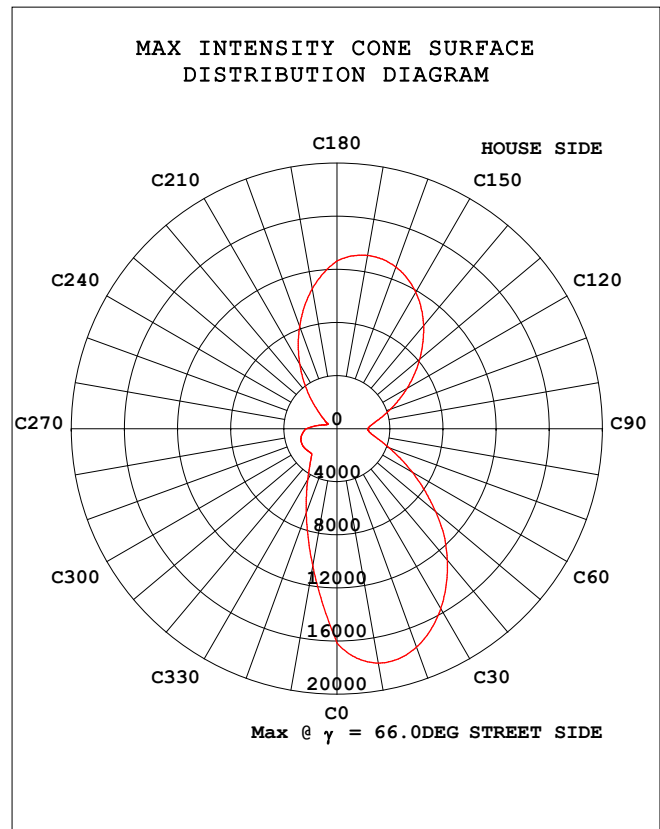
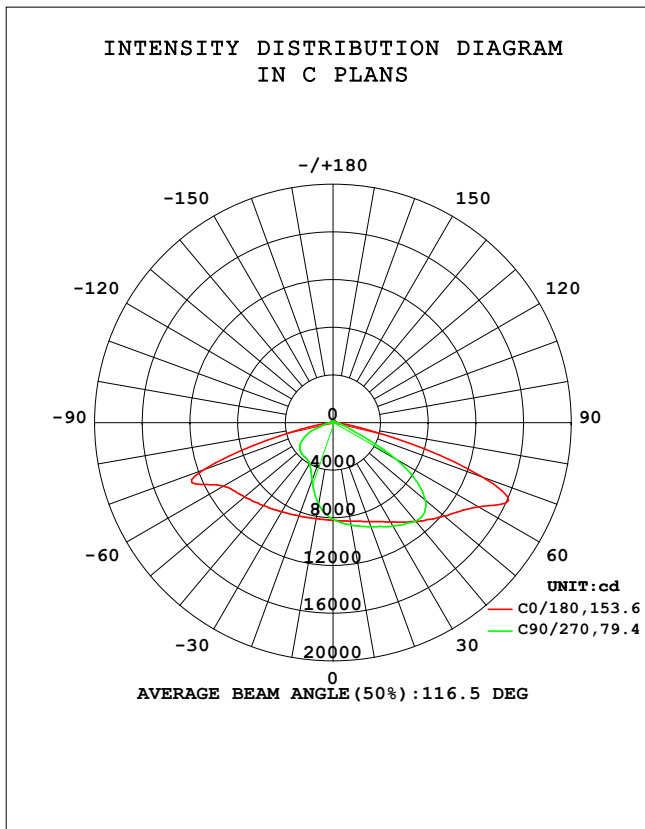


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.35 lm/W			
MODEL		Imax (cd)	16122	η street_up (%)	1.5
NOMINAL POWER (W)	320W	LOR (%)	100.0	η street_down (%)	60.7
RATED VOLTAGE (V)		TOTAL FLUX (lm)	37908	η house_up (%)	0.9
NOMINAL FLUX (lm)	37907.5	MAXIMUM @ (C, γ)	0,66.0	η house_down (%)	36.8
LAMPS INSIDE	1	η up (%)	2.5	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	97.5	SLI	21.742

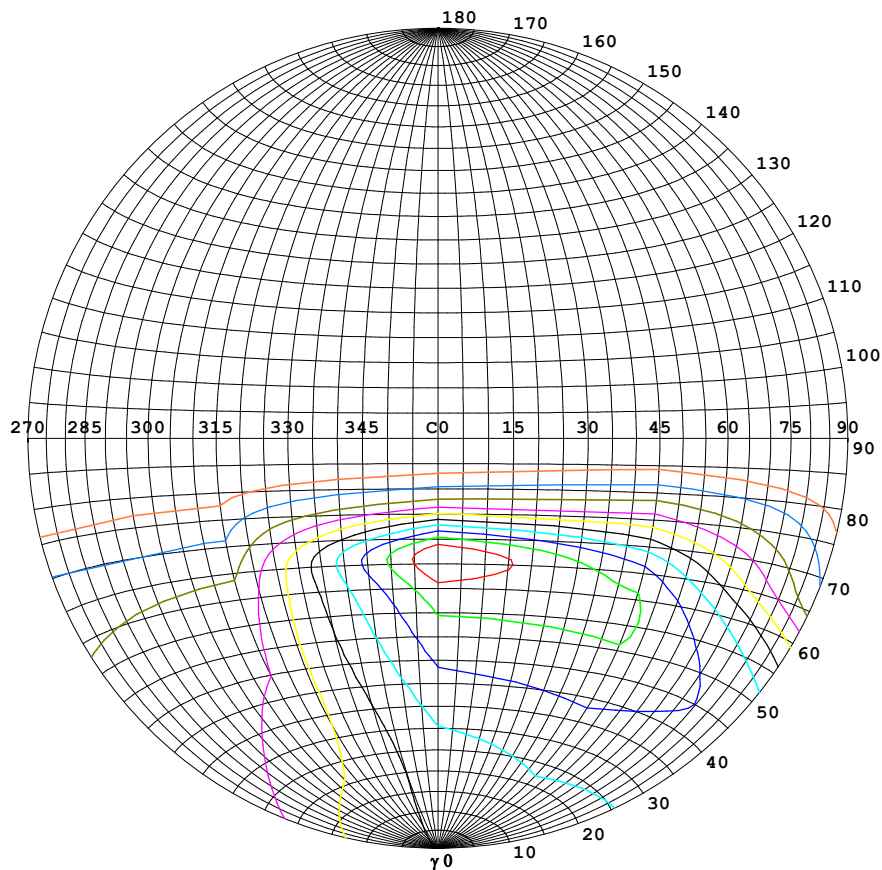


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

IES:Type IV - Short

CIE:Broad - Intermediate

IES:Cut-off

CIE:Semi-cut-off

Max.At80:62.06cd/klm

Max.At90:7.758cd/klm

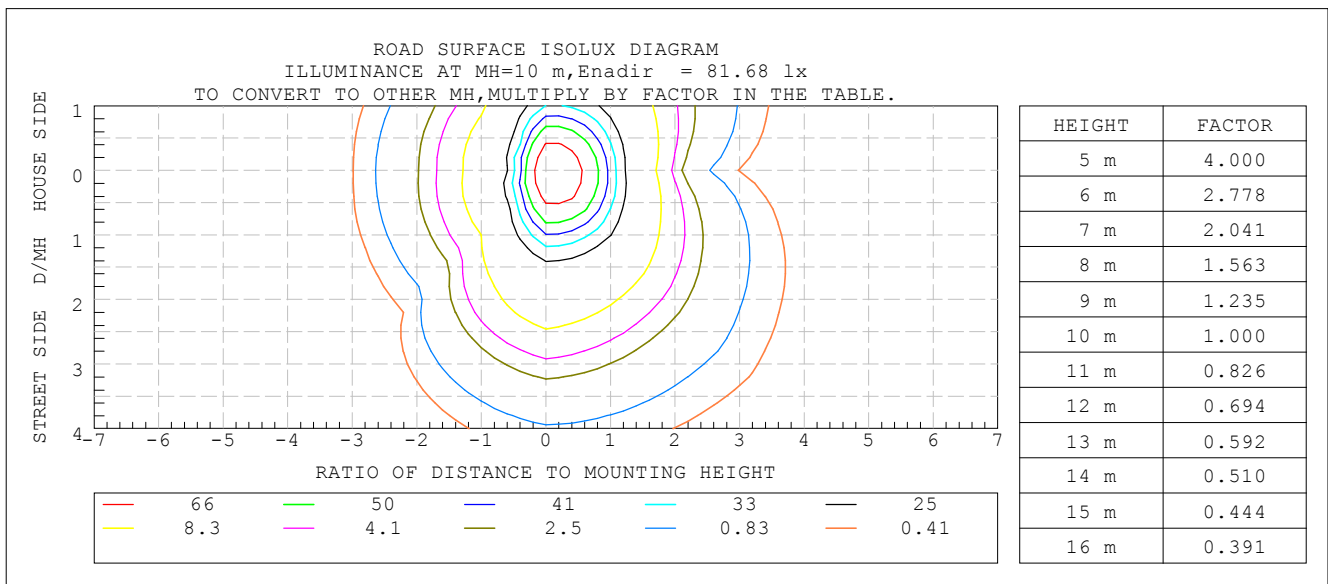
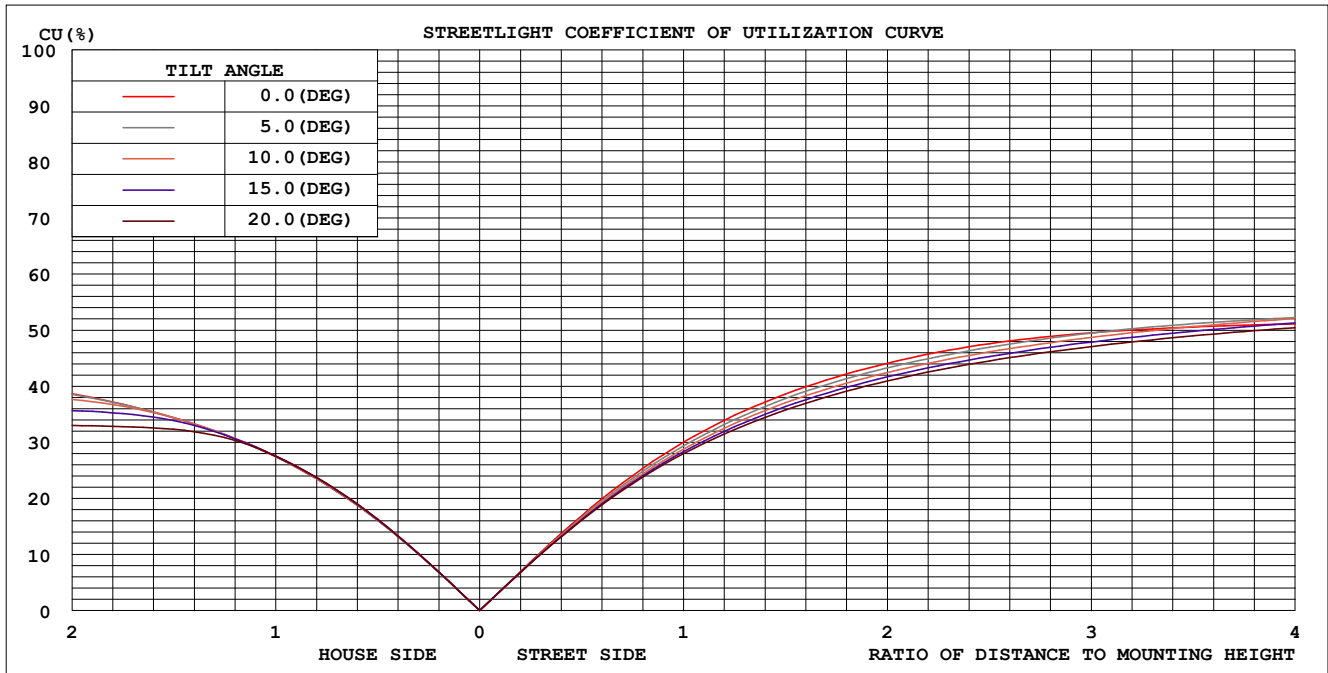
Max.80-90:62.06cd/klm

ISOCANDELA DIAGRAM

UNIT	cd
Imax=100%	16122
90%	14510
80%	12898
70%	11286
60%	9673
50%	8061
40%	6449
30%	4837
20%	3224
10%	1612
5%	806

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

gamma Range: 0 - 180DEG
gamma Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

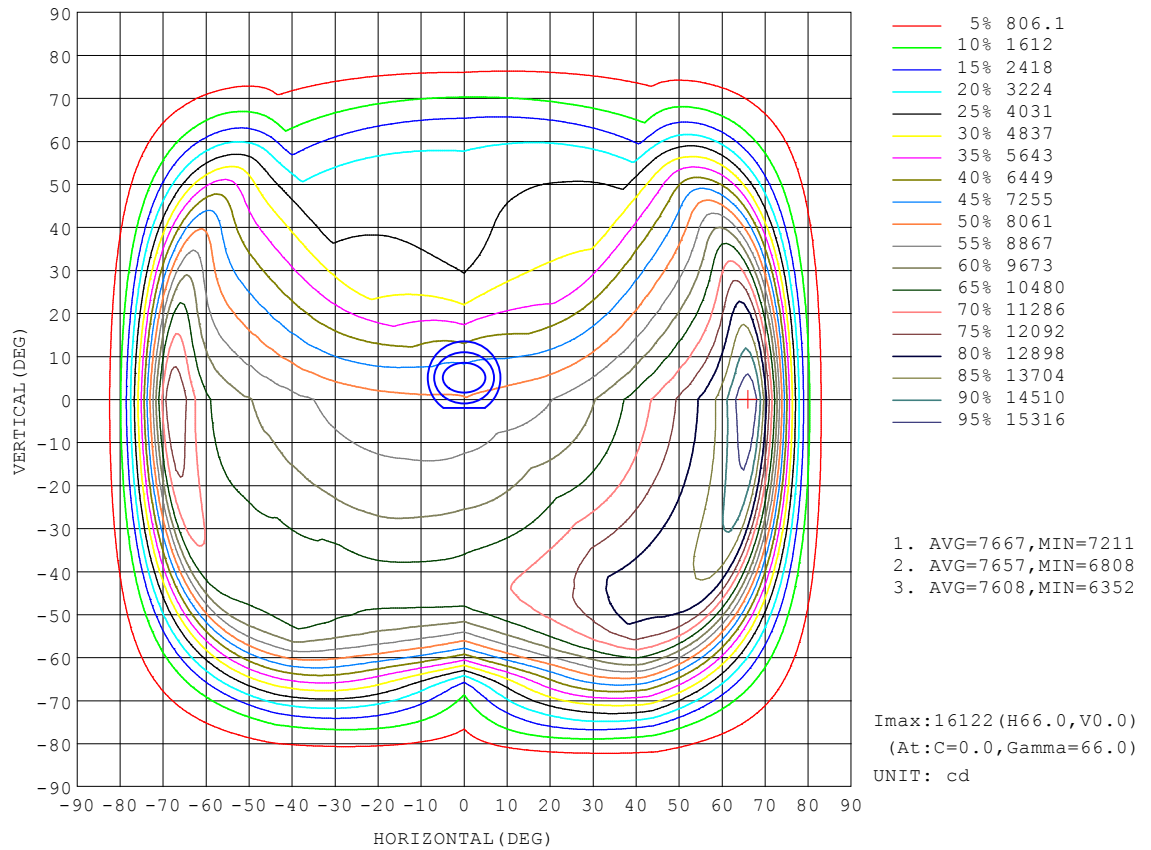
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	840.2	880.3	872.5	850.2	818.2	732.4	697.7	751.4	0- 10	772.7	772.7	2.04,2.04
20	883.3	950.9	929.9	890.2	834.2	605.2	515.7	655.5	10- 20	2248	3021	7.97,7.97
30	962.7	1038	1003	939.6	863.9	494.1	398.6	564.6	20- 30	3611	6632	17.5,17.5
40	1082	1153	1079	1015	910.2	427.2	373.8	502.8	30- 40	5015	11647	30.7,30.7
50	1221	1274	1009	1104	972.5	386.4	362.5	460.6	40- 50	6480	18128	47.8,47.8
60	1416	1306	601.7	1089	1064	320.0	300.3	382.4	50- 60	7502	25630	67.6,67.6
70	1330	904.8	143.1	677.7	1154	155.5	167.7	180.7	60- 70	7299	32928	86.9,86.9
80	177.8	235.2	57.24	149.4	153.6	54.27	56.83	63.73	70- 80	3477	36406	96,96
90	28.92	29.41	16.76	22.42	20.11	19.32	12.61	22.69	80- 90	570.3	36976	97.5,97.5
100	21.60	18.48	11.84	15.18	15.57	12.34	9.066	14.62	90-100	186.3	37162	98,98
110	20.16	14.88	10.13	11.89	16.29	12.28	11.22	14.31	100-110	149.6	37312	98.4,98.4
120	17.69	14.68	9.368	11.13	16.83	13.76	13.36	15.11	110-120	138.3	37450	98.8,98.8
130	16.70	14.31	9.491	10.79	17.88	15.60	14.40	15.84	120-130	126.8	37577	99.1,99.1
140	16.79	14.48	10.10	11.07	18.65	16.83	15.02	15.55	130-140	113.1	37690	99.4,99.4
150	16.62	14.86	11.04	11.20	18.09	17.04	15.89	14.96	140-150	93.67	37784	99.7,99.7
160	15.66	15.02	11.67	11.52	17.36	16.52	15.62	14.05	150-160	68.57	37852	99.9,99.9
170	16.06	15.11	13.02	11.99	16.58	15.77	14.86	13.21	160-170	41.56	37894	100,100
180	16.04	15.47	13.88	12.61	16.24	15.28	14.01	12.51	170-180	13.87	37908	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

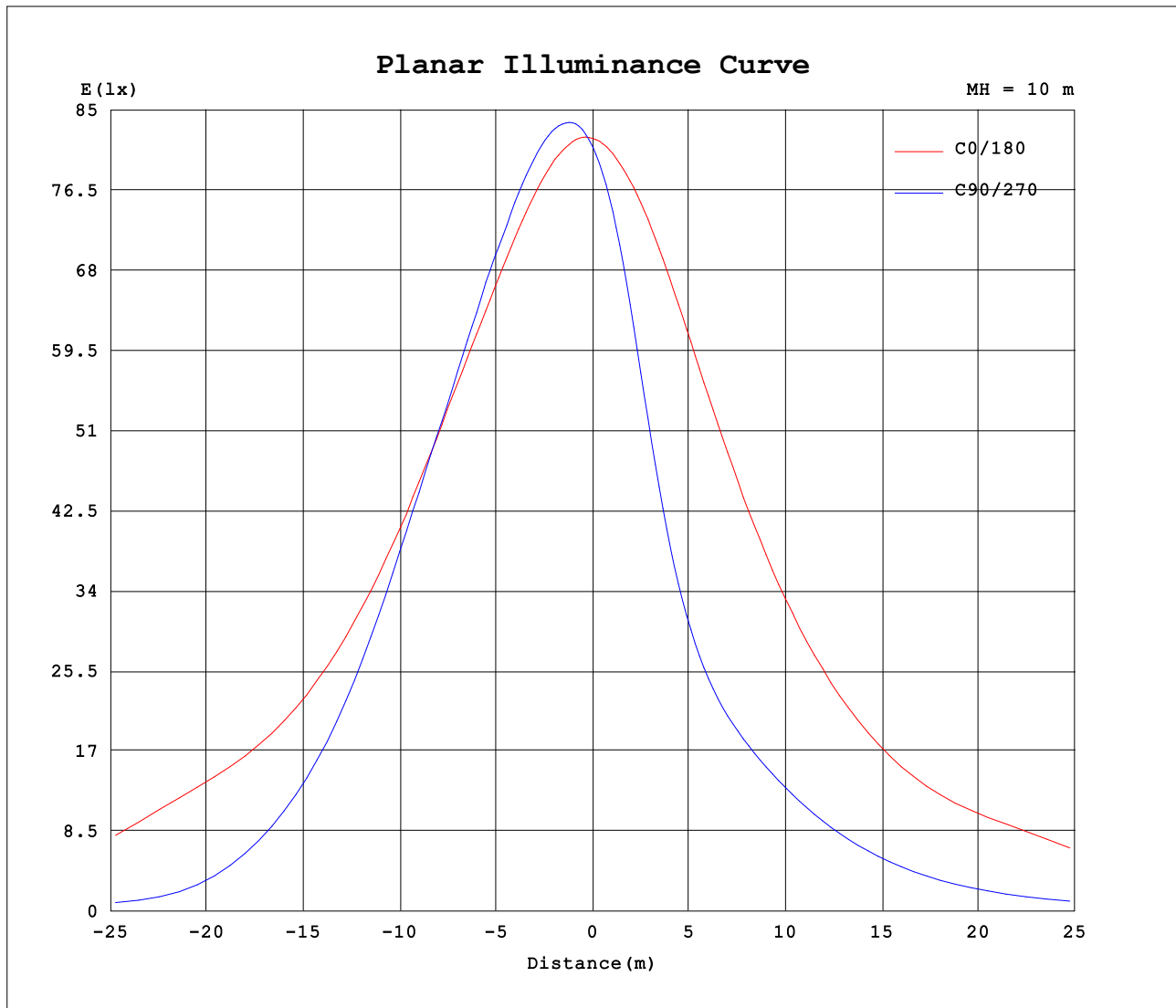
Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



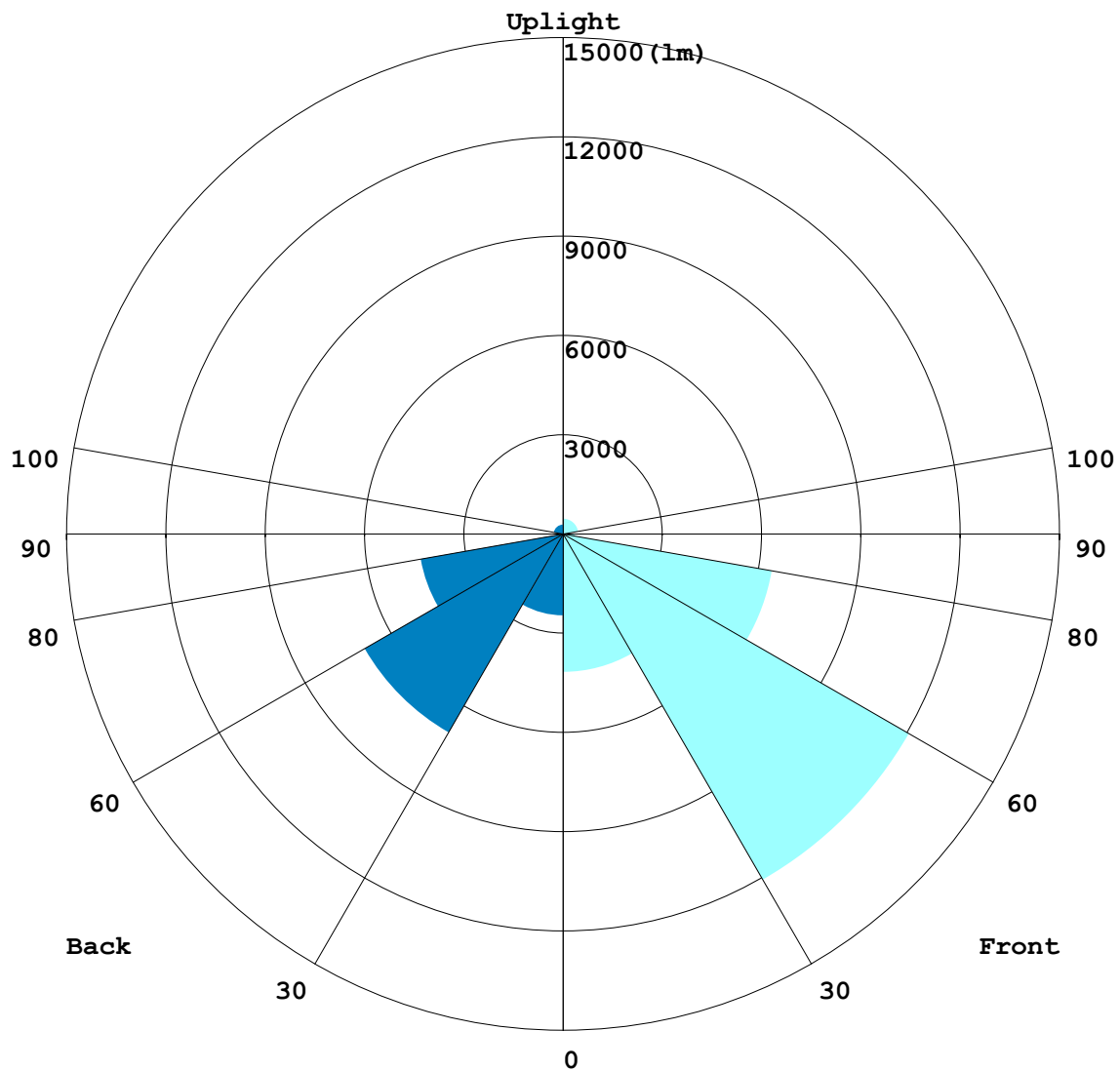
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LCS REPORT

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

BUG REPORT

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4172	11.0
FM - Front-Medium(30-60)	12069	31.8
FH - Front-High(60-80)	6405.7	16.9
FVH - Front-Very High(80-90)	360.65	1.0
Total Forward Light	23590	62.2

BL - Back-Low(0-30)	2460.2	6.5
BM - Back-Medium(30-60)	6927.9	18.3
BH - Back-High(60-80)	4370.4	11.5
BVH - Back-Very High(80-90)	209.6	0.6
Total Back Light	14318	37.8

UL - Uplight-Low(90-100)	186.28	0.5
UH - Uplight-High(100-180)	745.42	2.0
Total Up Light	931.69	2.5

BUG (Back,Up,Glare) Rating	B4-U4-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13968	349.47	14318
Street Side	23008	582.22	23590

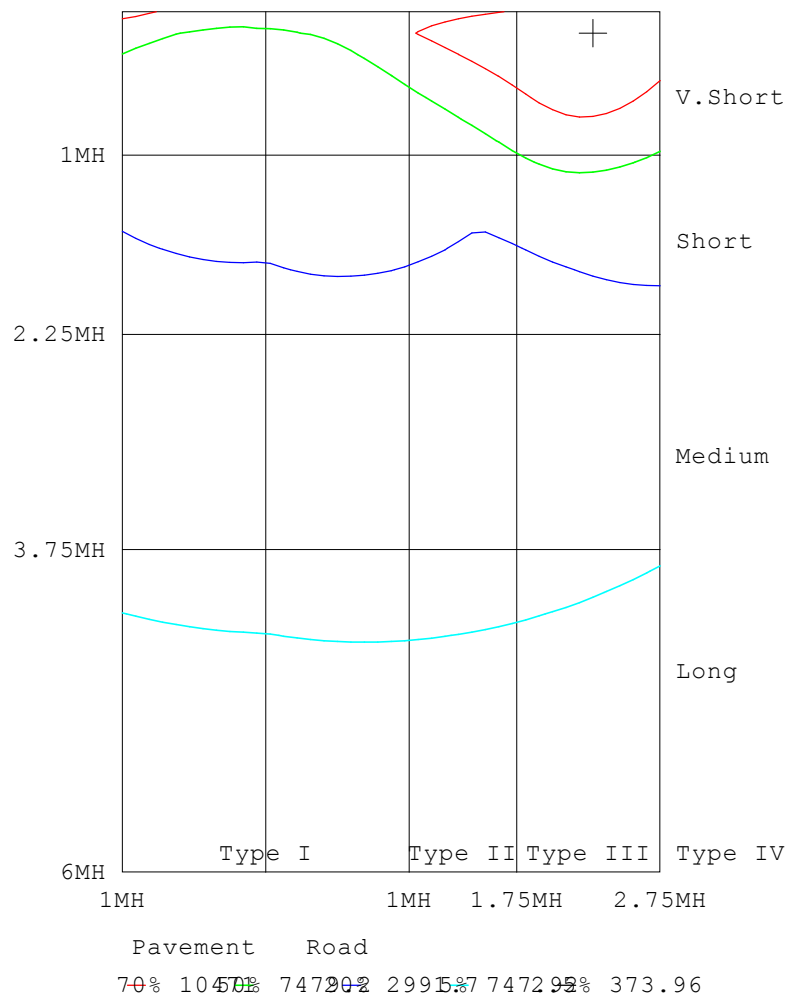
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.44V I:1.4855A P:320.30W PF:0.9871 Freq:49.99Hz Lamp Flux:37907.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	820	814	811	807	820	814	811	807										
5	828	846	845	830	817	778	766	782										
10	840	880	872	850	818	732	698	751										
15	859	915	901	870	825	671	608	709										
20	883	951	930	890	834	605	516	656										
25	918	991	963	912	848	545	443	607										
30	963	1038	1003	940	864	494	399	565										
35	1020	1087	1043	971	887	454	378	529										
40	1082	1153	1079	1015	910	427	374	503										
45	1148	1219	1082	1063	939	407	372	482										
50	1221	1274	1009	1104	973	386	363	461										
55	1301	1315	853	1121	1005	361	340	430										
60	1416	1306	602	1089	1064	320	300	382										
65	1597	1187	279	960	1229	244	246	292										
70	1330	905	143	678	1154	155	168	181										
75	654	553	93.4	384	575	91.0	86.6	106										
80	178	235	57.2	149	154	54.3	56.8	63.7										
85	56.7	68.6	31.8	50.6	46.3	31.0	28.9	38.2										
90	28.9	29.4	16.8	22.4	20.1	19.3	12.6	22.7										
95	23.0	23.2	13.1	19.1	15.8	14.1	9.21	17.1										
100	21.6	18.5	11.8	15.2	15.6	12.3	9.07	14.6										
105	20.9	15.6	10.6	12.8	15.9	12.1	9.93	14.3										
110	20.2	14.9	10.1	11.9	16.3	12.3	11.2	14.3										
115	18.9	14.8	9.54	11.4	16.6	13.1	12.4	14.8										
120	17.7	14.7	9.37	11.1	16.8	13.8	13.4	15.1										
125	17.0	14.5	9.36	10.9	17.1	14.6	14.0	15.5										
130	16.7	14.3	9.49	10.8	17.9	15.6	14.4	15.8										
135	16.7	14.4	9.74	10.9	18.5	16.3	14.5	15.7										
140	16.8	14.5	10.1	11.1	18.6	16.8	15.0	15.6										
145	16.8	14.7	10.6	11.1	18.4	17.1	15.6	15.3										
150	16.6	14.9	11.0	11.2	18.1	17.0	15.9	15.0										
155	15.8	15.0	11.3	11.4	17.7	16.8	15.9	14.5										
160	15.7	15.0	11.7	11.5	17.4	16.5	15.6	14.1										
165	16.1	15.1	12.5	11.7	17.0	16.2	15.3	13.6										
170	16.1	15.1	13.0	12.0	16.6	15.8	14.9	13.2										
175	16.0	15.3	13.4	12.3	16.3	15.5	14.4	12.8										
180	16.0	15.5	13.9	12.6	16.2	15.3	14.0	12.5										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-01

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks: