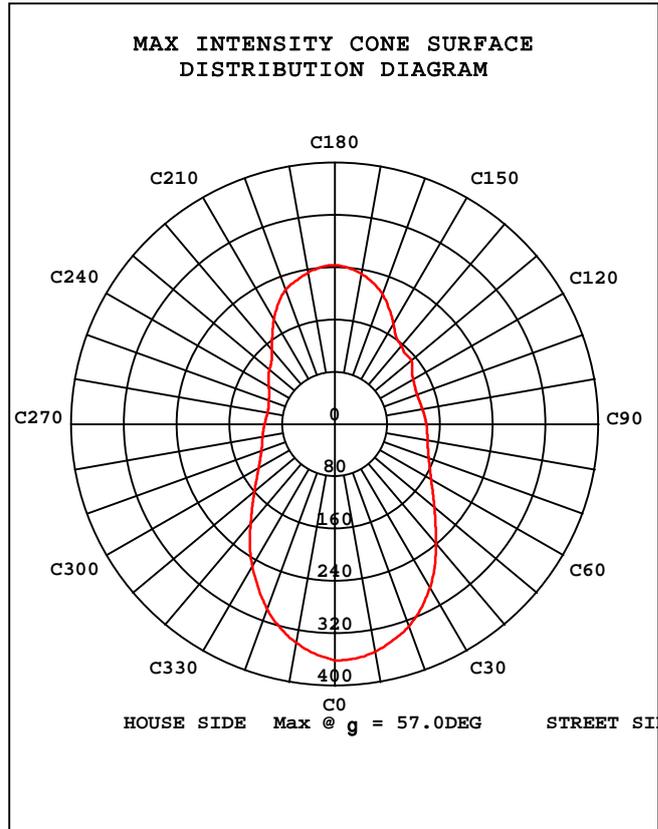
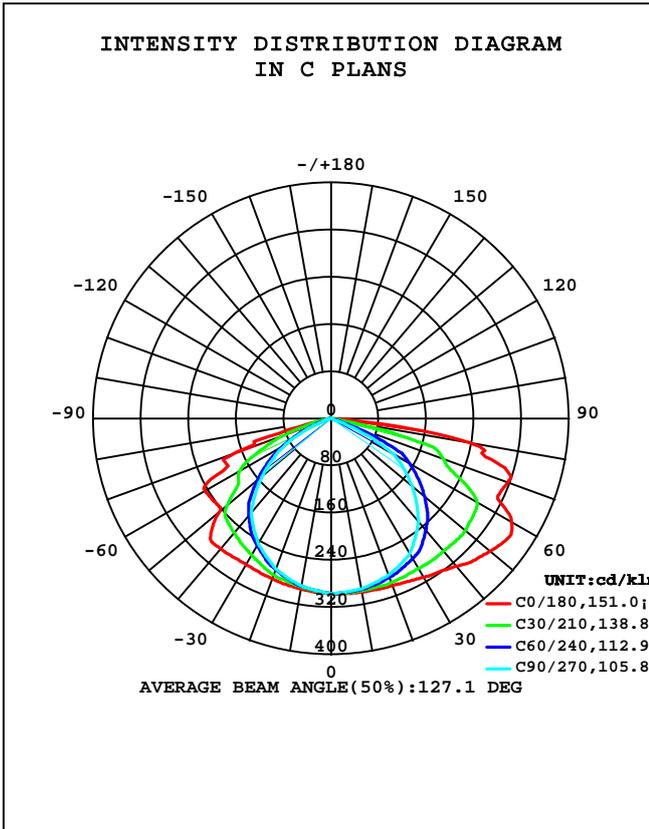


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.44 lm/W			
Street Light 30W, 5700k, ULTRA 2		Imax(cd/klm)	361.2	h street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	98.1	h street_down(%)	51.0
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	981.4	h house_up(%)	0.0
NOMINAL FLUX(lm)	4040.43	MAXIMUM @(C,g )	0,57.0	h house_down(%)	47.2
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	221.7	h down(%)	98.1	SLI	



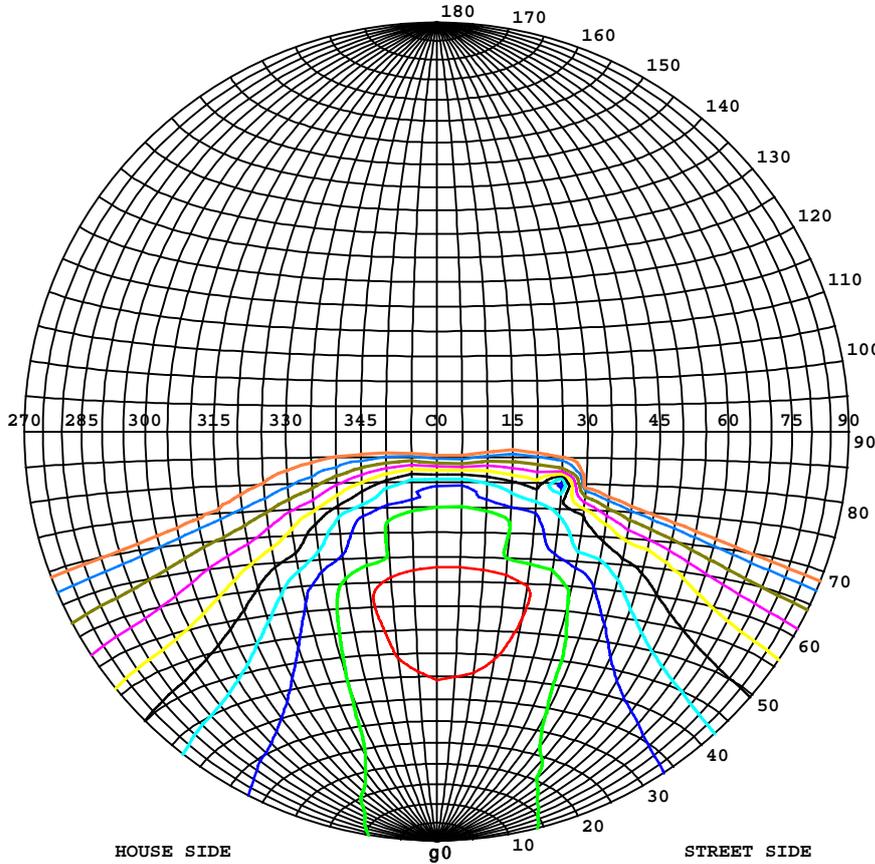
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

Note: SLI:Specific Luminaire Index  
 C:\Users\LAB\Desktop\LED\STREET\ULTRA 2\Street Light 30W, 5700k, ULTRA 2.GOS

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



**Classification:**

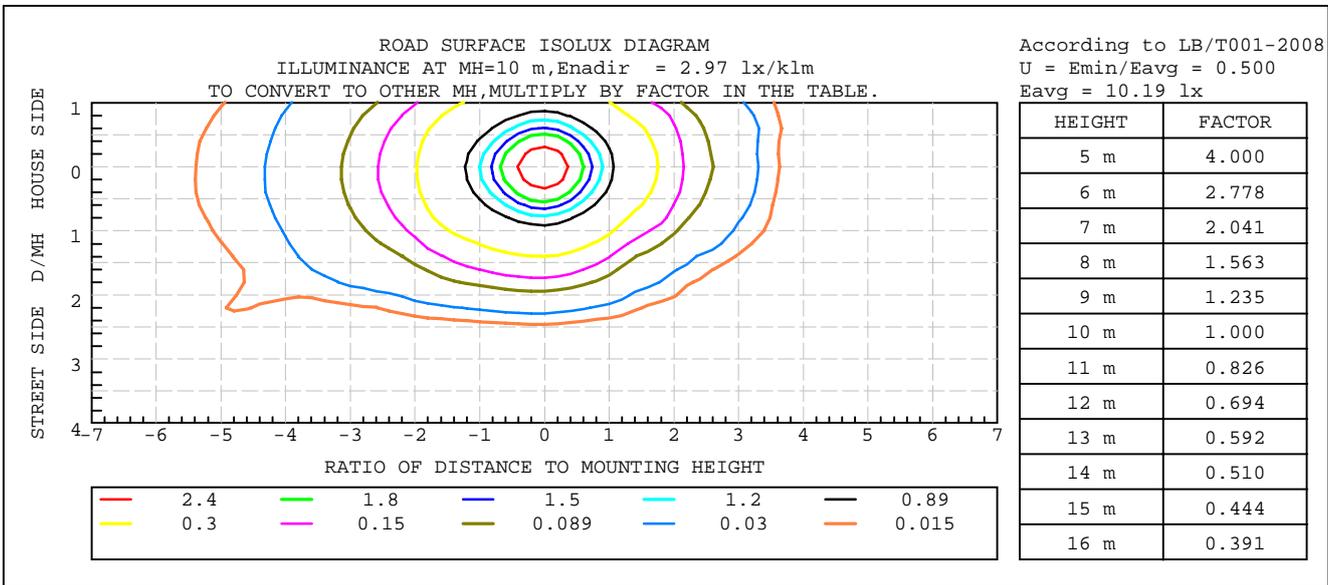
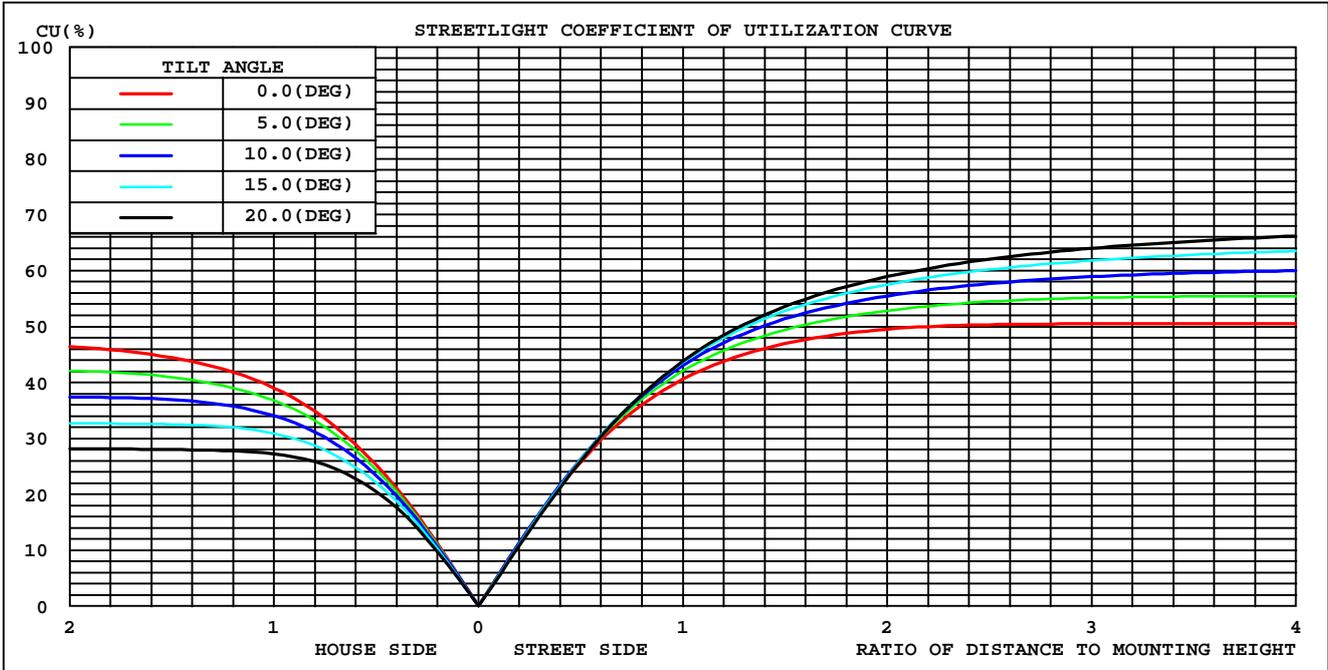
IES:Type II - Short  
 CIE:Narrow - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:252.9cd/klm  
 Max.At90:1.916cd/klm  
 Max.80-90:252.9cd/klm  
 NRB 5101:Semi limited[28.1%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
I <sub>max</sub> =100%	361
90%	325
80%	289
70%	253
60%	217
50%	181
40%	144
30%	108
20%	72
10%	36
5%	18

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

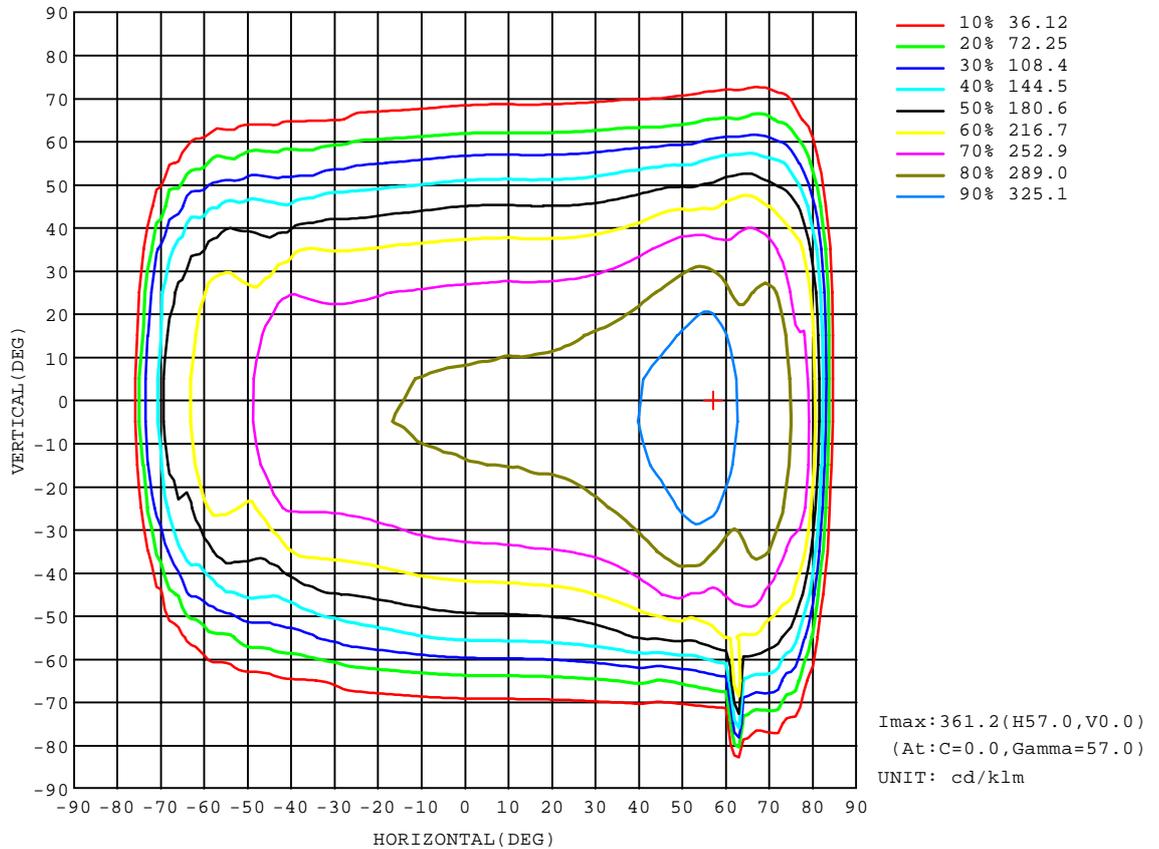
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	\$lum,lamp
5	298.1	296.4	295.2	294.7	295.8	293.2	292.8	294.9	0- 5	7.070	7.070	0.72,0.71
10	299.1	295.3	293.4	292.4	293.7	289.2	288.6	292.7	5- 10	21.02	28.09	2.86,2.81
15	300.3	294.0	288.1	290.2	291.8	284.0	280.3	290.3	10- 15	34.54	62.63	6.38,6.26
20	301.7	291.1	282.9	283.1	289.6	276.5	272.0	283.8	15- 20	47.33	110.0	11.2,11
25	305.0	288.4	274.1	276.0	287.4	269.2	258.6	277.7	20- 25	59.17	169.1	17.2,16.9
30	311.1	283.1	265.3	267.3	286.0	257.7	245.1	269.1	25- 30	69.80	238.9	24.3,23.9
35	317.5	277.2	247.1	256.8	286.6	245.0	227.3	258.9	30- 35	79.09	318.0	32.4,31.8
40	327.2	270.9	228.9	244.9	289.0	231.7	209.6	247.5	35- 40	86.62	404.6	41.2,40.5
45	340.4	258.3	203.5	225.1	288.2	214.2	180.5	232.1	40- 45	92.21	496.9	50.6,49.7
50	349.9	246.1	178.0	204.5	243.7	196.5	151.4	216.0	45- 50	94.06	590.9	60.2,59.1
55	359.5	225.1	150.3	169.1	242.4	154.8	119.8	189.0	50- 55	91.66	682.6	69.5,68.3
60	350.6	202.3	122.6	122.8	245.3	112.2	88.23	159.8	55- 60	87.75	770.3	78.5,77
65	310.1	173.1	61.62	86.40	191.4	79.94	49.73	123.8	60- 65	77.71	848.0	86.4,84.8
70	316.4	109.9	0.6139	47.42	170.5	44.59	11.24	77.24	65- 70	59.70	907.7	92.5,90.8
75	288.6	11.61	0.6125	5.207	73.51	11.35	8.797	23.77	70- 75	40.75	948.5	96.6,94.8
80	237.3	0.6167	0.6111	0.6351	3.214	5.824	6.354	11.80	75- 80	22.38	970.9	98.9,97.1
85	22.87	0.2511	0	0.2632	1.354	1.787	0	3.067	80- 85	9.884	980.8	99.9,98.1
90	1.916	0	0	0	1.429	0	0	0	85- 90	0.6802	981.4	100,98.1
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

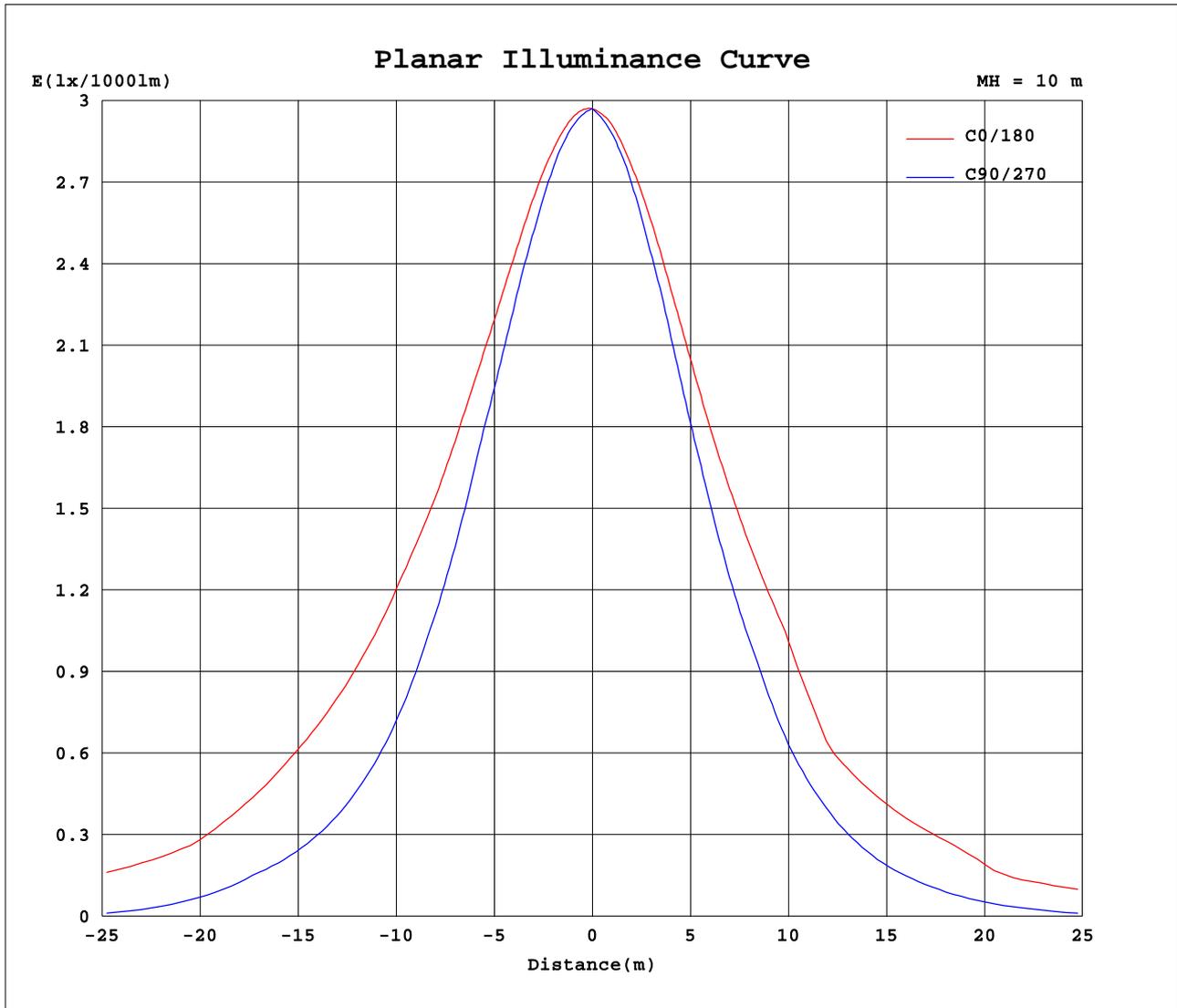
Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C( DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297
5	298	298	298	298	297	297	297	297	297	296	296	296	296	296	296	296	296	295	295
10	299	299	298	298	297	297	297	296	296	295	295	295	295	294	294	294	294	294	293
15	300	300	299	298	298	297	296	295	295	294	293	292	291	290	290	289	289	288	288
20	302	301	300	299	299	298	297	295	293	291	289	288	287	286	285	284	284	283	283
25	305	304	303	301	300	298	295	292	290	288	287	284	281	280	278	276	275	275	274
30	311	310	308	305	302	298	294	290	287	283	280	277	275	271	270	268	267	266	265
35	318	316	313	310	305	300	294	289	282	277	273	270	265	260	255	252	250	248	247
40	327	326	323	318	311	303	294	286	279	271	262	254	248	243	238	235	232	230	229
45	340	338	335	327	318	307	295	284	271	258	248	239	230	222	216	210	207	205	203
50	350	348	344	334	323	310	295	278	261	246	230	216	205	196	190	185	181	179	178
55	359	358	351	341	327	311	291	270	247	225	207	192	180	170	163	157	154	152	150
60	351	351	347	335	322	304	284	254	227	202	182	166	153	143	135	130	126	124	123
65	310	311	303	288	279	266	237	223	192	173	154	135	111	94.1	81.5	72.6	66.7	63.3	61.6
70	316	317	308	289	266	237	201	173	137	110	81.3	56.4	38.3	25.1	15.5	8.70	4.13	1.48	0.61
75	289	292	277	255	238	204	151	83.8	39.7	11.6	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61
80	237	238	212	186	156	253	0.64	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
85	22.9	21.7	42.0	46.9	39.1	19.2	0.61	0.45	0.34	0.25	0.19	0.13	0.09	0.06	0.04	0.02	0.01	0.00	0.00
90	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd/klm

C( DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297
5	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	296	296	295
10	293	293	293	292	292	293	292	292	292	293	293	293	293	293	293	293	293	294	293
15	288	287	288	288	288	288	289	289	290	291	290	290	290	290	290	291	291	292	291
20	282	282	282	282	282	283	283	283	283	284	285	286	286	287	287	288	289	290	288
25	274	274	274	274	275	275	275	276	276	277	278	280	282	283	284	285	286	287	285
30	265	265	265	265	265	264	265	266	267	270	272	274	276	280	282	283	285	286	284
35	246	247	247	248	249	251	254	255	257	260	264	268	272	276	281	283	285	287	284
40	228	228	227	228	228	230	234	238	245	250	255	261	267	273	279	284	286	289	286
45	202	202	202	203	205	208	213	218	225	234	245	252	261	270	277	283	285	288	284
50	177	176	175	176	177	180	186	194	204	215	224	236	237	239	241	241	242	244	242
55	149	147	146	146	147	151	157	165	169	178	181	190	200	213	225	233	239	242	240
60	120	118	116	114	115	117	118	124	123	135	148	168	188	210	224	235	242	245	243
65	61.1	61.6	63.6	66.9	71.7	76.8	73.3	79.3	86.4	98.1	121	134	160	169	176	184	189	191	191
70	1.45	3.85	7.63	12.7	18.9	25.3	29.4	37.8	47.4	46.9	64.3	74.9	108	125	142	153	160	170	162
75	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.63	5.21	12.8	21.5	22.6	31.1	48.1	59.2	54.0	65.8	73.5	68.0
80	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.63	3.21	2.56	3.00	2.96	3.04	3.21	3.81
85	0.00	0.01	0.02	0.04	0.06	0.10	0.14	0.19	0.26	0.36	0.49	0.68	0.69	0.68	0.65	1.08	1.34	1.35	1.98
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd/klm

C( DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297
5	295	295	294	294	294	294	293	293	293	293	293	293	293	293	293	293	293	293	293
10	292	292	291	291	290	290	289	289	289	289	289	289	289	289	289	289	289	289	289
15	290	289	288	287	286	286	285	284	283	282	282	281	281	280	280	280	280	281	281
20	287	286	285	284	283	280	278	276	275	274	273	272	272	272	272	272	272	273	274
25	284	282	280	278	275	273	271	269	267	265	262	261	259	259	258	258	259	259	261
30	281	279	276	272	268	264	261	258	255	252	249	247	246	245	245	245	245	246	247
35	281	278	272	266	261	255	250	245	241	238	235	231	229	228	227	227	227	228	230
40	283	277	270	263	254	245	238	232	225	219	216	213	210	209	209	209	210	211	212
45	283	275	268	257	247	237	225	214	206	200	194	188	184	181	180	180	180	182	184
50	240	238	239	230	228	217	208	196	182	170	162	156	153	150	149	150	151	153	155
55	235	228	220	207	190	176	171	155	147	138	130	124	120	118	117	118	120	122	124
60	238	230	220	199	177	152	130	112	104	99.4	94.8	90.8	87.4	85.2	84.8	86.1	88.2	90.4	93.0
65	189	191	184	171	136	122	94.2	79.9	67.4	59.1	56.1	56.7	52.8	49.9	48.5	48.6	49.7	51.4	53.7
70	166	157	145	123	86.4	68.5	48.5	44.6	36.5	29.6	24.4	21.8	17.4	14.2	12.1	11.1	11.2	12.2	13.7
75	81.7	79.1	64.6	43.5	35.9	26.8	18.9	11.3	8.55	8.32	8.31	7.98	7.69	7.71	7.94	8.39	8.80	9.14	9.23
80	7.02	9.86	6.37	8.77	5.42	5.32	5.70	5.82	5.70	5.48	5.59	5.37	5.28	5.40	5.73	6.22	6.35	6.59	6.84
85	2.48	2.79	3.20	3.44	3.46	2.70	2.19	1.79	1.33	0.98	0.75	0.50	0.32	0.18	0.09	0.02	0.00	0.02	0.10
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.7V I:0.1480A P:30.40W PF:0.9250 Lamp Flux:4040.43x1 lm		
NAME: Street Light 30W, 5700k, ULTRA 2	TYPE:30W	WEIGHT:1.9
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd/klm

C( DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297				
5	293	294	294	294	294	295	295	295	296	296	296	297	297	297	298				
10	290	290	290	291	291	292	293	294	294	295	296	296	297	298	298				
15	282	283	284	286	287	289	290	292	292	293	294	295	297	298	299				
20	275	276	278	279	280	282	284	286	289	292	294	295	297	299	300				
25	262	265	267	269	272	275	278	281	284	288	292	296	298	300	303				
30	249	252	253	256	260	264	269	275	280	285	291	297	302	305	308				
35	232	235	238	242	248	253	259	266	274	283	290	297	305	310	314				
40	215	216	220	225	231	238	247	257	267	278	289	299	309	318	323				
45	188	191	197	205	213	221	232	245	259	272	287	301	314	327	334				
50	158	162	168	176	186	199	216	230	247	266	284	302	318	333	342				
55	127	131	138	146	157	171	189	210	234	256	280	302	322	339	351				
60	95.8	100	107	115	127	141	160	183	210	241	266	294	315	330	342				
65	57.0	62.2	69.8	80.2	93.9	109	124	145	172	195	231	257	278	290	303				
70	16.4	20.6	26.9	35.5	46.7	61.9	77.2	96.7	123	154	198	236	270	291	307				
75	9.18	9.32	9.97	11.0	12.3	14.4	17.8	22.2	27.7	34.5	43.1	54.1	67.2	82.1	98.6				
80	6.83	6.83	7.14	7.80	8.67	9.81	11.8	14.5	18.5	23.7	30.4	39.1	49.9	63.1	78.6				
85	0.23	0.42	0.68	1.07	1.61	2.26	3.07	4.08	5.23	6.71	8.54	10.8	13.6	17.0	21.1				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

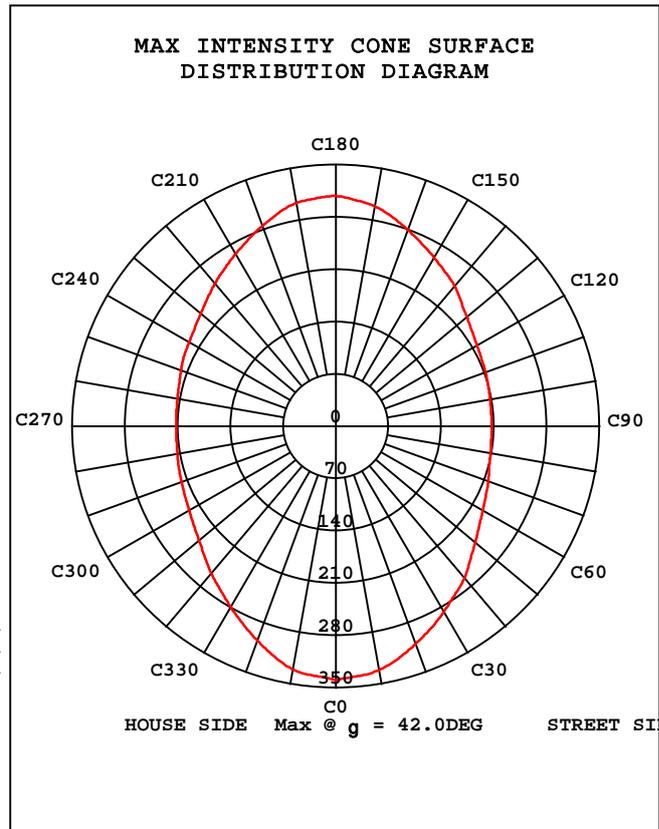
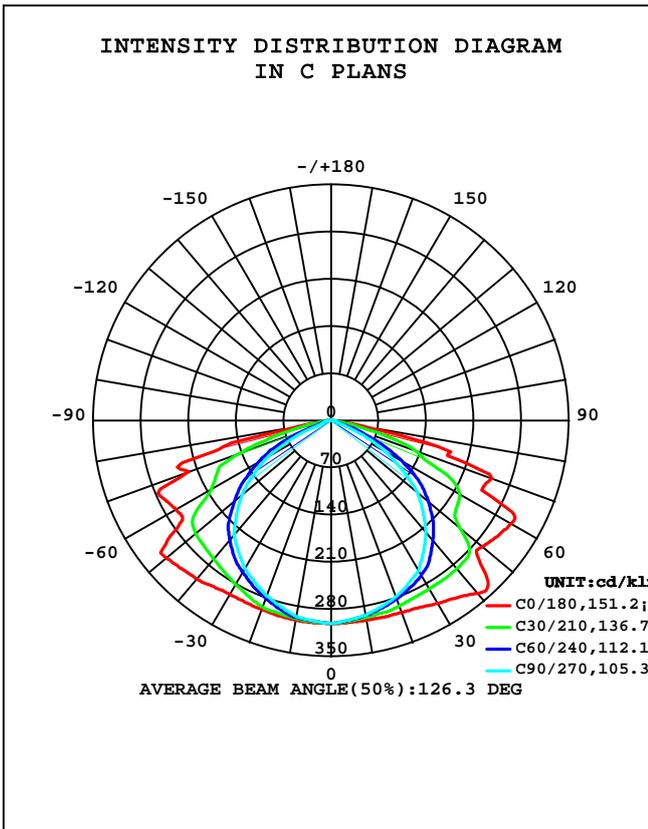
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.5V I:0.2230A P:47.20W PF:0.9560 Lamp Flux:5955.48x1 lm		
NAME: Street Light 45W, 5700k, ULTRA 2	TYPE:45W	WEIGHT:2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.53 lm/W			
Street Light 45W, 5700k, ULTRA 2		Imax(cd/klm)	340.0	h street_up(%)	0.0
NOMINAL POWER(W)	45	LOR(%)	97.1	h street_down(%)	47.8
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	971.1	h house_up(%)	0.0
NOMINAL FLUX(lm)	5955.48	MAXIMUM @(C,g )	0,42.0	h house_down(%)	49.3
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	221.6	h down(%)	97.1	SLI	



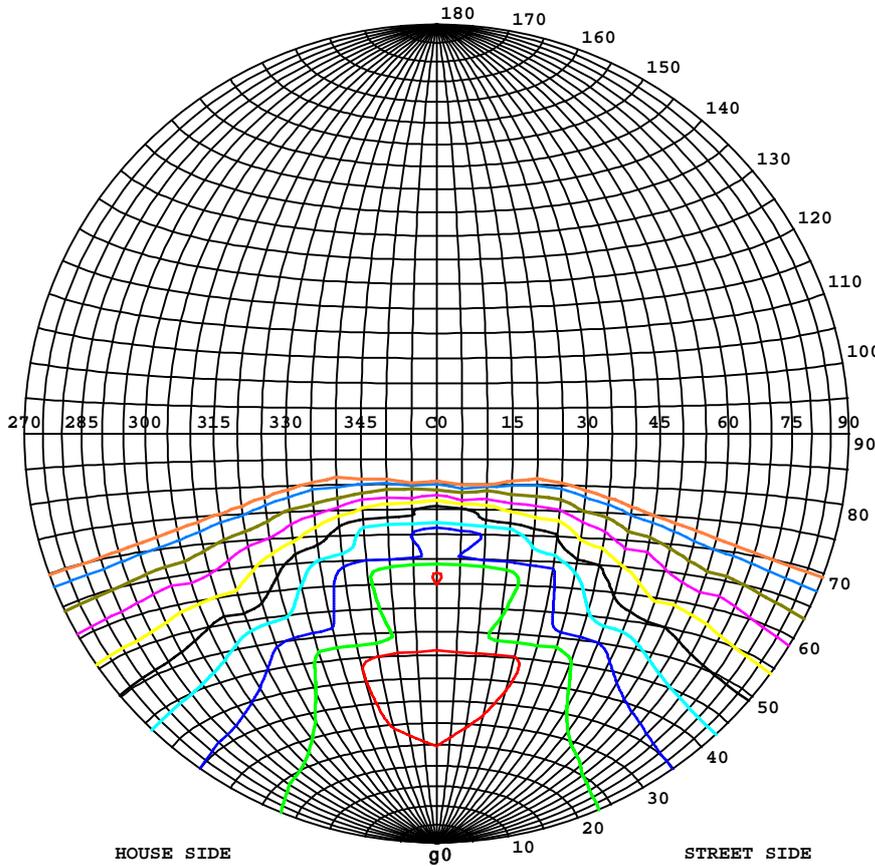
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

Note: SLI:Specific Luminaire Index  
 C:\Users\LAB\Desktop\LED\STREET\ULTRA 2\Street Light 45W, 5700k, ULTRA 2.GOS

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:221.5V I:0.2230A P:47.20W PF:0.9560 Lamp Flux:5955.48x1 lm		
NAME: Street Light 45W, 5700k, ULTRA 2	TYPE:45W	WEIGHT:2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



Classification:

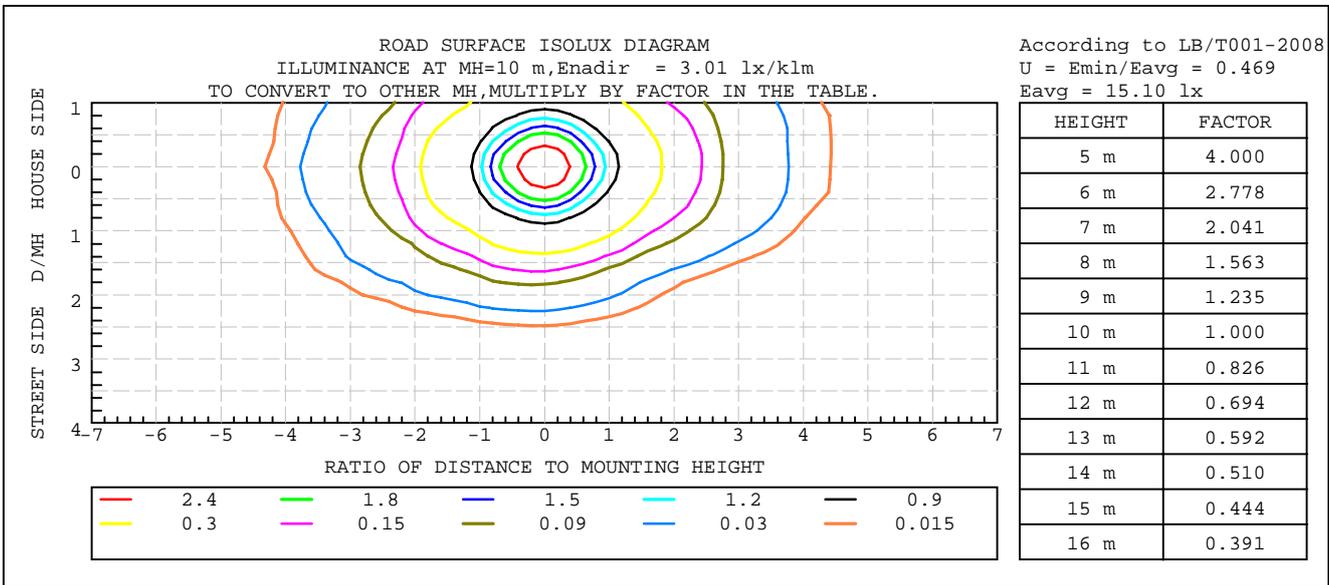
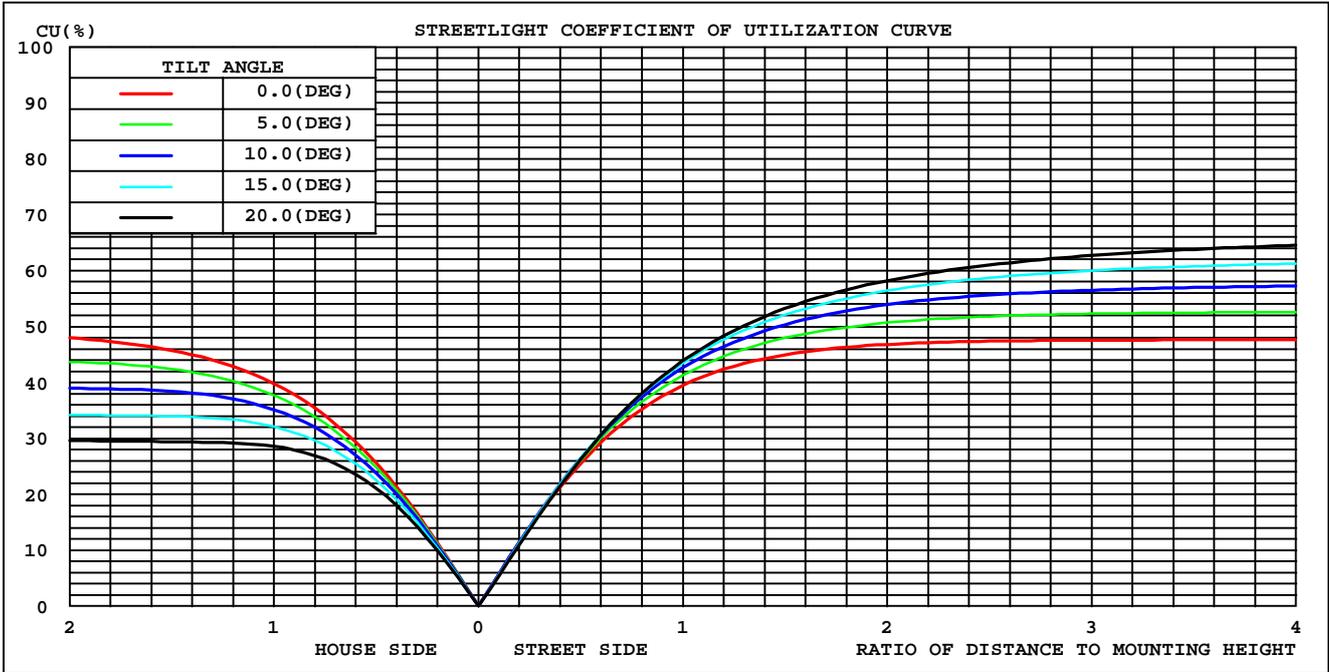
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:51.49cd/klm  
 Max.At90:0.9847cd/klm  
 Max.80-90:51.49cd/klm  
 NRB 5101:Semi limited[17.3%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
I <sub>max</sub> =100%	340
90%	306
80%	272
70%	238
60%	204
50%	170
40%	136
30%	102
20%	68
10%	34
5%	17

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:221.5V I:0.2230A P:47.20W PF:0.9560 Lamp Flux:5955.48x1 lm		
NAME: Street Light 45W, 5700k, ULTRA 2	TYPE:45W	WEIGHT:2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

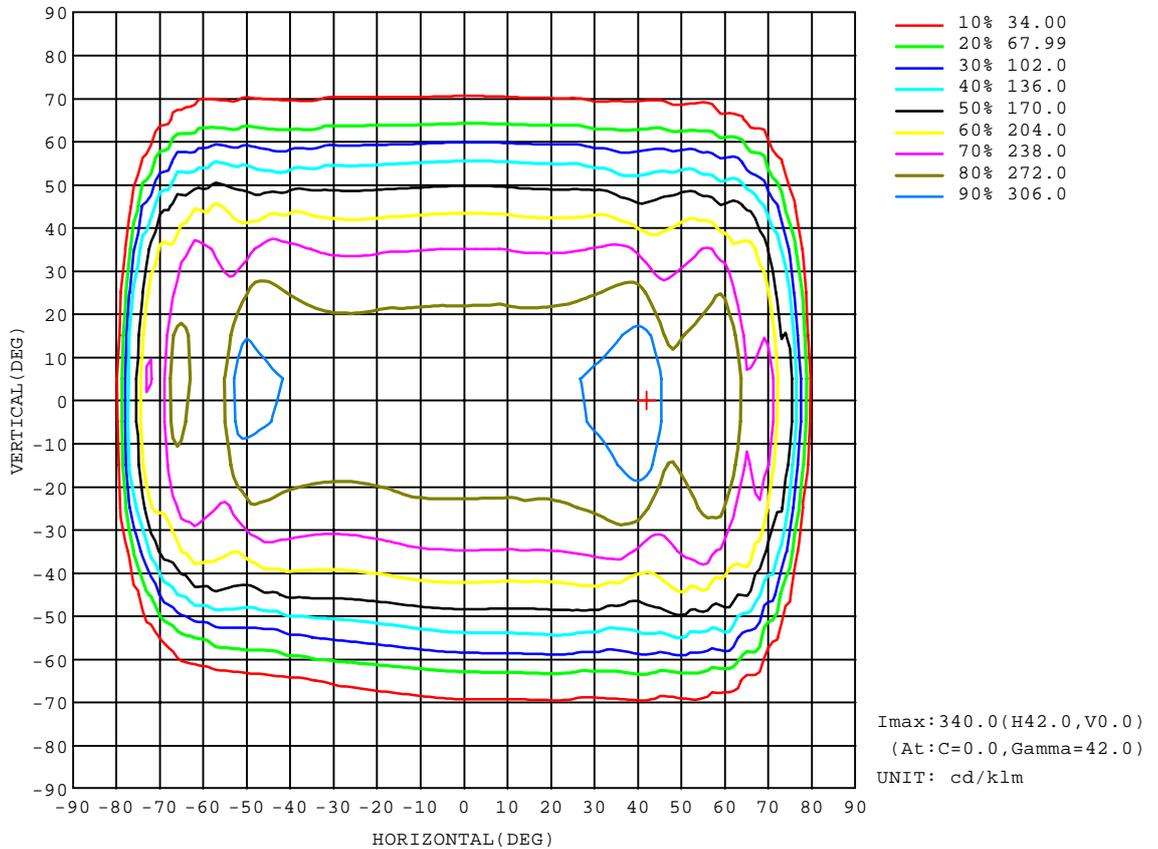
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	\$lum,lamp
5	300.7	298.1	297.2	298.4	301.2	299.2	298.3	299.2	0- 5	7.165	7.165	0.74,0.72
10	301.0	294.9	293.2	296.3	300.9	297.5	295.4	297.5	5- 10	21.30	28.47	2.93,2.85
15	301.8	291.7	286.0	293.7	299.9	294.1	286.2	294.8	10- 15	34.99	63.46	6.53,6.35
20	303.1	287.5	278.8	286.2	298.6	286.5	277.0	287.3	15- 20	47.87	111.3	11.5,11.1
25	306.4	281.3	268.2	277.7	297.8	279.2	265.4	279.8	20- 25	59.76	171.1	17.6,17.1
30	313.4	274.7	257.5	267.8	298.1	269.4	253.8	271.5	25- 30	70.51	241.6	24.9,24.2
35	321.4	267.3	237.5	256.4	301.4	258.4	238.1	262.1	30- 35	80.01	321.6	33.1,32.2
40	334.7	258.9	217.6	243.7	307.4	247.5	222.3	252.3	35- 40	87.87	409.5	42.2,40.9
45	321.7	243.6	191.7	223.5	311.2	233.2	196.9	238.4	40- 45	93.59	503.1	51.8,50.3
50	290.9	227.3	165.8	202.6	317.0	219.2	171.4	223.3	45- 50	94.27	597.3	61.5,59.7
55	299.3	185.0	129.3	175.0	275.9	193.7	139.4	183.6	50- 55	91.88	689.2	71.6,68.9
60	306.4	147.3	92.76	138.6	264.2	164.0	107.3	140.3	55- 60	84.71	773.9	79.7,77.4
65	244.8	121.6	52.49	80.74	273.1	112.6	61.05	111.1	60- 65	75.44	849.4	87.5,84.9
70	251.8	78.40	12.22	36.05	222.9	68.00	14.77	71.75	65- 70	59.34	908.7	93.6,90.9
75	182.6	16.51	10.12	13.06	177.6	21.41	11.76	18.66	70- 75	39.72	948.4	97.7,94.8
80	32.24	6.067	8.028	7.385	32.05	11.74	8.757	8.824	75- 80	18.74	967.2	99.6,96.7
85	2.295	1.522	0	2.241	4.678	3.646	0	2.612	80- 85	3.555	970.7	100,97.1
90	0.9847	0	0	0	0.9530	0	0	0	85- 90	0.4298	971.1	100,97.1
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

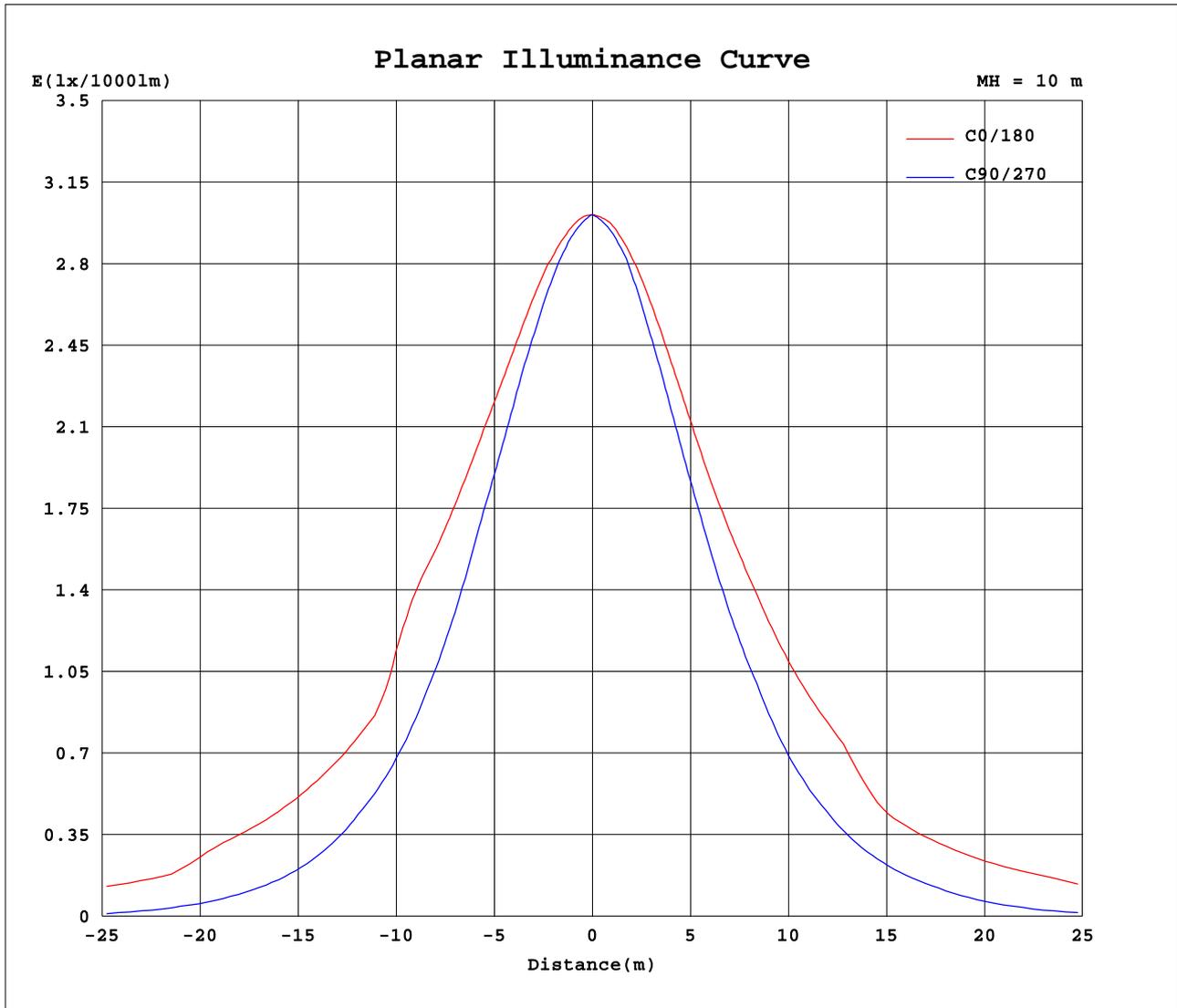
Test:U:221.5V I:0.2230A P:47.20W PF:0.9560 Lamp Flux:5955.48x1 lm		
NAME: Street Light 45W, 5700k, ULTRA 2	TYPE:45W	WEIGHT:2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.5V I:0.2230A P:47.20W PF:0.9560 Lamp Flux:5955.48x1 lm		
NAME: Street Light 45W, 5700k, ULTRA 2	TYPE:45W	WEIGHT:2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C( DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301
5	301	300	300	300	299	299	299	299	298	298	298	298	298	297	297	297	297	297	297
10	301	300	300	299	298	297	297	296	295	295	294	294	294	293	293	293	293	293	293
15	302	301	300	299	298	297	295	294	293	292	291	289	288	287	287	286	286	286	286
20	303	301	300	298	296	295	293	291	289	288	285	283	282	281	280	279	279	279	279
25	306	304	302	299	297	294	290	287	284	281	280	278	274	272	271	269	269	268	268
30	313	311	307	304	299	294	289	284	279	275	271	268	265	262	260	259	258	258	258
35	321	319	315	310	303	295	288	281	274	267	262	258	253	248	244	241	239	238	238
40	335	332	328	319	308	298	287	277	268	259	249	240	233	228	224	220	219	218	218
45	322	314	313	311	307	295	285	274	258	244	232	222	213	205	200	195	193	192	192
50	291	284	276	269	259	253	248	243	238	227	210	197	187	178	173	168	166	166	166
55	299	291	283	275	262	246	226	207	190	185	174	170	159	150	142	136	133	130	129
60	306	298	291	280	266	243	219	191	167	147	131	129	121	118	110	103	98.5	95.2	92.8
65	245	242	235	229	227	222	181	169	137	122	105	89.9	76.6	75.5	68.0	61.0	56.4	53.9	52.5
70	252	244	236	220	191	171	133	116	85.6	78.4	58.9	43.7	33.1	27.4	21.1	16.2	13.3	12.3	12.2
75	183	173	155	128	115	105	69.2	56.1	31.2	16.5	9.69	9.35	9.40	8.88	8.38	8.36	8.85	9.79	10.1
80	32.2	14.8	12.0	30.6	31.6	23.0	8.70	7.51	6.73	6.07	5.93	5.94	6.02	5.74	5.63	5.92	6.67	7.88	8.03
85	2.29	2.00	2.22	2.20	2.04	2.21	2.46	2.20	1.80	1.52	1.25	1.03	0.78	0.53	0.34	0.20	0.10	0.03	0.00
90	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.5V I:0.2230A P:47.20W PF:0.9560 Lamp Flux:5955.48x1 lm		
NAME: Street Light 45W, 5700k, ULTRA 2	TYPE:45W	WEIGHT:2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd/klm

C( DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301
5	301	301	300	300	300	300	299	299	299	299	299	298	298	298	298	298	298	298	298
10	300	300	299	299	298	298	298	297	297	297	297	296	296	296	296	295	295	296	296
15	299	298	297	297	296	296	296	294	292	291	290	289	288	287	287	286	286	287	287
20	297	297	296	296	295	292	289	287	285	283	281	280	279	278	278	277	277	278	278
25	296	295	294	292	288	285	282	279	276	274	271	270	268	267	266	266	265	266	266
30	295	294	291	286	281	277	273	269	266	263	260	258	257	255	255	254	254	254	255
35	298	296	288	281	275	269	263	258	255	252	248	245	242	240	239	238	238	238	239
40	303	296	287	277	269	261	254	248	241	236	232	229	226	224	223	223	222	223	223
45	307	296	285	275	264	254	243	233	226	220	213	208	203	200	198	197	197	197	198
50	311	298	286	274	261	245	231	219	205	194	186	180	176	173	172	171	171	172	172
55	273	267	263	264	247	235	212	194	178	167	157	150	145	142	140	139	139	140	141
60	261	249	237	220	203	193	168	164	143	134	124	117	112	108	107	107	107	108	109
65	267	256	237	213	186	157	128	113	96.4	96.7	85.8	76.9	70.3	65.2	62.1	61.0	61.1	61.8	63.3
70	221	222	214	178	144	114	88.3	68.0	53.6	47.0	39.1	31.4	25.1	19.9	16.5	15.0	14.8	15.1	16.2
75	191	174	153	107	74.7	51.0	36.8	21.4	15.6	14.5	13.6	13.0	12.3	11.6	11.5	11.7	11.8	11.5	11.0
80	51.5	44.7	41.6	30.3	16.6	14.1	12.8	11.7	11.2	10.6	10.1	9.49	8.83	8.59	8.81	9.02	8.76	8.53	8.33
85	6.95	7.49	7.42	8.24	7.77	5.87	4.58	3.65	2.76	2.02	1.40	0.91	0.54	0.29	0.13	0.03	0.00	0.03	0.13
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

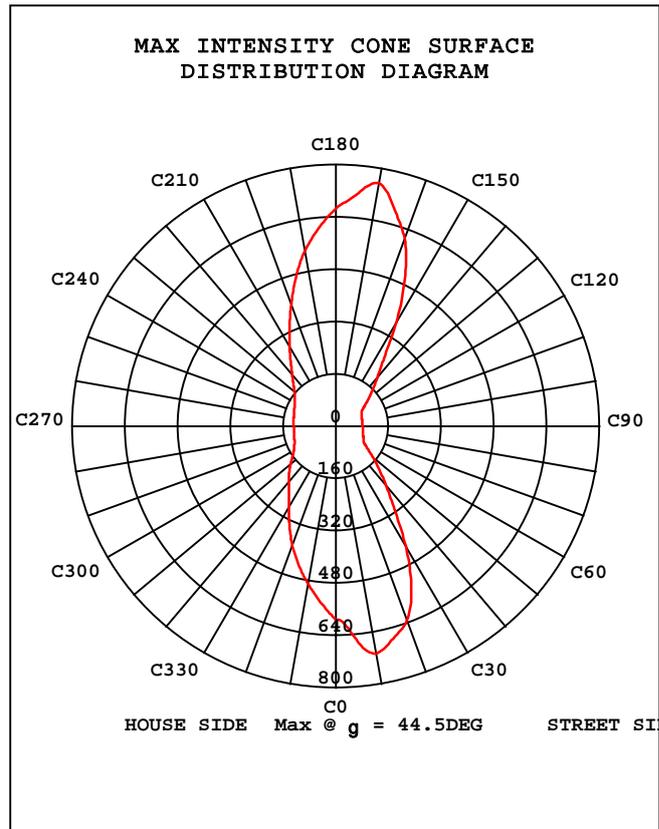
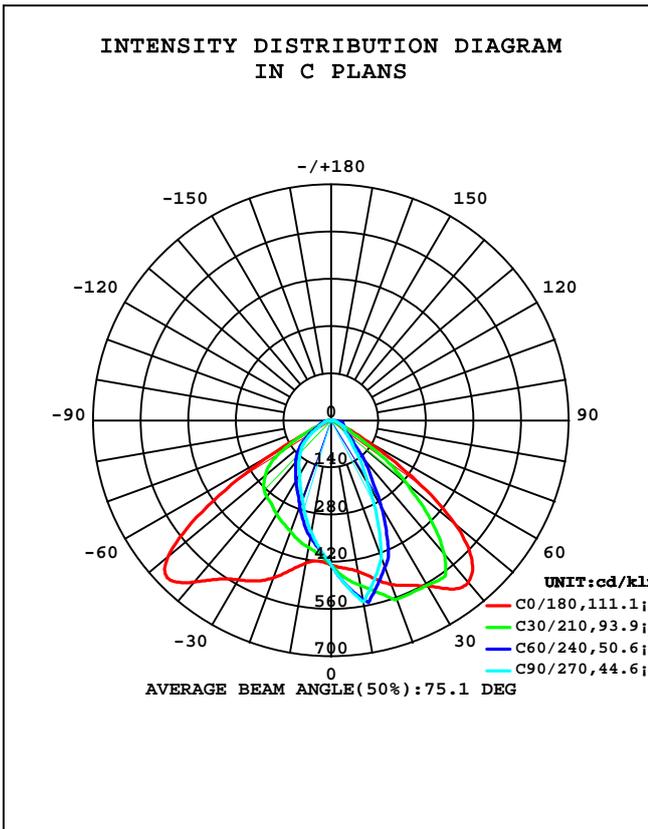
g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.30 lm/W			
Street Light 60W, 5700k, ULTRA 2		Imax(cd/klm)	755.5	h street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	98.6	h street_down(%)	53.6
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	985.5	h house_up(%)	0.0
NOMINAL FLUX(lm)	8183.06	MAXIMUM @(C,g )	170,44.5	h house_down(%)	45.0
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	221.6	h down(%)	98.6	SLI	



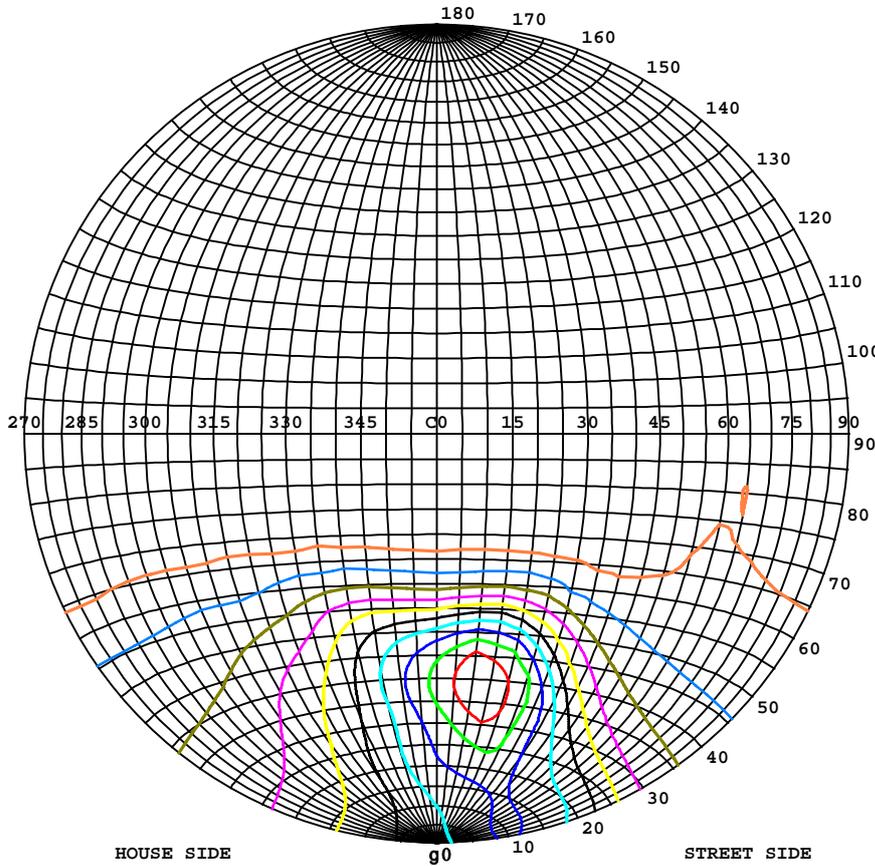
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

Note: SLI:Specific Luminaire Index  
 C:\Users\LAB\Desktop\LED\STREET\ULTRA 2\Street Light 60W, 5700k, ULTRA 2.GOS

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



Classification:

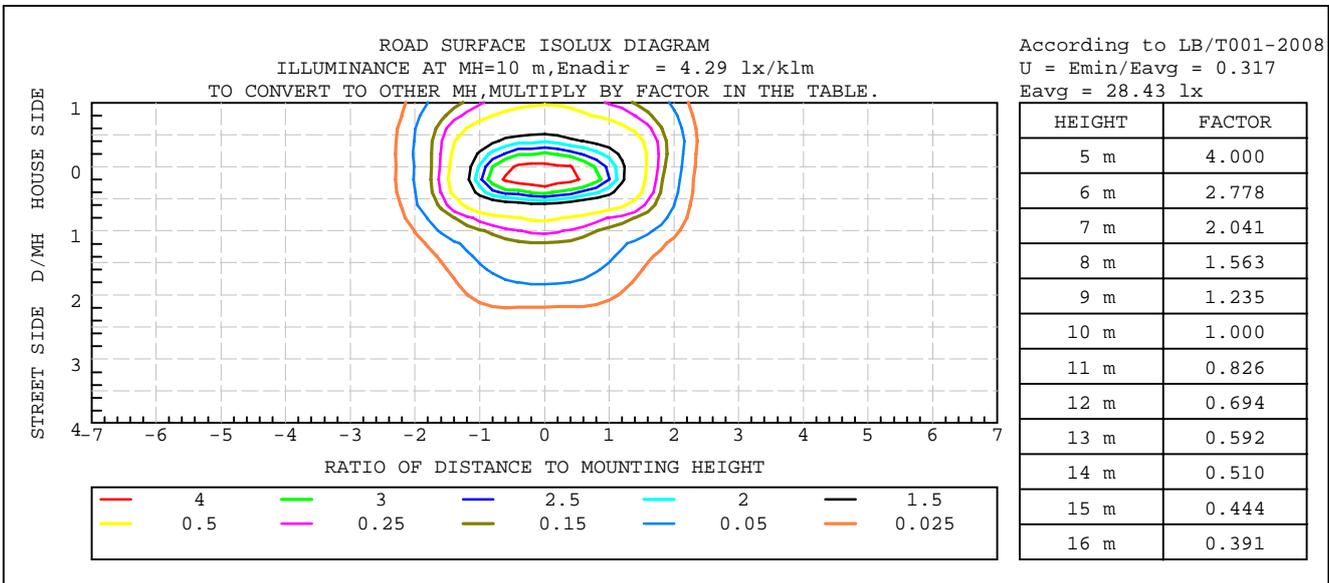
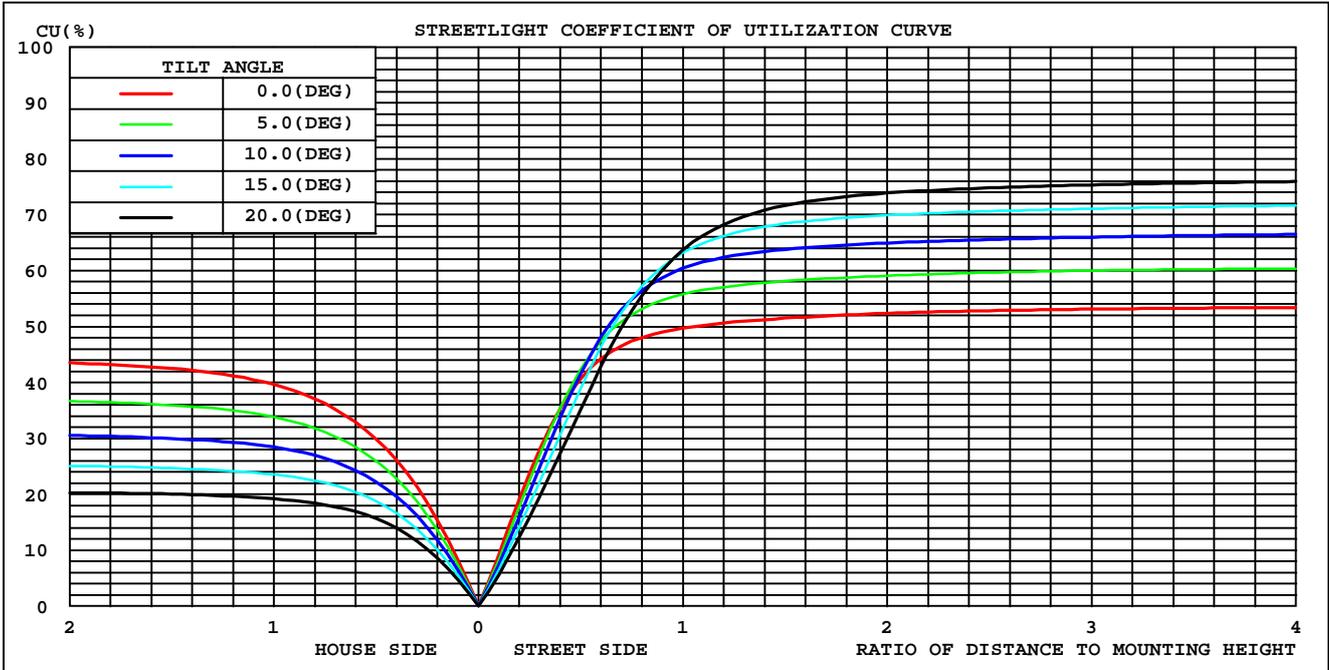
IES:Type I - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:38.60cd/klm  
 Max.At90:0.4670cd/klm  
 Max.80-90:38.75cd/klm  
 NRB 5101:Limited[2.3%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
I <sub>max</sub> =100%	756
90%	680
80%	604
70%	529
60%	453
50%	378
40%	302
30%	227
20%	151
10%	76
5%	38

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

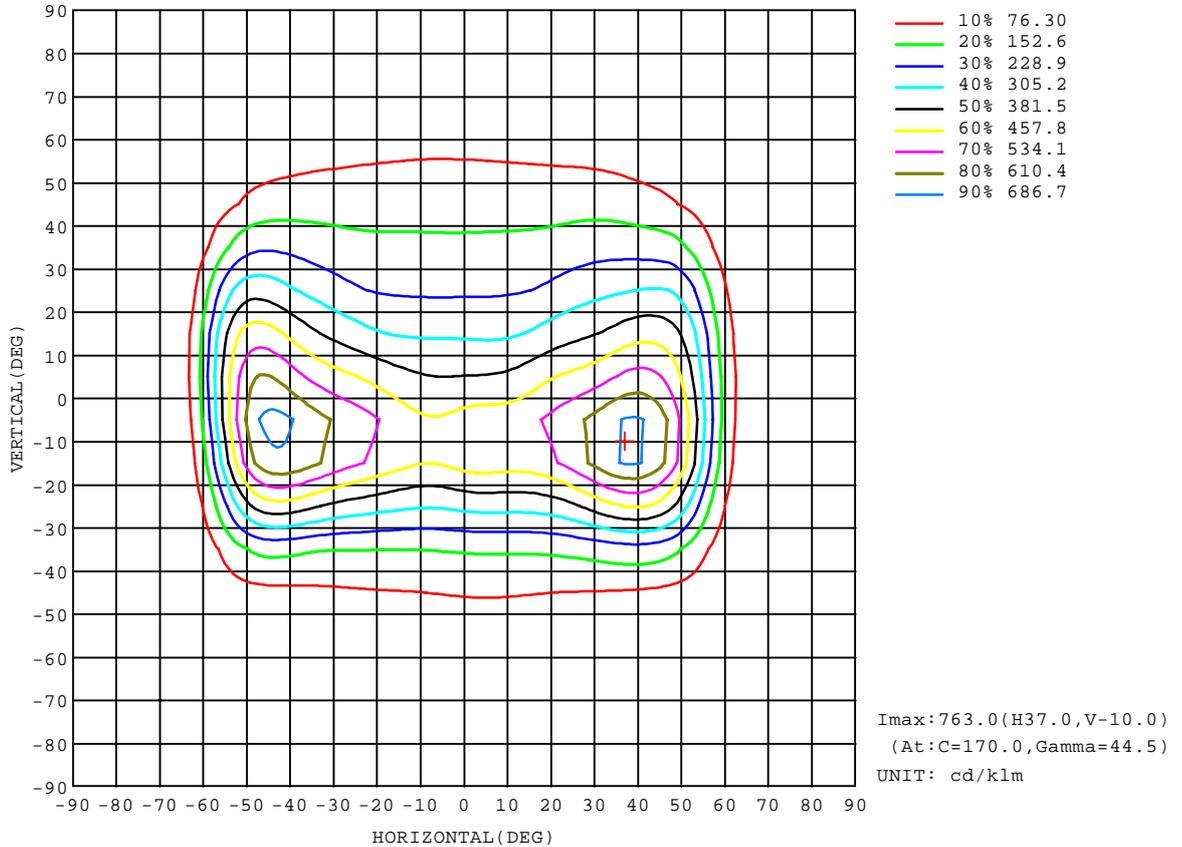
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	\$lum,lamp
5	440.0	478.6	487.8	457.8	419.3	392.8	383.4	400.2	0- 5	10.31	10.31	1.05,1.03
10	454.4	518.0	547.0	481.9	429.1	365.3	338.1	365.0	5- 10	31.11	41.43	4.2,4.14
15	484.8	534.0	491.0	502.2	459.4	336.3	293.4	334.1	10- 15	51.30	92.73	9.41,9.27
20	517.6	499.0	435.1	481.4	495.9	303.2	248.7	313.2	15- 20	69.11	161.8	16.4,16.2
25	539.6	466.6	326.2	458.8	526.0	269.1	216.9	289.0	20- 25	84.16	246.0	25,24.6
30	567.0	410.8	217.3	400.7	545.5	242.4	185.0	269.8	25- 30	94.84	340.8	34.6,34.1
35	610.1	332.6	160.7	310.0	575.0	222.4	165.6	252.0	30- 35	102.5	443.4	45,44.3
40	628.2	243.8	104.1	213.5	626.0	200.3	146.1	227.8	35- 40	108.4	551.8	56,55.2
45	586.9	179.1	79.35	151.6	669.7	181.0	126.8	198.2	40- 45	109.5	661.3	67.1,66.1
50	473.6	97.67	54.55	81.07	626.4	153.5	107.5	160.0	45- 50	103.3	764.6	77.6,76.5
55	289.1	69.79	51.60	60.45	444.5	118.4	77.54	114.5	50- 55	85.86	850.4	86.3,85
60	115.6	42.61	48.64	41.18	201.9	75.11	47.57	65.46	55- 60	58.03	908.5	92.2,90.8
65	44.88	35.30	35.77	35.57	52.75	48.60	35.61	44.89	60- 65	31.20	939.7	95.3,94
70	23.02	27.87	22.90	29.19	25.47	31.92	23.65	32.24	65- 70	18.35	958.0	97.2,95.8
75	13.40	19.18	18.09	21.83	15.08	24.43	19.22	23.94	70- 75	13.47	971.5	98.6,97.1
80	6.810	9.543	13.29	11.90	7.519	13.60	14.79	12.85	75- 80	9.385	980.9	99.5,98.1
85	1.522	1.776	0	2.501	1.594	2.910	0	2.542	80- 85	4.410	985.3	100,98.5
90	0.4670	0	0	0	0.4272	0	0	0	85- 90	0.2581	985.5	100,98.6
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

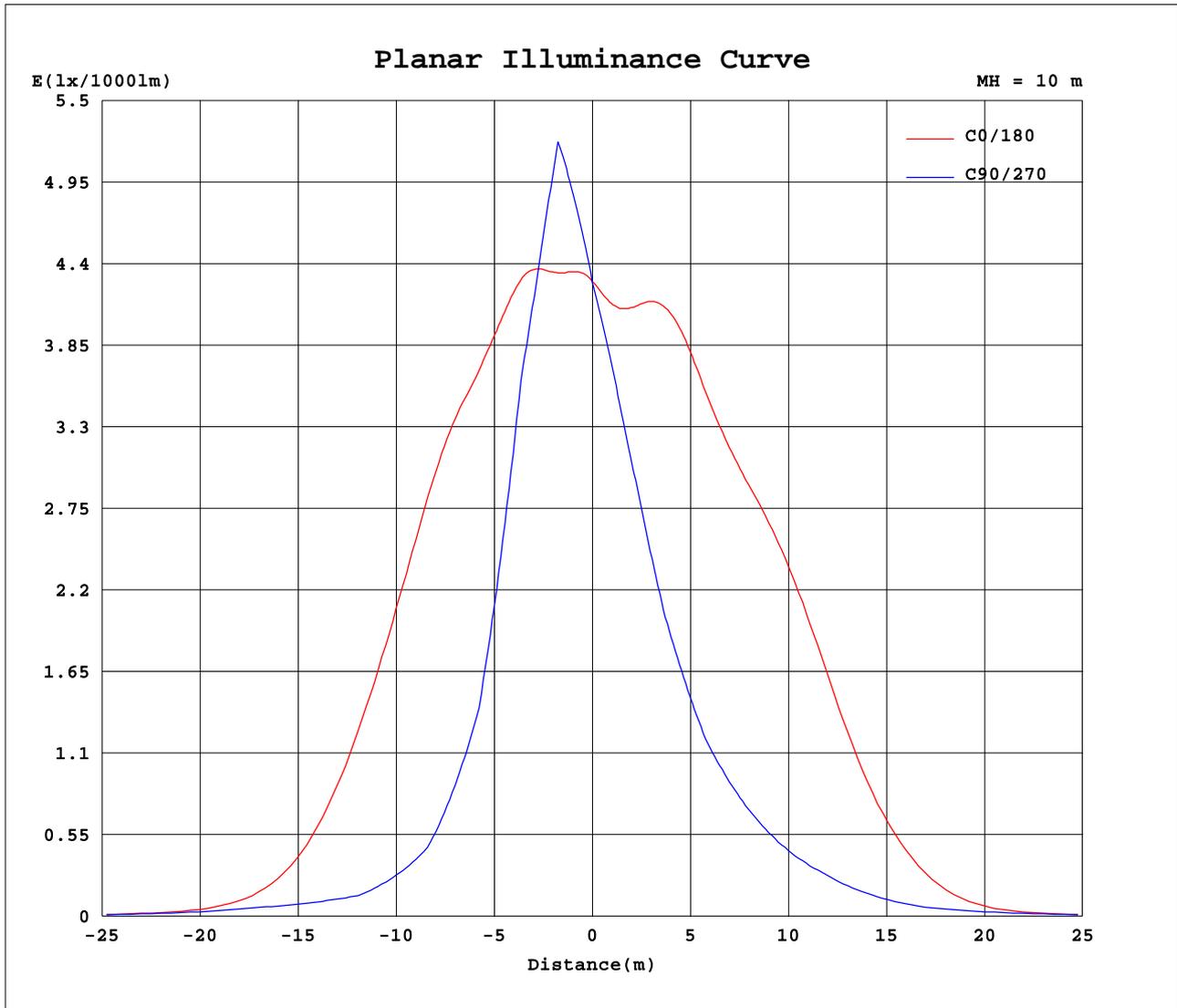
Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 24DEG  
 Operators: ROMAN  
 Test Date: 2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd/klm

C( DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429
5	440	445	450	454	459	463	467	472	475	479	482	484	486	488	489	490	490	489	488
10	454	462	469	476	483	490	497	504	511	518	525	532	538	544	548	550	551	550	547
15	485	493	501	508	515	521	527	534	540	534	526	519	514	510	507	504	500	496	491
20	518	531	542	552	560	566	564	539	518	499	484	473	464	458	453	449	445	440	435
25	540	564	586	605	619	602	564	527	494	467	445	419	395	375	360	348	339	331	326
30	567	606	641	672	665	615	566	516	467	411	365	328	298	274	255	240	229	221	217
35	610	660	707	743	688	630	571	486	403	333	277	233	211	194	183	174	168	163	161
40	628	682	737	732	680	626	519	410	314	244	204	174	152	135	124	115	109	106	104
45	587	638	699	663	626	531	414	299	232	179	139	109	95.9	90.5	86.6	83.8	81.8	80.4	79.3
50	474	516	552	534	487	391	289	214	148	97.7	86.7	78.2	71.7	66.3	62.3	59.3	57.1	55.5	54.6
55	289	319	339	347	299	240	175	104	81.6	69.8	59.7	51.9	50.9	51.3	51.7	52.0	52.2	52.1	51.6
60	116	125	134	141	126	108	68.0	60.8	50.2	42.6	43.3	44.8	46.1	47.7	48.6	49.0	49.1	49.2	48.6
65	44.9	47.2	47.6	47.9	48.4	41.7	40.3	34.5	34.6	35.3	36.6	39.5	41.7	43.3	42.8	40.7	38.3	36.8	35.8
70	23.0	25.5	28.2	28.4	28.0	27.1	26.5	26.5	26.8	27.9	31.1	36.9	39.5	38.9	36.4	31.8	27.1	24.3	22.9
75	13.4	14.4	15.6	17.2	17.2	17.4	17.5	16.5	16.5	19.2	24.7	31.1	37.4	37.6	29.5	24.0	21.0	19.0	18.1
80	6.81	6.81	7.41	8.18	8.33	8.29	7.72	7.41	7.99	9.54	12.8	20.1	32.9	38.6	22.8	16.0	14.7	13.7	13.3
85	1.52	1.69	1.96	2.01	2.18	2.15	1.85	1.86	1.81	1.78	2.19	3.45	4.70	4.06	1.43	0.55	0.22	0.05	0.00
90	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd/klm

C( DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429
5	413	409	406	403	400	398	395	393	391	389	387	386	385	384	384	383	383	384	385
10	414	406	398	390	383	377	371	365	360	356	353	350	347	344	342	340	338	337	337
15	429	413	397	383	369	357	346	336	328	320	313	308	303	300	297	295	293	293	293
20	446	421	396	372	351	333	317	303	291	280	271	264	258	254	251	249	249	249	251
25	461	428	394	363	336	311	288	269	253	243	236	229	224	221	218	217	217	218	220
30	471	432	393	357	321	288	260	242	228	217	208	201	195	190	187	185	185	187	190
35	486	440	394	349	305	272	245	222	204	191	183	177	173	169	167	166	166	167	169
40	516	456	396	340	296	259	226	200	184	172	164	158	154	151	148	147	146	147	149
45	549	473	398	334	281	237	206	181	163	151	143	138	134	131	129	127	127	127	128
50	537	466	388	314	253	211	178	154	137	126	119	114	112	110	109	108	108	107	106
55	431	398	332	265	213	171	140	118	105	96.7	91.8	87.9	85.0	82.5	80.4	78.6	77.5	77.2	77.5
60	241	241	211	174	139	112	86.9	75.1	72.4	67.4	62.8	59.2	55.8	53.0	50.6	48.6	47.6	47.4	48.2
65	75.4	79.7	81.0	71.7	64.5	47.8	49.9	48.6	44.5	39.9	40.1	41.3	40.8	39.8	38.0	36.3	35.6	35.5	36.2
70	30.1	31.8	32.4	32.3	31.6	32.4	31.3	31.9	32.5	32.5	32.8	32.9	32.2	30.1	27.0	24.3	23.6	24.0	25.8
75	17.8	20.8	21.4	21.9	22.5	22.7	23.5	24.4	24.7	24.8	25.3	25.1	24.1	22.4	20.7	19.5	19.2	19.3	20.1
80	9.46	11.4	12.1	13.1	13.5	13.8	13.7	13.6	14.8	16.1	17.3	17.6	16.1	14.8	14.5	14.7	14.8	14.6	14.5
85	2.87	3.30	4.30	4.49	4.90	4.46	3.42	2.91	2.99	2.81	2.32	1.67	0.97	0.50	0.22	0.06	0.00	0.06	0.22
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.6V I:0.2860A P:60.50W PF:0.9560 Lamp Flux:8183.06x1 lm		
NAME: Street Light 60W, 5700k, ULTRA 2	TYPE:60W	WEIGHT:3.2
DIM.:	SPEC.:5700K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd/klm

g (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	429	429	429	429	429	429	429	429	429	429	429	429	429	429	429				
5	386	387	389	391	394	397	400	404	408	412	416	421	426	430	435				
10	338	339	342	346	351	358	365	373	382	392	402	412	423	434	444				
15	295	298	302	307	314	323	334	347	363	380	397	415	433	451	468				
20	254	258	264	272	283	297	313	332	352	373	397	422	446	470	494				
25	223	228	234	242	253	268	289	313	339	365	390	418	448	479	509				
30	194	200	208	218	232	249	270	293	321	351	381	411	447	487	528				
35	172	177	184	194	208	229	252	277	304	333	369	409	453	506	559				
40	151	156	162	172	186	205	228	253	281	314	355	407	459	514	571				
45	129	133	138	146	159	177	198	221	246	284	332	386	437	486	535				
50	107	108	112	119	129	143	160	180	204	238	289	341	383	414	441				
55	78.8	81.1	84.6	89.4	95.0	103	115	130	150	184	227	257	283	283	284				
60	50.1	52.8	56.4	61.1	65.4	67.6	65.5	73.5	91.4	104	126	139	140	131	122				
65	37.8	38.7	39.2	39.4	39.3	43.2	44.9	43.9	42.6	52.5	52.8	55.9	52.8	49.4	47.5				
70	29.1	31.0	32.0	32.4	32.4	32.2	32.2	31.7	31.9	31.8	31.9	31.6	30.7	29.0	26.4				
75	21.9	23.3	24.5	25.0	24.7	24.1	23.9	22.3	21.3	21.9	21.7	21.4	19.8	17.2	14.2				
80	14.7	15.4	16.9	17.0	16.0	14.1	12.9	12.1	11.0	11.3	12.1	12.0	11.0	9.17	7.55				
85	0.50	0.93	1.60	2.28	2.78	2.78	2.54	2.95	3.33	4.01	3.77	3.79	2.97	2.57	2.21				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:24DEG  
 Operators:ROMAN  
 Test Date:2019-09-25

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.269  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: