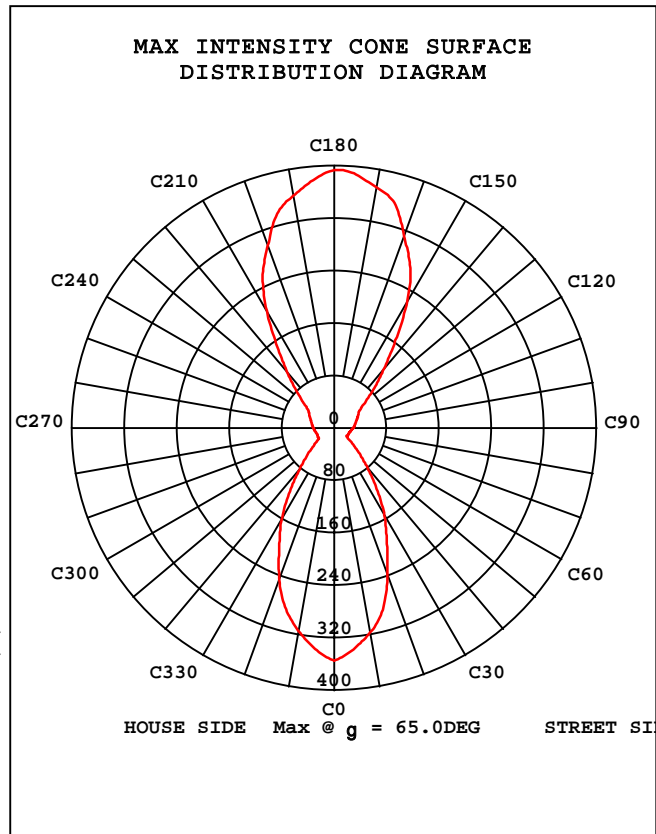
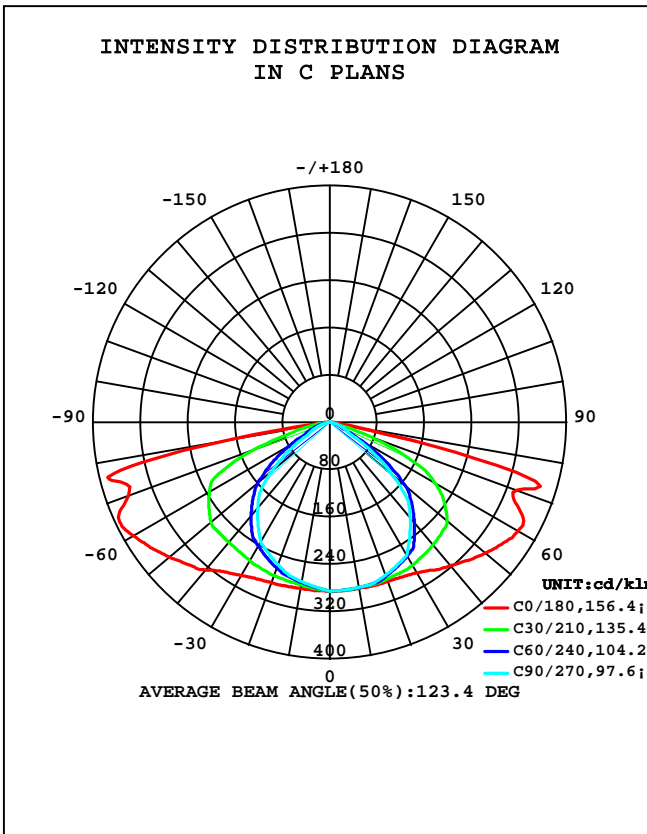


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.20 lm/W			
MODEL	50W, 6000K	Imax(cd/klm)	393.4	h street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	97.0	h street_down(%)	49.3
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	970.1	h house_up(%)	0.0
NOMINAL FLUX(lm)	7204.57	MAXIMUM @(C,g)	180,65.0	h house_down(%)	47.7
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	222.0	h down(%)	97.0	SLI	



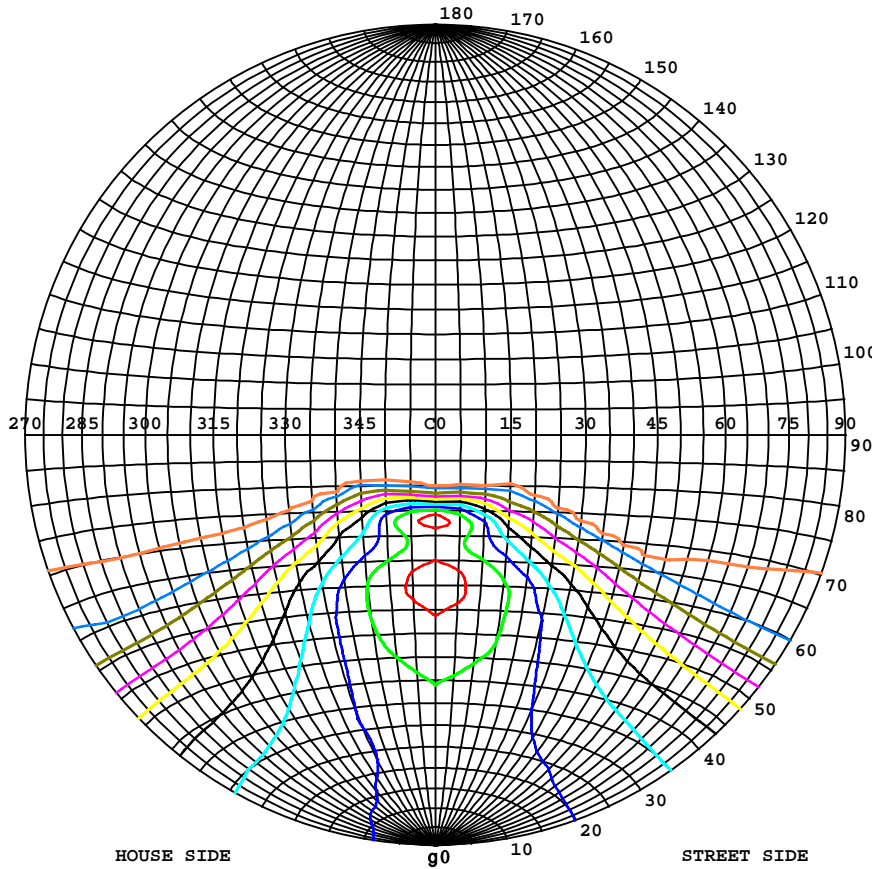
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:DANU VADIM
 Test Date:2020-06-23

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 50W, 6000k, ULTRA 2.GOS

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



Classification:

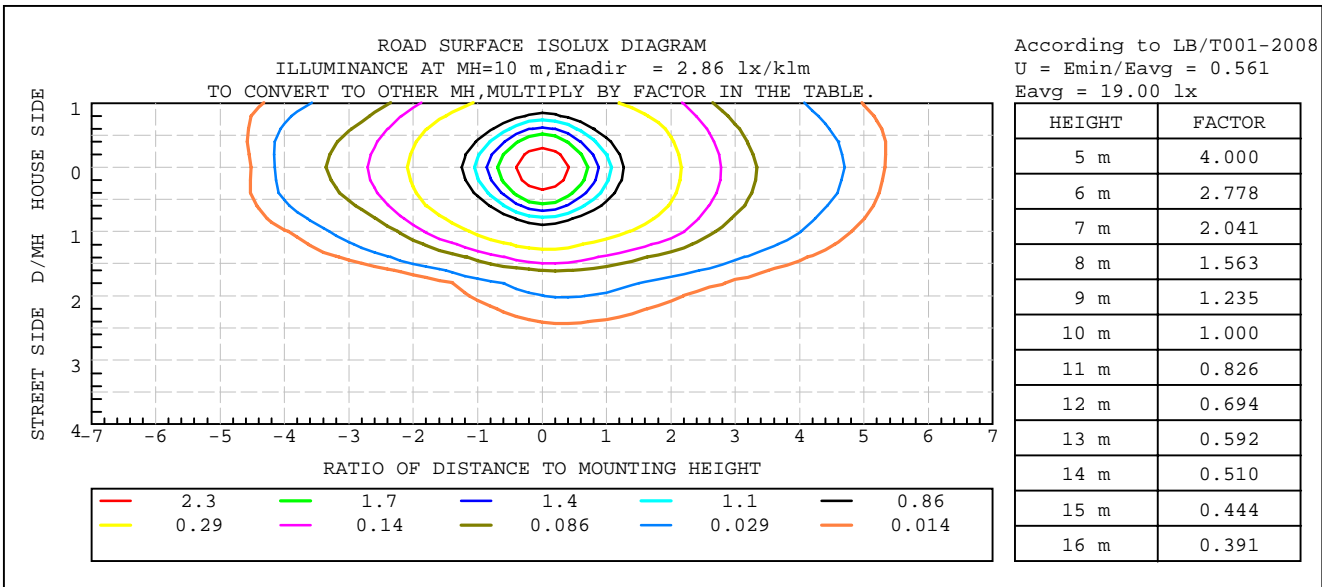
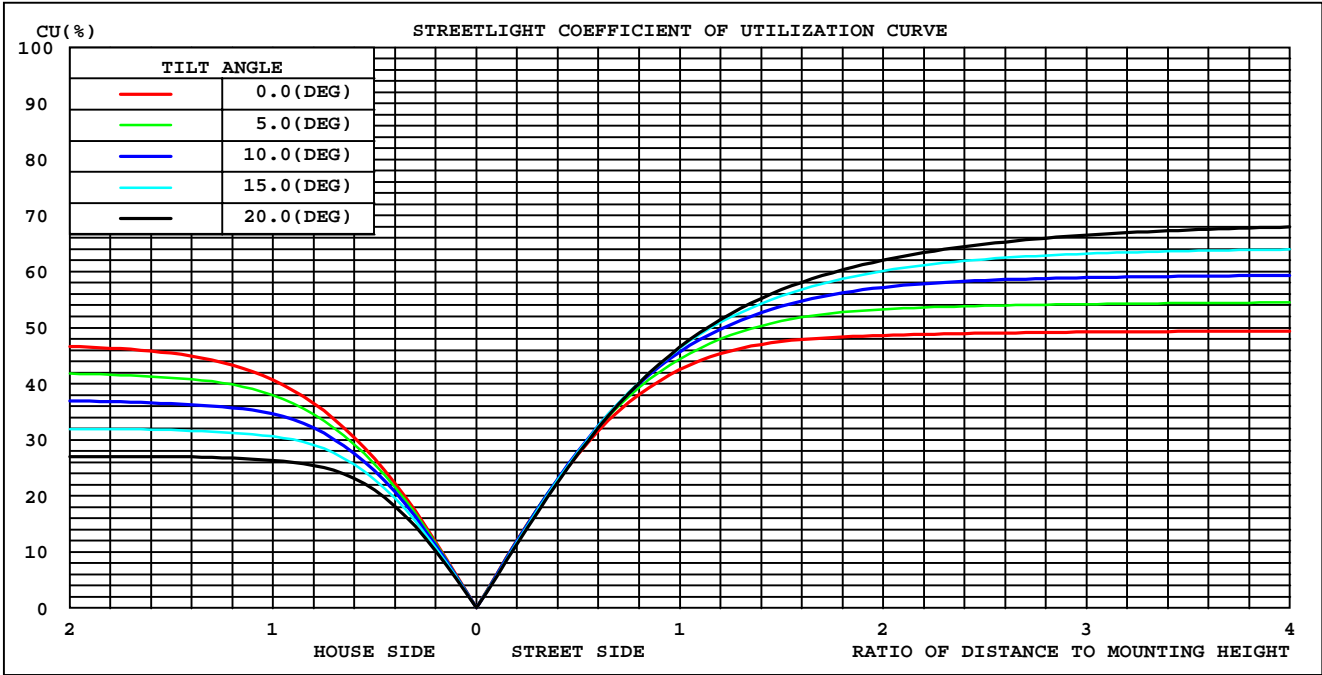
IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:188.8cd/klm
 Max.At90:1.046cd/klm
 Max.80-90:188.8cd/klm
 NRB 5101:Non limited[38.7%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
I _{max} =100%	393
90%	354
80%	315
70%	275
60%	236
50%	197
40%	157
30%	118
20%	79
10%	39
5%	20

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:DANU VADIM
 Test Date:2020-06-23

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: 26DEG
 Operators: DANU VADIM
 Test Date: 2020-06-23

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:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

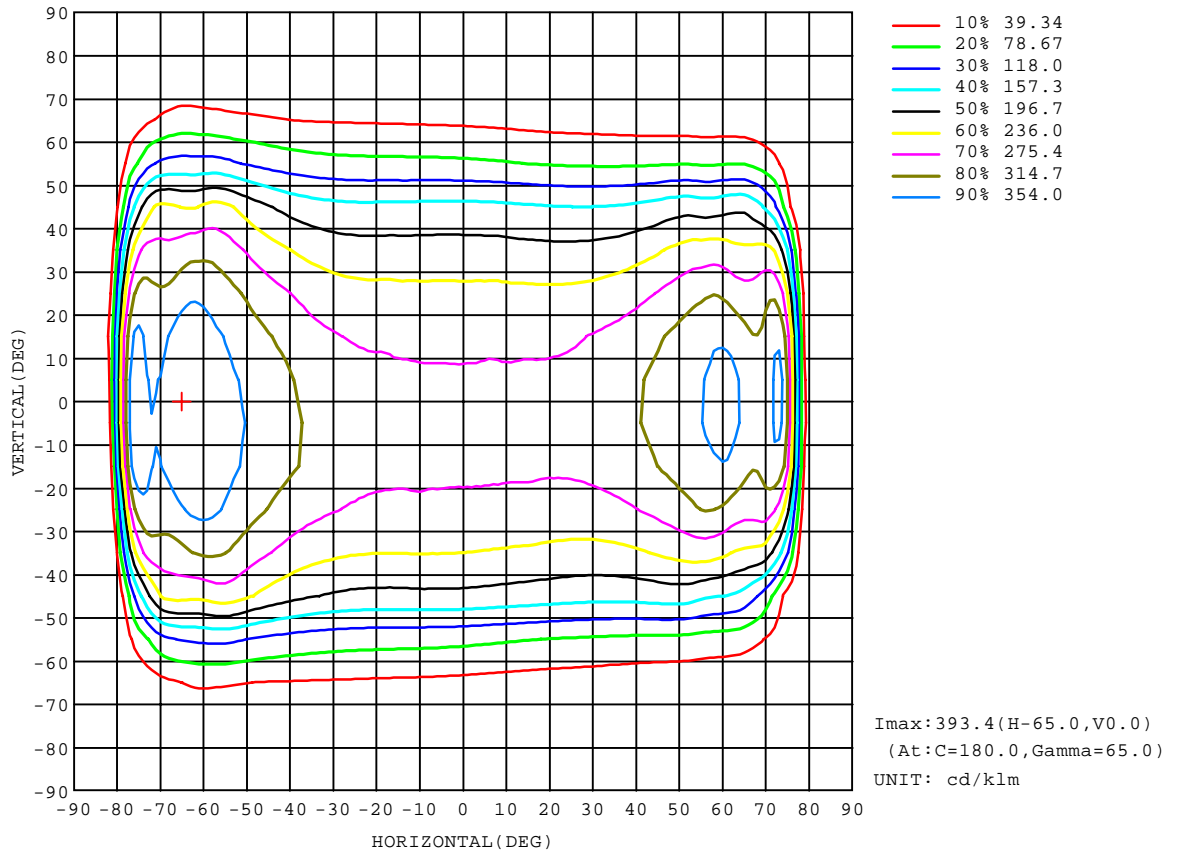
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	\$lum,lamp
5	285.6	285.1	284.6	284.8	285.6	281.4	279.7	281.7	0- 5	6.794	6.794	0.70,0.68
10	285.1	284.0	283.7	284.1	285.7	277.2	273.8	278.0	5- 10	20.19	26.99	2.78,2.7
15	286.5	282.6	282.8	284.3	287.1	273.5	268.0	273.6	10- 15	33.25	60.24	6.21,6.02
20	286.7	282.1	275.3	283.0	288.9	269.9	256.7	269.9	15- 20	45.77	106.0	10.9,10.6
25	288.8	275.3	267.8	278.7	292.4	263.0	245.4	260.8	20- 25	57.31	163.3	16.8,16.3
30	294.2	267.1	260.3	273.8	299.4	253.7	234.2	250.8	25- 30	67.97	231.3	23.8,23.1
35	305.6	258.3	236.2	269.2	309.3	244.6	212.1	240.3	30- 35	77.45	308.7	31.8,30.9
40	316.8	247.1	212.1	261.9	326.0	234.4	189.9	228.1	35- 40	84.89	393.6	40.6,39.4
45	330.4	223.0	188.0	242.1	339.7	215.4	167.8	206.6	40- 45	90.42	484.0	49.9,48.4
50	344.1	197.5	138.2	221.1	354.8	195.3	126.4	183.6	45- 50	93.02	577.1	59.5,57.7
55	357.4	168.4	88.36	197.2	369.6	172.6	84.94	157.4	50- 55	91.11	668.2	68.9,66.8
60	367.8	113.4	38.52	145.1	383.6	130.6	43.51	110.5	55- 60	84.98	753.1	77.6,75.3
65	354.7	53.66	29.31	87.01	393.4	83.51	32.28	58.45	60- 65	74.93	828.1	85.4,82.8
70	336.2	15.91	20.11	43.92	361.5	46.87	21.04	22.94	65- 70	61.85	889.9	91.7,89
75	326.0	10.94	10.90	25.69	381.4	27.49	9.805	14.17	70- 75	48.34	938.3	96.7,93.8
80	15.72	5.590	0	7.254	165.8	7.558	0	5.353	75- 80	27.08	965.3	99.5,96.5
85	7.667	0	0	0	7.266	0	0	0	80- 85	4.489	969.8	100,97
90	1.046	0	0	0	0.7715	0	0	0	85- 90	0.2952	970.1	100,97
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:26DEG
 Operators:DANU VADIM
 Test Date:2020-06-23

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

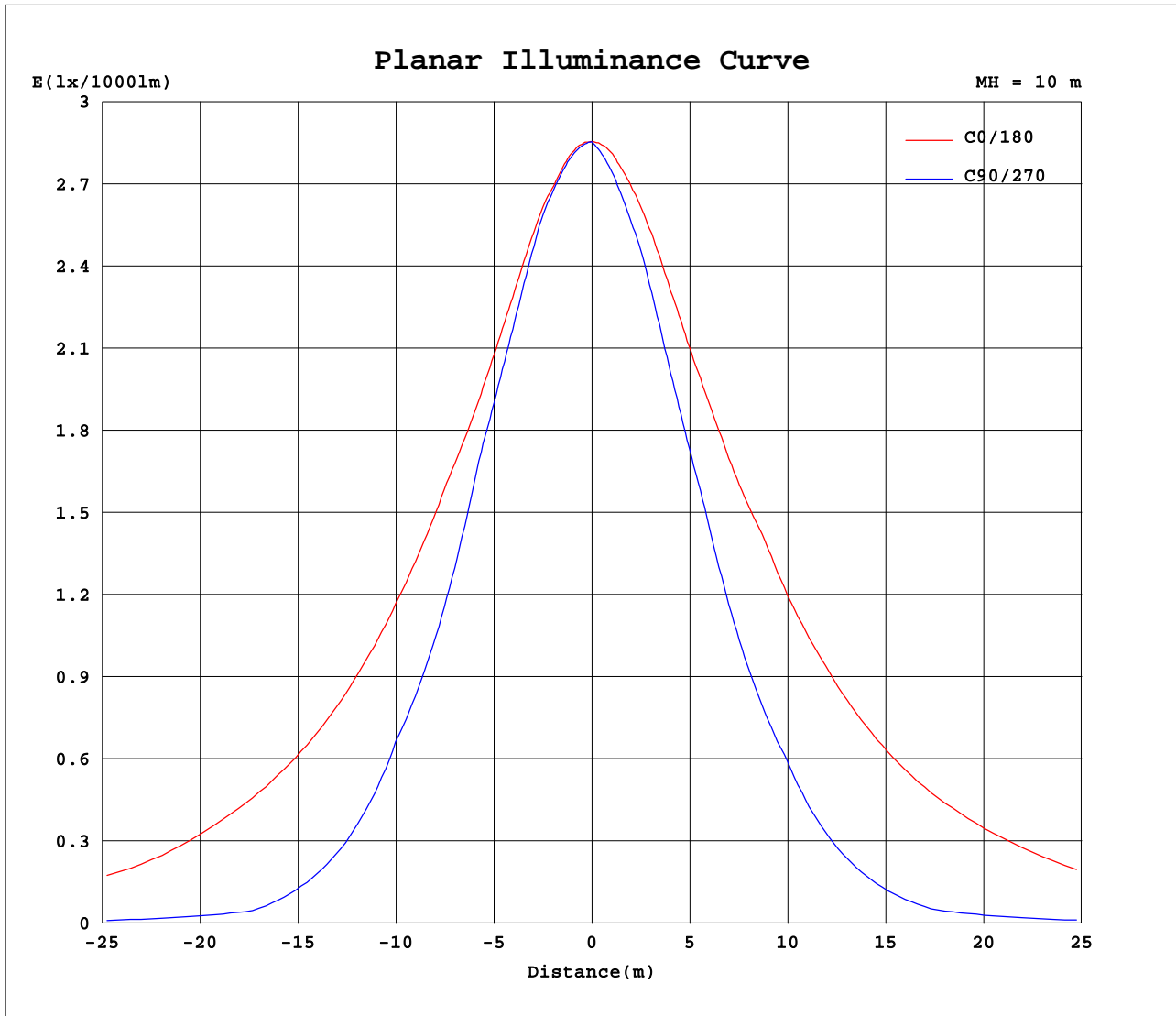
Test:U:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 26DEG
 Operators: DANU VADIM
 Test Date: 2020-06-23

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: 26DEG
 Operators: DANU VADIM
 Test Date: 2020-06-23

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:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	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	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
5	285	284	284	285	285	285	285	285	285	285	285	285	285	285	285	285	286	286	285
10	283	283	283	284	284	284	284	284	284	284	284	285	285	285	285	285	286	286	285
15	282	282	283	283	283	283	284	284	284	284	284	285	285	285	286	286	287	287	285
20	275	276	277	277	278	280	281	282	283	284	284	285	285	286	287	288	288	289	287
25	268	269	270	271	272	273	274	276	279	281	285	286	287	288	290	291	292	292	289
30	261	262	263	264	265	266	268	271	274	278	282	287	292	293	296	297	298	299	295
35	237	239	242	246	249	255	262	265	269	274	281	288	296	301	304	306	308	309	304
40	213	215	218	221	225	232	240	250	262	271	279	288	299	310	316	320	324	326	319
45	189	191	193	196	201	208	217	228	242	259	278	290	303	316	328	333	337	340	332
50	140	144	149	156	166	179	193	205	221	240	263	289	307	323	337	346	352	355	346
55	91.0	95.1	101	108	118	131	148	170	197	220	246	275	309	331	348	362	367	370	360
60	41.6	46.1	52.1	59.9	69.6	81.9	97.8	118	145	180	225	258	297	338	359	375	382	384	374
65	30.9	32.6	34.4	36.7	39.7	43.0	47.6	63.0	87.0	119	163	224	275	312	356	373	388	393	379
70	20.9	21.8	22.8	24.5	27.0	29.8	33.3	37.8	43.9	51.8	86.0	140	199	258	303	337	357	362	348
75	10.9	10.9	11.1	12.1	14.0	16.1	18.2	21.4	25.7	31.7	41.3	54.9	92.7	160	250	314	365	381	349
80	0.08	0.31	0.69	1.25	2.13	3.20	4.34	5.70	7.25	9.45	14.7	23.4	33.9	40.3	77.8	126	152	166	189
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	4.52	7.31	6.02	6.70	7.27	6.28
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	0.77	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26DEG
 Operators:DANU VADIM
 Test Date:2020-06-23

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:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	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	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
5	285	284	284	283	283	282	282	281	281	281	280	280	280	280	280	280	280	280	280
10	284	283	282	281	280	279	278	277	277	276	275	275	275	274	274	274	274	274	274
15	284	282	281	279	278	276	275	274	272	271	270	270	269	269	268	268	268	268	268
20	285	282	280	278	276	274	272	270	268	265	263	261	259	258	257	257	257	257	258
25	286	283	280	276	273	271	267	263	259	255	253	250	248	247	246	246	245	246	246
30	291	286	281	276	271	264	258	254	250	246	242	240	237	236	235	234	234	234	235
35	298	291	285	277	267	259	251	245	239	235	229	223	219	216	214	213	212	212	213
40	310	302	291	278	265	254	244	234	223	214	207	202	197	194	192	191	190	190	191
45	323	312	297	281	265	251	232	215	202	192	184	179	174	171	170	168	168	168	168
50	335	321	302	283	263	237	214	195	180	169	158	148	141	134	130	128	126	126	128
55	349	330	308	283	250	220	194	173	150	132	118	108	101	94.2	89.7	86.6	84.9	84.4	85.4
60	360	338	313	273	235	201	161	131	108	90.7	77.9	67.9	60.2	53.8	49.1	45.6	43.5	42.5	42.9
65	360	338	297	259	207	152	112	83.5	62.8	49.4	44.9	41.5	38.8	36.5	34.8	33.4	32.3	31.2	30.1
70	322	291	246	198	138	87.8	57.6	46.9	39.4	34.4	30.7	27.8	25.5	23.7	22.6	21.7	21.0	20.4	19.9
75	300	248	163	102	62.9	45.8	35.5	27.5	22.1	18.6	16.1	13.8	12.1	10.9	10.2	9.93	9.81	9.74	9.76
80	164	104	60.1	43.9	26.9	16.8	10.5	7.56	5.71	4.31	3.12	2.03	1.22	0.66	0.29	0.07	0.00	0.07	0.28
85	8.10	12.5	4.98	2.39	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
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:26DEG
 Operators:DANU VADIM
 Test Date:2020-06-23

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:221.9V I:0.2310A P:49.50W PF:0.9640 Lamp Flux:7204.57x1 lm		
NAME: Street Light ULTRA 2 50W, 6000K	TYPE:50W	WEIGHT:1.6
DIM.:	SPEC.:6000K	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	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286				
5	280	280	280	281	281	281	282	282	283	283	283	284	284	285	285				
10	274	275	276	276	277	278	278	279	279	280	281	281	282	283	284				
15	269	270	271	272	272	273	274	275	276	277	279	280	282	283	285				
20	259	261	262	263	265	268	270	271	273	275	276	278	280	282	285				
25	248	249	250	252	254	257	261	265	270	272	275	278	280	283	286				
30	236	237	238	240	243	246	251	256	262	269	275	279	283	287	291				
35	215	217	220	225	231	235	240	247	255	264	275	284	289	295	301				
40	192	194	197	202	208	217	228	238	248	259	273	287	296	304	311				
45	169	170	173	178	185	195	207	222	240	254	270	288	305	315	323				
50	130	134	141	150	161	170	184	200	222	247	269	290	312	327	336				
55	87.3	91.5	97.9	107	120	136	157	177	200	229	264	291	316	339	349				
60	44.5	48.2	54.1	62.8	74.5	90.1	111	138	174	205	242	285	315	344	358				
65	29.0	28.4	28.4	28.9	30.0	40.7	58.4	83.3	119	162	199	246	286	315	338				
70	19.4	19.3	19.7	20.3	21.2	22.1	22.9	24.4	49.2	86.0	135	198	241	292	323				
75	9.84	10.3	11.0	11.7	12.5	13.3	14.2	15.5	17.7	20.7	48.0	110	170	255	305				
80	0.61	1.09	1.76	2.52	3.37	4.31	5.35	6.47	7.85	10.2	13.0	13.9	41.7	40.0	32.8				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38	2.63	3.26	4.68	6.79			
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:26DEG
 Operators:DANU VADIM
 Test Date:2020-06-23

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: