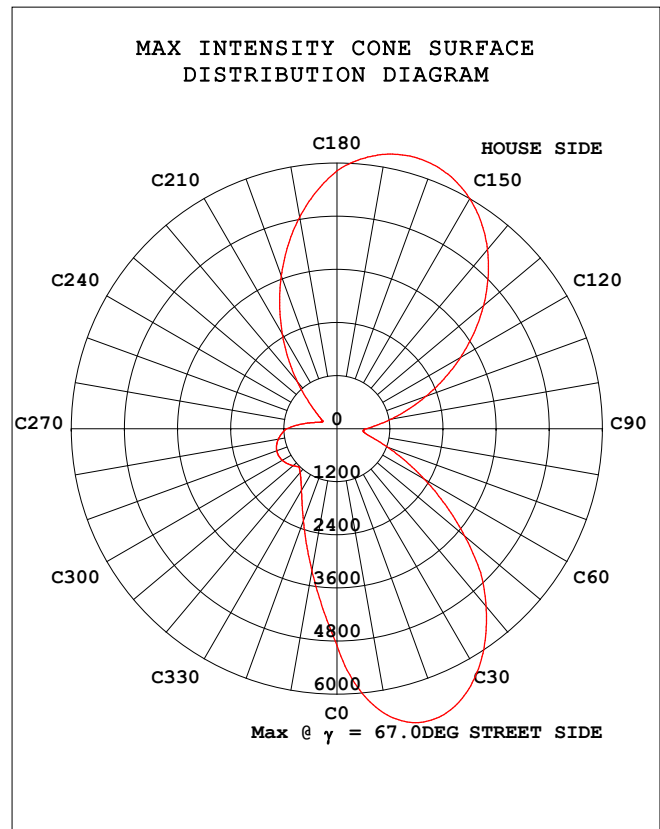
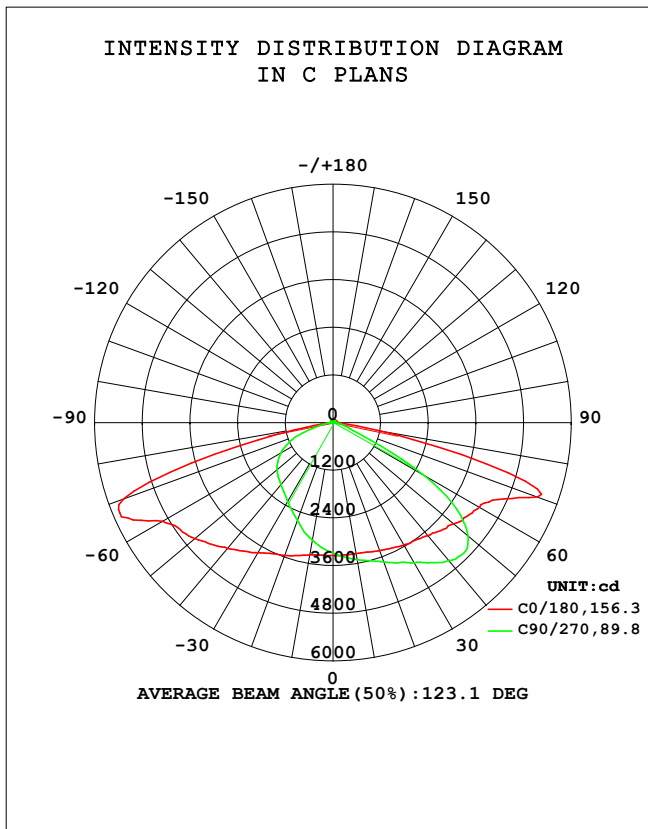


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.07 lm/W			
MODEL		Imax (cd)	5829	η street_up (%)	1.6
NOMINAL POWER (W)	150W	LOR (%)	100.0	η street_down (%)	56.7
RATED VOLTAGE (V)		TOTAL FLUX (lm)	16042	η house_up (%)	0.9
NOMINAL FLUX (lm)	16042.3	MAXIMUM @ (C, γ)	180, 67.0	η house_down (%)	40.8
LAMPS INSIDE	1	η up (%)	2.5	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	97.5	SLI	21.274

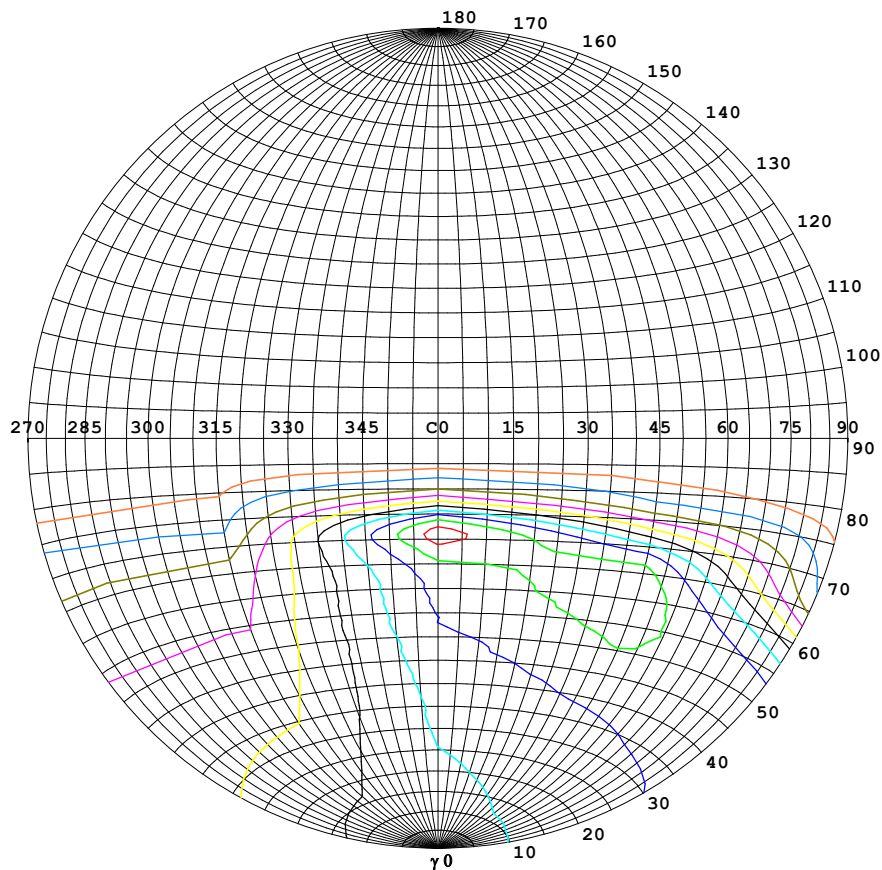


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-03-30

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:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



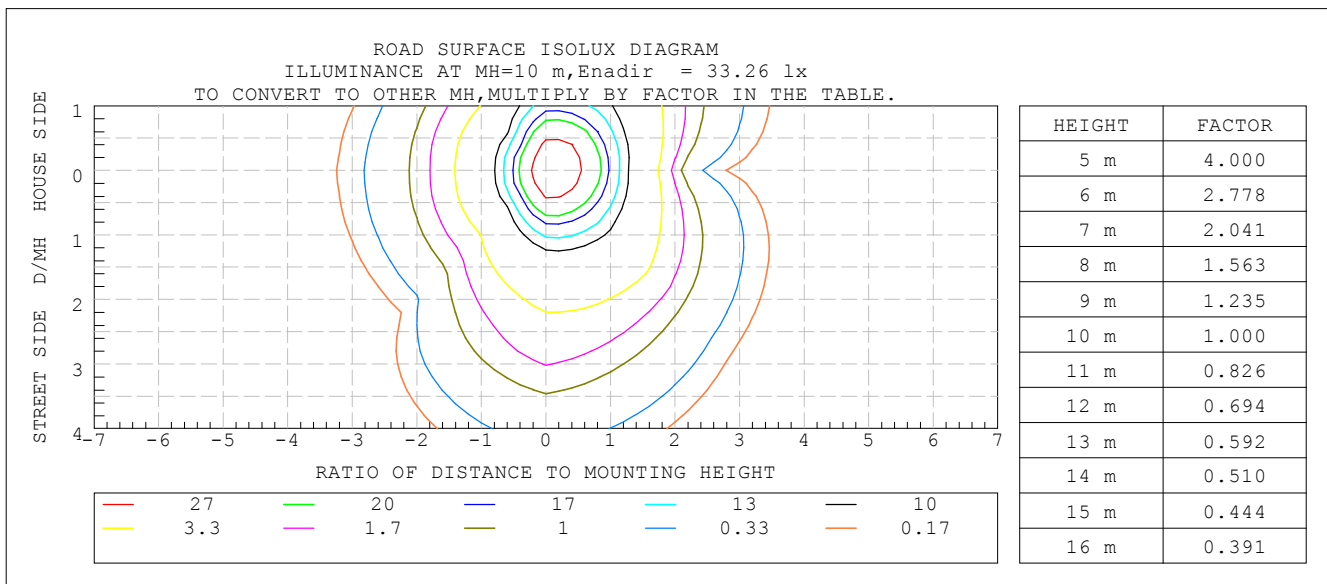
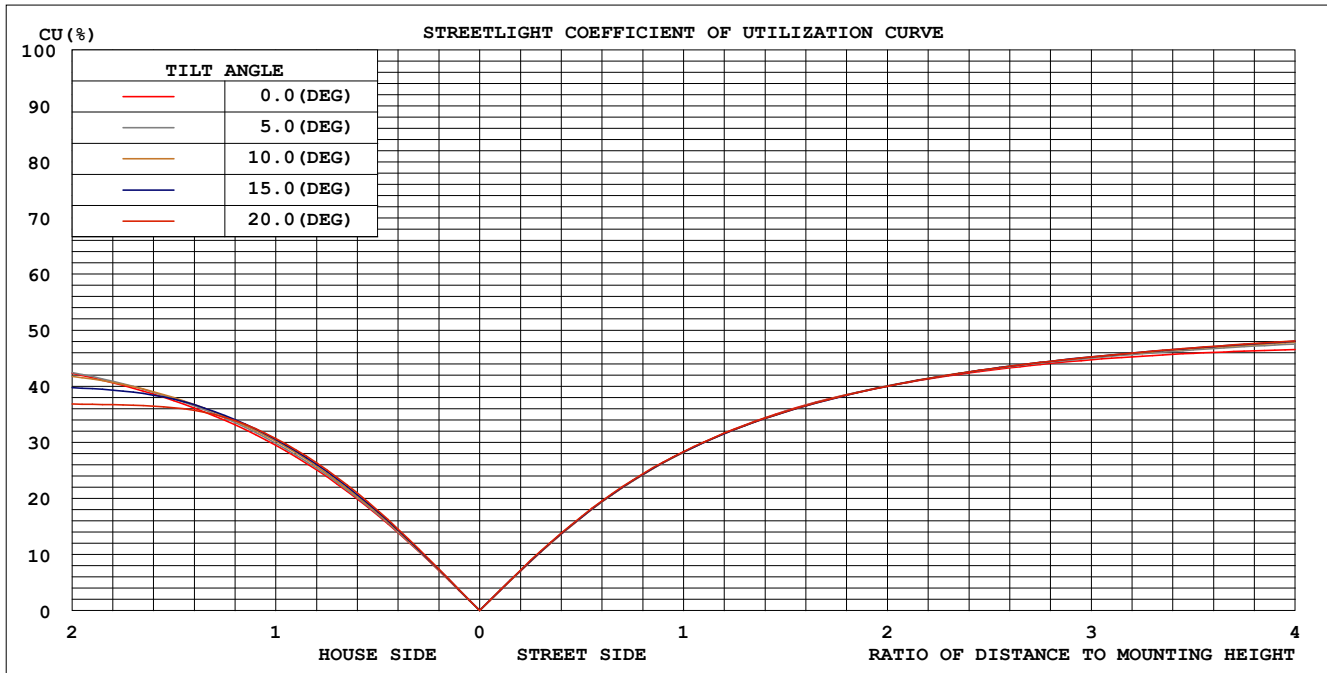
Classification:

IES:Type V - Medium
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:71.19cd/klm
Max.At90:7.710cd/klm
Max.80-90:71.19cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5829
90%	5246
80%	4663
70%	4080
60%	3497
50%	2914
40%	2331
30%	1749
20%	1166
10%	583
5%	291

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-30

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: 2024-03-30

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:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

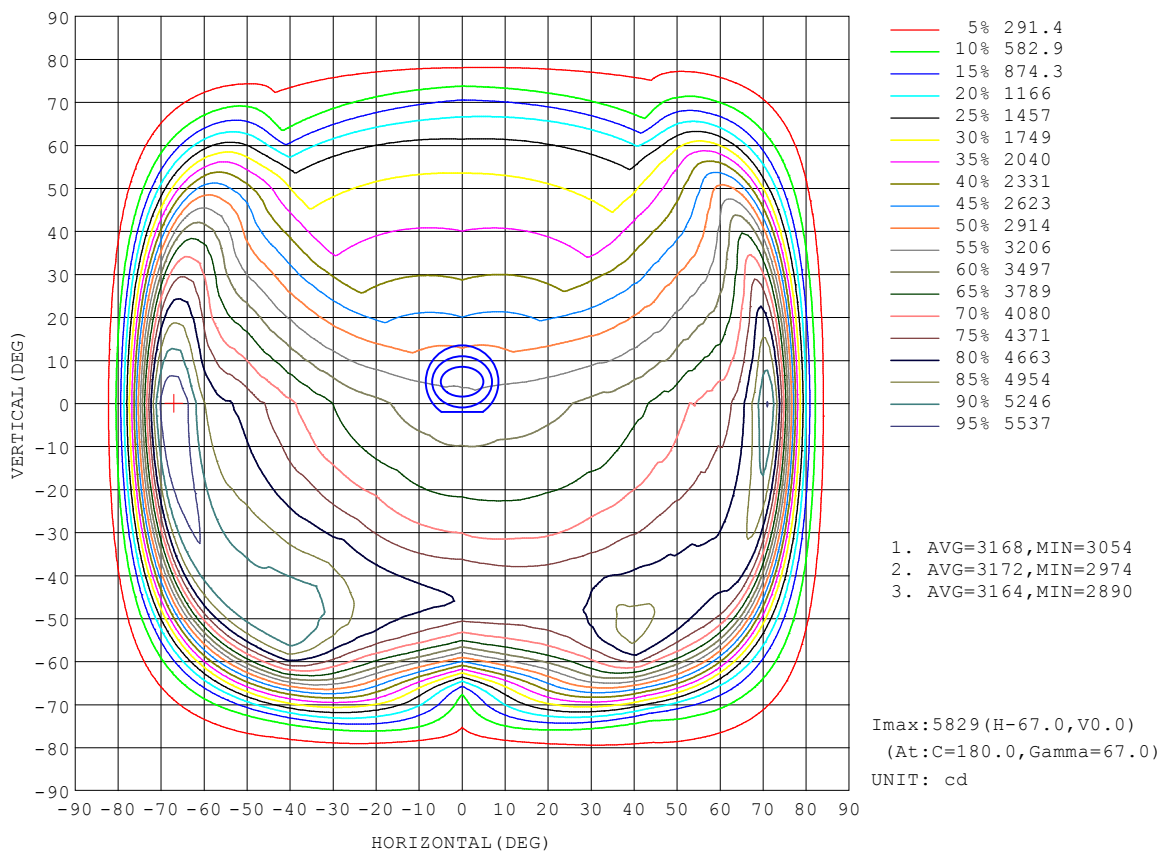
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	3351	3467	3501	3483	3384	3100	3006	3093	0- 10	315.1	315.1	1.96,1.96
20	3431	3628	3732	3743	3560	2805	2625	2812	10- 20	933.8	1249	7.78,7.78
30	3561	3827	4076	4124	3785	2470	2290	2489	20- 30	1530	2778	17.3,17.3
40	3715	4194	4535	4635	4138	2155	2041	2153	30- 40	2122	4901	30.5,30.5
50	3961	4637	4438	5108	4544	1875	1842	1845	40- 50	2709	7610	47.4,47.4
60	4264	5092	2617	5533	4970	1565	1514	1562	50- 60	3132	10741	67,67
70	5481	3667	452.8	3788	5601	620.1	922.7	870.8	60- 70	3093	13834	86.2,86.2
80	1142	401.2	179.3	389.9	669.6	228.3	212.8	275.4	70- 80	1594	15427	96.2,96.2
90	110.2	123.7	68.56	117.0	70.31	85.93	51.60	99.55	80- 90	207.0	15634	97.5,97.5
100	91.67	74.64	52.68	71.01	59.49	52.04	40.82	69.71	90-100	83.49	15718	98,98
110	85.73	61.23	44.09	55.69	61.03	50.61	45.59	67.62	100-110	63.58	15781	98.4,98.4
120	76.99	64.77	41.96	52.06	65.73	54.68	58.87	68.46	110-120	59.09	15840	98.7,98.7
130	71.56	64.95	42.40	50.40	71.93	63.99	64.15	70.28	120-130	54.91	15895	99.1,99.1
140	73.66	66.53	46.02	50.58	74.55	71.35	68.09	72.10	130-140	49.55	15945	99.4,99.4
150	75.87	68.04	51.10	51.55	73.32	73.21	72.80	69.52	140-150	41.67	15987	99.7,99.7
160	73.27	68.85	55.28	52.68	71.75	71.63	71.75	64.15	150-160	30.85	16017	99.8,99.8
170	71.51	68.44	58.93	54.46	71.32	69.78	67.54	60.66	160-170	18.66	16036	100,100
180	70.79	69.20	62.83	57.32	71.74	68.49	63.46	57.77	170-180	6.220	16042	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-30

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

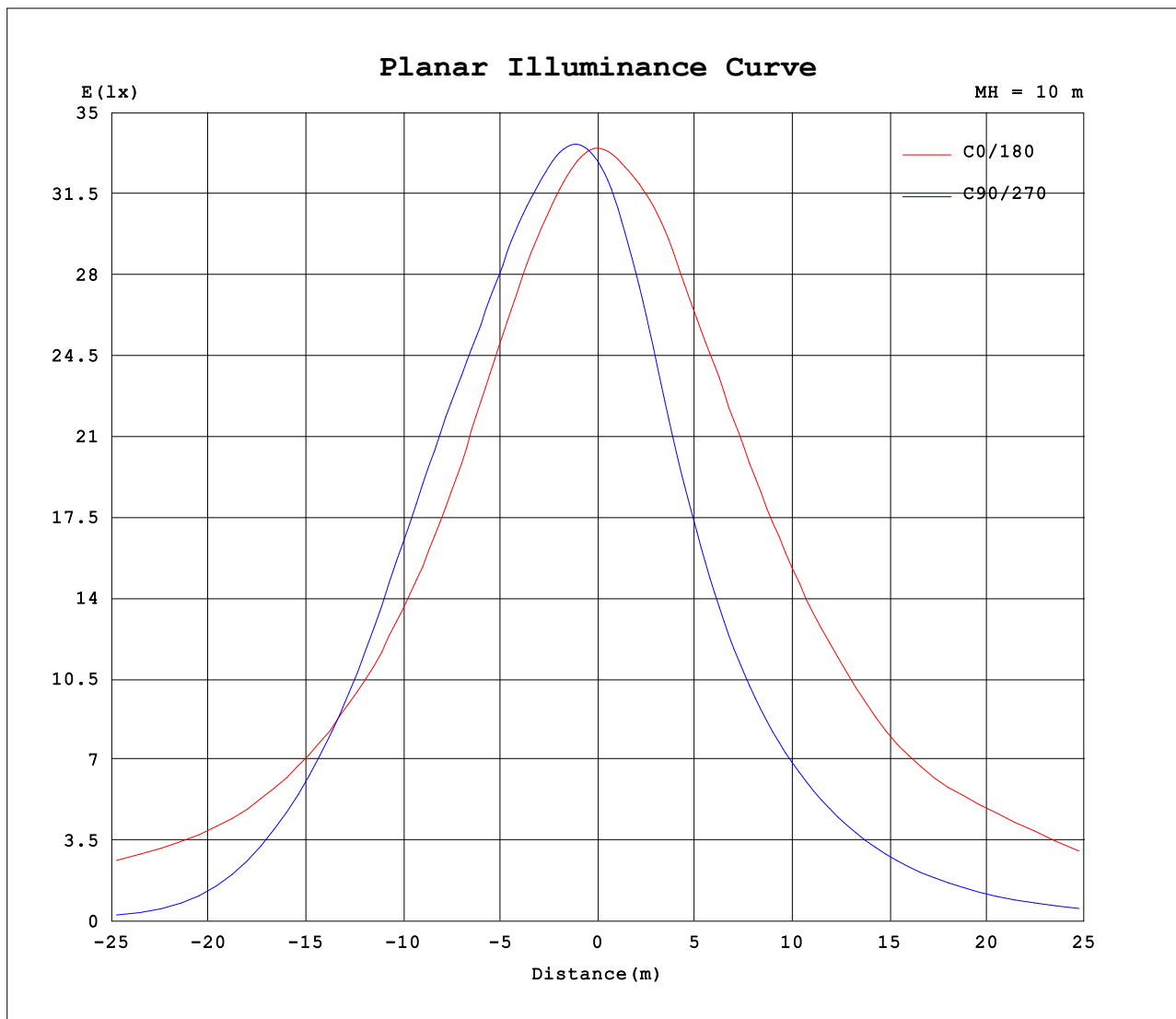
Test:U:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-30

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



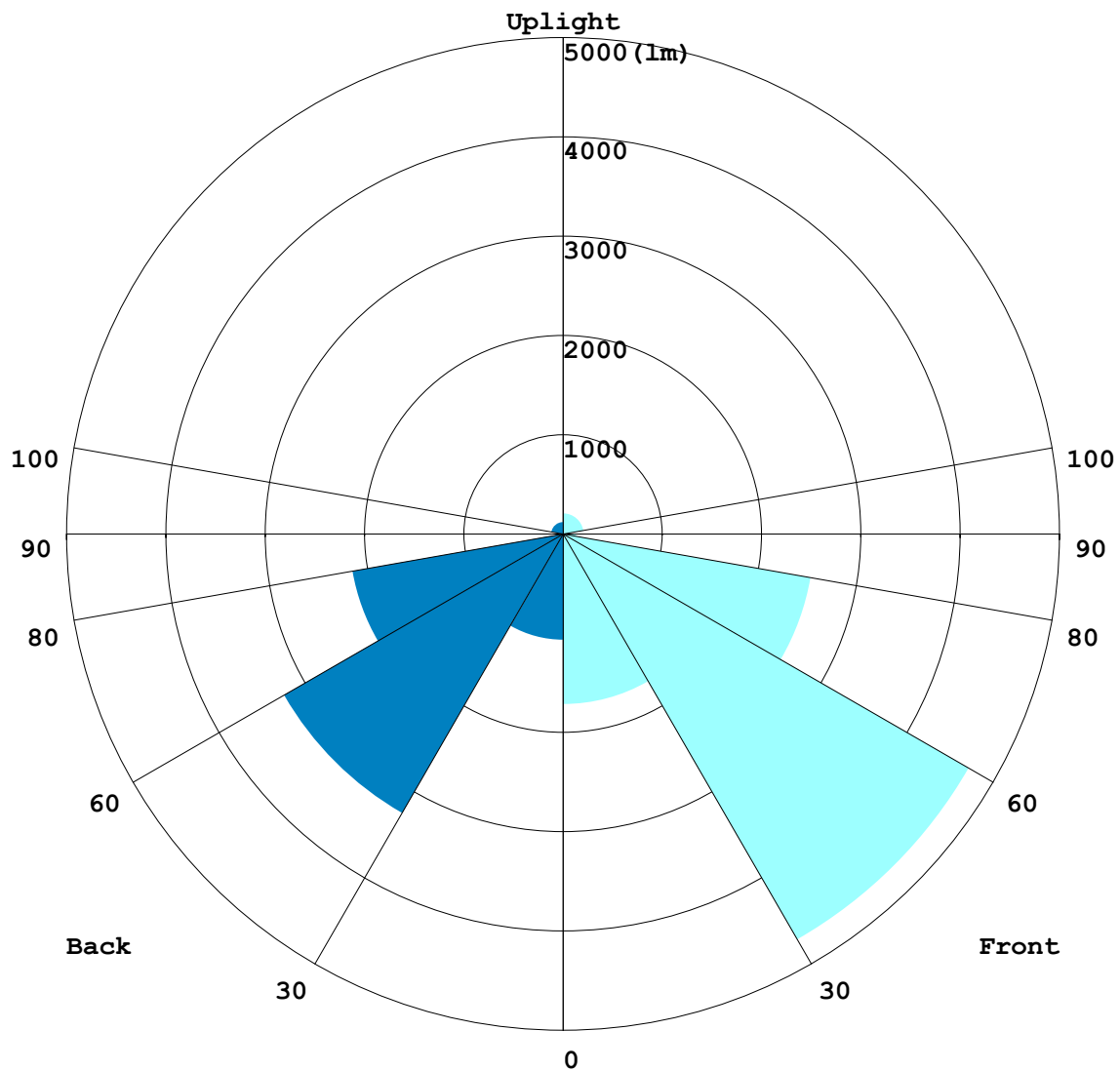
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-03-30

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:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 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:2024-03-30

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:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 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)	1712.6	10.7
FM - Front-Medium(30-60)	4716.5	29.4
FH - Front-High(60-80)	2531.1	15.8
FVH - Front-Very High(80-90)	132.65	0.8
Total Forward Light	9352	58.3

BL - Back-Low(0-30)	1065.8	6.6
BM - Back-Medium(30-60)	3246.2	20.2
BH - Back-High(60-80)	2155.1	13.4
BVH - Back-Very High(80-90)	74.38	0.5
Total Back Light	6690.4	41.7

UL - Uplight-Low(90-100)	83.493	0.5
UH - Uplight-High(100-180)	324.53	2.0
Total Up Light	408.02	2.5

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6541.5	148.86	6690.4
Street Side	9092.8	259.16	9352

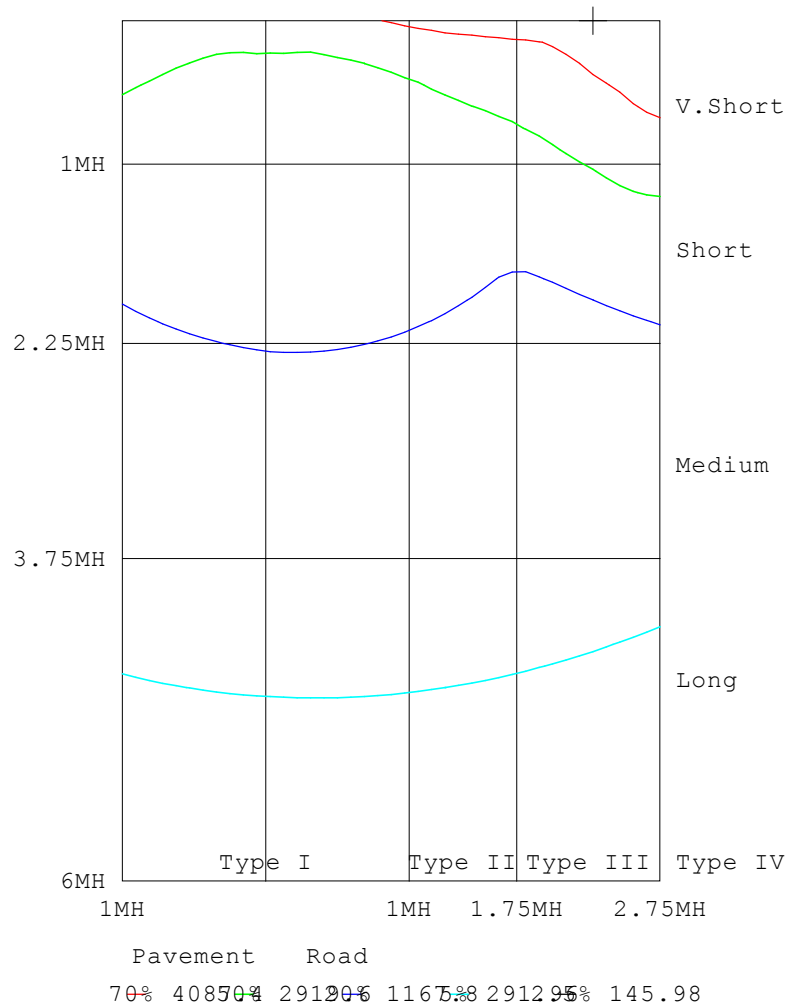
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-03-30

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:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 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:2024-03-30

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:218.46V I:0.6948A P:149.84W PF:0.9871 Freq:49.99Hz Lamp Flux:16042.3x1 lm								
NAME:				TYPE:				WEIGHT:
SPEC.:				DIM.:				SERIAL No.:
MFR.: EVERFINE				SUR.:				Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	3348	3305	3291	3276	3348	3305	3291	3276										
5	3347	3384	3400	3368	3351	3212	3166	3193										
10	3351	3467	3501	3483	3384	3100	3006	3093										
15	3377	3548	3601	3609	3467	2954	2835	2965										
20	3431	3628	3732	3743	3560	2805	2625	2812										
25	3488	3716	3895	3914	3641	2644	2450	2659										
30	3561	3827	4076	4124	3785	2470	2290	2489										
35	3609	3963	4303	4335	3947	2301	2151	2316										
40	3715	4194	4535	4635	4138	2155	2041	2153										
45	3839	4388	4649	4841	4330	2002	1948	1981										
50	3961	4637	4438	5108	4544	1875	1842	1845										
55	4114	4874	3810	5401	4691	1740	1699	1725										
60	4264	5092	2617	5533	4970	1565	1514	1562										
65	4588	4905	1053	5229	5693	1216	1252	1357										
70	5481	3667	453	3788	5601	620	923	871										
75	3985	1638	299	1721	3100	348	474	432										
80	1142	401	179	390	670	228	213	275										
85	214	197	98.7	170	153	133	110	169										
90	110	124	68.6	117	70.3	85.9	51.6	99.6										
95	101	100	60.9	90.2	62.5	67.9	42.3	85.6										
100	91.7	74.6	52.7	71.0	59.5	52.0	40.8	69.7										
105	87.5	63.2	47.4	60.4	58.9	48.3	42.7	65.5										
110	85.7	61.2	44.1	55.7	61.0	50.6	45.6	67.6										
115	81.4	62.5	42.5	52.8	63.4	51.6	54.2	67.7										
120	77.0	64.8	42.0	52.1	65.7	54.7	58.9	68.5										
125	73.2	65.2	41.8	50.5	68.3	58.9	62.1	68.8										
130	71.6	64.9	42.4	50.4	71.9	64.0	64.1	70.3										
135	71.9	65.6	43.9	50.9	74.3	68.4	66.0	71.9										
140	73.7	66.5	46.0	50.6	74.5	71.3	68.1	72.1										
145	75.4	67.2	48.6	51.0	74.1	72.9	70.9	71.5										
150	75.9	68.0	51.1	51.5	73.3	73.2	72.8	69.5										
155	74.6	68.6	53.2	52.1	72.5	72.4	72.9	67.0										
160	73.3	68.9	55.3	52.7	71.7	71.6	71.8	64.2										
165	72.3	68.7	57.3	53.5	71.3	70.8	69.6	62.7										
170	71.5	68.4	58.9	54.5	71.3	69.8	67.5	60.7										
175	71.1	68.7	61.0	55.6	71.6	69.0	65.1	58.5										
180	70.8	69.2	62.8	57.3	71.7	68.5	63.5	57.8										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-30

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: