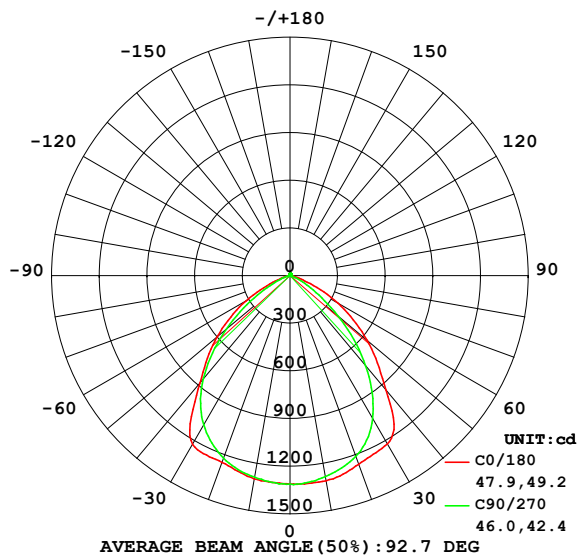
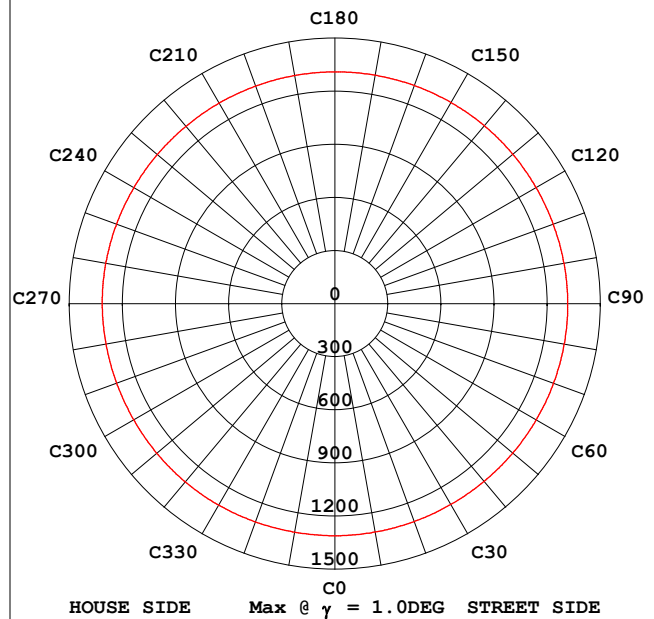


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.17 lm/W			
MODEL		I _{max} (cd)	1316	η street_up (%)	0.7
NOMINAL POWER (W)	20	LOR (%)	100.0	η street_down (%)	47.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	2834	η house_up (%)	0.6
NOMINAL FLUX (lm)	2833.99	MAXIMUM @ (C, γ)	90, 1.0	η house_down (%)	51.2
LAMPS INSIDE	1	η up (%)	1.3	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	98.7	SLI	

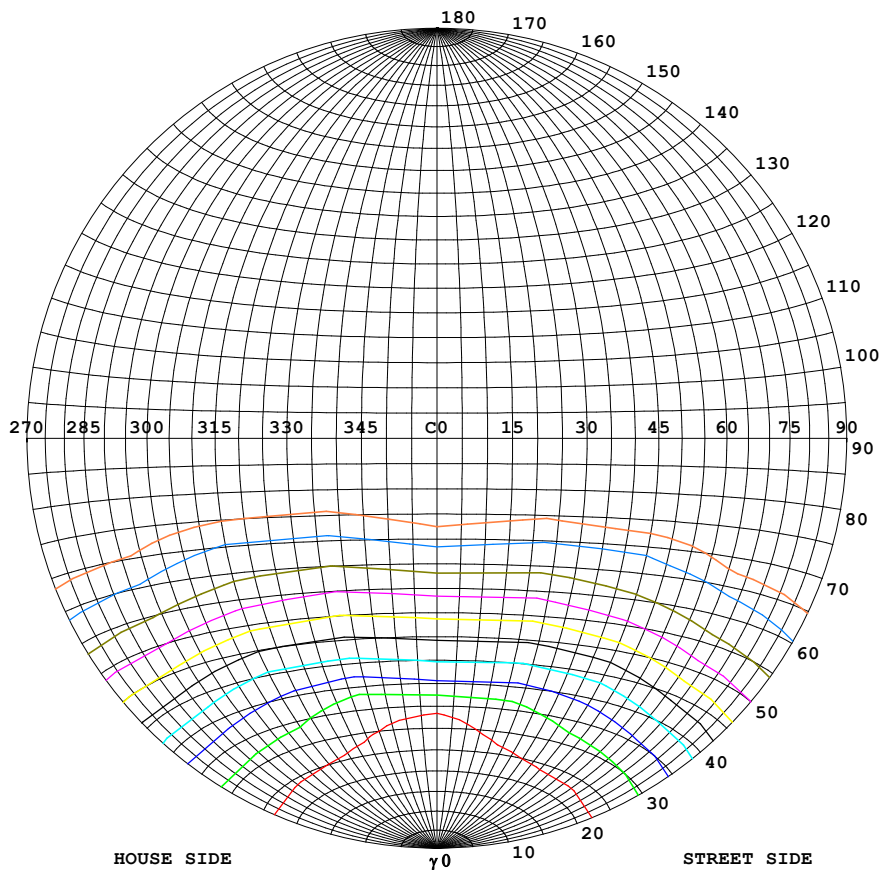
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 6.475m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



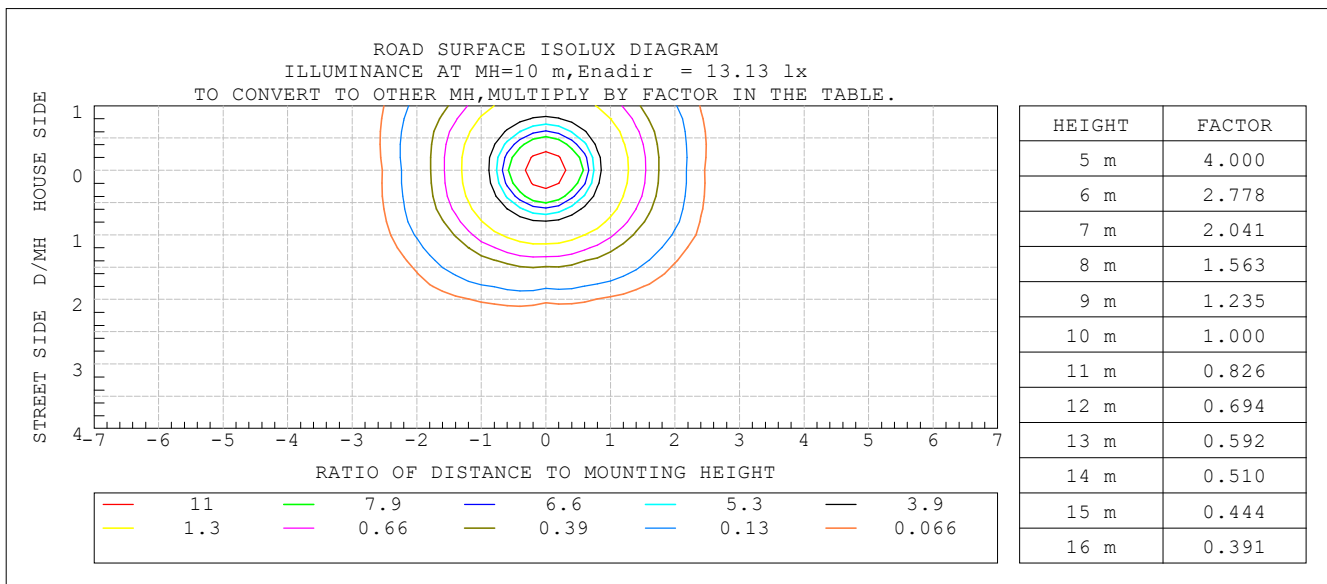
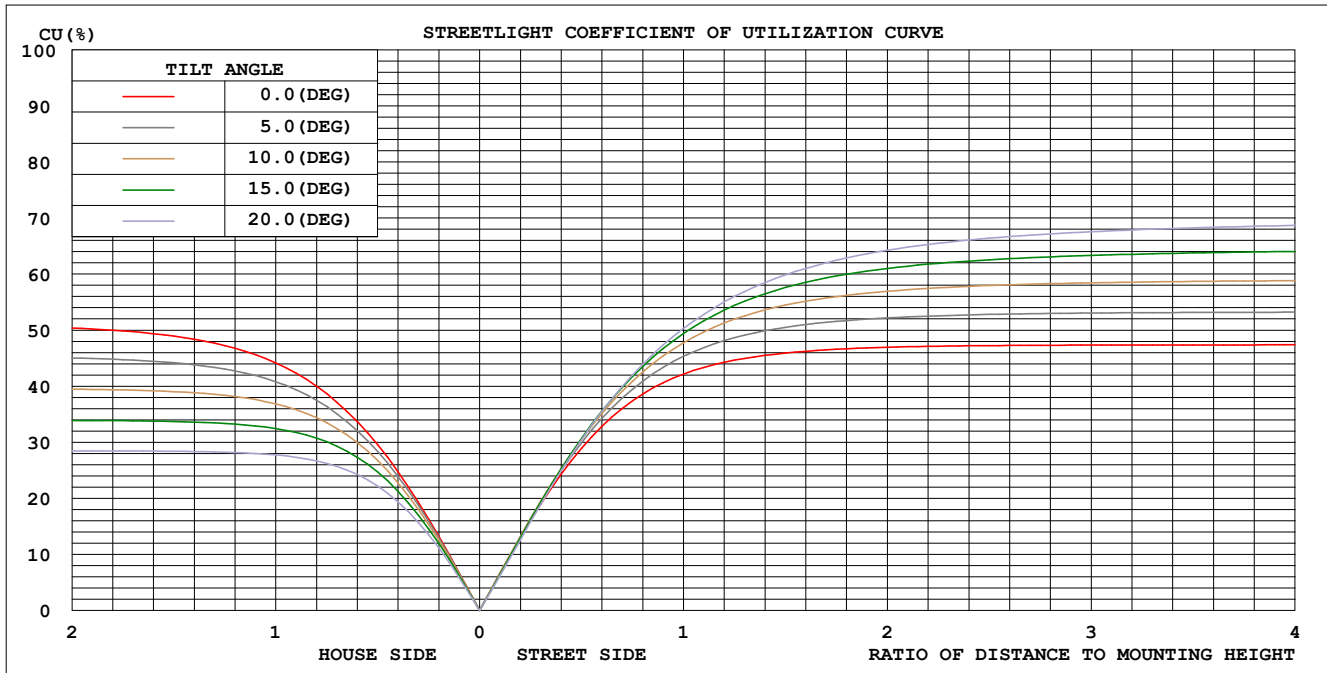
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:9.964cd/klm
Max.At90:0.2213cd/klm
Max.80-90:9.964cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1316
90%	1184
80%	1052
70%	921
60%	789
50%	658
40%	526
30%	395
20%	263
10%	132
5%	66

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 6.475m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

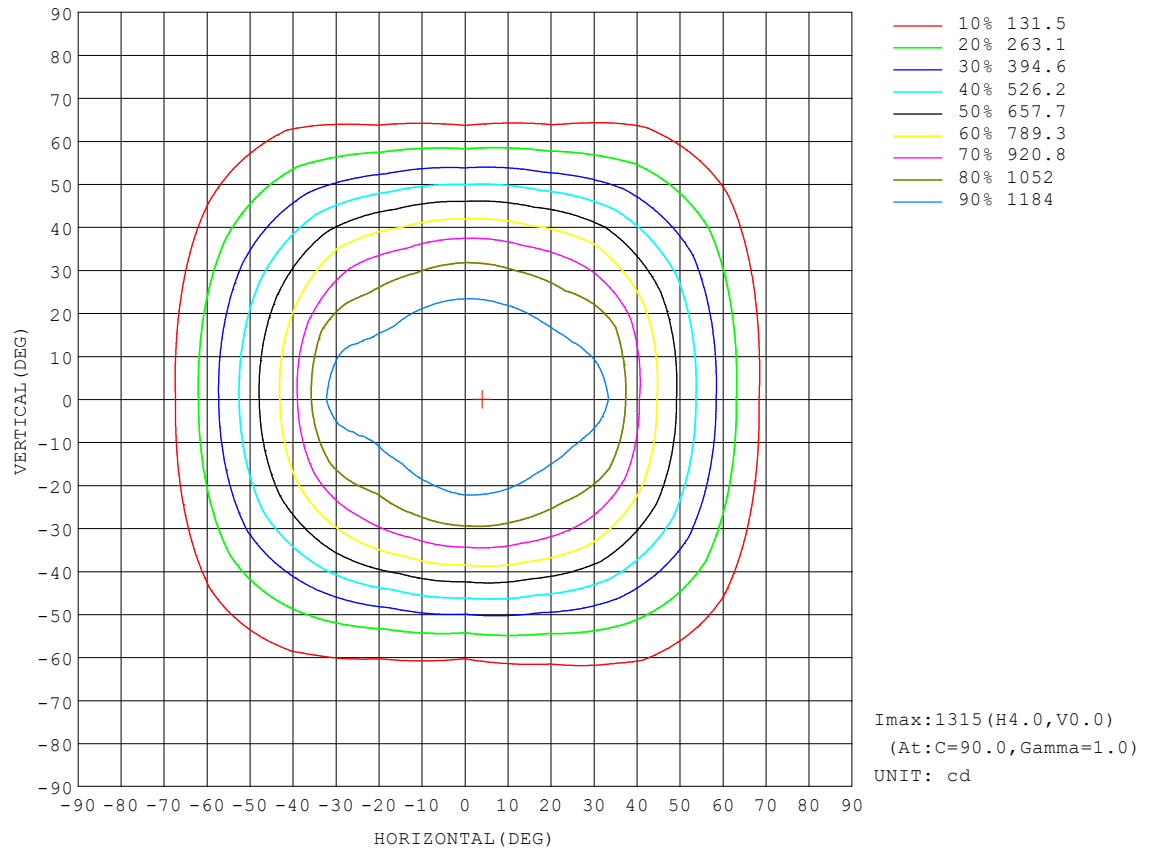
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1311	1297	1285	1285	1299	1288	1288	1296	0- 10	124.3	124.3	4.39,4.39
20	1266	1225	1211	1195	1253	1219	1224	1237	10- 20	357.4	481.8	17,17
30	1225	1093	1041	1048	1228	1093	1086	1115	20- 30	542.5	1024	36.1,36.1
40	941.8	883.6	742.1	816.5	882.4	912.5	849.3	932.9	30- 40	630.3	1655	58.4,58.4
50	633.5	578.2	393.5	511.8	597.8	617.5	522.8	651.8	40- 50	552.8	2207	77.9,77.9
60	349.9	285.9	136.7	246.1	320.5	329.5	214.3	349.2	50- 60	370.2	2578	91,91
70	100.7	106.7	21.84	76.39	83.78	127.6	52.15	138.6	60- 70	173.7	2751	97.1,97.1
80	15.39	4.064	0.0615	1.546	11.36	13.99	2.868	18.62	70- 80	42.64	2794	98.6,98.6
90	0.4666	0.4501	0.2701	0.5710	0.4764	0.5275	0.1631	0.5553	80- 90	3.252	2797	98.7,98.7
100	1.425	1.372	0.9889	1.585	1.511	1.262	0.6220	0.9724	90-100	0.8218	2798	98.7,98.7
110	3.195	3.000	2.488	3.314	3.464	2.906	1.877	2.430	100-110	2.066	2800	98.8,98.8
120	5.699	5.173	4.732	5.585	6.180	5.166	4.015	4.524	110-120	3.886	2804	98.9,98.9
130	8.387	7.586	7.314	8.029	9.007	7.610	6.672	6.950	120-130	5.694	2810	99.1,99.1
140	10.67	9.739	9.842	10.10	11.20	9.667	9.257	9.224	130-140	6.803	2816	99.4,99.4
150	11.95	11.33	11.58	11.57	12.38	11.41	11.16	11.10	140-150	6.756	2823	99.6,99.6
160	12.65	12.66	12.61	12.61	13.17	12.78	12.41	12.61	150-160	5.604	2829	99.8,99.8
170	14.19	14.12	14.10	13.94	14.71	14.02	14.19	13.85	160-170	3.763	2833	100,100
180	16.27	15.59	15.86	15.42	16.26	15.60	15.86	15.43	170-180	1.403	2834	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

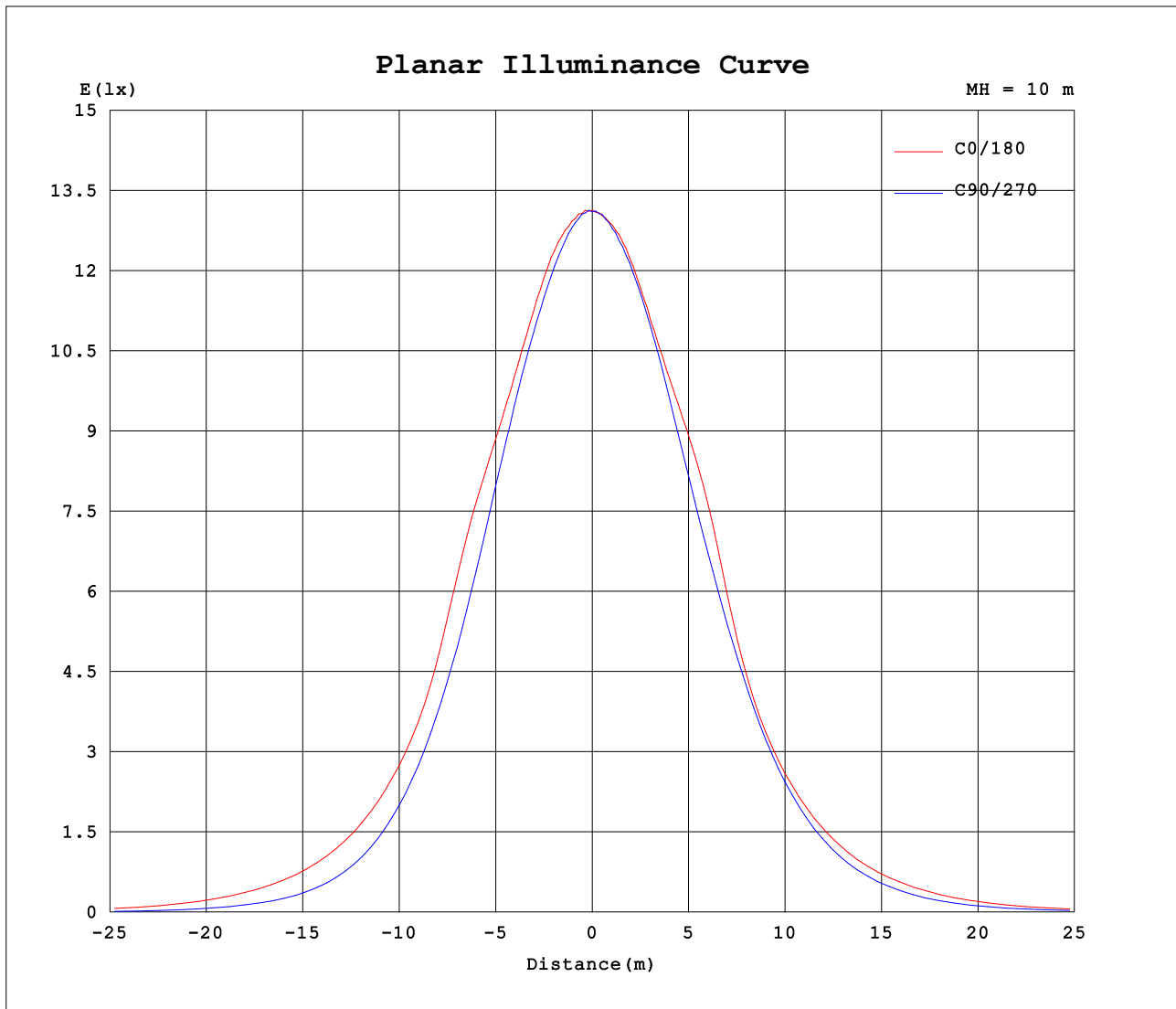
Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks:

Planar Illuminance Curve



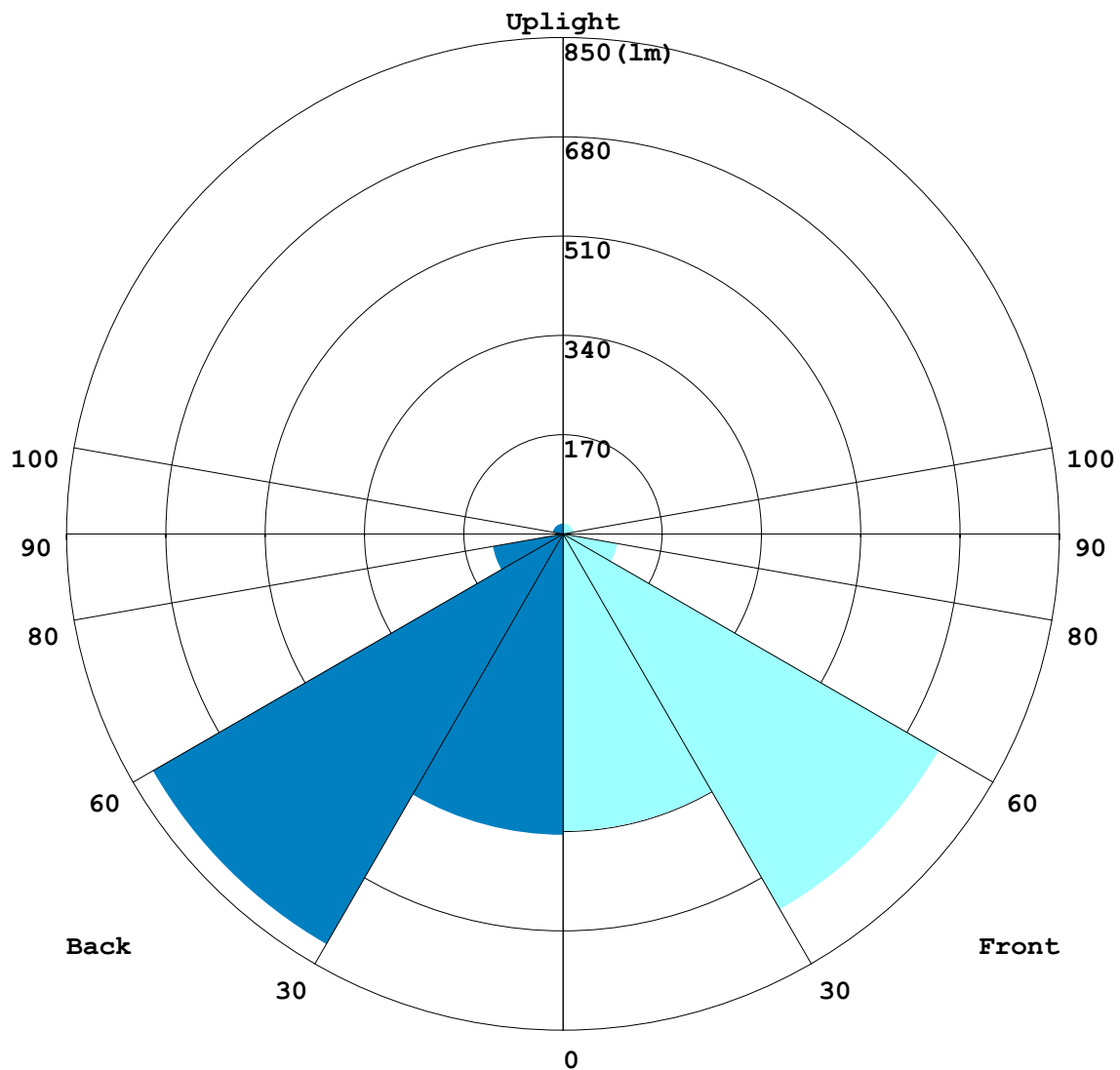
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.475m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 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: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks:

BUG REPORT

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 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)	509.16	18.0
FM - Front-Medium(30-60)	742.36	26.2
FH - Front-High(60-80)	94.745	3.3
FVH - Front-Very High(80-90)	1.0042	0.0
Total Forward Light	1366.1	48.2

BL - Back-Low(0-30)	515.13	18.2
BM - Back-Medium(30-60)	810.92	28.6
BH - Back-High(60-80)	121.63	4.3
BVH - Back-Very High(80-90)	2.2476	0.1
Total Back Light	1467.9	51.8

UL - Uplight-Low(90-100)	0.8218	0.0
UH - Uplight-High(100-180)	35.975	1.3
Total Up Light	36.796	1.3

BUG (Back, Up, Glare) Rating	B2-U2-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1449.9	17.989	1467.9
Street Side	1347.3	18.808	1366.1

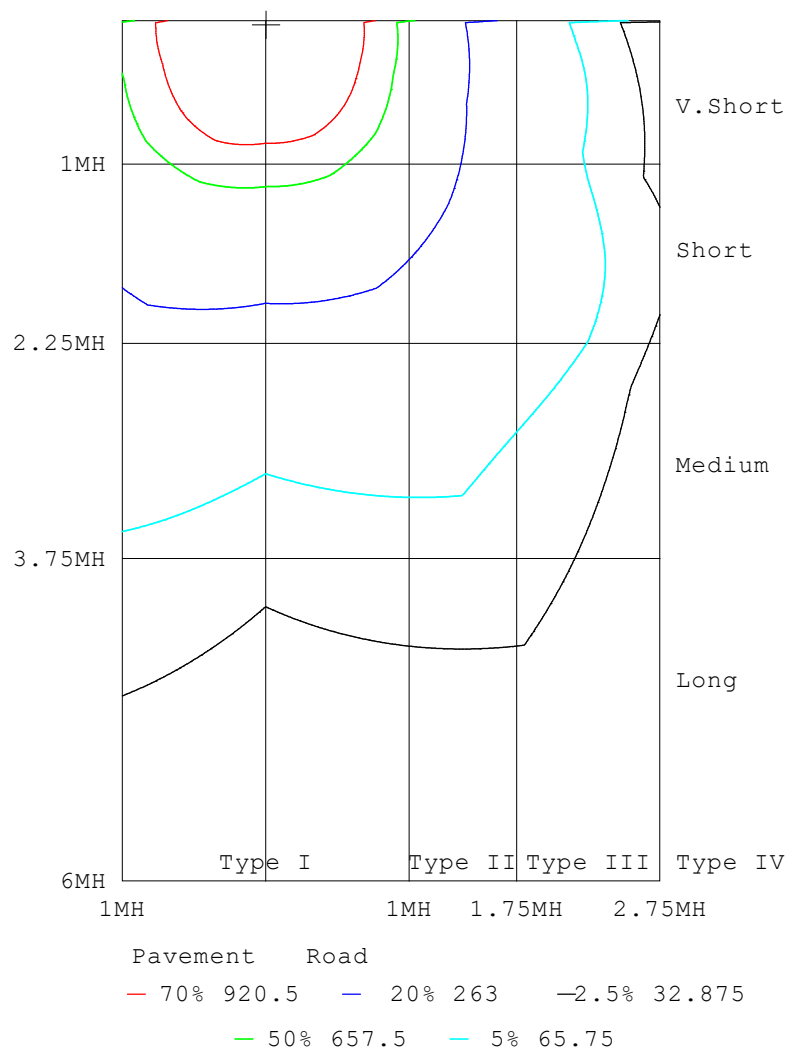
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 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: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.52V I:0.1610A P:19.126W PF:0.9939 Freq:60.01Hz Lamp Flux:2833.99x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

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	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312	1312			
5	1312	1311	1308	1309	1307	1305	1306	1305	1306	1303	1303	1305	1307	1306	1311	1313			
10	1311	1308	1297	1288	1285	1281	1285	1293	1299	1295	1288	1286	1288	1291	1296	1305			
15	1293	1286	1266	1259	1253	1247	1249	1258	1274	1268	1262	1261	1264	1264	1275	1288			
20	1266	1249	1225	1215	1211	1197	1195	1216	1253	1234	1219	1219	1224	1226	1237	1253			
25	1241	1203	1164	1155	1143	1129	1129	1172	1246	1210	1165	1160	1163	1166	1186	1215			
30	1225	1156	1093	1062	1041	1031	1048	1130	1228	1180	1093	1076	1086	1088	1115	1179			
35	1142	1088	1001	939	902	901	945	1036	1083	1101	1015	976	983	989	1033	1129			
40	942	950	884	790	742	749	816	874	882	923	912	852	849	867	933	1000			
45	778	790	738	624	568	583	669	727	735	761	779	704	690	718	808	825			
50	633	641	578	452	393	417	512	588	598	619	618	543	523	555	652	674			
55	488	493	418	303	245	276	364	446	457	478	464	383	358	393	491	528			
60	350	355	286	192	137	170	246	317	320	348	329	251	214	256	349	391			
65	211	230	186	109	61.0	89.9	156	199	184	222	219	140	108	142	232	264			
70	101	126	107	37.4	21.8	29.5	76.4	108	83.8	120	128	69.2	52.2	70.0	139	151			
75	41.2	59.5	28.7	7.93	4.28	5.38	18.4	47.0	33.2	55.2	52.6	31.8	19.2	31.1	63.0	74.6			
80	15.4	20.2	4.06	0.13	0.06	0.12	1.55	10.3	11.4	17.2	14.0	11.0	2.87	9.15	18.6	28.2			
85	3.35	2.58	0.47	0.17	0.11	0.21	0.39	1.00	2.30	2.55	2.71	1.92	0.43	1.77	3.95	4.85			
90	0.47	0.52	0.45	0.33	0.27	0.41	0.57	0.63	0.48	0.50	0.53	0.43	0.16	0.35	0.56	0.46			
95	0.86	0.90	0.83	0.62	0.55	0.73	0.99	1.08	0.89	0.89	0.76	0.48	0.31	0.33	0.55	0.71			
100	1.43	1.45	1.37	1.07	0.99	1.21	1.58	1.72	1.51	1.49	1.26	0.88	0.62	0.66	0.97	1.22			
105	2.20	2.22	2.10	1.73	1.63	1.90	2.37	2.57	2.38	2.32	2.00	1.49	1.13	1.21	1.61	1.96			
110	3.20	3.17	3.00	2.58	2.49	2.78	3.31	3.60	3.46	3.35	2.91	2.31	1.88	1.95	2.43	2.87			
115	4.38	4.27	4.04	3.60	3.55	3.83	4.40	4.80	4.75	4.54	3.99	3.30	2.85	2.89	3.41	3.94			
120	5.70	5.51	5.17	4.70	4.73	4.99	5.59	6.08	6.18	5.82	5.17	4.46	4.01	4.00	4.52	5.10			
125	7.08	6.75	6.38	5.89	6.01	6.23	6.82	7.35	7.62	7.13	6.41	5.71	5.31	5.21	5.73	6.33			
130	8.39	7.99	7.59	7.09	7.31	7.48	8.03	8.57	9.01	8.44	7.61	7.01	6.67	6.48	6.95	7.58			
135	9.64	9.17	8.72	8.28	8.61	8.71	9.14	9.63	10.2	9.66	8.73	8.25	8.01	7.74	8.13	8.79			
140	10.7	10.3	9.74	9.44	9.84	9.86	10.1	10.5	11.2	10.7	9.67	9.37	9.26	8.90	9.22	9.90			
145	11.5	11.1	10.6	10.5	10.9	10.8	10.9	11.3	11.9	11.5	10.5	10.3	10.3	9.98	10.2	10.8			
150	11.9	11.8	11.3	11.3	11.6	11.6	11.6	11.8	12.4	12.1	11.4	11.2	11.2	10.9	11.1	11.6			
155	12.3	12.3	12.0	11.9	12.1	12.2	12.1	12.3	12.8	12.6	12.1	11.9	11.8	11.7	11.9	12.3			
160	12.6	12.9	12.7	12.5	12.6	12.8	12.6	12.6	13.2	13.0	12.8	12.7	12.4	12.3	12.6	13.0			
165	13.2	13.6	13.4	13.1	13.2	13.4	13.2	13.1	13.8	13.4	13.4	13.4	13.1	12.9	13.2	13.6			
170	14.2	14.5	14.1	13.8	14.1	14.1	13.9	13.7	14.7	14.1	14.0	14.3	14.2	13.7	13.9	14.3			
175	15.4	15.3	15.0	14.7	15.1	14.9	14.7	14.5	15.6	15.0	14.9	15.1	15.1	14.6	14.7	15.0			
180	16.3	15.8	15.6	15.6	15.9	15.5	15.4	15.5	16.3	15.8	15.6	15.6	15.9	15.5	15.4	15.5			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.475m [K=1.0000]
Remarks: