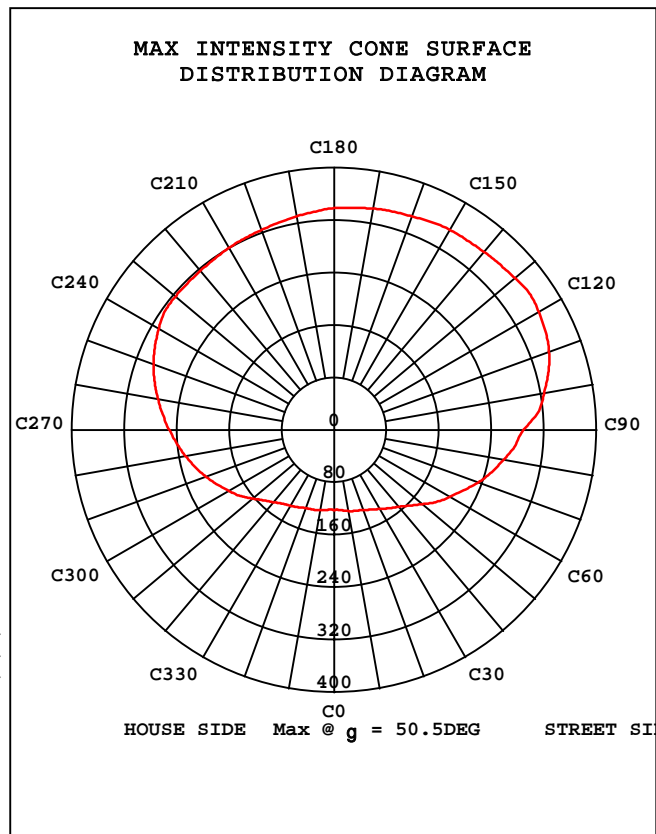
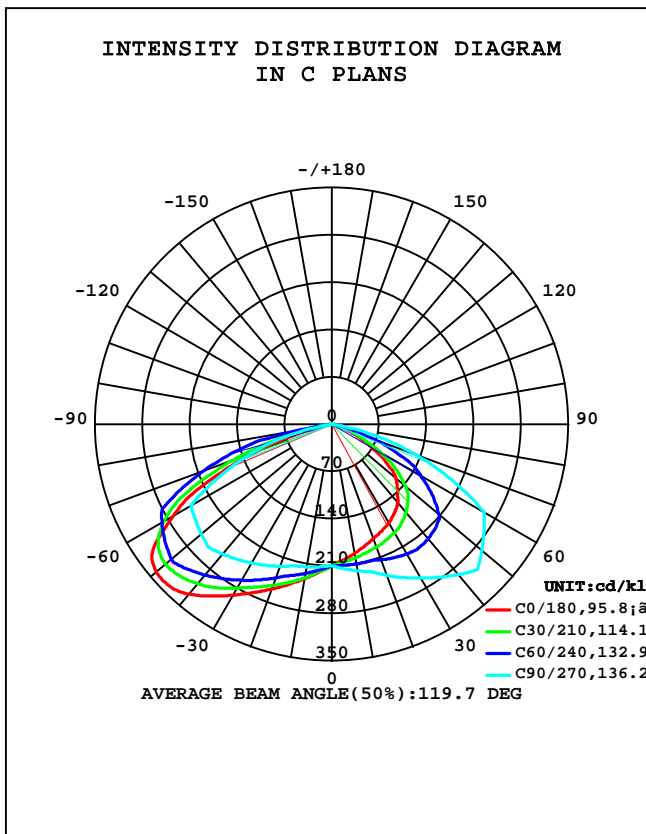


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.13 lm/W			
MODEL	100W 4000K	Imax(cd/klm)	363.8	h street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	98.3	h street_down(%)	50.6
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	983.0	h house_up(%)	0.0
NOMINAL FLUX(lm)	13113.1	MAXIMUM @(C,g)	125,50.5	h house_down(%)	47.7
LAMPS INSIDE	1	h up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	221.8	h down(%)	98.3	SLI	



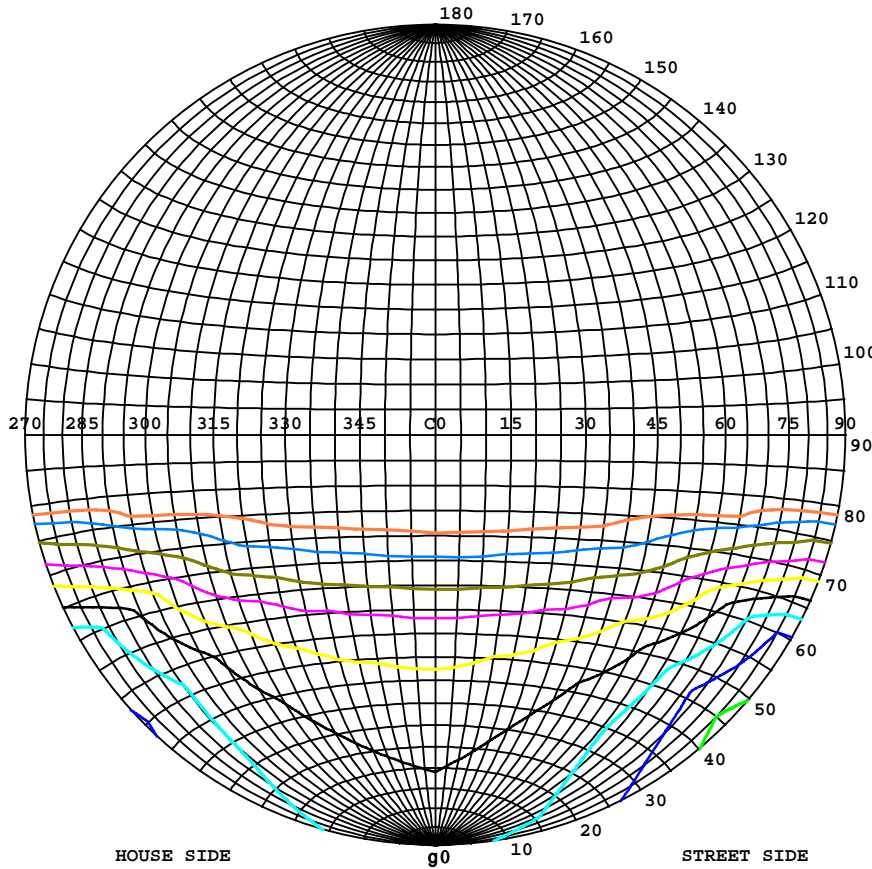
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 Operators:ROMAN
 Test Date:2020-02-24

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\STREET LIGHT 18M(M) FUSION 2 100W 4000K.GOS

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



Classification:

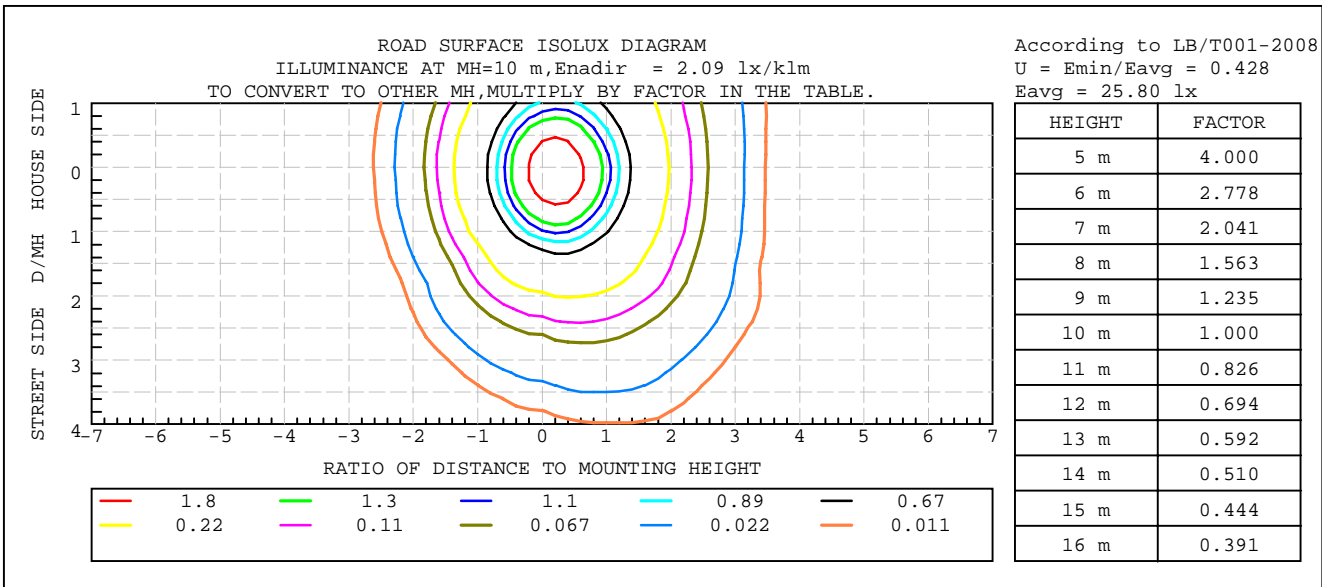
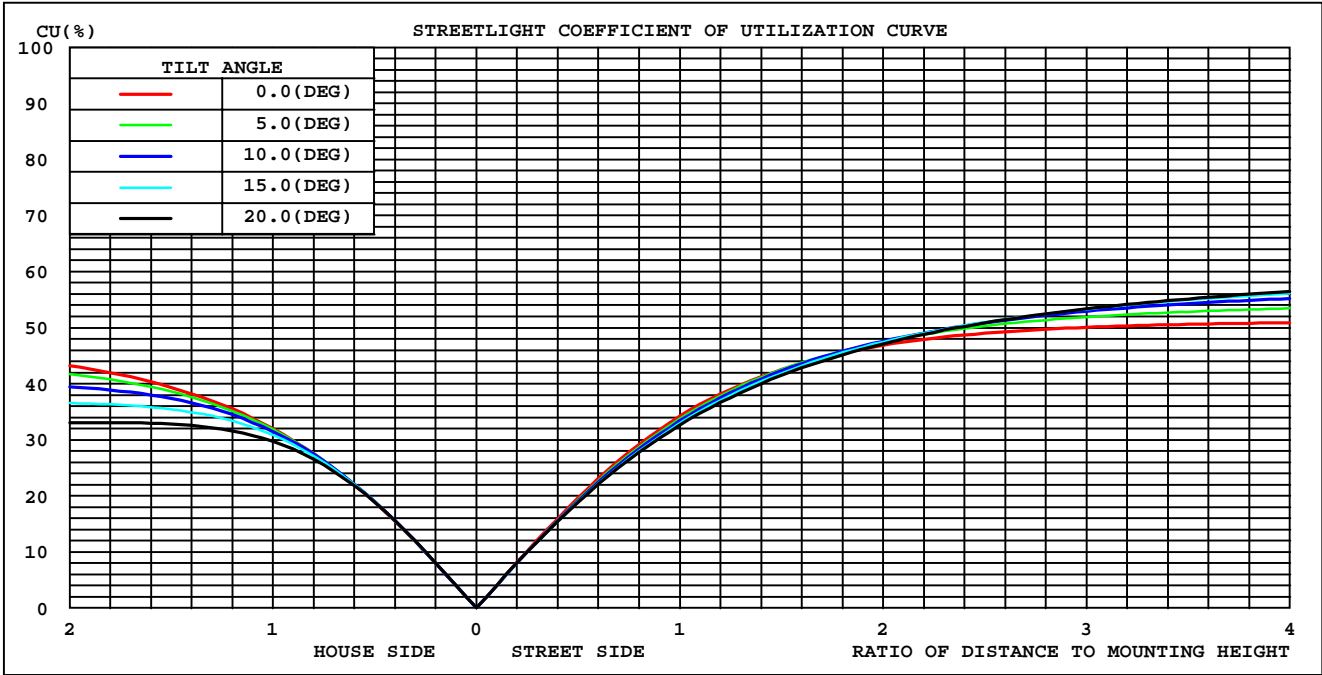
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:36.23cd/klm
 Max.At90:0.4868cd/klm
 Max.80-90:36.23cd/klm
 NRB 5101:Limited[5.6%]

ISOCANDELA DIAGRAM	
UNIT	cd/klm
I _{max} =100%	364
90%	327
80%	291
70%	255
60%	218
50%	182
40%	146
30%	109
20%	73
10%	36
5%	18

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 Operators:ROMAN
 Test Date:2020-02-24

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: 22DEG
 Operators: ROMAN
 Test Date: 2020-02-24

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:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:

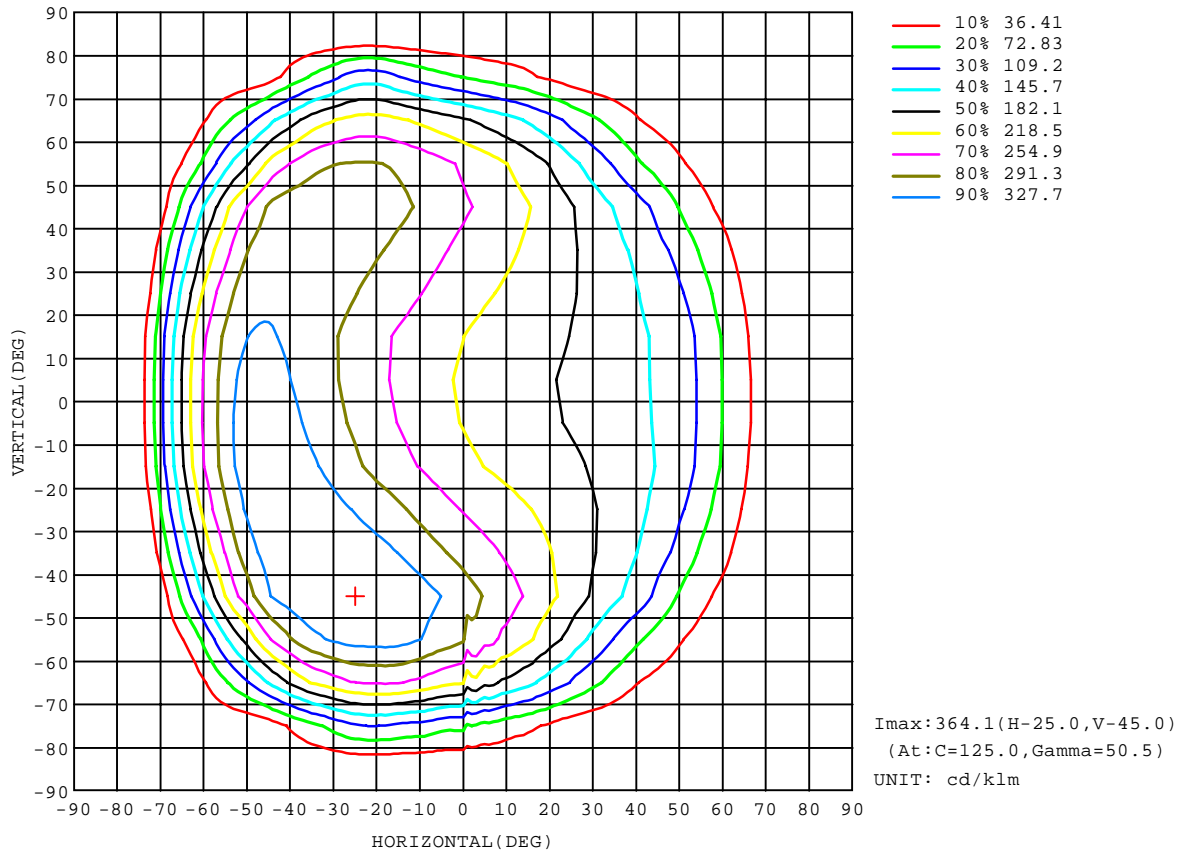
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	\$lum,lamp
5	201.6	207.2	214.8	220.5	219.5	218.2	211.8	205.3	0- 5	5.053	5.053	0.51,0.51
10	194.4	205.3	220.3	233.3	231.5	227.9	214.4	201.5	5- 10	15.35	20.41	2.08,2.04
15	187.2	203.4	225.7	246.8	245.3	237.7	216.9	197.8	10- 15	25.92	46.33	4.71,4.63
20	180.7	201.7	238.0	260.4	259.5	246.7	223.7	194.7	15- 20	36.83	83.16	8.46,8.32
25	174.6	202.5	250.2	280.5	274.9	260.0	230.5	193.0	20- 25	48.30	131.5	13.4,13.1
30	168.8	201.9	262.4	302.6	292.1	275.0	237.3	190.2	25- 30	60.22	191.7	19.5,19.2
35	161.4	199.3	276.5	324.1	310.5	289.3	244.2	185.5	30- 35	72.35	264.0	26.9,26.4
40	152.3	193.5	290.7	342.1	328.1	301.7	251.0	179.0	35- 40	84.16	348.2	35.4,34.8
45	137.9	180.6	304.8	352.0	339.2	311.0	257.9	167.7	40- 45	94.93	443.1	45.1,44.3
50	123.9	165.2	290.0	357.3	339.4	316.9	252.2	153.8	45- 50	103.2	546.3	55.6,54.6
55	97.77	146.3	275.1	356.8	323.0	317.8	246.6	137.1	50- 55	106.7	653.0	66.4,65.3
60	68.11	107.2	260.3	328.8	270.3	290.7	241.0	103.7	55- 60	104.2	757.2	77,75.7
65	40.08	68.12	196.4	288.7	203.5	251.9	183.9	67.93	60- 65	92.98	850.2	86.5,85
70	21.51	37.35	132.6	214.2	119.7	189.6	126.8	38.56	65- 70	70.76	921.0	93.7,92.1
75	5.473	18.23	68.73	111.6	33.17	104.8	69.71	18.82	70- 75	43.73	964.7	98.1,96.5
80	1.770	3.571	0	20.50	6.434	25.02	0	3.738	75- 80	16.92	981.6	99.9,98.2
85	0.4119	0	0	0	0.8226	0	0	0	80- 85	1.321	982.9	100,98.3
90	0.4868	0	0	0	0.2009	0	0	0	85- 90	0.0552	983.0	100,98.3
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:22DEG
 Operators:ROMAN
 Test Date:2020-02-24

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

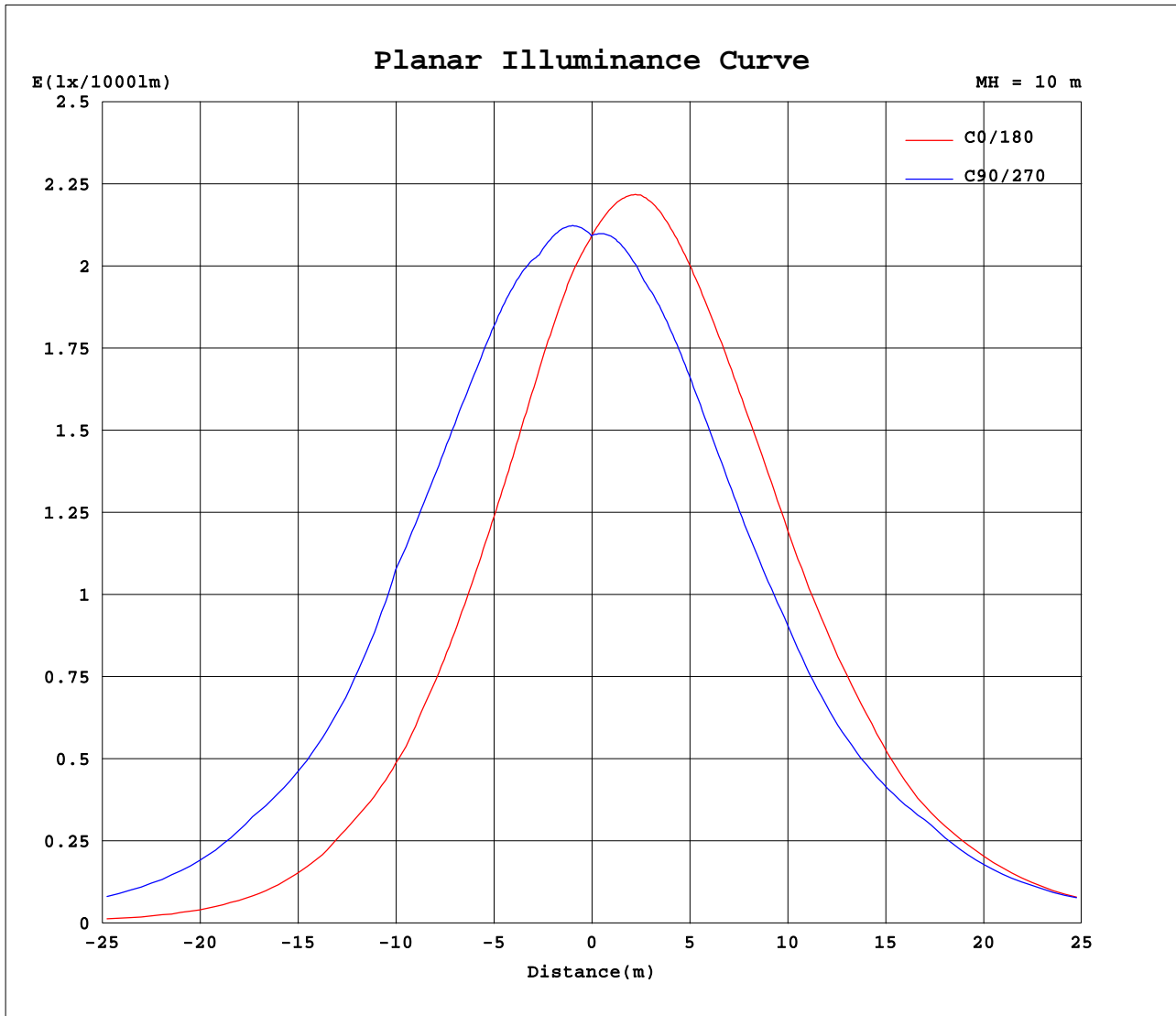
Test:U:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	SERIAL No.:
MFR.: LED MARKET SRL	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 22DEG
 Operators: ROMAN
 Test Date: 2020-02-24

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: 22DEG
 Operators: ROMAN
 Test Date: 2020-02-24

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:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	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	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
5	202	202	203	203	204	204	205	206	206	207	208	209	210	211	211	212	213	214	215
10	194	195	196	197	198	200	201	202	204	205	207	208	210	212	213	215	217	218	220
15	187	188	190	191	193	195	197	199	201	203	206	208	210	213	215	218	220	223	226
20	181	182	184	186	188	191	193	196	199	202	205	209	213	218	222	226	230	234	238
25	175	176	179	181	184	186	190	193	198	202	207	213	218	223	229	234	240	245	250
30	169	171	173	175	178	182	186	190	196	202	208	215	222	229	236	243	249	256	262
35	161	163	165	168	171	175	180	185	192	199	207	216	224	232	241	250	259	268	277
40	152	153	155	158	162	166	171	177	185	193	202	211	222	233	245	256	268	279	291
45	138	139	142	146	149	154	159	167	173	181	191	203	217	232	247	262	276	291	305
50	124	125	127	130	132	136	142	148	155	165	178	193	207	221	236	251	264	279	290
55	97.8	97.9	101	103	107	114	116	123	135	146	154	165	181	198	216	235	250	266	275
60	68.1	67.5	70.2	71.3	74.8	77.9	83.1	93.5	102	107	118	134	152	175	195	218	237	255	260
65	40.1	39.3	40.5	43.0	45.1	46.7	50.8	56.5	62.0	68.1	80.4	100	117	135	150	166	179	193	196
70	21.5	20.7	21.5	21.9	23.4	24.6	26.7	28.5	30.7	37.3	46.5	59.2	70.1	81.7	93.8	106	117	129	133
75	5.47	5.36	5.83	6.90	9.02	9.67	10.3	13.2	15.7	18.2	20.7	24.2	27.0	30.5	39.5	47.8	54.8	66.2	68.7
80	1.77	1.76	1.88	2.07	2.51	3.33	3.73	4.19	3.69	3.57	3.40	3.33	3.30	3.37	3.63	2.88	1.56	0.49	0.00
85	0.41	0.53	0.66	0.76	0.64	0.31	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	0.49	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:22DEG
 Operators:ROMAN
 Test Date:2020-02-24

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:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	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	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
5	220	220	220	220	219	219	219	218	218	217	216	216	215	214	213	213	212	211	210
10	232	232	232	231	231	230	229	228	227	225	224	223	221	219	218	216	214	213	211
15	245	245	244	243	242	241	239	238	236	234	232	230	227	225	222	219	217	214	212
20	259	258	257	255	253	251	249	247	245	244	242	240	237	234	231	227	224	220	217
25	274	273	271	269	266	263	261	260	258	256	254	251	248	244	239	235	231	226	222
30	290	288	286	282	280	279	277	275	272	270	267	263	259	254	248	243	237	232	227
35	307	304	300	297	295	294	292	289	287	283	279	275	270	264	257	251	244	238	231
40	321	317	313	311	309	307	304	302	299	296	292	287	281	274	267	259	251	243	236
45	331	327	323	320	318	316	313	311	309	306	303	298	292	285	276	267	258	249	239
50	332	328	325	323	322	319	318	317	316	315	310	302	294	284	273	263	252	242	232
55	318	314	315	315	314	315	317	318	311	306	301	296	289	280	270	258	247	235	222
60	269	269	273	279	286	301	294	291	292	291	290	288	284	276	266	254	241	227	213
65	206	210	214	226	233	237	246	252	266	270	263	255	243	227	211	197	184	172	161
70	125	130	140	147	155	163	184	190	196	199	201	200	188	169	152	138	127	116	107
75	40.8	48.3	57.9	61.5	77.4	88.5	94.6	105	115	125	137	144	134	111	93.3	79.5	69.7	60.0	53.9
80	7.42	8.91	9.34	16.1	25.2	23.6	16.7	25.0	34.9	36.2	32.9	25.9	15.7	7.35	2.75	0.59	0.00	0.44	1.55
85	1.71	2.20	2.07	1.36	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:22DEG
 Operators:ROMAN
 Test Date:2020-02-24

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:221.8V I:0.4770A P:103.5W PF:0.9770 Lamp Flux:13113.1x1 lm		
NAME: STREET LIGHT 18M(M) FUSION 2 ,100W 4000K	TYPE:100W	WEIGHT:1.5
DIM.:	SPEC.:4000K	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	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209				
5	209	209	208	207	207	206	205	205	204	204	203	203	202	202	202				
10	210	208	207	205	204	203	202	200	199	198	197	197	196	195	195				
15	210	207	205	203	201	200	198	196	195	193	192	191	190	189	188				
20	213	210	207	203	200	197	195	193	190	189	187	185	184	183	182				
25	218	213	209	205	201	197	193	190	187	184	182	180	178	177	176				
30	222	216	211	205	200	195	190	186	182	179	176	174	172	170	169				
35	225	218	211	204	198	192	186	180	175	171	168	166	164	162	162				
40	227	219	210	202	193	185	179	173	167	162	159	156	154	153	152				
45	230	219	208	197	186	176	168	161	157	152	146	144	143	140	138				
50	221	210	199	188	177	164	154	146	140	136	132	129	128	126	124				
55	209	195	181	166	153	144	137	127	119	113	112	106	103	101	98.1				
60	197	180	162	142	126	114	104	98.5	91.9	83.5	78.2	75.7	72.3	71.0	67.9				
65	151	139	125	111	97.8	80.9	67.9	62.3	57.7	51.9	47.7	45.9	43.8	41.1	39.7				
70	98.3	87.7	75.9	67.1	59.3	48.9	38.6	31.9	29.8	27.6	25.2	23.9	22.7	22.5	21.6				
75	46.3	37.9	29.4	26.4	24.7	21.7	18.8	16.6	14.1	10.9	10.1	9.80	7.77	6.26	5.70				
80	2.80	3.58	3.38	3.32	3.40	3.49	3.74	4.25	4.78	4.29	3.75	2.95	2.46	2.17	1.98				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.84	0.97	0.84	0.70				
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:22DEG
 Operators:ROMAN
 Test Date:2020-02-24

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: