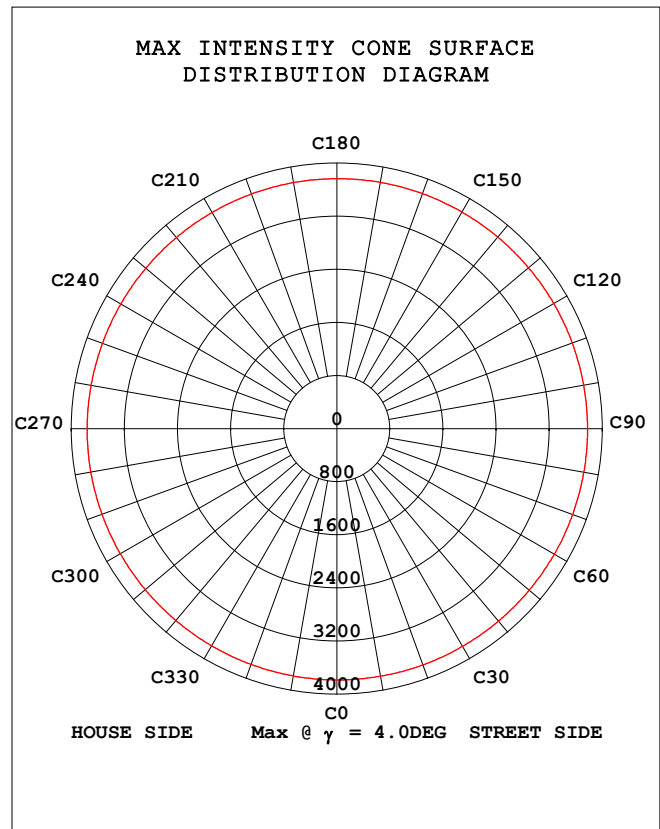
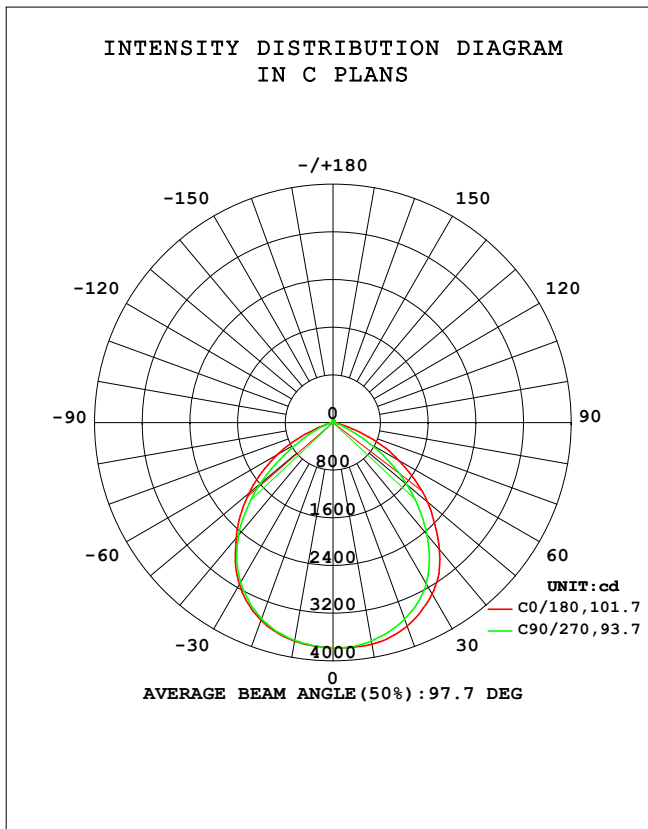


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.62 lm/W			
MODEL		Imax(cd)	3787	η street_up(%)	0.6
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	49.9
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	8746	η house_up(%)	0.6
NOMINAL FLUX(lm)	8746.26	MAXIMUM @ (C, γ)	23,4.0	η house_down(%)	48.9
LAMPS INSIDE	1	η up(%)	1.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	98.8	SLI	19.201

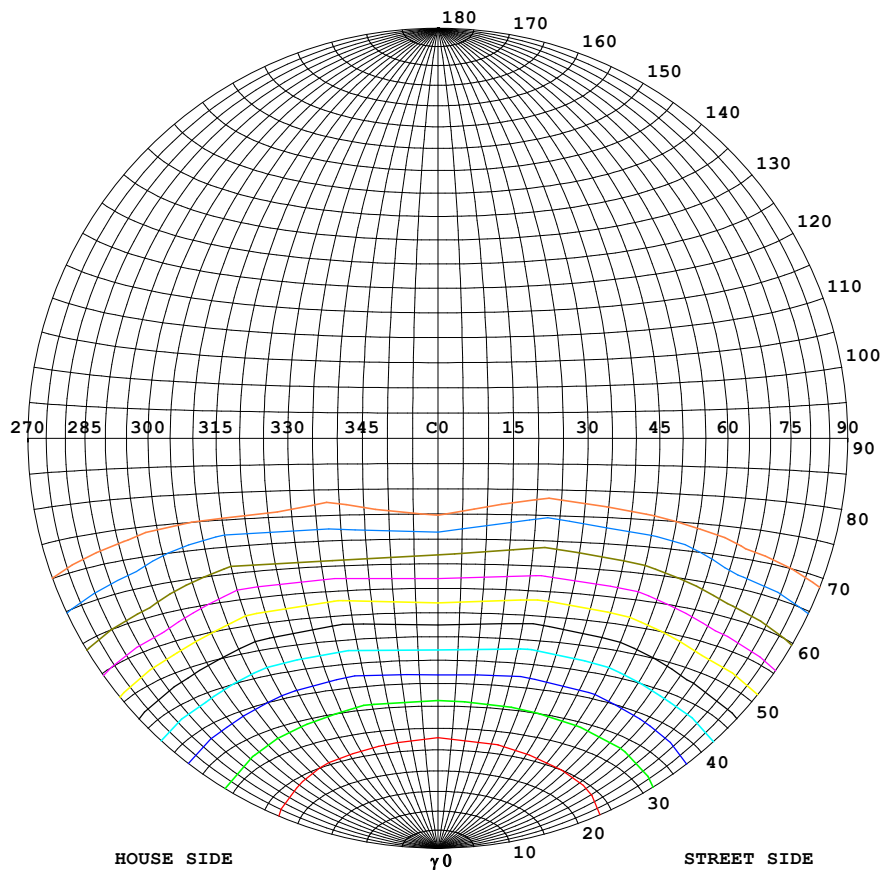


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



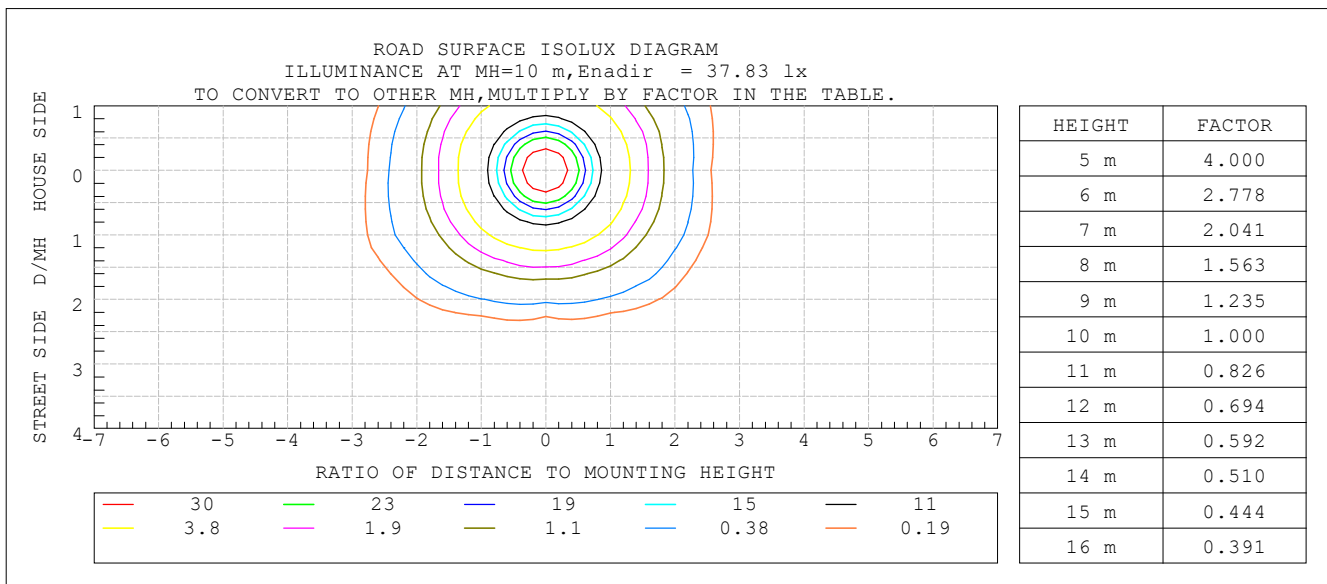
Classification:

IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:14.29cd/klm
Max.At90:0.5306cd/klm
Max.80-90:14.29cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3787
90%	3408
80%	3030
70%	2651
60%	2272
50%	1894
40%	1515
30%	1136
20%	757
10%	379
5%	189

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:7.450m [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: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

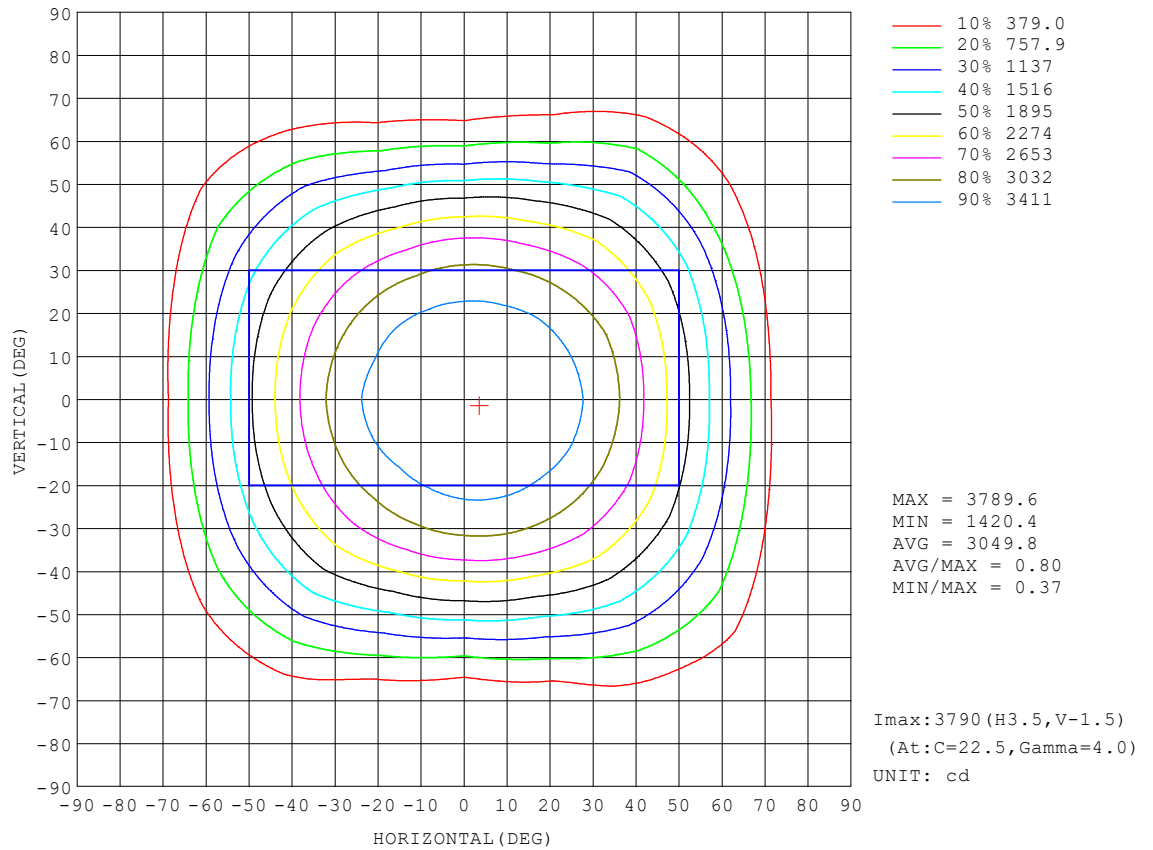
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3774	3752	3720	3716	3725	3707	3711	3737	0- 10	358.5	358.5	4.1,4.1
20	3634	3568	3510	3473	3532	3501	3504	3573	10- 20	1031	1390	15.9,15.9
30	3325	3223	3126	3069	3140	3085	3099	3218	20- 30	1551	2941	33.6,33.6
40	2780	2699	2454	2528	2527	2515	2466	2687	30- 40	1806	4747	54.3,54.3
50	2073	2021	1625	1860	1836	1811	1599	2018	40- 50	1715	6462	73.9,73.9
60	1279	1253	730.8	1105	1081	1038	669.0	1275	50- 60	1296	7757	88.7,88.7
70	481.6	531.0	150.9	438.0	293.3	362.6	190.7	518.0	60- 70	682.6	8440	96.5,96.5
80	58.72	42.82	5.241	18.94	31.34	37.51	28.22	62.72	70- 80	186.0	8626	98.6,98.6
90	4.186	2.691	1.999	3.431	3.317	3.197	1.868	4.101	80- 90	14.51	8640	98.8,98.8
100	5.839	5.413	4.776	6.745	6.977	6.242	4.224	5.097	90-100	4.484	8645	98.8,98.8
110	10.42	9.694	9.156	11.50	12.17	10.84	8.433	9.168	100-110	8.255	8653	98.9,98.9
120	15.81	14.80	14.62	16.83	17.97	16.10	13.95	14.19	110-120	12.67	8666	99.1,99.1
130	21.15	20.14	20.49	22.22	23.55	21.26	19.77	19.52	120-130	16.35	8682	99.3,99.3
140	25.55	25.10	25.77	27.13	28.01	25.83	24.89	24.53	130-140	18.16	8700	99.5,99.5
150	29.42	29.49	30.27	31.50	31.75	29.98	29.10	28.99	140-150	17.58	8718	99.7,99.7
160	32.21	33.11	33.53	34.62	34.65	33.56	32.54	32.76	150-160	14.74	8733	99.8,99.8
170	35.95	36.18	37.11	37.10	37.98	36.45	36.18	35.90	160-170	9.917	8743	100,100
180	40.88	39.28	40.16	39.49	40.90	39.29	40.19	39.48	170-180	3.613	8746	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:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

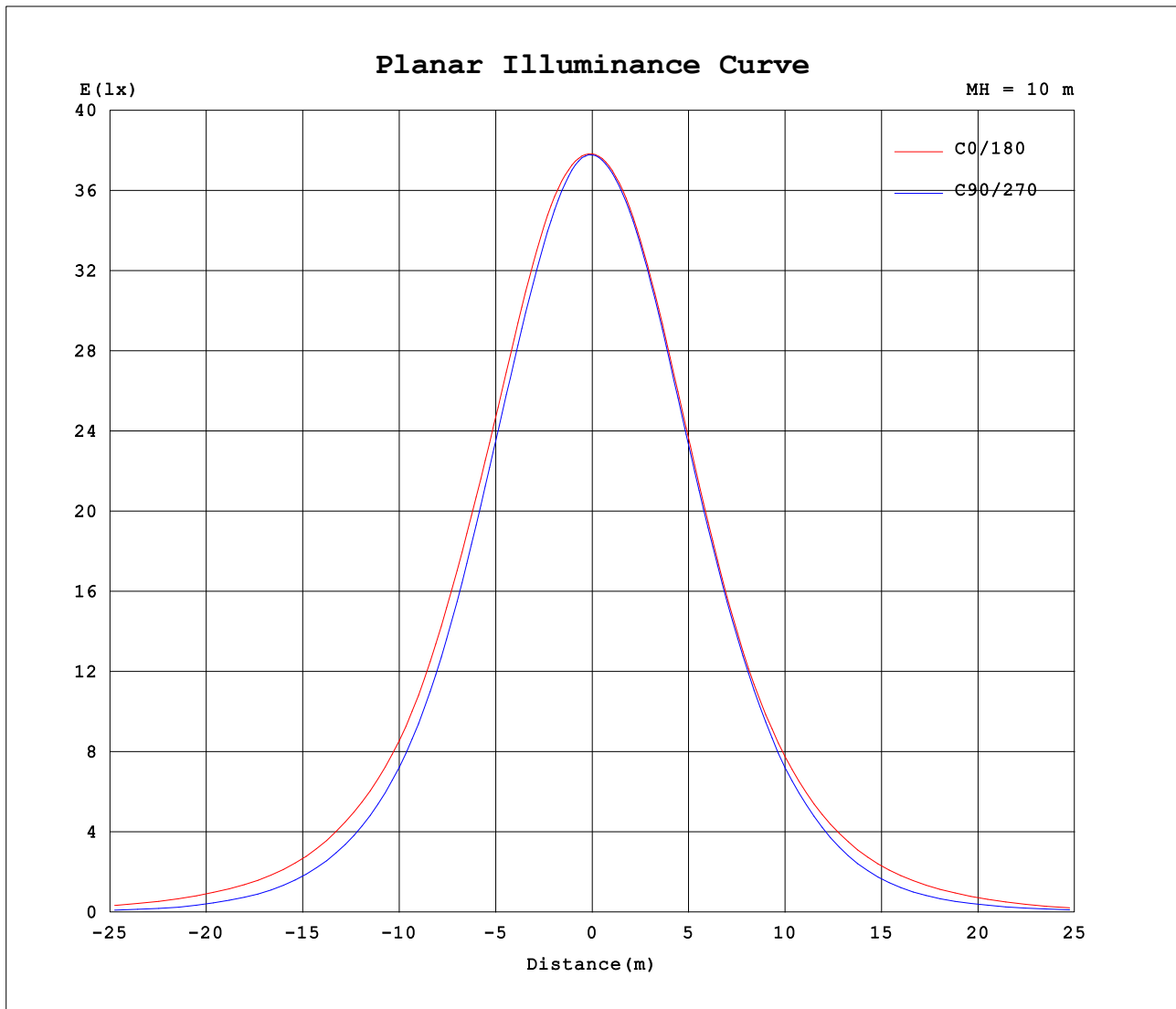
Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



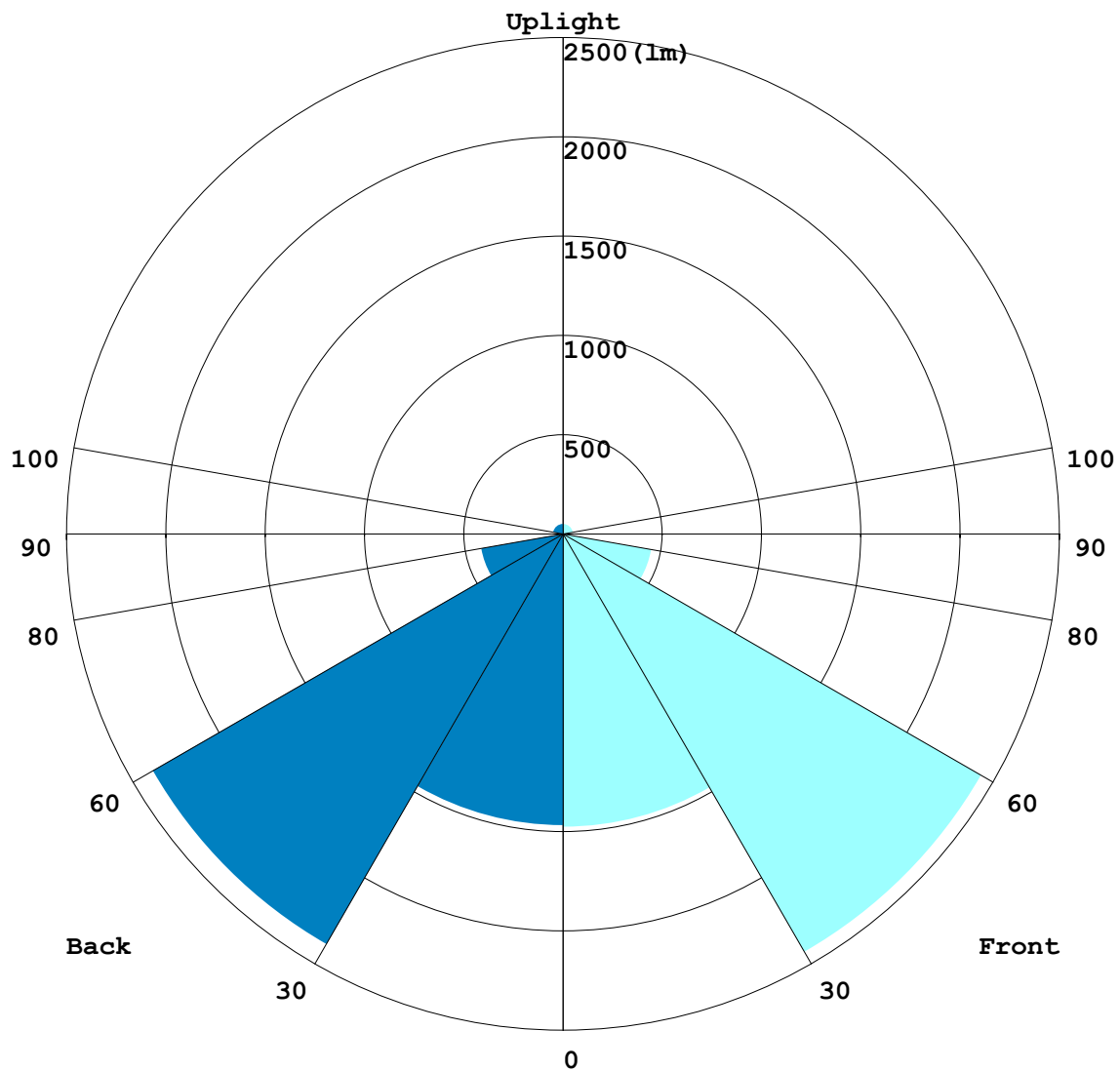
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-10-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 7.450m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 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:7.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 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)	1474.6	16.9
FM - Front-Medium(30-60)	2431.4	27.8
FH - Front-High(60-80)	451.09	5.2
FVH - Front-Very High(80-90)	6.1584	0.1
Total Forward Light	4416.6	50.5

BL - Back-Low(0-30)	1466.4	16.8
BM - Back-Medium(30-60)	2385	27.3
BH - Back-High(60-80)	417.49	4.8
BVH - Back-Very High(80-90)	8.3517	0.1
Total Back Light	4329.6	49.5

UL - Uplight-Low(90-100)	4.4837	0.1
UH - Uplight-High(100-180)	101.3	1.2
Total Up Light	105.78	1.2

BUG (Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4277.2	52.432	4329.6
Street Side	4363.3	53.347	4416.6

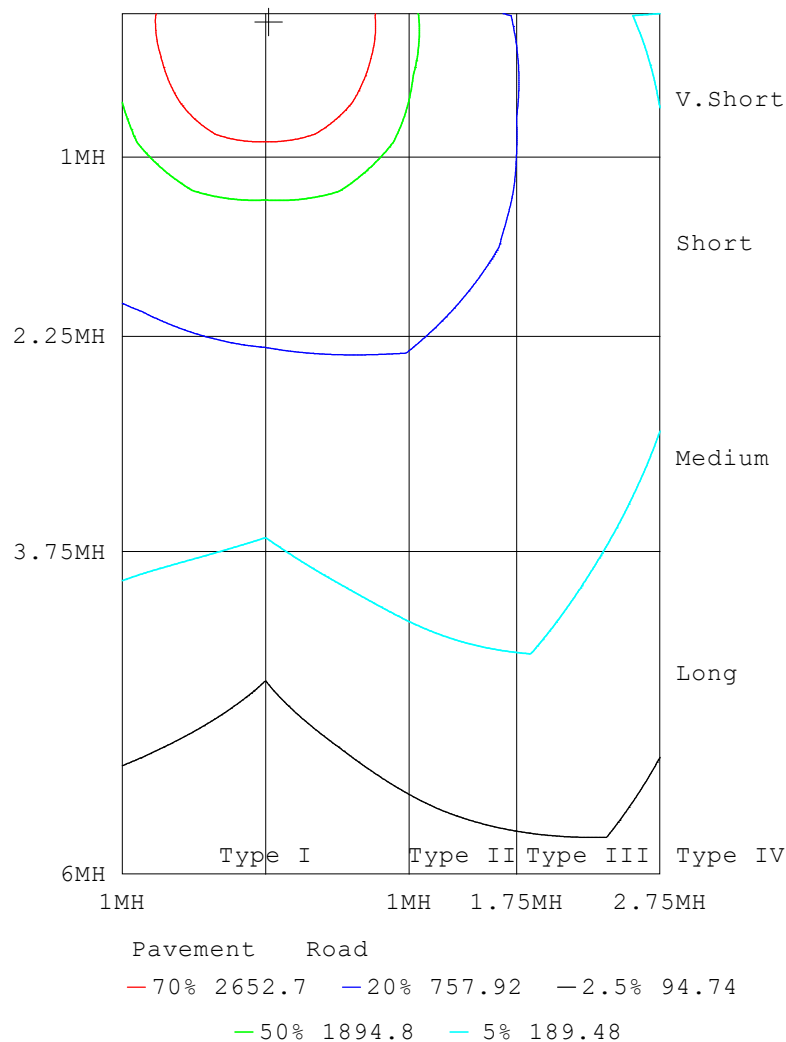
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-10-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 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:7.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.13V I:0.5182A P:61.324W PF:0.9934 Freq:60.00Hz Lamp Flux:8746.26x1 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	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780	3780			
5	3785	3786	3782	3777	3773	3768	3765	3763	3762	3757	3755	3751	3757	3759	3768	3778			
10	3774	3775	3752	3735	3720	3715	3716	3725	3725	3712	3707	3705	3711	3717	3737	3759			
15	3730	3725	3680	3654	3633	3619	3617	3643	3650	3628	3629	3623	3632	3642	3675	3709			
20	3634	3626	3568	3540	3510	3481	3473	3513	3532	3496	3501	3494	3504	3526	3573	3609			
25	3499	3479	3418	3386	3350	3306	3289	3338	3363	3323	3319	3306	3326	3358	3427	3468			
30	3325	3289	3223	3177	3126	3081	3069	3111	3140	3106	3085	3060	3099	3135	3218	3288			
35	3098	3056	2983	2895	2822	2793	2820	2835	2856	2848	2813	2771	2818	2859	2968	3077			
40	2780	2782	2699	2545	2454	2449	2528	2527	2527	2553	2515	2434	2466	2534	2687	2807			
45	2420	2474	2381	2149	2048	2050	2206	2208	2195	2227	2180	2055	2043	2167	2377	2474			
50	2073	2125	2021	1745	1625	1656	1860	1876	1836	1889	1811	1639	1599	1761	2018	2121			
55	1681	1774	1638	1333	1180	1253	1492	1507	1455	1516	1434	1165	1101	1311	1651	1762			
60	1279	1374	1253	925	731	867	1105	1133	1081	1133	1038	739	669	874	1275	1357			
65	904	1003	873	560	347	529	736	780	680	793	658	425	367	510	863	869			
70	482	670	531	242	151	230	438	436	293	470	363	231	191	287	518	504			
75	176	349	219	85.1	45.9	74.1	146	185	94.6	191	166	110	85.2	144	210	261			
80	58.7	125	42.8	14.0	5.24	7.26	18.9	47.3	31.3	51.8	37.5	32.5	28.2	31.0	62.7	108			
85	17.9	18.9	4.02	1.32	1.21	1.68	3.20	6.35	7.53	7.20	7.08	5.12	3.41	8.43	17.4	24.1			
90	4.19	3.69	2.69	2.06	2.00	2.53	3.43	4.01	3.32	3.47	3.20	2.46	1.87	2.75	4.10	4.64			
95	4.09	4.00	3.78	3.23	3.18	3.84	4.91	5.71	4.92	4.96	4.40	3.39	2.75	3.06	3.69	4.06			
100	5.84	5.71	5.41	4.80	4.78	5.55	6.74	7.67	6.98	6.94	6.24	5.00	4.22	4.49	5.10	5.62			
105	7.97	7.78	7.41	6.75	6.78	7.63	9.04	9.68	9.43	9.28	8.41	7.06	6.11	6.37	6.97	7.60			
110	10.4	10.1	9.69	9.03	9.16	10.0	11.5	12.3	12.2	11.8	10.8	9.46	8.43	8.63	9.17	9.90			
115	13.1	12.6	12.2	11.6	11.8	12.6	14.1	15.2	15.0	14.5	13.4	12.0	11.1	11.2	11.6	12.4			
120	15.8	15.3	14.8	14.4	14.6	15.4	16.8	18.1	18.0	17.2	16.1	14.7	13.9	14.0	14.2	15.0			
125	18.5	18.0	17.5	17.2	17.5	18.2	19.6	21.0	20.9	19.9	18.8	17.4	16.9	16.8	16.8	17.7			
130	21.1	20.6	20.1	20.1	20.5	21.0	22.2	23.9	23.5	22.5	21.3	20.0	19.8	19.6	19.5	20.2			
135	23.5	23.1	22.7	22.8	23.3	23.7	24.7	26.5	25.9	25.0	23.6	22.5	22.4	22.4	22.1	22.7			
140	25.6	25.4	25.1	25.4	25.8	26.2	27.1	28.8	28.0	27.3	25.8	24.8	24.9	24.9	24.5	25.0			
145	27.5	27.5	27.4	27.7	28.1	28.5	29.3	30.7	30.0	29.4	28.0	27.0	27.1	27.3	26.8	27.4			
150	29.4	29.5	29.5	29.8	30.3	30.7	31.5	32.7	31.8	31.4	30.0	29.1	29.1	29.4	29.0	29.6			
155	30.9	31.3	31.3	31.9	32.0	32.6	33.2	34.4	33.3	33.1	31.8	31.0	30.9	31.2	31.0	31.8			
160	32.2	33.0	33.1	33.6	33.5	34.4	34.6	35.5	34.7	34.4	33.6	33.1	32.5	32.8	32.8	33.8			
165	34.0	34.7	34.7	35.0	35.4	36.0	35.9	36.5	36.2	35.7	35.0	34.9	34.2	34.3	34.4	35.6			
170	36.0	36.5	36.2	36.4	37.1	37.2	37.1	37.3	38.0	37.1	36.5	36.6	36.2	35.8	35.9	37.1			
175	38.5	38.6	38.2	38.1	38.9	39.1	38.7	39.0	39.9	38.6	38.1	38.3	38.3	37.7	37.5	38.6			
180	40.9	40.0	39.3	39.7	40.2	39.6	39.5	40.0	40.9	40.0	39.3	39.7	40.2	39.6	39.5	40.1			

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:7.450m [K=1.0000]
Remarks: