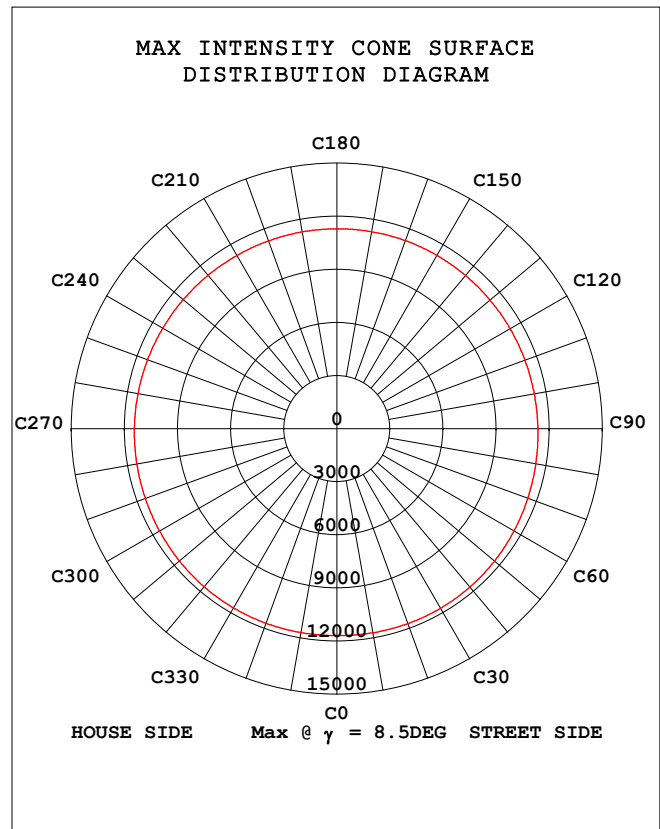
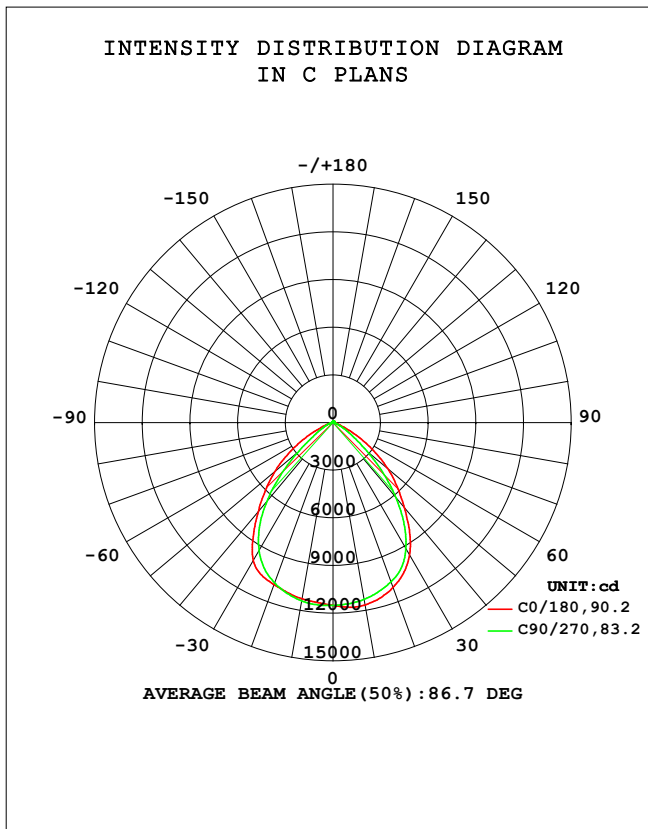


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.90V I:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.60 lm/W			
MODEL		Imax(cd)	11721	η street_up(%)	0.6
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	49.3
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	22283	η house_up(%)	0.6
NOMINAL FLUX(lm)	22282.7	MAXIMUM @ (C, γ)	23,8.5	η house_down(%)	49.5
LAMPS INSIDE	1	η up(%)	1.2	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	η down(%)	98.8	SLI	

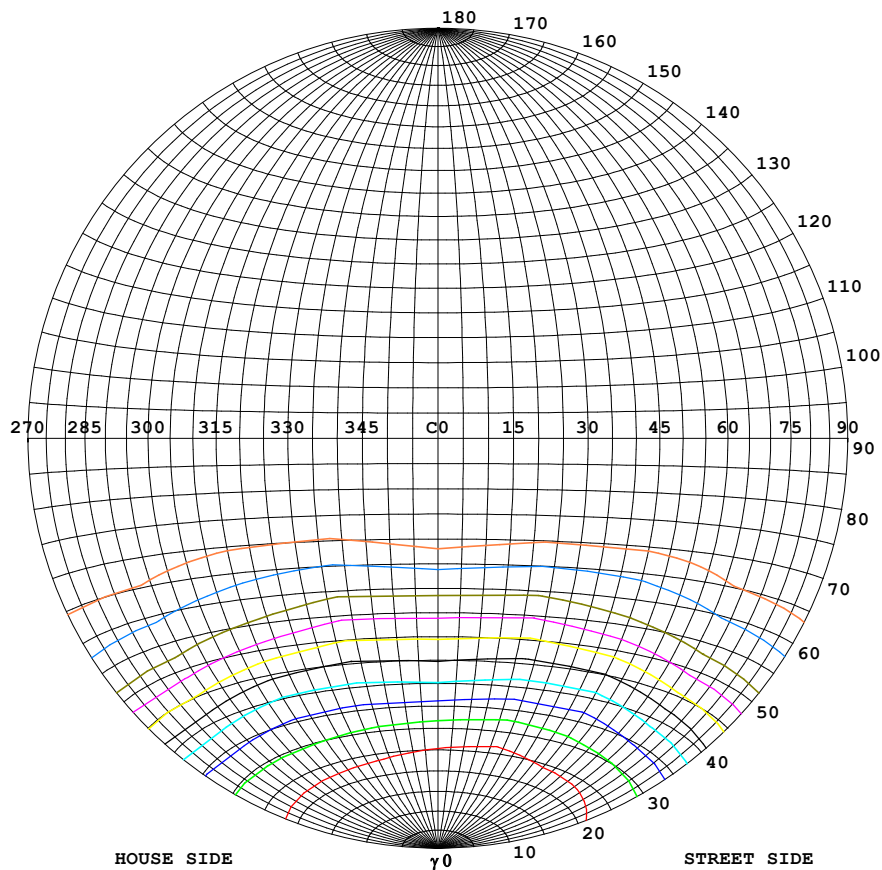


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

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:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



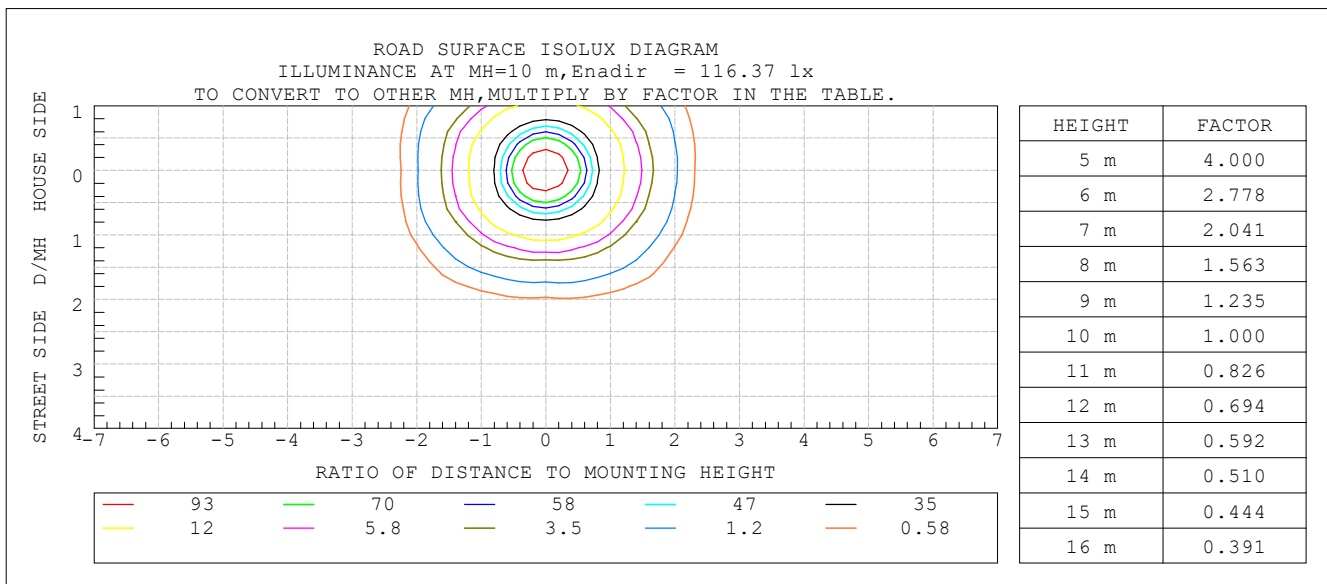
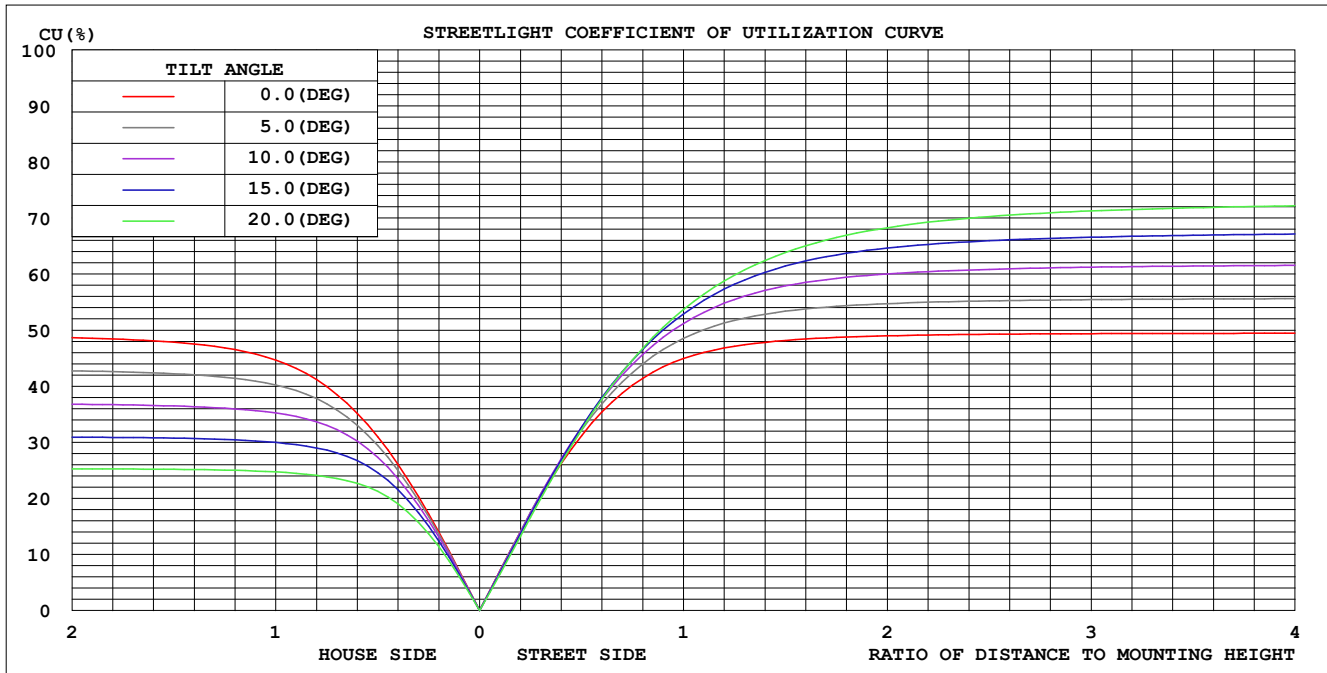
Classification:

IES:Type VS - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:5.812cd/klm
Max.At90:0.2569cd/klm
Max.80-90:5.812cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	11721
90%	10549
80%	9377
70%	8205
60%	7033
50%	5861
40%	4689
30%	3516
20%	2344
10%	1172
5%	586

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:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

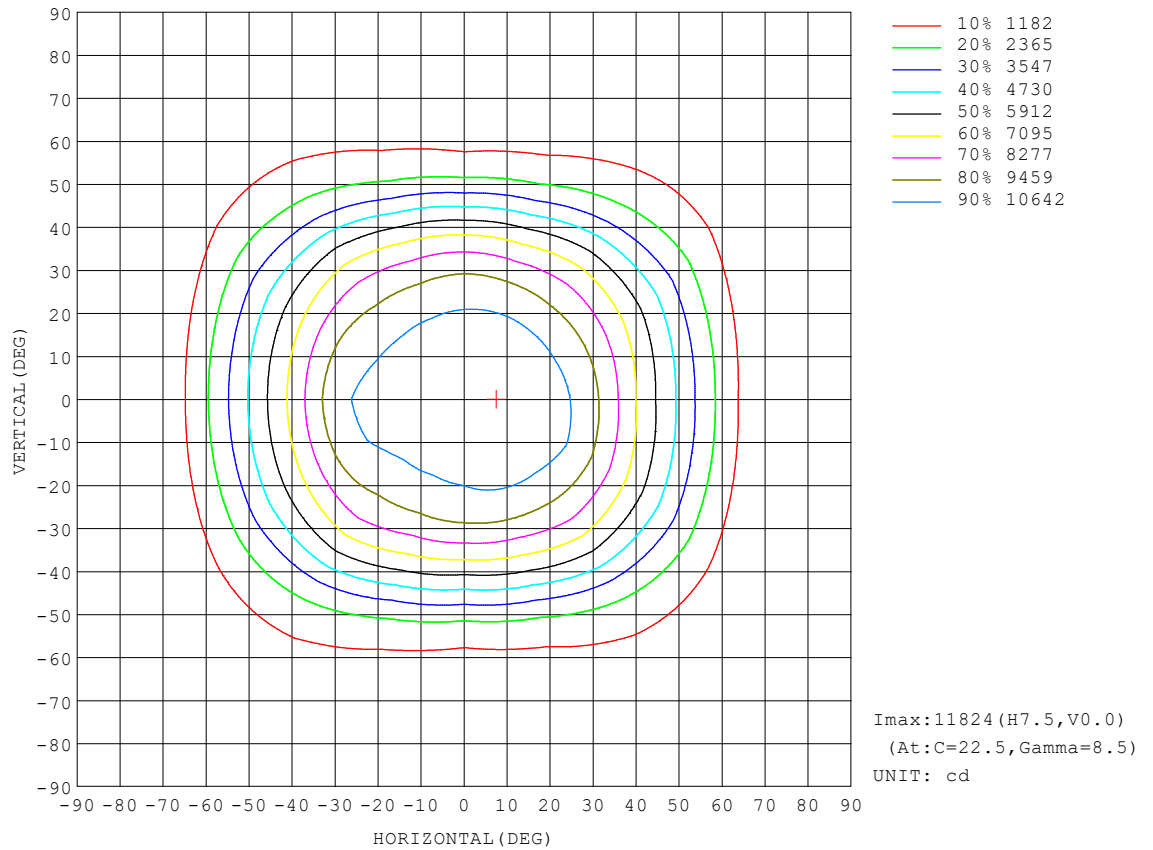
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1166	1166	1130	1127	1126	1129	1139	1163	0- 10	1096	1096	4.92,4.92
20	1105	1106	1067	1070	1086	1064	1075	1098	10- 20	3166	4262	19.1,19.1
30	963.5	959.9	916.6	949.6	1004	934.4	931.0	941.5	20- 30	4737	8999	40.4,40.4
40	700.2	736.3	618.5	741.7	731.6	727.8	647.5	716.4	30- 40	5211	14210	63.8,63.8
50	447.8	422.1	279.4	428.4	475.2	420.4	282.8	393.2	40- 50	4218	18428	82.7,82.7
60	196.3	166.8	91.46	174.2	221.1	170.7	91.03	151.8	50- 60	2361	20789	93.3,93.3
70	41.96	50.67	23.98	56.19	50.43	63.81	35.84	54.07	60- 70	948.7	21738	97.6,97.6
80	7.603	3.984	0.7741	5.501	10.45	10.82	9.265	9.578	70- 80	251.4	21989	98.7,98.7
90	0.5724	0.4752	0.3206	0.4409	0.4635	0.4532	0.3326	0.4559	80- 90	27.00	22016	98.8,98.8
100	1.341	1.114	0.8032	1.059	1.112	1.001	0.7030	1.018	90-100	7.466	22024	98.8,98.8
110	2.600	2.207	1.795	2.145	2.266	2.079	1.675	2.100	100-110	16.02	22040	98.9,98.9
120	4.262	3.671	3.278	3.641	3.886	3.557	3.164	3.560	110-120	28.03	22068	99,99
130	5.989	5.308	5.030	5.353	5.640	5.201	4.932	5.229	120-130	39.95	22108	99.2,99.2
140	7.514	6.896	6.723	6.922	7.280	6.726	6.655	6.810	130-140	47.28	22155	99.4,99.4
150	8.778	8.364	8.176	8.233	8.580	8.044	8.139	8.208	140-150	47.77	22203	99.6,99.6
160	9.786	9.541	9.290	9.402	9.693	9.350	9.363	9.387	150-160	41.02	22244	99.8,99.8
170	10.97	10.50	10.59	10.51	10.85	10.64	10.83	10.56	160-170	28.39	22272	100,100
180	11.86	11.62	12.01	11.60	11.89	11.64	12.04	11.62	170-180	10.57	22283	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

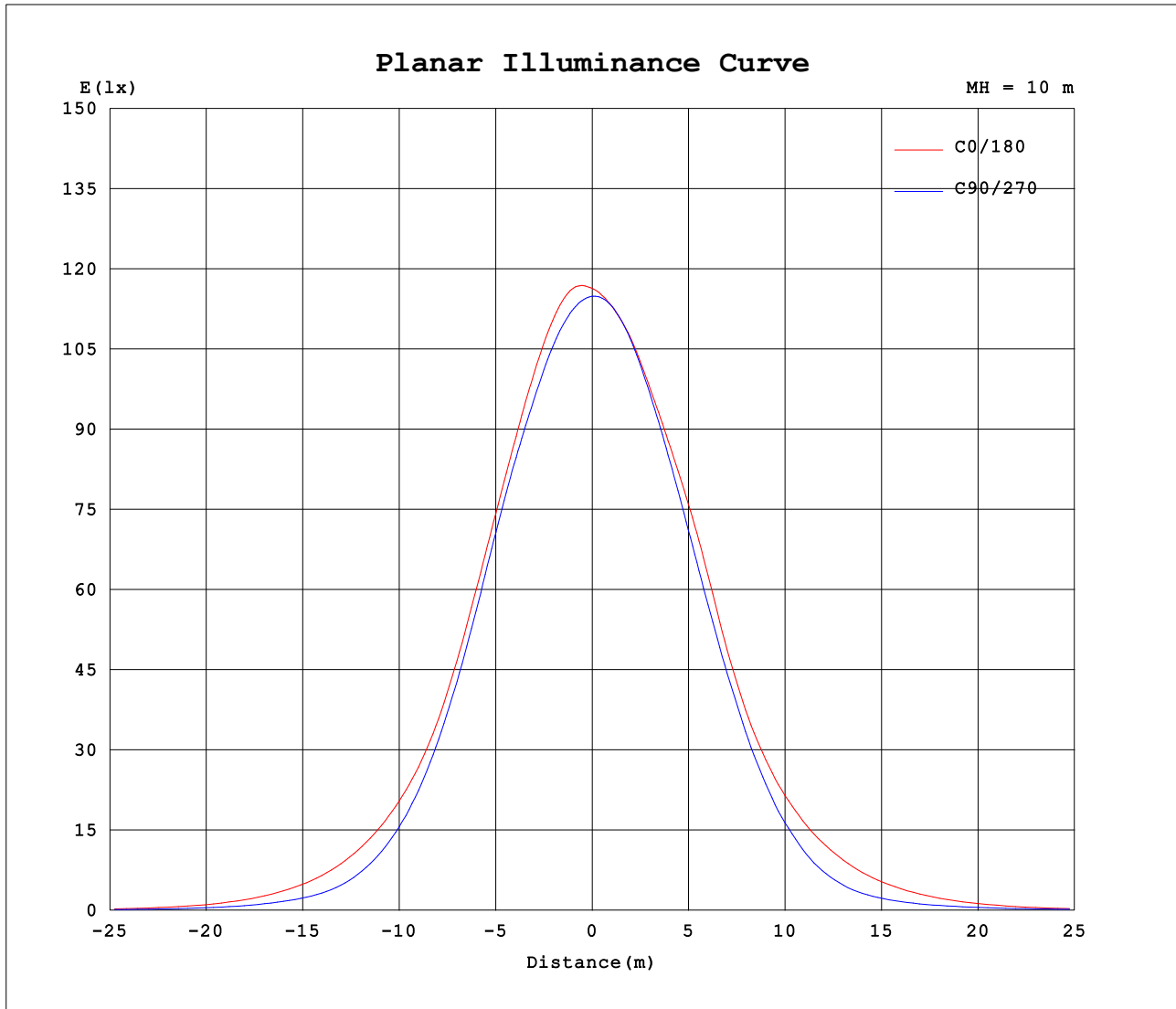
Test:U:118.90V I:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



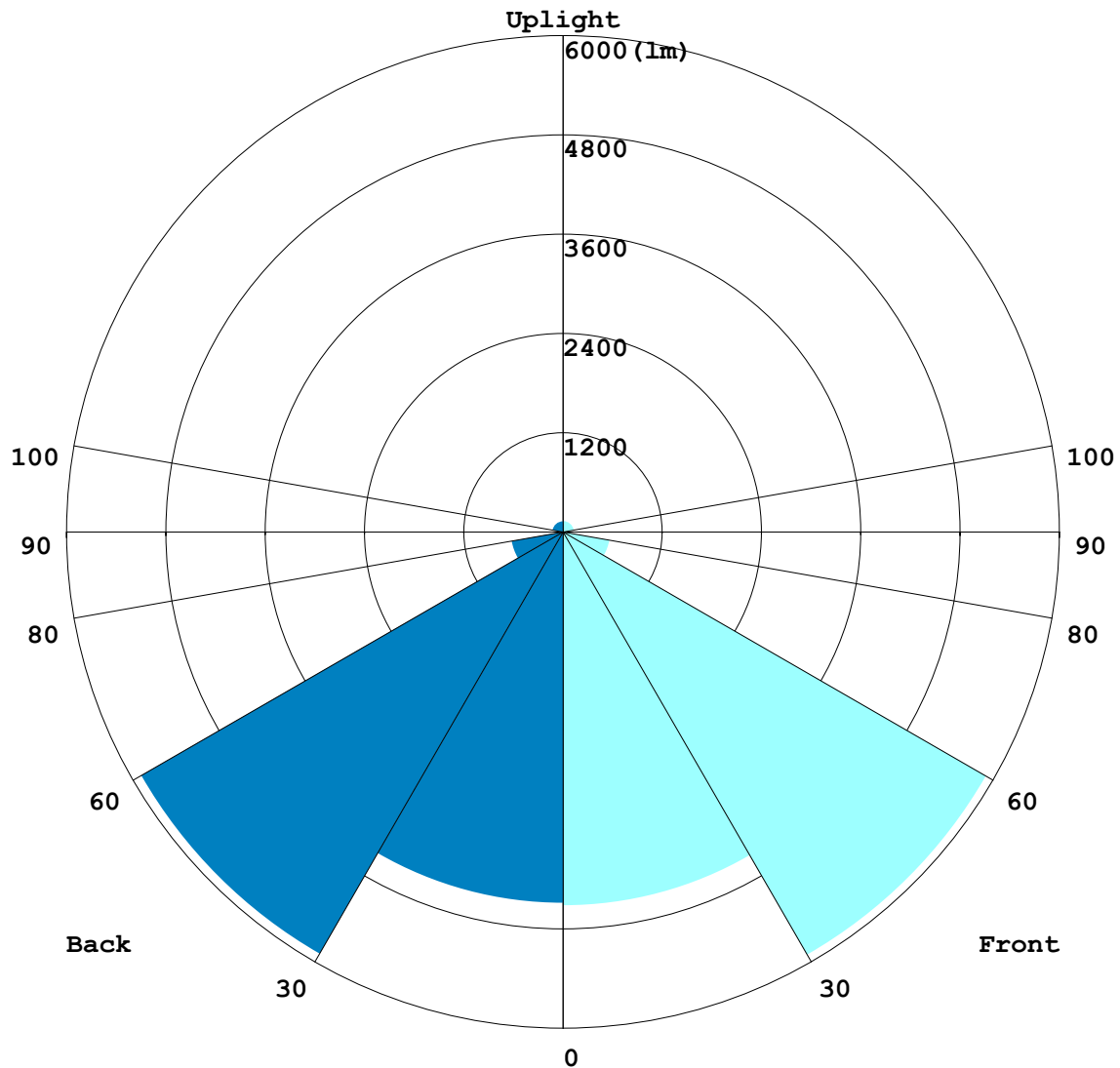
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-21

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:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 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:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 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)	4513.8	20.3
FM - Front-Medium(30-60)	5902.2	26.5
FH - Front-High(60-80)	571.42	2.6
FVH - Front-Very High(80-90)	7.5728	0.0
Total Forward Light	11130	49.9

BL - Back-Low(0-30)	4484.8	20.1
BM - Back-Medium(30-60)	5888.3	26.4
BH - Back-High(60-80)	628.7	2.8
BVH - Back-Very High(80-90)	19.429	0.1
Total Back Light	11153	50.1

UL - Uplight-Low(90-100)	7.4662	0.0
UH - Uplight-High(100-180)	259.02	1.2
Total Up Light	266.49	1.2

BUG (Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11021	131.53	11153
Street Side	10995	134.96	11130

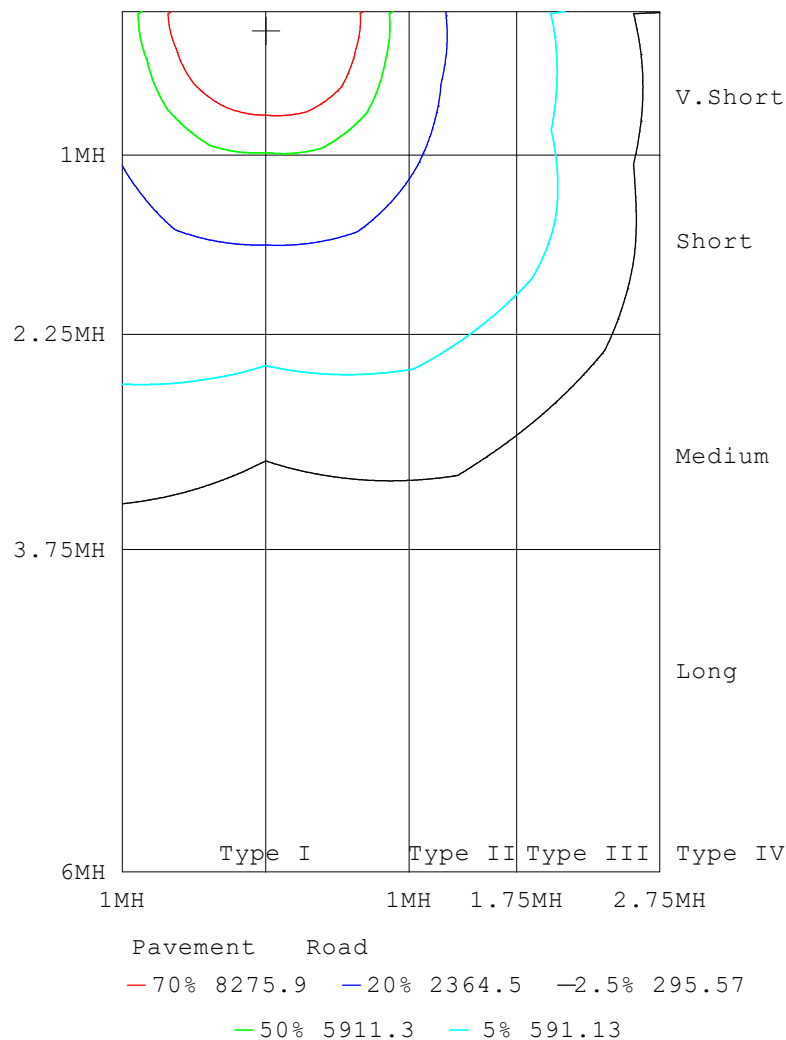
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-04-21

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:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 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:1.2642A P:149.96W PF:0.9976 Freq:60.00Hz Lamp Flux:22282.7x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						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	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151	1151			
5	1167	1166	1161	1153	1144	1140	1138	1137	1137	1138	1141	1146	1151	1157	1163	1166			
10	1166	1171	1166	1148	1130	1126	1127	1129	1126	1125	1129	1133	1139	1149	1163	1168			
15	1144	1158	1149	1126	1103	1101	1109	1118	1108	1103	1106	1107	1113	1126	1142	1146			
20	1105	1125	1106	1088	1067	1060	1070	1099	1086	1072	1064	1064	1075	1085	1098	1107			
25	1048	1069	1038	1031	1013	1005	1014	1070	1061	1034	1006	1003	1018	1022	1028	1048			
30	964	987	960	937	917	917	950	1004	1004	971	934	918	931	929	941	964			
35	842	873	863	805	782	796	864	887	877	865	845	807	809	805	842	855			
40	700	741	736	656	618	654	742	746	732	737	728	665	647	654	716	732			
45	573	609	587	489	444	491	594	612	602	608	584	493	464	479	562	605			
50	448	475	422	318	279	326	428	478	475	476	420	320	283	304	393	469			
55	318	335	269	187	159	196	276	340	345	341	273	190	155	176	248	330			
60	196	211	167	112	91.5	120	174	215	221	222	171	116	91.0	105	152	211			
65	96.8	116	102	59.9	48.2	64.1	109	121	113	130	108	68.8	56.0	61.2	94.0	122			
70	42.0	55.8	50.7	30.7	24.0	33.1	56.2	59.5	50.4	66.0	63.8	41.1	35.8	36.7	54.1	63.0			
75	19.3	24.9	19.1	11.7	8.97	12.9	22.1	27.9	23.6	31.7	29.5	22.9	21.3	20.2	25.1	29.9			
80	7.60	7.85	3.98	1.37	0.77	1.84	5.50	10.00	10.5	13.0	10.8	9.90	9.26	8.85	9.58	11.5			
85	1.66	1.21	0.43	0.25	0.21	0.23	0.60	2.01	2.97	3.19	2.99	2.42	2.19	2.11	2.49	2.74			
90	0.57	0.54	0.48	0.37	0.32	0.34	0.44	0.51	0.46	0.49	0.45	0.37	0.33	0.38	0.46	0.50			
95	0.90	0.84	0.74	0.58	0.50	0.55	0.69	0.80	0.72	0.73	0.65	0.51	0.44	0.51	0.66	0.76			
100	1.34	1.25	1.11	0.89	0.80	0.85	1.06	1.19	1.11	1.10	1.00	0.81	0.70	0.82	1.02	1.14			
105	1.91	1.78	1.61	1.34	1.23	1.30	1.55	1.70	1.62	1.62	1.48	1.26	1.12	1.26	1.50	1.67			
110	2.60	2.43	2.21	1.92	1.79	1.87	2.14	2.34	2.27	2.25	2.08	1.83	1.67	1.84	2.10	2.31			
115	3.40	3.16	2.90	2.61	2.48	2.56	2.85	3.08	3.03	3.01	2.78	2.53	2.37	2.53	2.79	3.05			
120	4.26	3.96	3.67	3.39	3.28	3.36	3.64	3.88	3.89	3.82	3.56	3.31	3.16	3.31	3.56	3.87			
125	5.14	4.80	4.49	4.25	4.14	4.21	4.50	4.73	4.76	4.65	4.38	4.15	4.03	4.17	4.40	4.71			
130	5.99	5.62	5.31	5.11	5.03	5.05	5.35	5.58	5.64	5.49	5.20	4.96	4.93	5.02	5.23	5.55			
135	6.78	6.42	6.08	5.95	5.90	5.89	6.15	6.40	6.49	6.32	5.99	5.73	5.81	5.85	6.03	6.34			
140	7.51	7.21	6.90	6.75	6.72	6.70	6.92	7.18	7.28	7.14	6.73	6.47	6.65	6.67	6.81	7.08			
145	8.18	7.98	7.67	7.51	7.48	7.43	7.63	7.89	7.97	7.86	7.39	7.17	7.43	7.45	7.55	7.73			
150	8.78	8.66	8.36	8.25	8.18	8.08	8.23	8.54	8.58	8.43	8.04	7.83	8.14	8.19	8.21	8.33			
155	9.25	9.28	8.99	8.90	8.78	8.68	8.82	9.10	9.11	9.01	8.69	8.48	8.77	8.81	8.80	8.92			
160	9.79	9.88	9.54	9.44	9.29	9.33	9.40	9.58	9.69	9.63	9.35	9.22	9.36	9.37	9.39	9.55			
165	10.3	10.4	10.0	9.98	9.92	10.01	9.98	10.06	10.2	10.2	9.99	9.99	10.1	9.96	9.97	10.2			
170	11.0	10.9	10.5	10.5	10.6	10.6	10.5	10.5	10.9	10.7	10.6	10.7	10.8	10.6	10.6	10.8			
175	11.5	11.3	11.1	11.1	11.4	11.4	11.2	11.1	11.5	11.2	11.3	11.4	11.5	11.3	11.2	11.3			
180	11.9	11.7	11.6	11.7	12.0	11.8	11.6	11.6	11.9	11.7	11.6	11.7	12.0	11.7	11.6	11.6			

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: