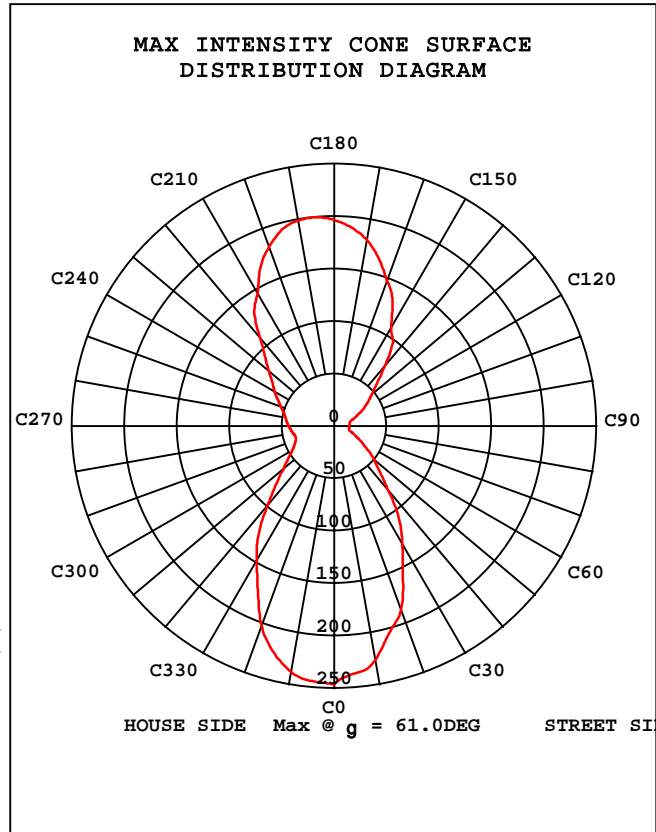
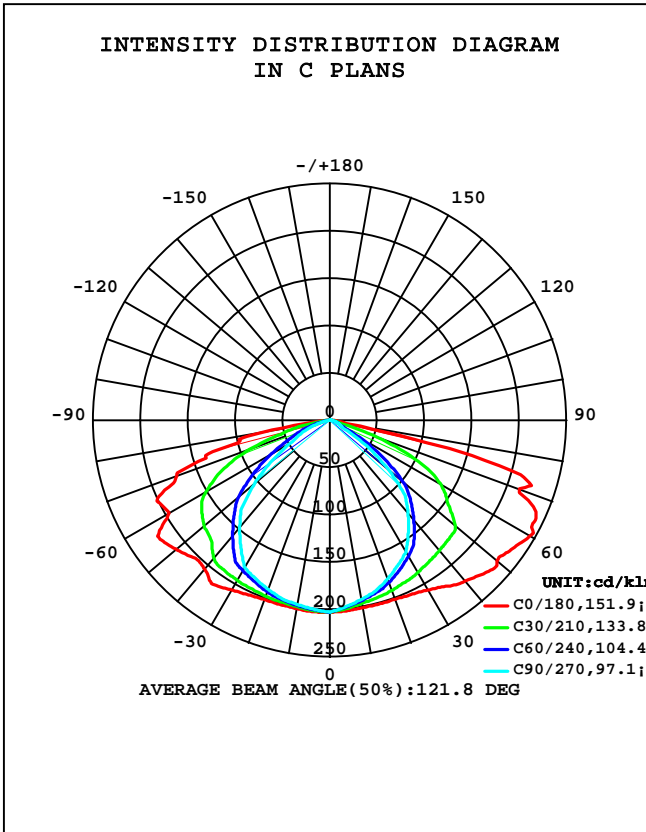


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.9V I:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.52 lm/W			
Light	ULTRA 2 30W 4000K	Imax(cd/klm)	246.4	h street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	63.4	h street_down(%)	29.6
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	633.5	h house_up(%)	0.0
NOMINAL FLUX(lm)	4228.4	MAXIMUM @(C,g )	0,61.0	h house_down(%)	33.8
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	221.9	h down(%)	63.4	SLI	



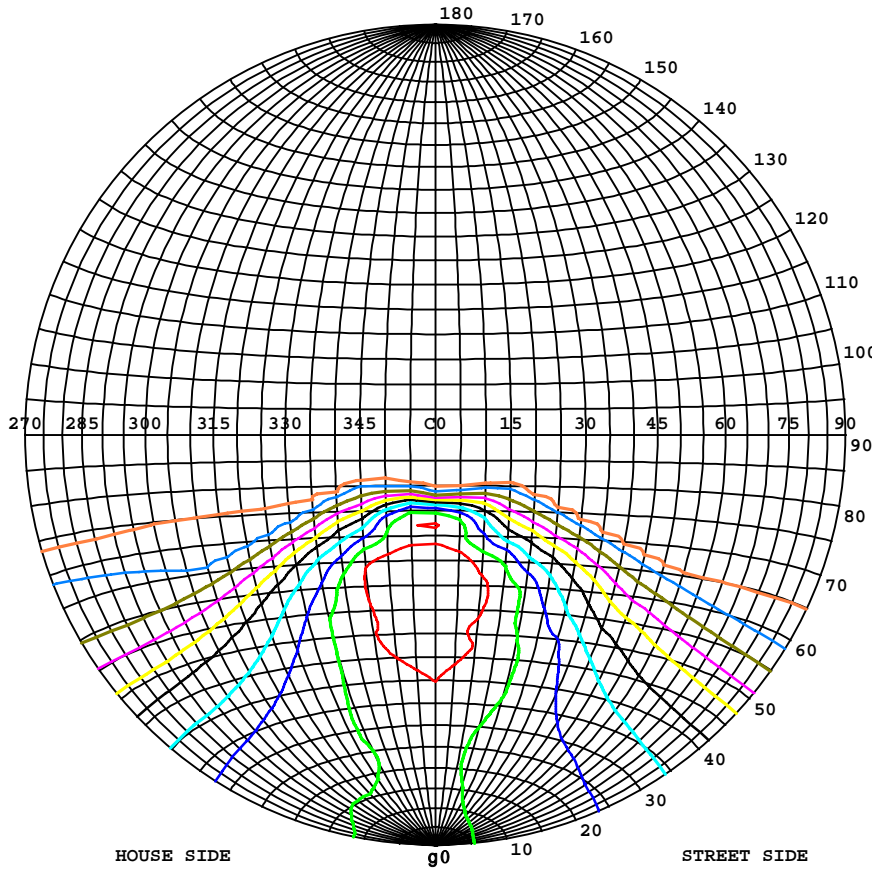
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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\ULTRA2 NEW\ULTRA2 30W 4000K.GOS

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:221.9V I:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	PROTECTION ANGLE:



Classification:

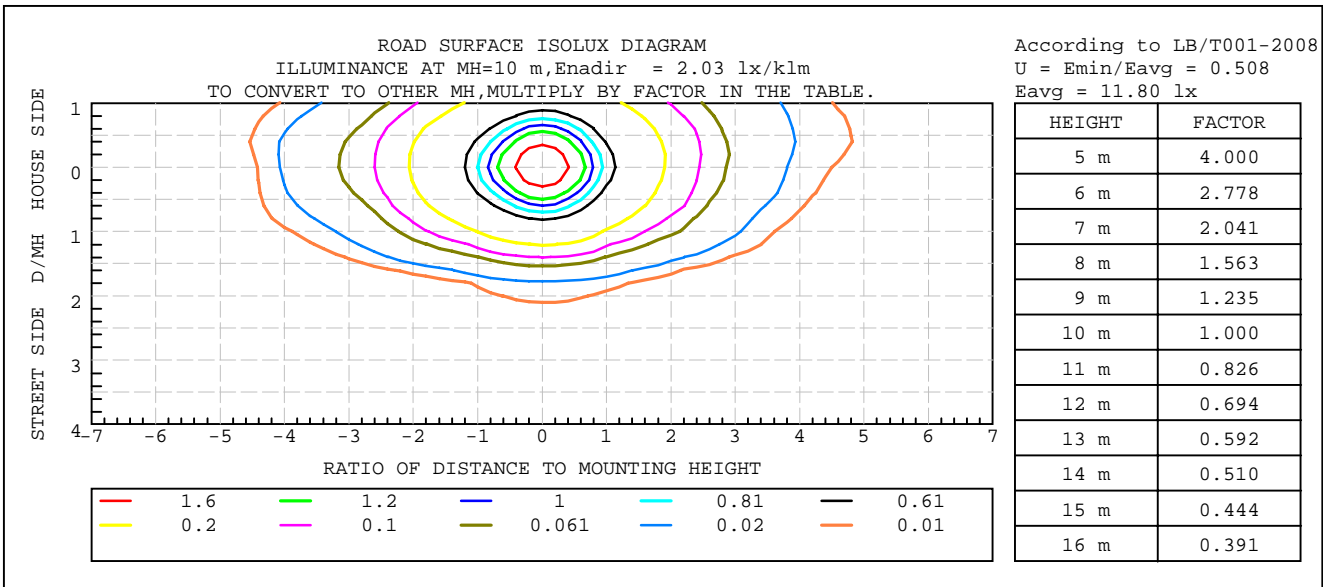
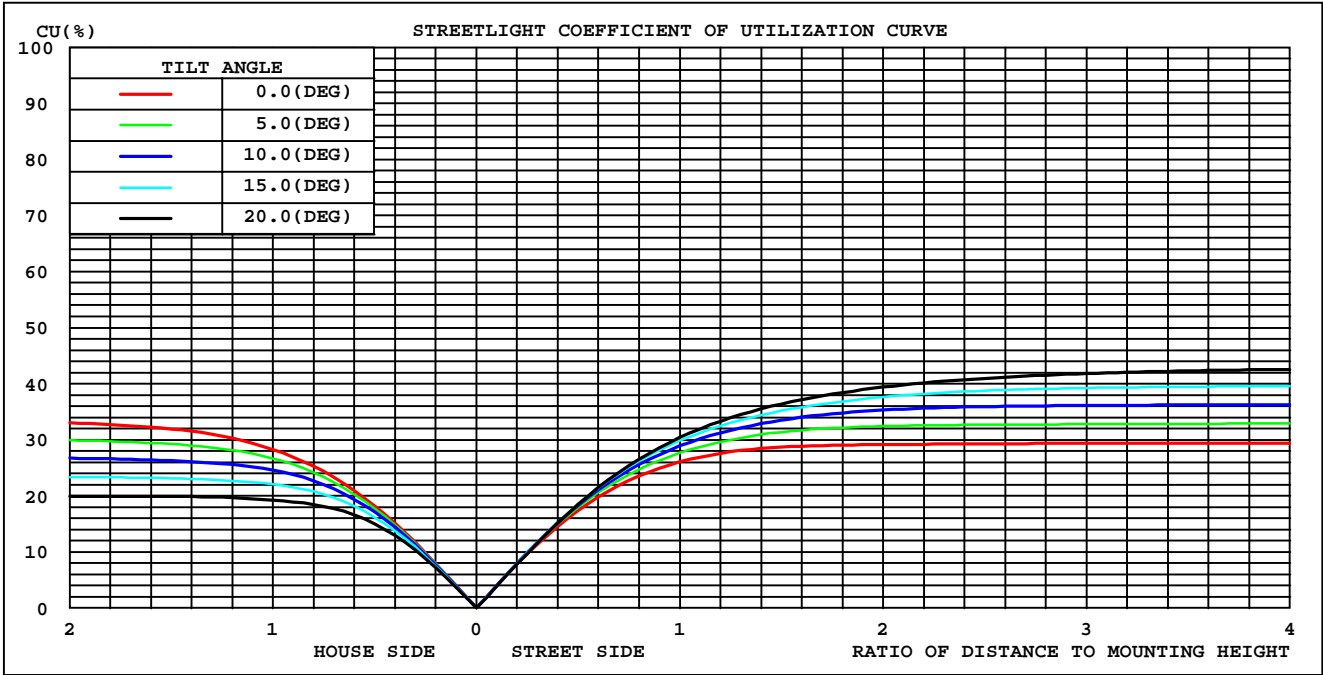
IES:Type V - Short  
 CIE:Narrow - Intermediate  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:94.61cd/klm  
 Max.At90:0.4666cd/klm  
 Max.80-90:94.61cd/klm  
 NRB 5101:Semi limited[17.8%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
I <sub>max</sub> =100%	246
90%	222
80%	197
70%	172
60%	148
50%	123
40%	99
30%	74
20%	49
10%	25
5%	12

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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: 29DEG  
 Operators: DANU VADIM  
 Test Date: 2020-10-15

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:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	PROTECTION ANGLE:

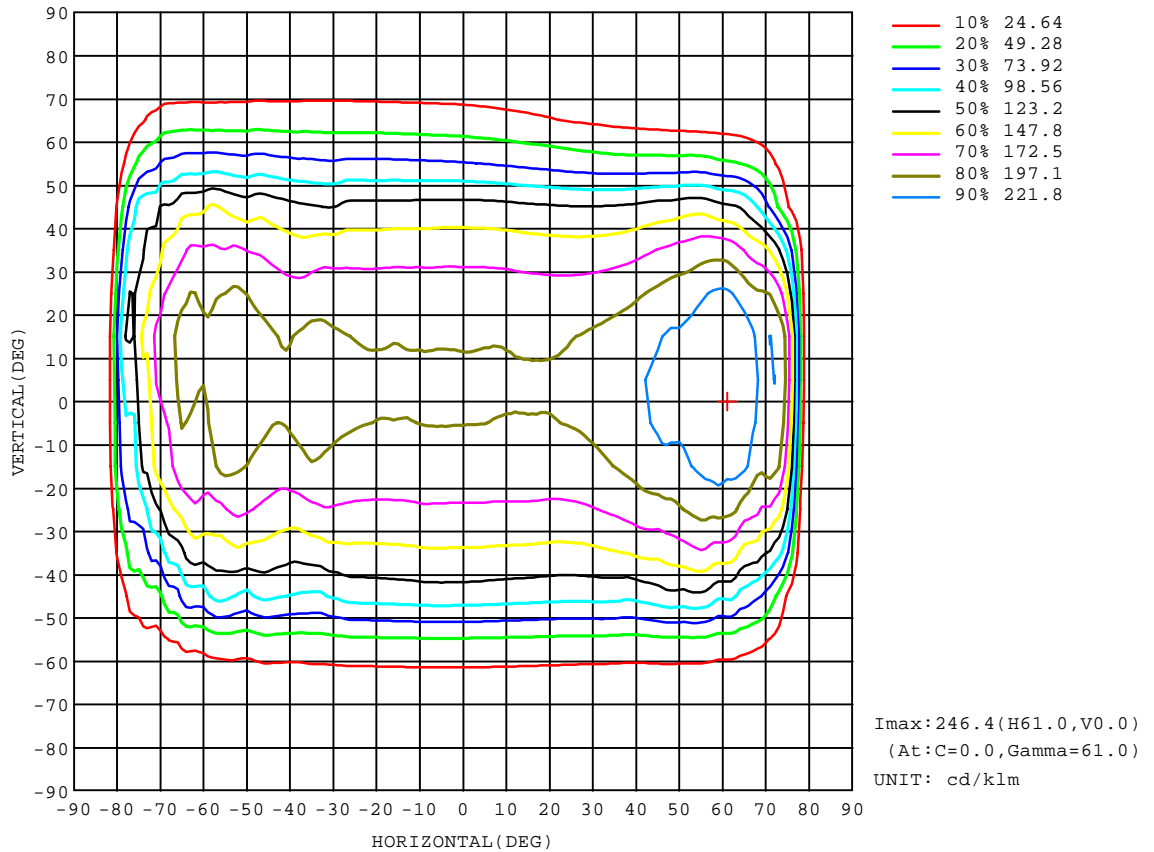
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	\$lum,lamp
5	202.4	199.0	197.7	199.4	203.1	201.4	200.4	201.0	0- 5	4.812	4.812	0.76,0.48
10	201.2	194.8	192.4	195.7	202.2	199.4	197.9	199.2	5- 10	14.23	19.04	3.01,1.9
15	201.2	191.2	187.1	191.7	201.8	197.6	195.4	197.4	10- 15	23.28	42.32	6.68,4.23
20	201.5	187.9	178.5	187.5	201.9	196.4	190.3	195.2	15- 20	31.88	74.20	11.7,7.42
25	203.4	181.1	169.8	180.9	203.6	192.7	185.2	190.8	20- 25	39.79	114.0	18,11.4
30	207.3	173.2	161.2	173.5	207.3	187.9	180.1	185.6	25- 30	47.05	161.0	25.4,16.1
35	214.1	165.7	145.1	165.9	212.7	183.4	164.2	180.4	30- 35	53.44	214.5	33.9,21.4
40	222.1	157.2	129.0	157.1	205.9	177.5	148.3	173.2	35- 40	58.16	272.6	43,27.3
45	229.6	142.4	112.9	139.6	204.7	160.5	132.5	158.0	40- 45	60.79	333.4	52.6,33.3
50	231.0	125.8	80.40	115.4	212.3	141.9	103.7	141.6	45- 50	61.54	395.0	62.3,39.5
55	236.3	104.4	47.90	93.46	219.1	123.8	75.01	123.3	50- 55	59.24	454.2	71.7,45.4
60	244.6	68.75	15.40	64.70	196.2	99.03	46.28	86.43	55- 60	54.08	508.3	80.2,50.8
65	240.7	33.15	12.19	32.75	201.5	71.12	33.65	45.52	60- 65	46.15	554.4	87.5,55.4
70	213.3	10.25	8.982	11.45	172.5	45.54	21.02	18.25	65- 70	37.35	591.8	93.4,59.2
75	185.7	6.656	5.774	6.331	128.7	25.07	8.387	12.72	70- 75	26.38	618.2	97.6,61.8
80	11.46	2.802	0	1.253	62.13	5.345	0	6.578	75- 80	12.71	630.9	99.6,63.1
85	3.739	0	0	0	0.6126	0	0	0	80- 85	2.479	633.4	100,63.3
90	0.4666	0	0	0	0.4446	0	0	0	85- 90	0.1429	633.5	100,63.4
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:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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

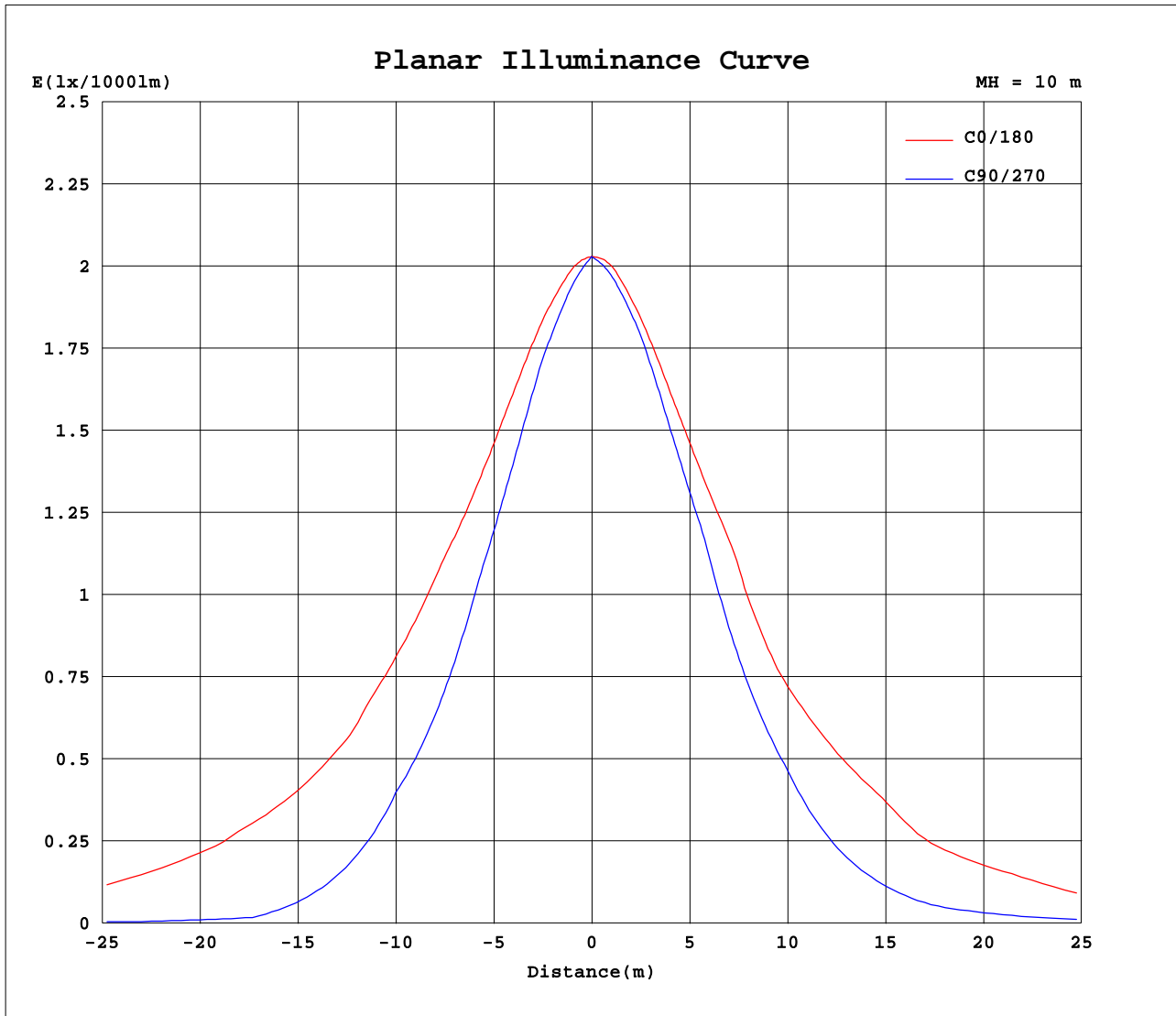
Test:U:221.9V I:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 29DEG  
 Operators: DANU VADIM  
 Test Date: 2020-10-15

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: 29DEG  
 Operators: DANU VADIM  
 Test Date: 2020-10-15

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:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	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	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
5	202	202	201	201	201	200	200	200	199	199	199	198	198	198	198	198	198	198	198
10	201	200	200	199	198	197	197	196	195	195	194	194	194	193	193	193	193	192	192
15	201	200	199	198	196	195	194	193	192	191	190	190	189	188	188	188	187	187	187
20	201	200	198	196	195	193	192	190	189	188	186	184	183	181	180	180	179	179	178
25	203	201	198	196	193	191	189	187	184	181	179	177	175	173	172	171	170	170	170
30	207	204	201	197	194	190	186	181	177	173	170	168	166	164	163	162	162	161	161
35	214	210	205	201	196	190	183	176	170	166	162	159	155	152	149	147	146	145	145
40	222	217	212	206	199	189	180	172	164	157	149	143	138	135	132	130	129	129	129
45	230	224	218	212	200	189	178	168	154	142	133	126	121	118	115	113	113	113	113
50	231	226	219	210	197	184	173	153	137	126	116	109	101	93.9	88.6	84.4	81.8	80.6	80.4
55	236	231	224	210	194	175	152	134	116	104	91.3	78.7	69.1	62.0	56.5	52.4	49.7	48.2	47.9
60	245	238	228	207	192	159	135	115	88.2	68.7	56.7	45.4	36.4	29.7	24.4	20.3	17.5	15.9	15.4
65	241	231	213	193	155	133	103	75.8	51.3	33.2	20.7	12.7	12.4	12.4	12.2	12.1	12.2	12.2	12.2
70	213	205	177	137	114	78.7	54.0	27.6	11.0	10.3	9.67	9.36	9.12	8.98	8.85	8.84	8.99	9.07	8.98
75	186	165	124	79.4	51.0	24.1	8.97	7.94	7.23	6.66	6.17	5.98	5.87	5.68	5.47	5.54	5.81	5.94	5.77
80	11.5	12.1	16.7	18.3	6.06	5.44	4.74	4.03	3.53	2.80	2.23	1.79	1.39	0.97	0.61	0.36	0.17	0.04	0.00
85	3.74	2.72	2.38	1.91	1.06	0.63	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	0.47	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:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	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	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
5	198	198	198	198	198	198	199	199	199	200	200	201	201	201	202	202	203	203	203
10	192	193	193	193	194	194	195	195	196	196	197	198	198	199	200	201	201	202	202
15	187	187	188	188	189	190	191	191	192	192	193	194	195	197	198	199	200	202	201
20	179	179	180	181	182	183	184	186	188	189	190	192	193	195	196	198	200	202	201
25	170	171	171	173	173	174	176	178	181	184	187	189	191	194	196	199	201	204	202
30	161	162	163	164	164	166	168	170	173	177	182	187	191	194	198	201	204	207	206
35	145	147	148	150	152	155	159	162	166	171	176	183	190	196	200	205	209	213	211
40	129	131	132	133	136	139	144	150	157	164	170	175	182	189	194	197	201	206	203
45	113	114	116	117	119	123	128	133	140	147	154	158	167	175	186	193	199	205	203
50	81.3	83.3	86.1	90.2	96.0	103	111	112	115	124	132	147	161	174	188	198	206	212	211
55	48.8	50.7	53.6	57.9	63.6	71.0	78.1	83.5	93.5	105	119	136	156	174	189	204	212	219	218
60	16.2	18.1	21.1	25.5	30.9	38.1	45.2	52.6	64.7	81.9	104	115	137	155	169	184	191	196	200
65	12.3	12.4	12.6	12.8	13.1	13.9	15.4	22.6	32.7	48.8	65.2	84.0	114	131	162	177	194	202	206
70	8.99	8.99	8.85	8.87	9.01	9.76	10.7	10.7	11.5	13.4	24.0	47.7	73.3	96.4	115	142	164	172	184
75	5.66	5.53	5.11	4.86	4.94	5.41	5.77	5.67	6.33	6.60	7.62	6.93	18.8	44.2	60.6	89.8	113	129	145
80	0.04	0.16	0.32	0.52	0.77	1.09	1.30	1.34	1.25	1.16	2.23	2.87	2.89	5.31	16.3	35.0	57.6	62.1	90.0
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	0.25	0.58	1.51	0.97	0.61	0.61	2.42
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	0.44	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	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	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
5	203	202	202	202	202	202	202	202	201	201	201	201	201	201	200	200	200	200	200
10	201	201	201	200	200	200	200	199	199	199	199	199	198	198	198	198	198	198	198
15	201	200	200	199	199	198	198	198	197	197	196	196	196	196	196	195	195	195	196
20	200	200	199	198	198	198	197	196	195	194	193	192	192	191	191	190	190	190	191
25	201	200	199	198	197	196	194	193	191	190	188	187	186	186	186	185	185	185	186
30	204	202	200	198	196	193	190	188	186	185	184	182	182	181	180	180	180	180	180
35	208	206	203	199	194	190	186	183	181	180	176	172	169	167	165	165	164	164	165
40	201	200	199	194	190	187	183	178	170	164	160	156	153	151	149	149	148	148	149
45	201	198	190	184	178	175	170	160	155	149	144	140	137	135	133	133	132	132	133
50	208	202	193	184	173	160	150	142	133	133	126	119	114	109	106	105	104	103	104
55	216	206	196	183	165	149	136	124	111	105	98.8	92.0	86.7	82.2	78.8	76.6	75.0	74.1	74.0
60	201	197	187	170	151	138	116	99.0	86.7	77.2	71.5	64.9	59.7	55.0	51.2	48.4	46.3	44.7	44.0
65	201	193	172	153	126	107	86.8	71.1	60.6	52.2	47.5	43.9	41.1	38.5	36.4	34.9	33.7	32.4	31.2
70	177	165	148	122	90.0	67.4	54.0	45.5	40.0	35.2	31.3	28.3	25.9	24.0	22.6	21.7	21.0	20.4	19.9
75	138	128	101	69.7	48.6	38.4	31.7	25.1	20.5	17.4	14.7	12.5	10.6	9.32	8.64	8.39	8.39	8.52	8.74
80	94.6	62.8	46.3	31.0	19.6	12.5	7.26	5.34	4.25	3.33	2.47	1.66	0.99	0.54	0.24	0.06	0.00	0.00	0.25
85	6.05	9.56	2.72	1.39	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:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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:0.1460A P:29.70W PF:0.9160 Lamp Flux:4228.4x1 lm		
NAME: Ultra 2 30W 4000K	TYPE:Street Light	WEIGHT:1000g
DIM.: 337x170x55	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:30	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	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203				
5	200	200	200	201	201	201	201	201	201	201	202	202	202	202	202				
10	198	198	198	199	199	199	199	199	199	200	200	200	200	201	201				
15	196	196	197	197	197	197	197	197	198	198	199	199	200	200	201				
20	191	192	193	193	194	195	195	196	196	197	197	198	199	200	201				
25	186	187	187	187	188	189	191	193	195	196	197	198	200	201	202				
30	181	181	181	181	182	184	186	188	191	195	198	200	202	204	206				
35	166	168	169	173	176	178	180	184	188	193	199	204	206	209	212				
40	150	151	153	156	160	166	173	179	184	191	198	206	211	215	219				
45	133	134	136	139	144	150	158	168	180	188	197	207	217	222	226				
50	105	108	113	119	126	133	142	153	167	184	197	209	221	227	229				
55	74.9	77.1	81.0	86.8	95.4	107	123	136	152	171	194	208	220	232	235				
60	44.2	45.7	48.5	53.2	60.6	71.2	86.4	107	134	153	177	206	223	238	243				
65	30.1	29.1	28.0	26.9	25.9	32.5	45.5	64.3	88.5	123	153	182	218	229	239				
70	19.5	19.4	19.2	19.1	18.7	18.3	18.2	18.3	36.3	65.9	98.6	137	168	200	216				
75	9.16	9.90	10.8	11.7	12.1	12.4	12.7	13.1	13.4	14.1	31.8	68.2	97.7	153	191				
80	0.56	1.04	1.75	2.70	3.77	5.02	6.58	8.03	8.30	9.05	9.76	9.75	23.0	21.9	20.7				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	4.91	5.46	5.40	4.56				
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:29DEG  
 Operators:DANU VADIM  
 Test Date:2020-10-15

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: