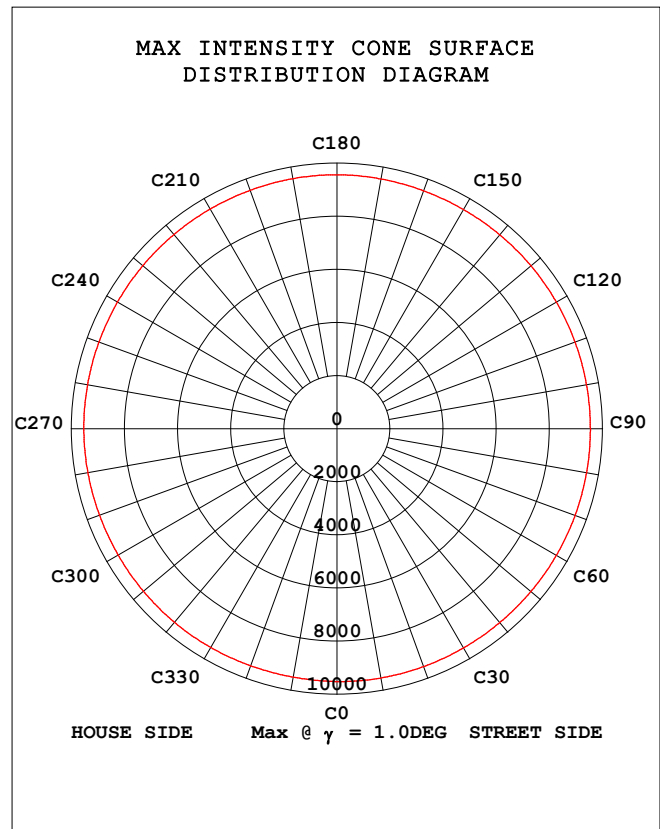
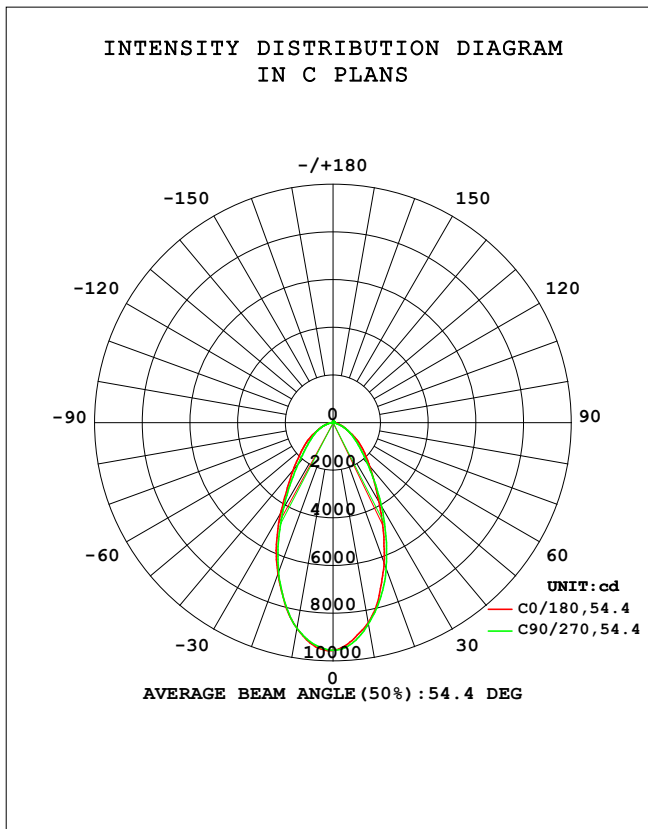


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz		
Lamp Flux:10902.9x1 lm		
NAME:		
SPEC.:		
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.69 lm/W			
MODEL		Imax (cd)	9565	η street_up (%)	0.6
NOMINAL POWER(W)	80	LOR (%)	100.0	η street_down (%)	48.4
RATED VOLTAGE (V)	120	TOTAL FLUX(lm)	10903	η house_up (%)	0.6
NOMINAL FLUX(lm)	10902.9	MAXIMUM @ (C, γ)	180,1.0	η house_down (%)	50.4
LAMPS INSIDE	1	η up (%)	1.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE (V)	120	η down (%)	98.8	SLI	18.048



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date: 2024-05-06

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

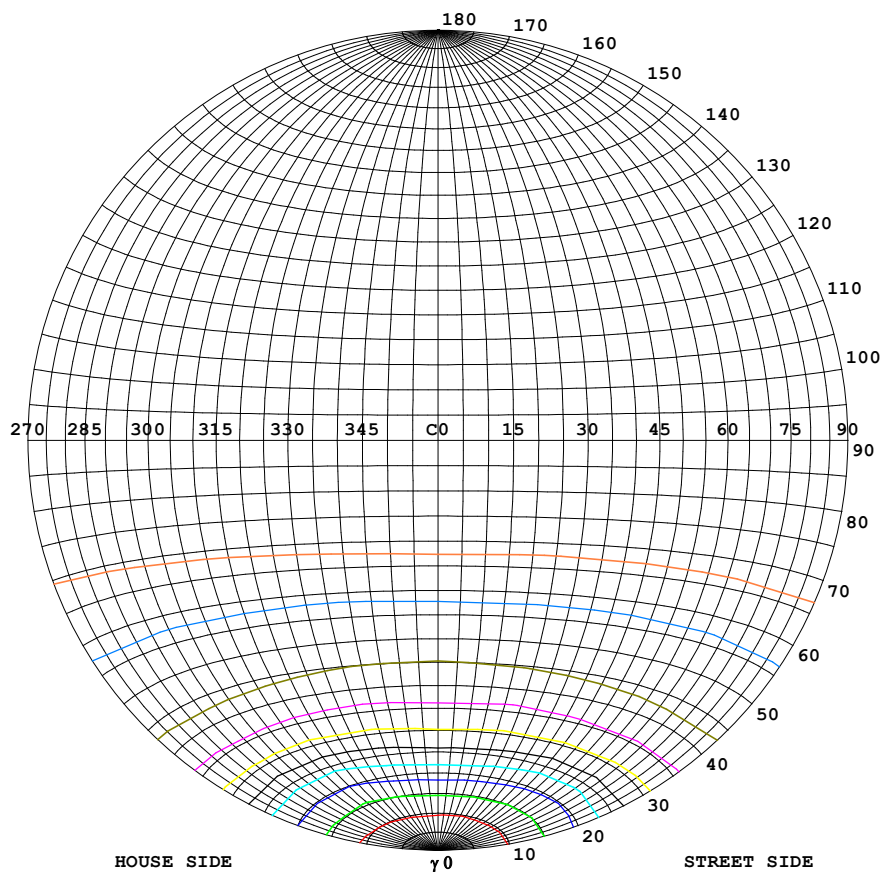
Test:U:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz

Lamp Flux:10902.9x1 lm

NAME:

SPEC.:

MFR.:



Classification:

IES:Type V - Very Short

CIE:Narrow - Short

IES:Cut-off

CIE:Full cut-off

Max.At80:13.80cd/klm

Max.At90:0.3621cd/klm

Max.80-90:13.80cd/klm

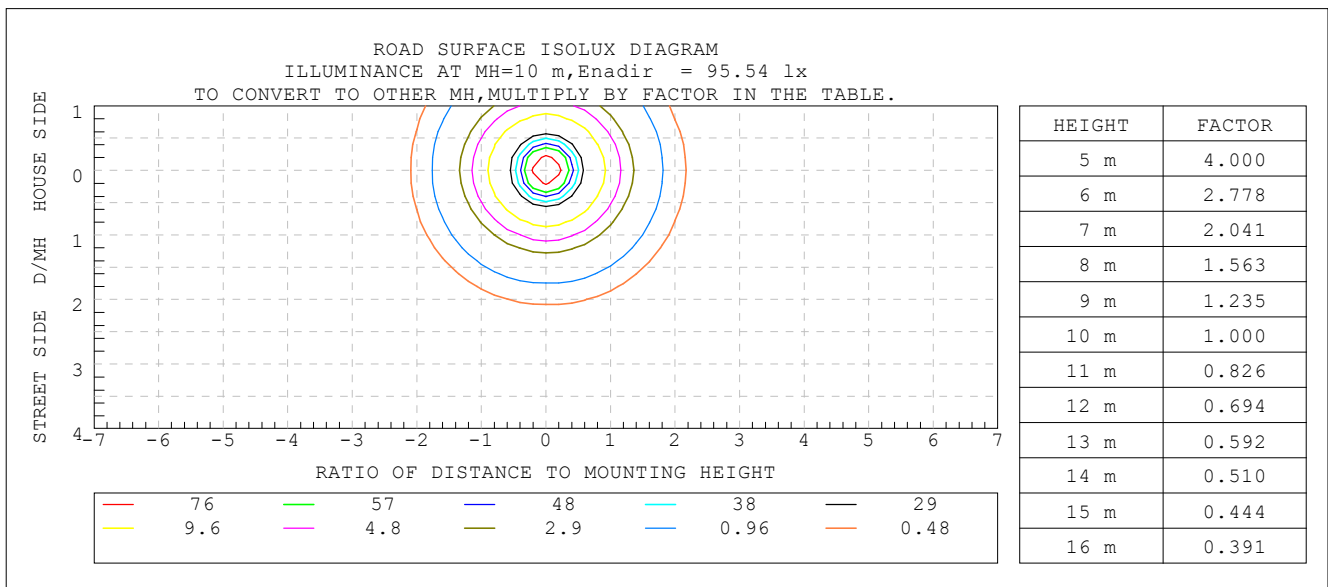
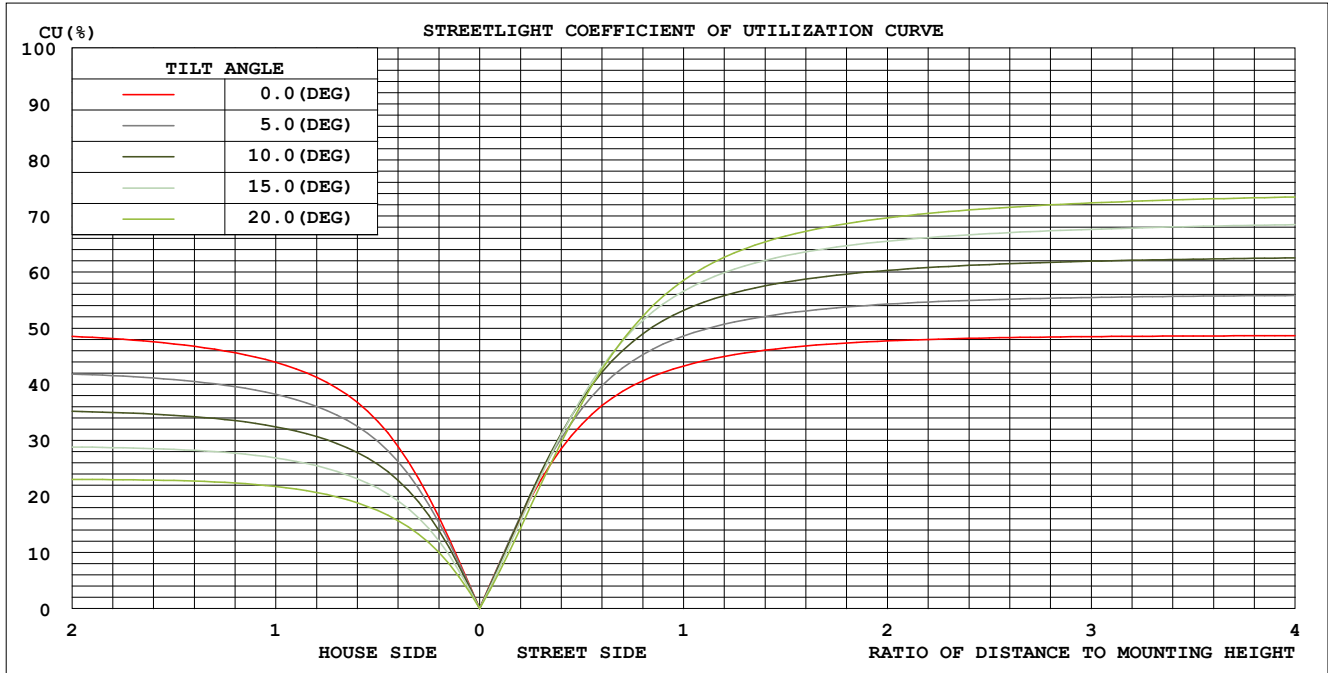
ISOCANDELA DIAGRAM

UNIT	cd
I _{max} =100%	9565
90%	8608
80%	7652
70%	6695
60%	5739
50%	4782
40%	3826
30%	2869
20%	1913
10%	956
5%	478

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-06

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: 2024-05-06

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:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz		
Lamp Flux:10902.9x1 lm		
NAME:		
SPEC.:		
MFR.:		

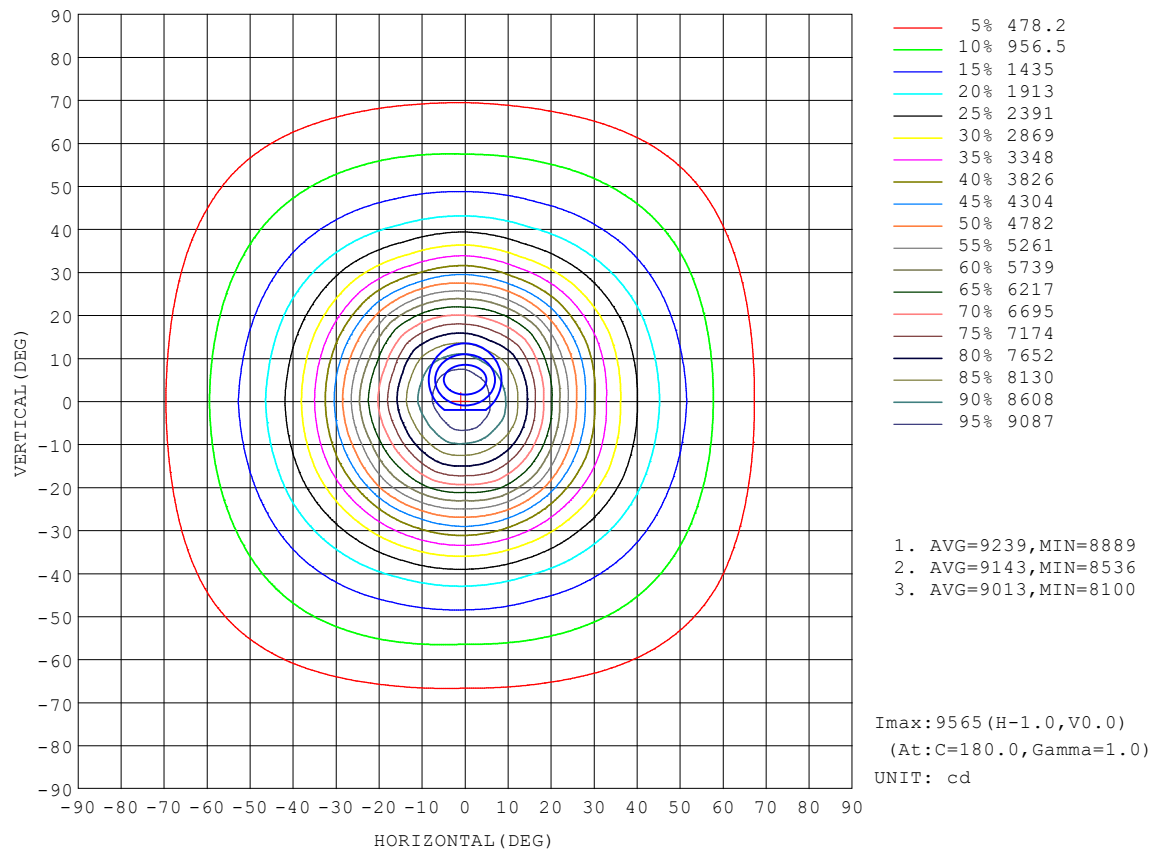
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8527	8515	8574	8605	8763	8846	8758	8582	0- 10	865.7	865.7	7.94,7.94
20	6274	6526	6518	6571	6760	6950	6691	6675	10- 20	2151	3016	27.7,27.7
30	3866	3989	4096	4229	4414	4402	4182	4112	20- 30	2456	5472	50.2,50.2
40	2404	2296	2262	2412	2615	2475	2303	2347	30- 40	1974	7446	68.3,68.3
50	1547	1384	1329	1448	1628	1454	1353	1400	40- 50	1429	8875	81.4,81.4
60	798.1	822.4	775.6	870.7	919.7	884.8	841.2	842.0	50- 60	1009	9883	90.6,90.6
70	382.7	348.5	323.0	393.3	462.6	449.3	457.4	411.4	60- 70	608.8	10492	96.2,96.2
80	100.5	41.02	5.636	56.69	150.4	133.8	139.6	112.1	70- 80	244.8	10737	98.5,98.5
90	3.053	2.940	2.829	2.712	3.418	3.948	3.488	3.281	80- 90	33.69	10770	98.8,98.8
100	5.893	5.575	5.284	5.213	4.808	4.570	4.282	4.771	90-100	4.190	10775	98.8,98.8
110	10.27	9.664	9.144	9.198	8.669	8.297	8.100	8.723	100-110	7.259	10782	98.9,98.9
120	17.00	16.05	15.33	15.34	14.47	13.96	13.96	14.59	110-120	11.68	10794	99,99
130	26.24	25.19	24.32	24.20	22.93	22.32	22.59	23.12	120-130	17.18	10811	99.2,99.2
140	37.13	36.05	35.35	35.29	33.53	32.83	33.08	33.68	130-140	22.40	10833	99.4,99.4
150	47.93	46.96	46.32	46.27	44.65	43.62	43.67	44.37	140-150	25.05	10858	99.6,99.6
160	54.90	54.45	54.22	54.24	53.46	52.19	51.91	52.53	150-160	22.98	10881	99.8,99.8
170	59.40	58.12	59.22	58.69	59.34	57.69	58.37	57.47	160-170	15.88	10897	99.9,99.9
180	65.40	63.70	65.45	62.93	65.41	63.72	65.53	62.93	170-180	5.764	10903	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-06

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

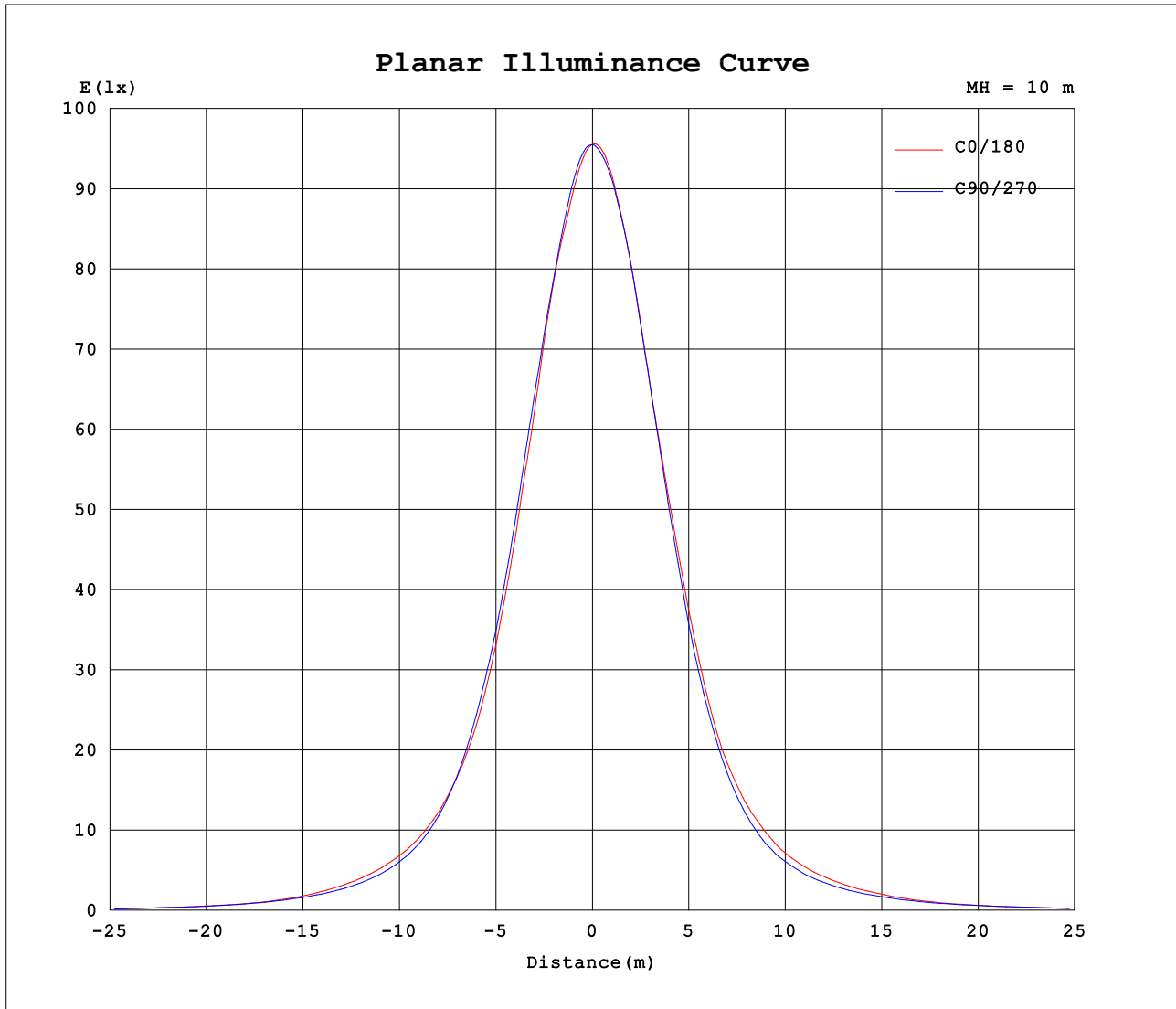
Test:U:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz Lamp Flux:10902.9x1 lm		
NAME:		
SPEC.:		
MFR.:		



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-06

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



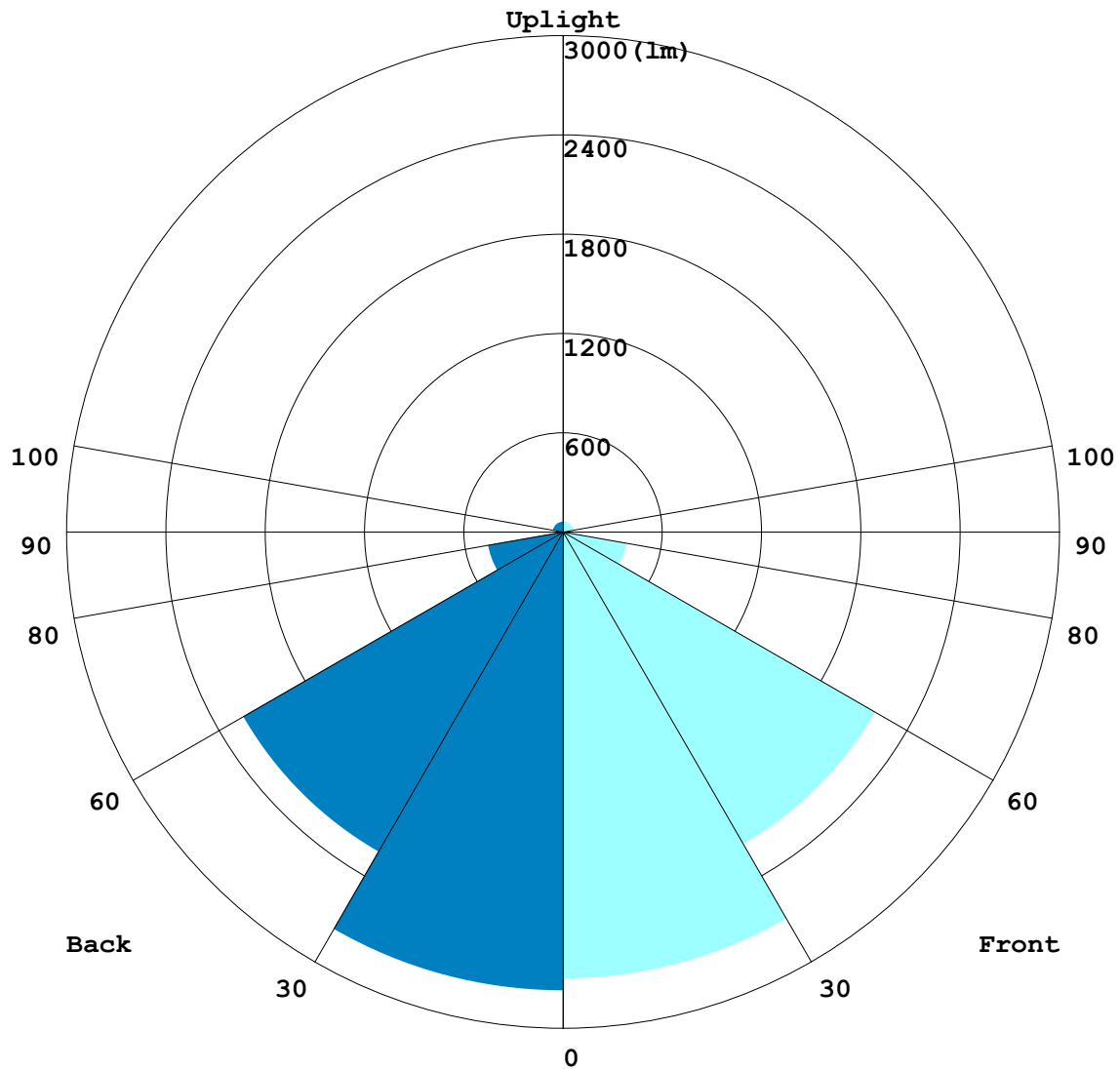
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-05-06

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:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz		
Lamp Flux:10902.9x1 lm		
NAME:		
SPEC.:		
MFR.:		

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2024-05-06

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:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz Lamp Flux:10902.9x1 lm		
NAME:		
SPEC.:		
MFR.:		

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2699.8	24.8
FM - Front-Medium(30-60)	2179	20.0
FH - Front-High(60-80)	392.97	3.6
FVH - Front-Very High(80-90)	8.1821	0.1
Total Forward Light	5348.3	49.1

BL - Back-Low(0-30)	2772.3	25.4
BM - Back-Medium(30-60)	2232	20.5
BH - Back-High(60-80)	460.69	4.2
BVH - Back-Very High(80-90)	25.504	0.2
Total Back Light	5554.5	50.9

UL - Uplight-Low(90-100)	4.1904	0.0
UH - Uplight-High(100-180)	128.18	1.2
Total Up Light	132.37	1.2

BUG (Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5490.5	64.024	5554.5
Street Side	5280	68.346	5348.3

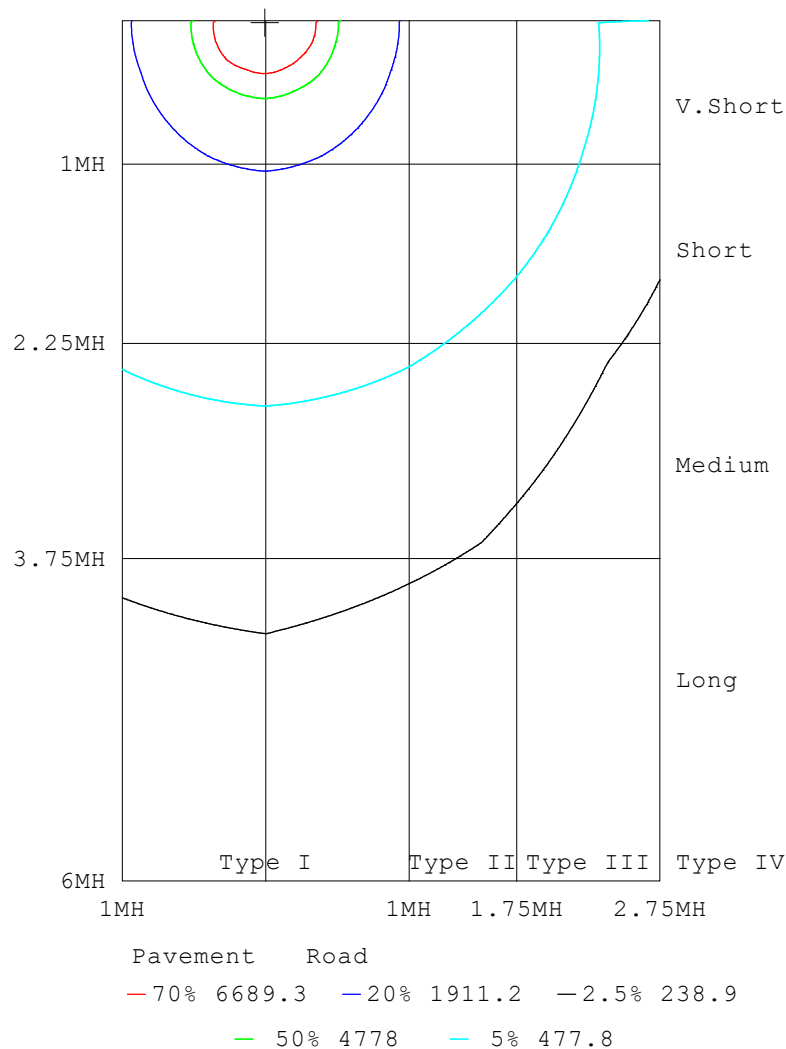
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-06

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:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz		
Lamp Flux:10902.9x1 lm		
NAME:		
SPEC.:		
MFR.:		

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-06

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:118.99V I:0.6804A P:80.350W PF:0.9925 Freq:60.00Hz																	
Lamp Flux:10902.9x1 lm																	
NAME:																	
SPEC.:																	
MFR.:																	

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	9554	9555	9553	9553	9550	9541	9542	9531	9554	9555	9553	9553	9550	9541	9542	9531			
5	9177	9228	9240	9291	9292	9320	9294	9310	9386	9373	9394	9355	9325	9257	9252	9197			
10	8527	8567	8515	8551	8574	8654	8605	8629	8763	8776	8846	8799	8758	8621	8582	8533			
15	7514	7593	7650	7666	7659	7739	7698	7700	7842	7855	8022	7912	7825	7693	7767	7628			
20	6274	6361	6526	6632	6518	6624	6571	6610	6760	6727	6950	6840	6691	6645	6675	6410			
25	5006	5092	5329	5323	5256	5370	5502	5463	5635	5559	5746	5572	5426	5387	5419	5173			
30	3866	3962	3989	4007	4096	4100	4229	4303	4414	4396	4402	4190	4182	4031	4112	4044			
35	3033	3089	3015	3002	3059	3090	3178	3305	3347	3342	3285	3099	3122	2992	3084	3123			
40	2404	2415	2296	2229	2262	2303	2412	2554	2615	2566	2475	2294	2303	2221	2347	2436			
45	1934	1874	1770	1689	1714	1740	1850	1969	2034	1987	1864	1748	1734	1699	1786	1901			
50	1547	1464	1384	1330	1329	1369	1448	1539	1628	1546	1454	1380	1353	1342	1400	1488			
55	1172	1122	1082	1055	1030	1088	1137	1190	1279	1198	1146	1108	1073	1074	1098	1142			
60	798	814	822	811	776	835	871	886	920	890	885	870	841	839	842	827			
65	564	578	579	564	549	586	624	637	659	640	658	658	640	630	618	587			
70	383	390	348	335	323	355	393	442	463	449	449	457	457	432	411	398			
75	230	221	161	131	119	150	187	264	295	276	267	280	287	260	236	232			
80	101	85.6	41.0	12.1	5.64	17.4	56.7	116	150	135	134	137	140	122	112	104			
85	20.5	13.2	4.20	2.19	1.99	2.09	5.01	23.7	46.5	41.3	42.5	41.0	38.5	32.8	30.1	24.0			
90	3.05	2.96	2.94	2.87	2.83	2.74	2.71	2.69	3.42	3.56	3.95	3.57	3.49	3.47	3.28	2.97			
95	4.32	4.18	4.11	3.97	3.92	3.80	3.82	3.79	3.43	3.56	3.48	3.18	3.04	3.28	3.56	3.81			
100	5.89	5.71	5.57	5.34	5.28	5.14	5.21	5.24	4.81	4.80	4.57	4.39	4.28	4.55	4.77	5.18			
105	7.85	7.63	7.42	7.07	7.01	6.82	7.01	7.10	6.52	6.49	6.20	6.04	5.97	6.26	6.55	7.00			
110	10.3	9.98	9.66	9.28	9.14	8.95	9.20	9.35	8.67	8.55	8.30	8.08	8.10	8.32	8.72	9.21			
115	13.3	12.9	12.5	12.1	11.9	11.6	11.9	12.1	11.3	11.1	10.8	10.6	10.7	11.0	11.4	12.0			
120	17.0	16.5	16.1	15.5	15.3	15.0	15.3	15.5	14.5	14.3	14.0	13.9	14.0	14.2	14.6	15.4			
125	21.3	20.8	20.3	19.7	19.5	19.1	19.4	19.7	18.4	18.2	17.8	17.8	18.0	18.3	18.5	19.4			
130	26.2	25.7	25.2	24.6	24.3	23.7	24.2	24.5	22.9	22.7	22.3	22.2	22.6	22.9	23.1	24.0			
135	31.5	31.0	30.4	30.0	29.7	29.0	29.6	29.7	28.0	27.8	27.4	27.2	27.7	28.0	28.2	29.1			
140	37.1	36.7	36.0	35.6	35.4	34.6	35.3	35.3	33.5	33.4	32.8	32.4	33.1	33.4	33.7	34.6			
145	42.7	42.3	41.7	41.1	40.9	40.4	41.0	41.0	39.2	39.1	38.4	37.8	38.5	39.0	39.2	40.3			
150	47.9	47.5	47.0	46.4	46.3	45.8	46.3	46.4	44.7	44.6	43.6	42.9	43.7	44.3	44.4	46.0			
155	51.9	51.8	51.3	51.1	50.9	50.5	50.7	51.2	49.5	49.3	48.3	47.4	48.3	48.8	48.9	50.9			
160	54.9	55.1	54.4	54.8	54.2	54.2	54.2	54.7	53.5	53.2	52.2	51.5	51.9	52.4	52.5	54.9			
165	57.0	57.4	56.4	56.8	56.7	57.1	56.7	57.0	56.5	56.0	55.2	55.0	55.2	55.0	55.5	57.9			
170	59.4	59.2	58.1	58.5	59.2	59.3	58.7	58.4	59.3	58.4	57.7	58.1	58.4	57.2	57.5	60.4			
175	63.0	62.1	61.3	60.8	62.2	61.7	61.0	60.3	62.8	61.2	60.8	61.4	61.8	60.1	59.7	61.4			
180	65.4	64.3	63.7	64.3	65.5	63.5	62.9	63.3	65.4	64.3	63.7	64.3	65.5	63.5	62.9	63.3			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:2024-05-06

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: