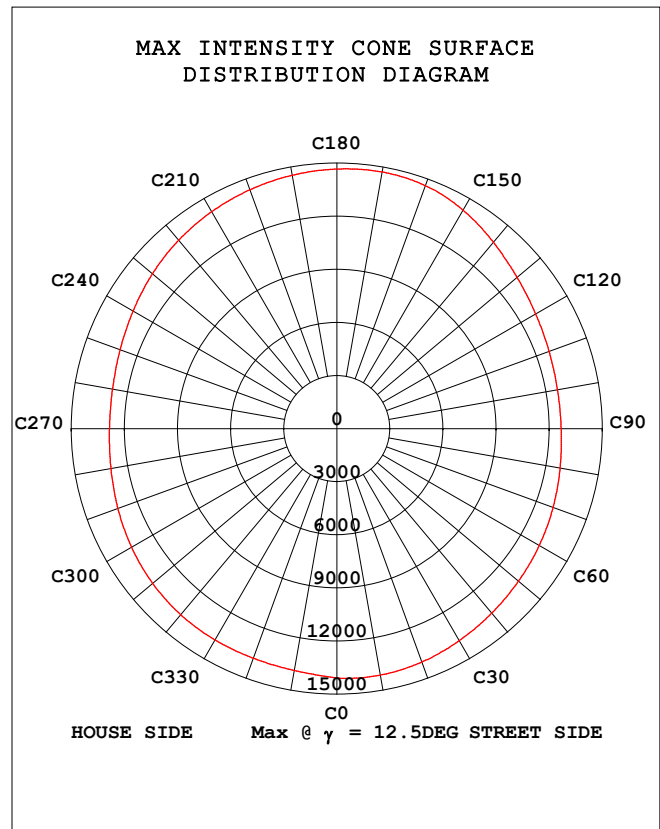
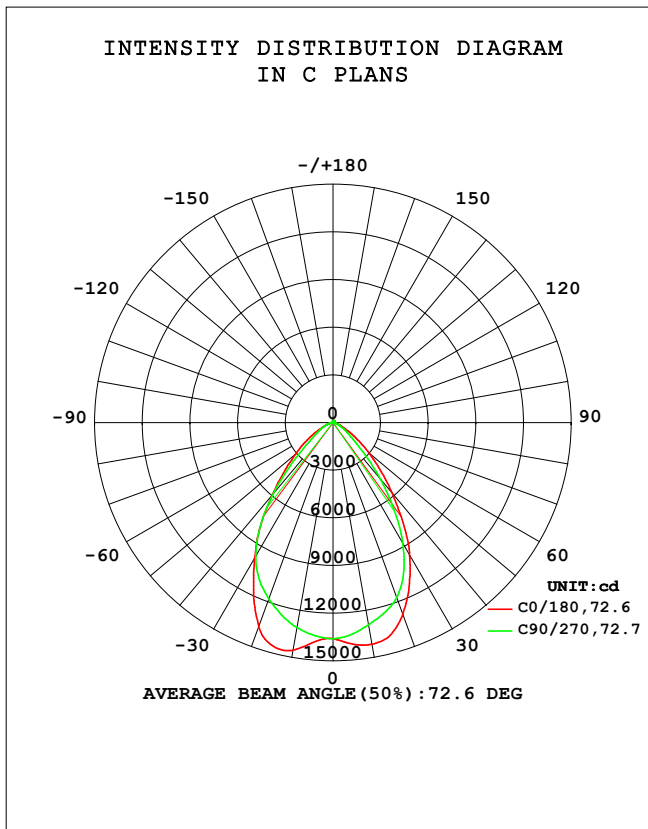


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.53 lm/W			
MODEL		Imax(cd)	14664	η street_up(%)	0.6
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	47.6
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	21140	η house_up(%)	0.6
NOMINAL FLUX(lm)	21140	MAXIMUM @ (C, γ)	180,12.5	η house_down(%)	51.2
LAMPS INSIDE	1	η up(%)	1.2	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	η down(%)	98.8	SLI	

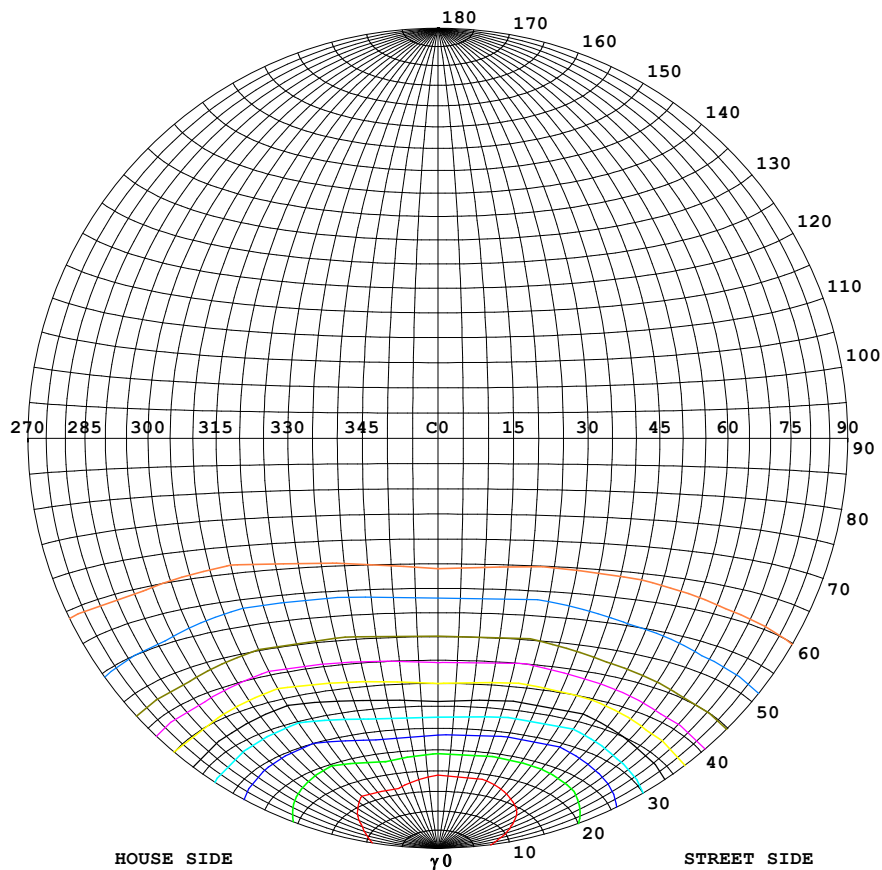


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



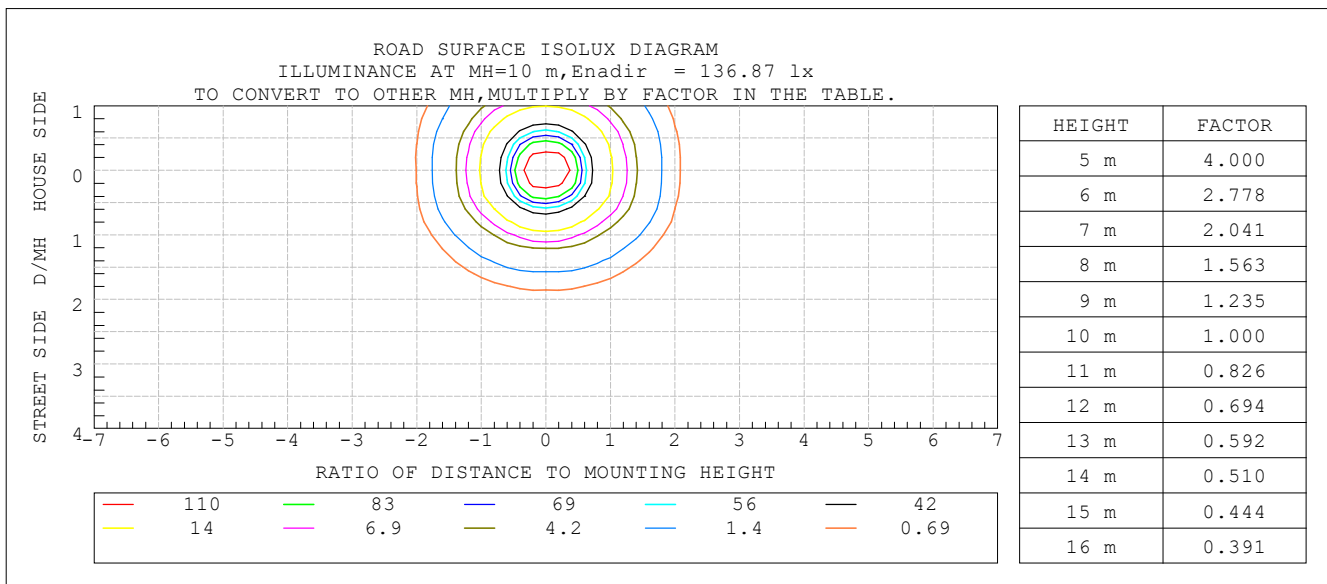
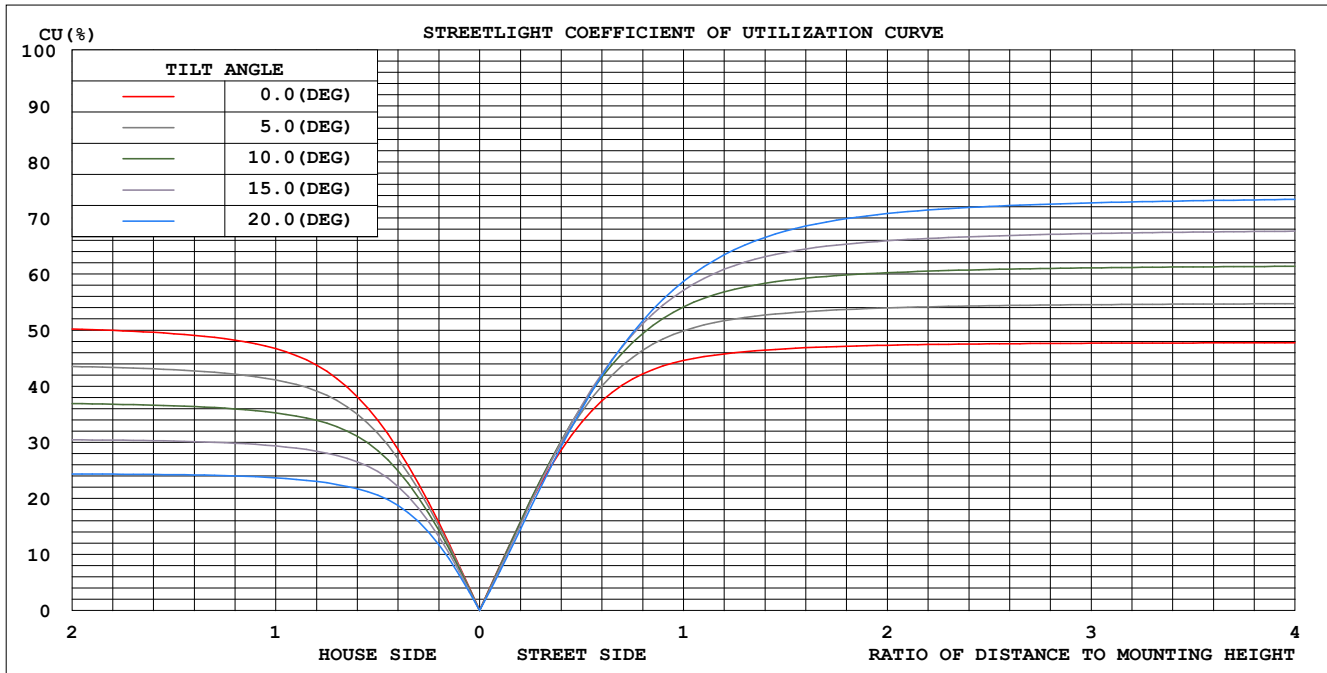
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:6.145cd/klm
Max.At90:0.1962cd/klm
Max.80-90:6.145cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	14664
90%	13197
80%	11731
70%	10265
60%	8798
50%	7332
40%	5866
30%	4399
20%	2933
10%	1466
5%	733

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-04-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

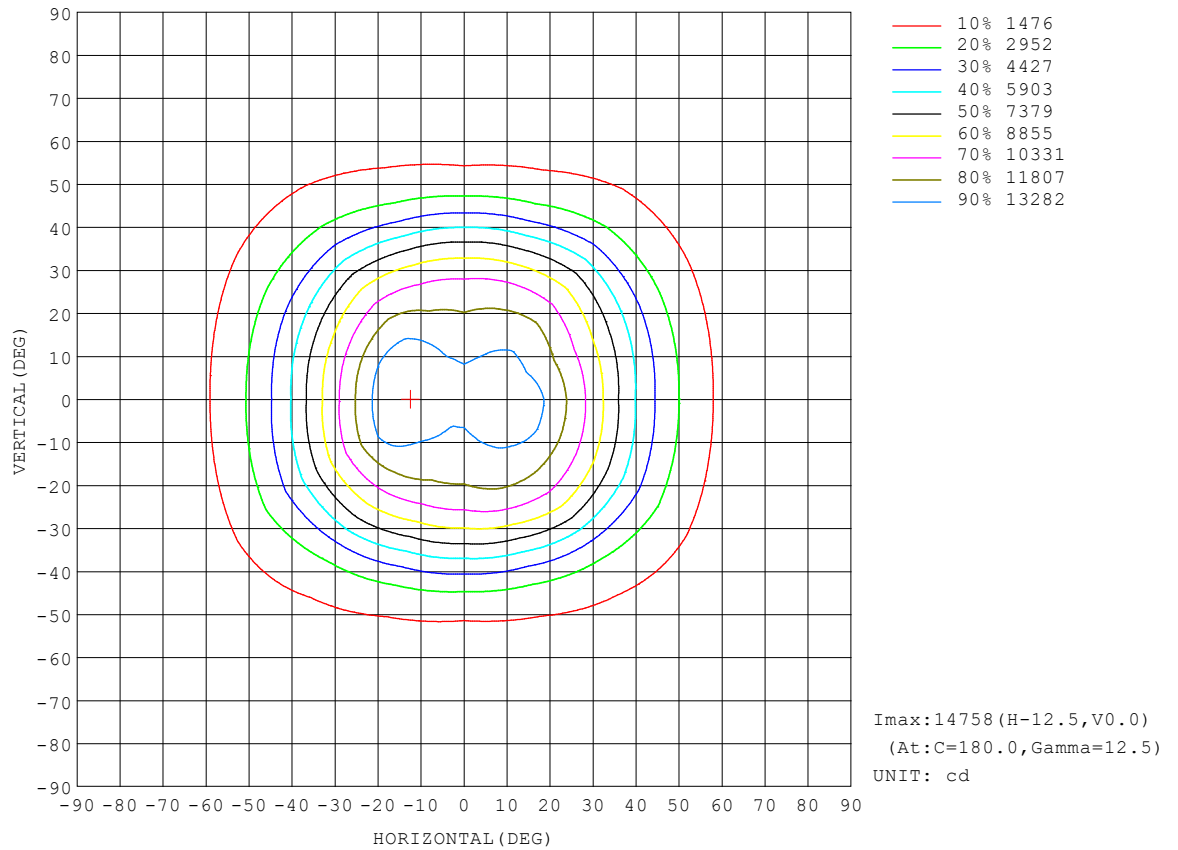
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1416	1371	1292	1365	1454	1375	1310	1376	0- 10	1307	1307	6.18,6.18
20	1285	1248	1172	1258	1366	1311	1181	1288	10- 20	3762	5070	24,24
30	966.0	993.1	880.1	986.1	987.0	1027	974.1	1037	20- 30	5207	10277	48.6,48.6
40	580.5	572.1	466.2	587.3	595.1	656.9	587.3	678.0	30- 40	4918	15195	71.9,71.9
50	293.3	229.6	167.1	239.3	307.5	298.2	218.6	300.4	40- 50	3125	18320	86.7,86.7
60	116.2	100.5	72.06	106.6	132.9	133.8	95.41	129.0	50- 60	1572	19892	94.1,94.1
70	38.79	35.17	27.69	38.56	45.14	55.58	46.99	52.09	60- 70	720.3	20612	97.5,97.5
80	8.532	4.158	1.002	5.038	12.04	12.74	12.38	11.15	70- 80	243.0	20855	98.7,98.7
90	0.4148	0.4043	0.3421	0.3896	0.3363	0.3402	0.3007	0.3442	80- 90	29.94	20885	98.8,98.8
100	0.9320	0.8891	0.7449	0.8810	0.7717	0.6535	0.5167	0.6868	90-100	5.734	20891	98.8,98.8
110	1.918	1.824	1.624	1.861	1.656	1.460	1.200	1.507	100-110	12.12	20903	98.9,98.9
120	3.489	3.262	3.083	3.352	3.133	2.797	2.475	2.843	110-120	22.72	20926	99,99
130	5.479	5.105	4.979	5.253	5.066	4.599	4.294	4.671	120-130	35.43	20961	99.2,99.2
140	7.440	7.019	7.003	7.162	7.107	6.476	6.309	6.615	130-140	45.54	21006	99.4,99.4
150	9.104	8.793	8.848	8.829	8.812	8.154	8.285	8.418	140-150	48.68	21055	99.6,99.6
160	10.30	10.16	10.13	10.24	10.17	9.713	9.794	9.820	150-160	43.20	21098	99.8,99.8
170	11.69	11.29	11.53	11.52	11.60	11.28	11.48	11.24	160-170	30.23	21129	99.9,99.9
180	12.95	12.58	13.06	12.69	12.95	12.58	13.10	12.68	170-180	11.40	21140	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

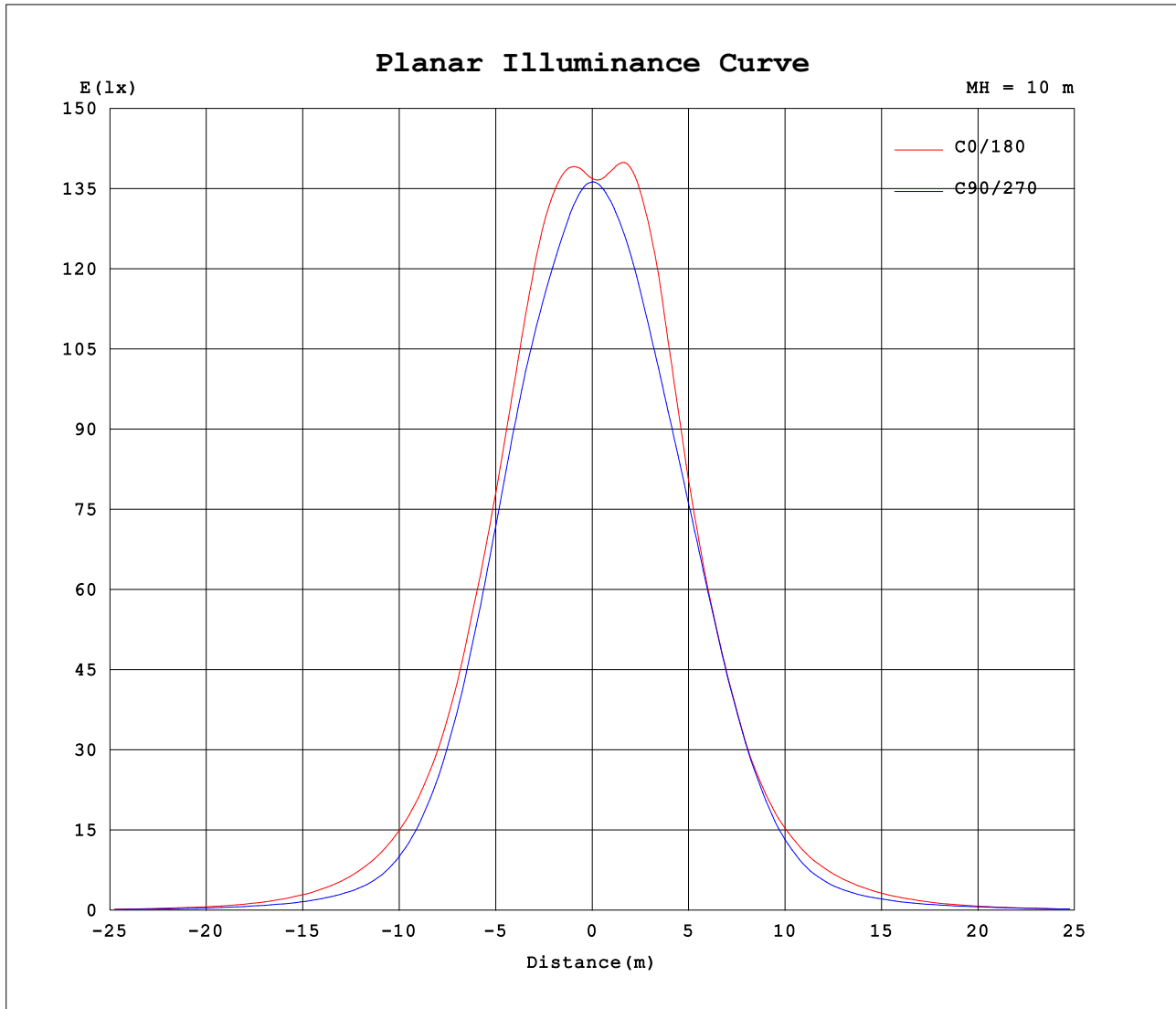
Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



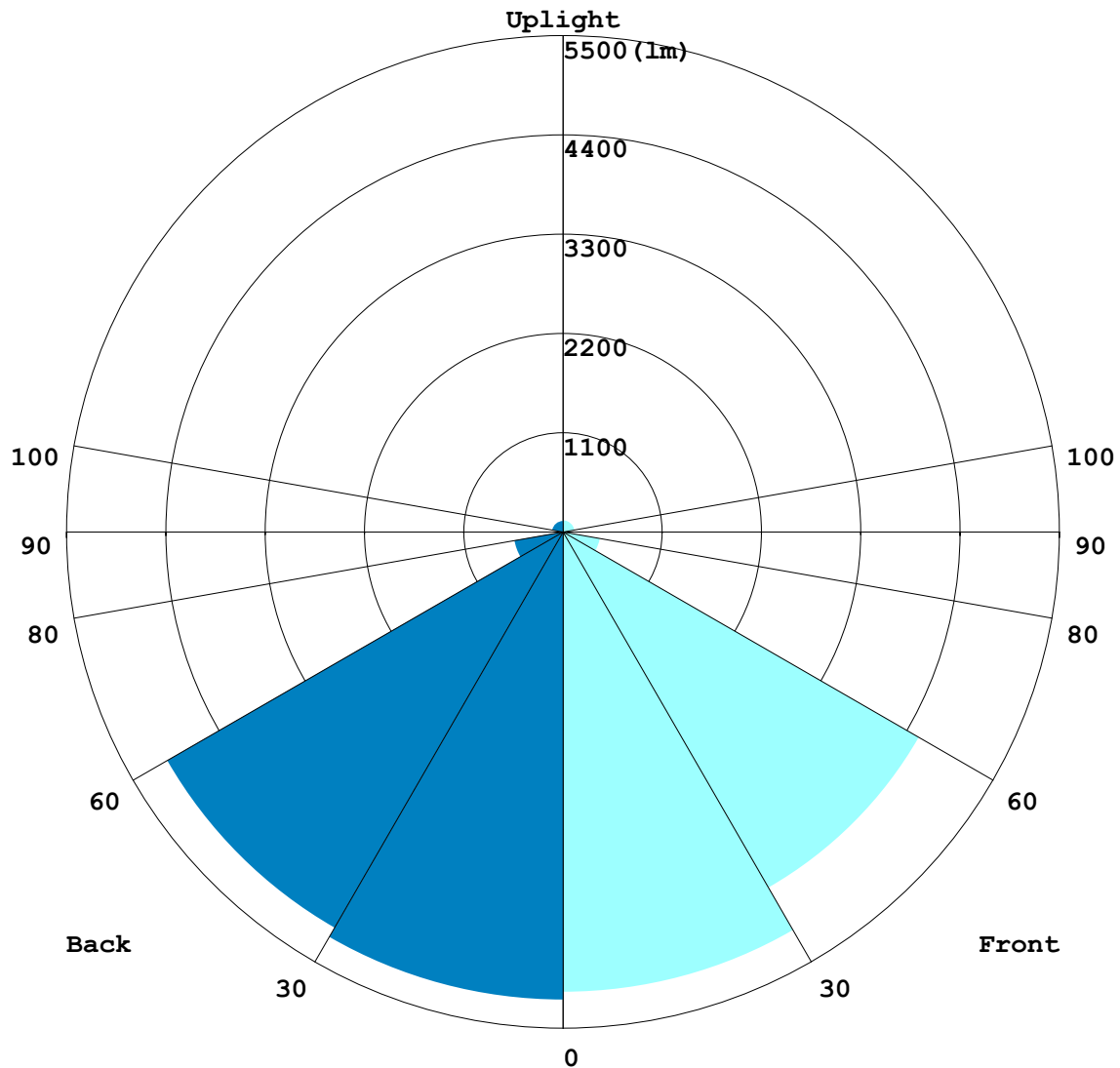
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5093.9	24.1
FM - Front-Medium(30-60)	4550.5	21.5
FH - Front-High(60-80)	415.64	2.0
FVH - Front-Very High(80-90)	7.5576	0.0
Total Forward Light	10200	48.3

BL - Back-Low(0-30)	5182.7	24.5
BM - Back-Medium(30-60)	5064.6	24.0
BH - Back-High(60-80)	547.64	2.6
BVH - Back-Very High(80-90)	22.383	0.1
Total Back Light	10940	51.7

UL - Uplight-Low(90-100)	5.7345	0.0
UH - Uplight-High(100-180)	249.32	1.2
Total Up Light	255.06	1.2

BUG (Back,Up,Glare) Rating	B5-U3-G1
----------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10817	122.5	10940
Street Side	10068	132.56	10200

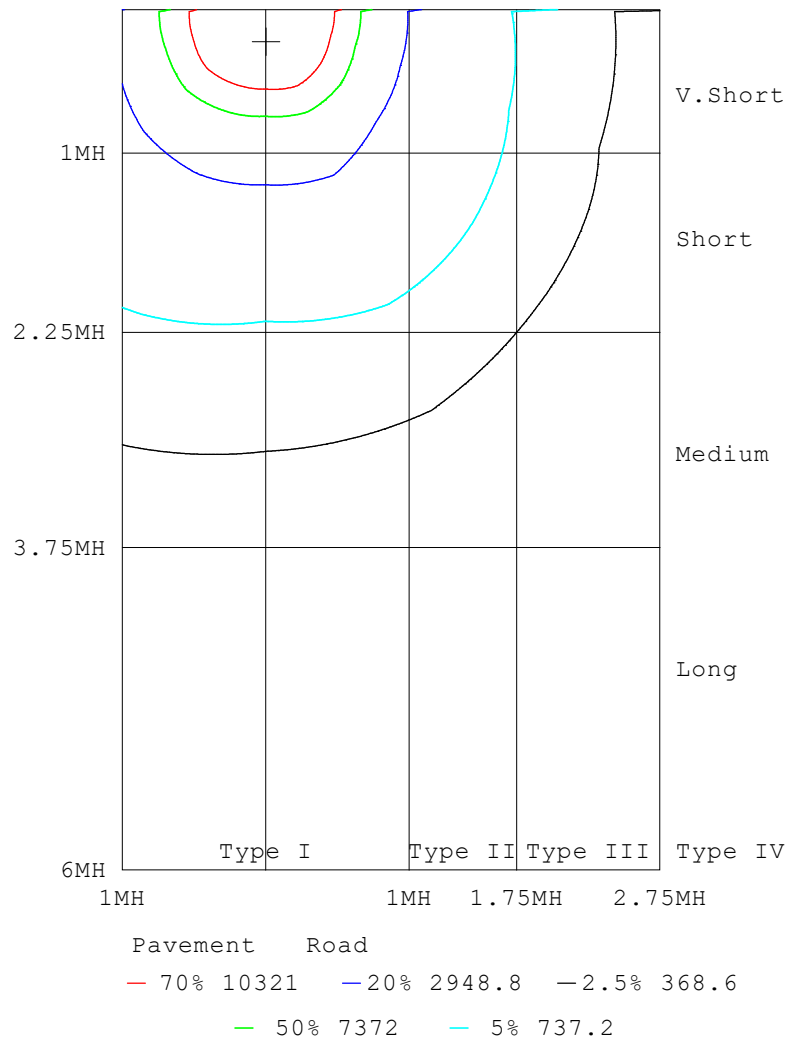
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz Lamp Flux:21140x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.90V I:1.2505A P:148.32W PF:0.9975 Freq:60.00Hz									
Lamp Flux:21140x1 lm									
NAME:					TYPE:				
SPEC.:					DIM.:				
MFR.:					SUR.:				
					WEIGHT:				
					SERIAL No.:				
					Shielding Angle:				

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360			
5	1398	1394	1377	1354	1338	1344	1363	1381	1387	1381	1363	1348	1345	1355	1374	1386			
10	1416	1409	1371	1328	1292	1306	1365	1438	1454	1427	1375	1325	1310	1338	1376	1392			
15	1388	1377	1323	1283	1242	1255	1325	1457	1457	1422	1368	1286	1253	1300	1350	1356			
20	1285	1282	1248	1221	1172	1188	1258	1398	1366	1355	1311	1212	1181	1229	1288	1265			
25	1135	1143	1136	1105	1050	1070	1144	1236	1183	1190	1187	1111	1095	1134	1175	1132			
30	966	987	993	925	880	901	986	1045	987	1002	1027	986	974	1005	1037	982			
35	770	806	802	707	674	699	802	856	799	820	857	809	798	825	878	816			
40	580	612	572	485	466	488	587	650	595	621	657	591	587	606	678	632			
45	421	438	368	303	285	311	382	474	432	453	456	387	374	392	470	458			
50	293	298	230	184	167	190	239	330	307	318	298	240	219	238	300	311			
55	194	195	150	121	108	125	158	222	212	219	196	158	139	154	194	206			
60	116	123	100	80.7	72.1	82.9	107	141	133	144	134	108	95.4	104	129	132			
65	65.1	71.6	64.3	50.8	46.3	52.2	68.8	82.2	75.8	86.6	89.7	73.3	68.0	70.0	85.5	78.8			
70	38.8	40.8	35.2	29.1	27.7	30.4	38.6	45.6	45.1	49.8	55.6	48.1	47.0	45.7	52.1	45.7			
75	21.1	21.1	14.9	12.4	11.6	13.3	16.8	24.3	26.2	27.9	28.8	28.1	28.3	26.4	26.4	24.6			
80	8.53	7.41	4.16	1.73	1.00	2.09	5.04	9.24	12.0	13.0	12.7	12.7	12.4	11.5	11.1	10.6			
85	1.79	1.28	0.44	0.26	0.24	0.25	0.53	1.81	3.44	3.57	3.52	3.12	2.98	2.63	2.75	2.50			
90	0.41	0.41	0.40	0.36	0.34	0.35	0.39	0.38	0.34	0.35	0.34	0.31	0.30	0.32	0.34	0.39			
95	0.63	0.63	0.60	0.53	0.50	0.52	0.59	0.57	0.51	0.50	0.44	0.37	0.35	0.38	0.46	0.56			
100	0.93	0.92	0.89	0.78	0.74	0.77	0.88	0.85	0.77	0.74	0.65	0.56	0.52	0.57	0.69	0.85			
105	1.35	1.33	1.29	1.16	1.11	1.15	1.30	1.25	1.15	1.10	0.99	0.86	0.79	0.87	1.03	1.26			
110	1.92	1.88	1.82	1.67	1.62	1.68	1.86	1.78	1.66	1.60	1.46	1.29	1.20	1.31	1.51	1.81			
115	2.63	2.56	2.48	2.33	2.28	2.35	2.54	2.45	2.32	2.25	2.07	1.88	1.76	1.90	2.11	2.51			
120	3.49	3.38	3.26	3.12	3.08	3.15	3.35	3.25	3.13	3.02	2.80	2.60	2.47	2.63	2.84	3.34			
125	4.46	4.31	4.15	4.01	3.99	4.04	4.27	4.16	4.06	3.91	3.65	3.45	3.34	3.49	3.71	4.29			
130	5.48	5.28	5.11	4.98	4.98	4.99	5.25	5.13	5.07	4.88	4.60	4.35	4.29	4.43	4.67	5.30			
135	6.49	6.26	6.06	5.97	5.99	5.97	6.22	6.12	6.10	5.88	5.56	5.28	5.31	5.41	5.66	6.28			
140	7.44	7.23	7.02	6.94	7.00	6.95	7.16	7.09	7.11	6.88	6.48	6.20	6.31	6.40	6.61	7.22			
145	8.32	8.19	7.94	7.87	7.97	7.88	8.04	8.00	8.02	7.81	7.33	7.12	7.31	7.39	7.55	8.06			
150	9.10	9.05	8.79	8.77	8.85	8.74	8.83	8.83	8.81	8.59	8.15	8.01	8.29	8.34	8.42	8.83			
155	9.71	9.79	9.55	9.57	9.57	9.47	9.55	9.54	9.47	9.32	8.94	8.83	9.10	9.14	9.16	9.51			
160	10.3	10.4	10.2	10.2	10.1	10.2	10.2	10.1	10.2	10.1	9.71	9.62	9.79	9.81	9.82	10.2			
165	10.9	11.0	10.7	10.8	10.8	10.9	10.9	10.7	10.8	10.7	10.5	10.5	10.5	10.5	10.5	10.9			
170	11.7	11.6	11.3	11.3	11.5	11.6	11.5	11.3	11.6	11.3	11.3	11.4	11.5	11.3	11.2	11.6			
175	12.4	12.3	12.1	12.0	12.4	12.4	12.2	12.0	12.4	12.1	12.1	12.3	12.4	12.1	12.1	12.4			
180	13.0	12.7	12.6	12.7	13.1	12.8	12.7	12.7	12.9	12.7	12.6	12.7	13.1	12.8	12.7	12.7			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks: