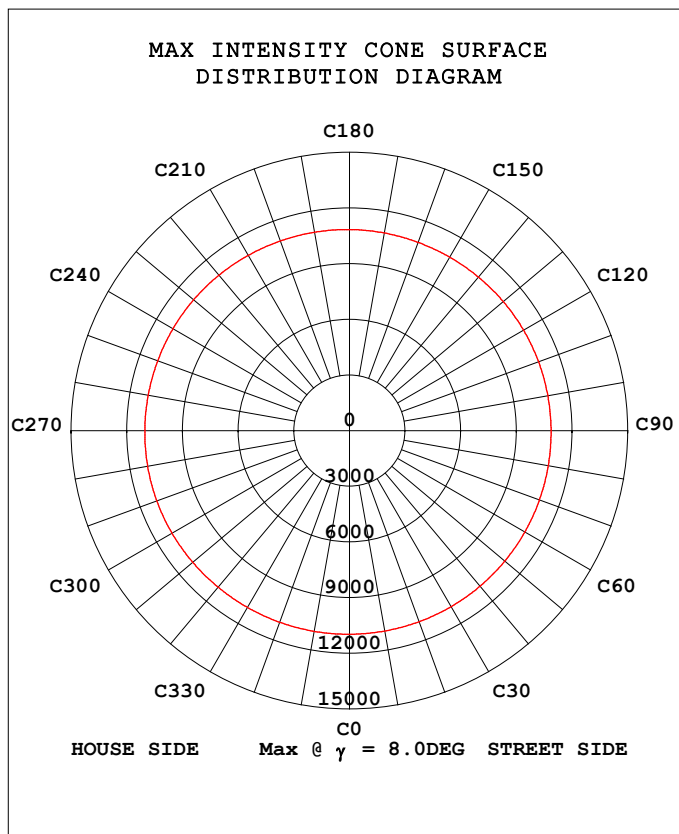
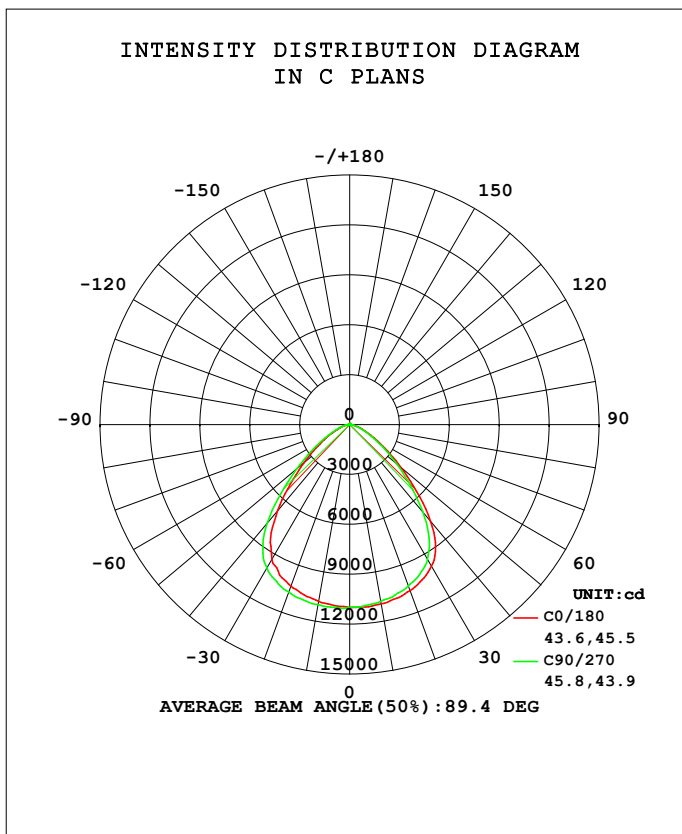


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.46 lm/W			
MODEL		I _{max} (cd)	11056	η street_up (%)	0.3
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	48.7
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	22642	η house_up (%)	0.2
NOMINAL FLUX (lm)	22641.8	MAXIMUM @ (C, γ)	293,8.0	η house_down (%)	50.8
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	21.510

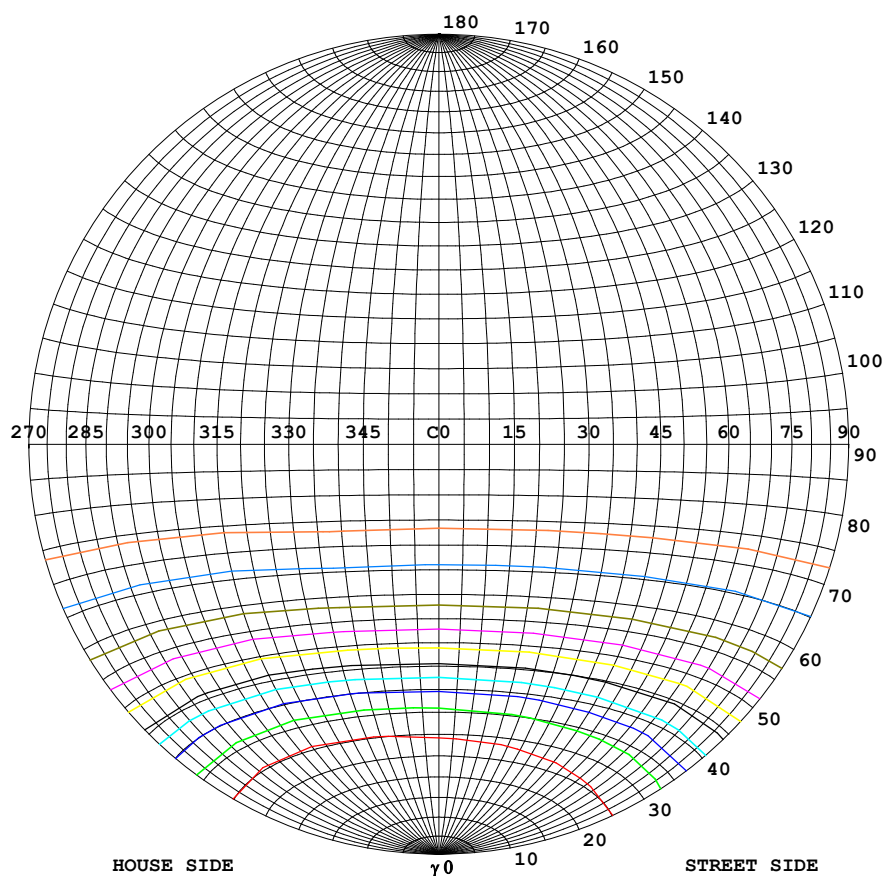


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



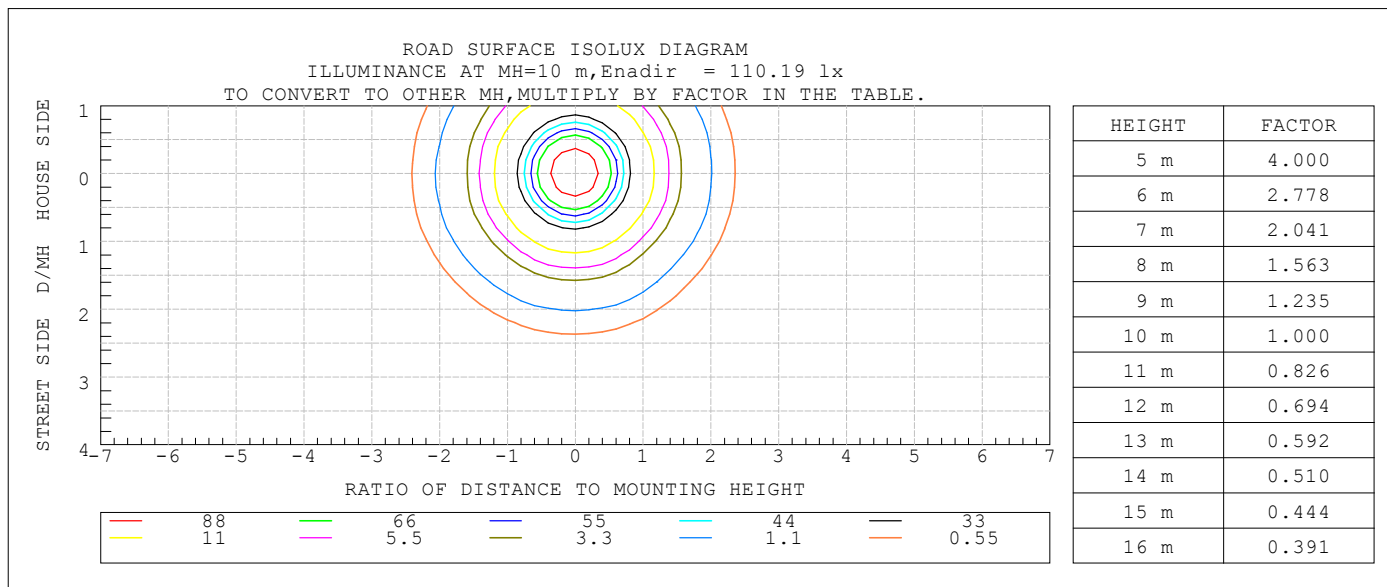
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.05cd/klm
Max.At90:0.2240cd/klm
Max.80-90:11.05cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	11056
90%	9951
80%	8845
70%	7739
60%	6634
50%	5528
40%	4423
30%	3317
20%	2211
10%	1106
5%	553

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4 °C
Operators: DAMIN
Test Date: 2023-12-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

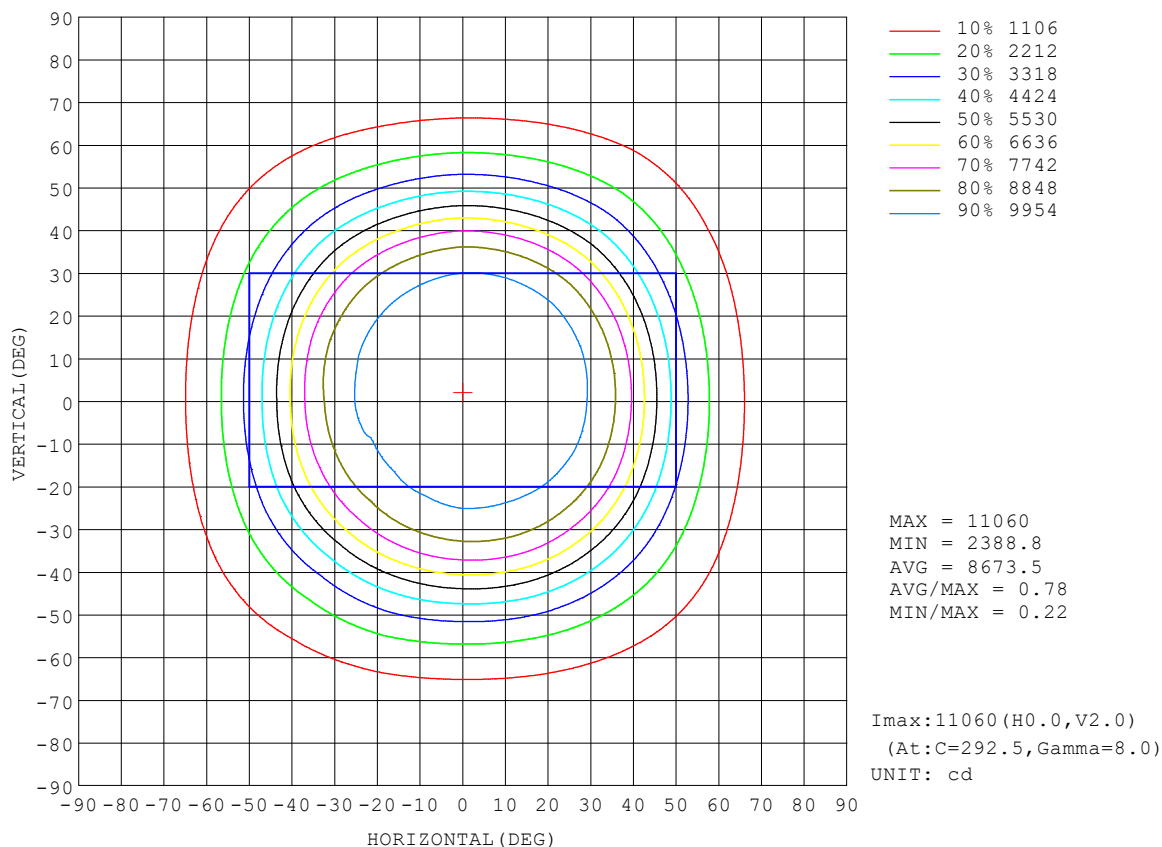
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1095	1086	1078	1076	1080	1089	1099	1101	0- 10	1045	1045	4.61,4.61
20	1062	1048	1032	1021	1035	1053	1072	1077	10- 20	3034	4078	18,18
30	984.2	961.8	937.0	914.9	935.8	969.3	995.3	1001	20- 30	4675	8753	38.7,38.7
40	756.6	720.9	686.1	655.7	674.5	738.0	770.6	780.6	30- 40	5372	14125	62.4,62.4
50	406.1	392.3	372.0	350.0	363.3	394.7	417.0	425.8	40- 50	4225	18350	81,81
60	183.9	177.9	170.2	158.3	167.4	180.0	190.3	193.3	50- 60	2441	20791	91.8,91.8
70	76.21	73.13	69.93	66.31	68.38	73.82	78.72	80.00	60- 70	1178	21969	97,97
80	23.98	23.16	22.57	21.72	22.70	23.46	24.86	25.03	70- 80	479.1	22448	99.1,99.1
90	0.5072	0.4499	0.4705	0.3835	0.3670	0.1979	0.2209	0.2514	80- 90	93.84	22542	99.6,99.6
100	0.6216	0.5424	0.5890	0.5151	0.2326	0.1556	0.1734	0.1855	90-100	3.628	22546	99.6,99.6
110	0.8729	0.9259	0.9819	0.9143	0.2709	0.1976	0.2229	0.2091	100-110	4.775	22551	99.6,99.6
120	1.398	1.560	1.631	1.573	0.4842	0.3850	0.4027	0.3441	110-120	7.326	22558	99.6,99.6
130	2.140	2.289	2.383	2.341	1.036	0.9440	0.9265	0.8605	120-130	11.30	22569	99.7,99.7
140	2.978	3.093	3.219	3.203	1.901	1.785	1.736	1.683	130-140	15.51	22585	99.7,99.7
150	3.936	4.053	4.174	4.171	2.973	2.852	2.799	2.763	140-150	18.42	22603	99.8,99.8
160	4.848	4.943	5.022	5.046	4.360	4.196	4.132	4.097	150-160	18.39	22622	99.9,99.9
170	5.819	5.880	5.909	5.896	5.762	5.655	5.608	5.592	160-170	14.47	22636	100,100
180	6.030	6.003	5.996	5.973	6.139	6.106	6.099	6.083	170-180	5.770	22642	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

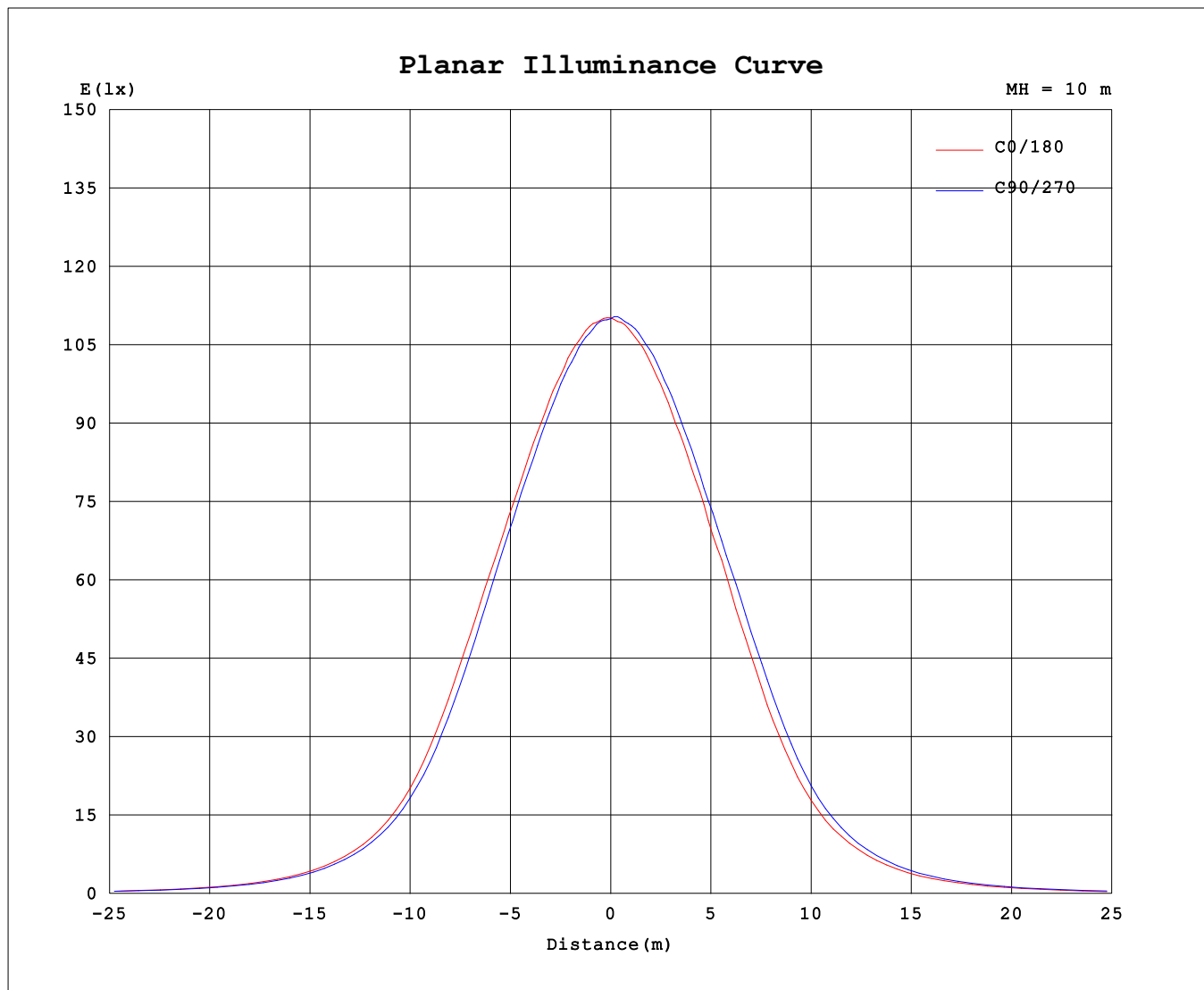
Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve

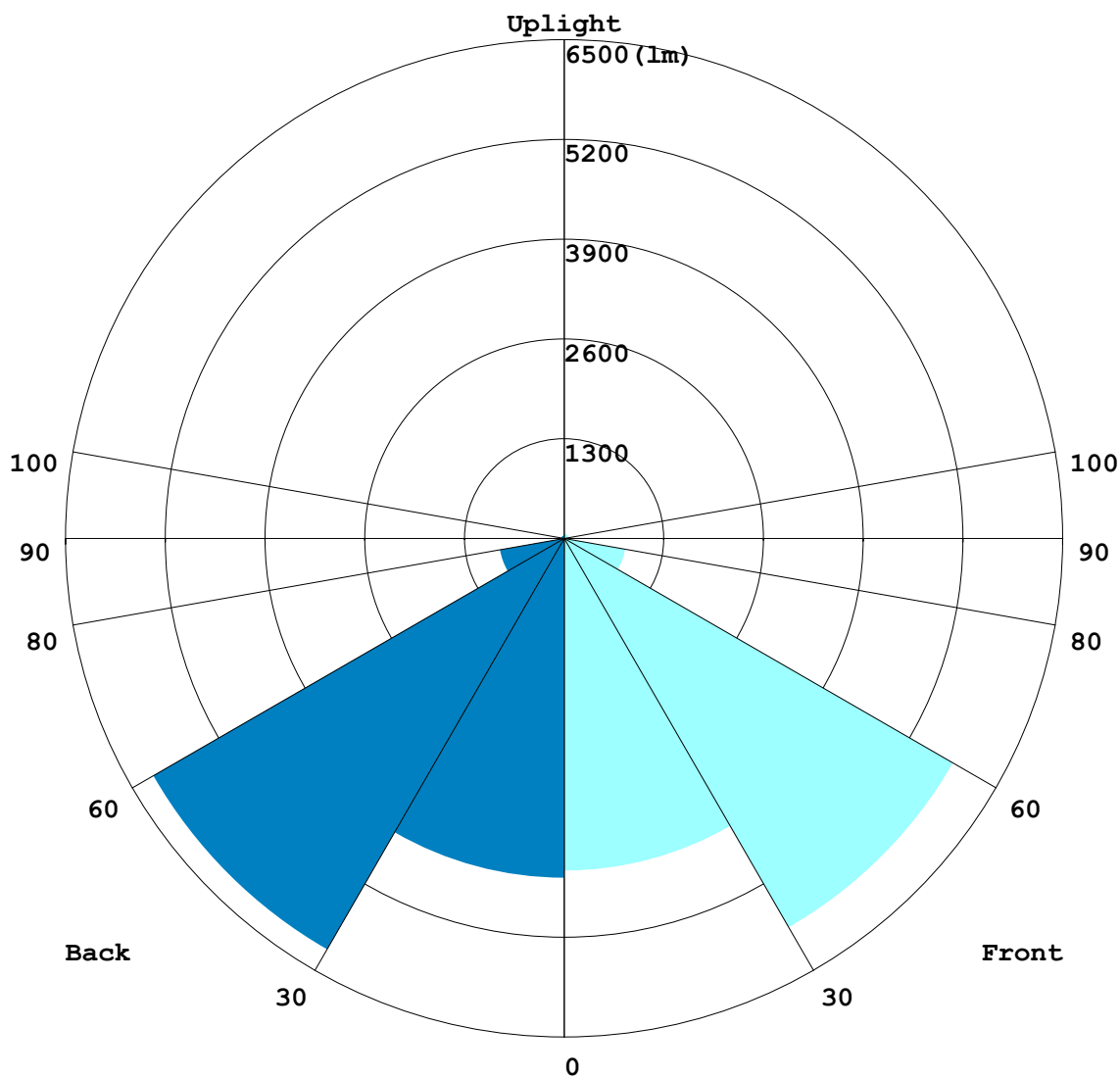


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4 °C
Operators: DAMIN
Test Date: 2023-12-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

LCS REPORT

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.4℃
 Operators:DAMIN
 Test Date:2023-12-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
 Humidity: 100.0%
 Test Distance:26.000m [K=0.4205]
 Remarks:

BUG REPORT

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 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)	4329.7	19.1
FM - Front-Medium(30-60)	5853.6	25.9
FH - Front-High(60-80)	807.76	3.6
FVH - Front-Very High(80-90)	46.428	0.2
Total Forward Light	11101	49.0

BL - Back-Low(0-30)	4423.4	19.5
BM - Back-Medium(30-60)	6184.2	27.3
BH - Back-High(60-80)	849.78	3.8
BVH - Back-Very High(80-90)	47.411	0.2
Total Back Light	11541	51.0

UL - Uplight-Low(90-100)	3.6279	0.0
UH - Uplight-High(100-180)	95.969	0.4
Total Up Light	99.597	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11505	36.22	11541
Street Side	11037	63.377	11101

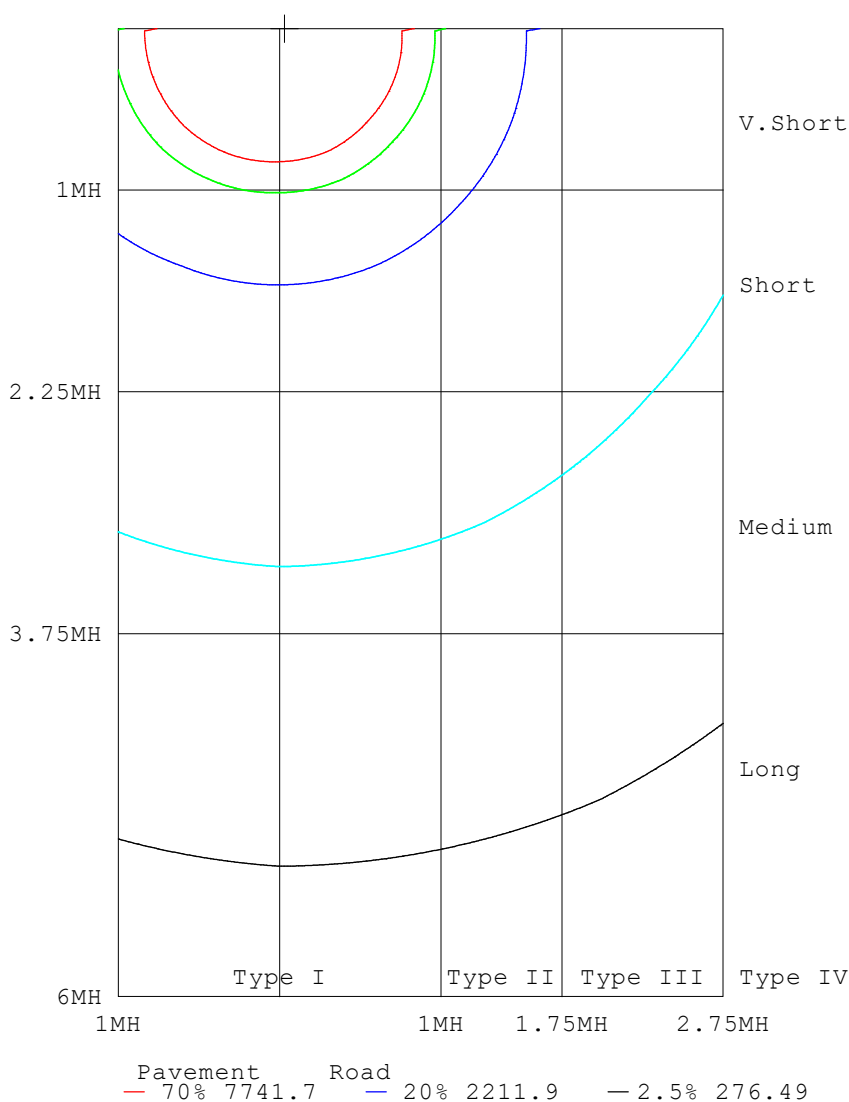
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:280.53V I:0.5101A P:141.99W PF:0.9922 Freq:60.01Hz Lamp Flux:22641.8x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:						Shielding Angle:		

Table--1

UNIT: X10cd

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	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099	1099			
5	1101	1098	1096	1093	1092	1091	1090	1091	1091	1094	1098	1100	1103	1104	1102	1103			
10	1095	1091	1086	1082	1078	1076	1076	1077	1080	1083	1089	1094	1099	1105	1101	1100			
15	1083	1077	1070	1065	1060	1056	1055	1057	1061	1065	1075	1083	1090	1096	1093	1091			
20	1062	1056	1048	1040	1032	1027	1021	1020	1035	1040	1053	1062	1072	1079	1077	1072			
25	1030	1024	1015	1004	996	986	977	982	997	1005	1021	1032	1041	1050	1047	1042			
30	984	976	962	949	937	922	915	918	936	951	969	981	995	1004	1001	996			
35	901	890	868	852	833	816	804	809	830	856	882	895	911	919	919	914			
40	757	747	721	707	686	667	656	669	674	707	738	751	771	777	781	772			
45	569	564	546	536	517	506	491	506	505	529	555	565	583	590	594	583			
50	406	403	392	387	372	367	350	363	363	377	395	402	417	423	426	416			
55	278	277	268	265	257	256	239	250	249	261	272	277	287	290	292	279			
60	184	183	178	175	170	170	158	165	167	173	180	183	190	194	193	181			
65	121	120	116	115	112	112	104	108	110	113	118	120	125	127	127	118			
70	76.2	75.9	73.1	71.7	69.9	69.7	66.3	67.7	68.4	70.1	73.8	75.4	78.7	80.0	80.0	74.1			
75	46.0	46.2	44.0	43.6	42.3	42.4	39.3	40.7	42.6	40.9	44.8	45.3	47.8	48.2	48.5	44.4			
80	24.0	24.1	23.2	23.0	22.6	22.4	21.7	21.7	22.7	21.8	23.5	23.7	24.9	24.9	25.0	23.1			
85	7.73	7.96	7.46	7.65	7.38	7.61	7.17	7.09	7.53	6.92	7.61	7.39	8.03	7.74	8.07	7.33			
90	0.51	0.45	0.45	0.48	0.47	0.45	0.38	0.29	0.37	0.22	0.20	0.21	0.22	0.22	0.25	0.27			
95	0.53	0.46	0.46	0.49	0.49	0.46	0.41	0.32	0.27	0.21	0.15	0.17	0.17	0.17	0.18	0.23			
100	0.62	0.54	0.54	0.58	0.59	0.56	0.52	0.41	0.23	0.20	0.16	0.17	0.17	0.17	0.19	0.21			
105	0.74	0.68	0.70	0.74	0.75	0.71	0.68	0.57	0.24	0.20	0.17	0.18	0.19	0.18	0.20	0.21			
110	0.87	0.88	0.93	0.96	0.98	0.93	0.91	0.81	0.27	0.21	0.20	0.21	0.22	0.21	0.21	0.20			
115	1.09	1.14	1.22	1.25	1.28	1.22	1.22	1.14	0.35	0.26	0.25	0.26	0.28	0.26	0.22	0.21			
120	1.40	1.45	1.56	1.60	1.63	1.58	1.57	1.52	0.48	0.40	0.38	0.41	0.40	0.38	0.34	0.34			
125	1.75	1.80	1.91	1.97	2.00	1.97	1.95	1.90	0.69	0.63	0.61	0.63	0.59	0.56	0.55	0.55			
130	2.14	2.17	2.29	2.36	2.38	2.37	2.34	2.31	1.04	0.97	0.94	0.96	0.93	0.88	0.86	0.86			
135	2.54	2.56	2.67	2.75	2.78	2.78	2.76	2.72	1.45	1.38	1.34	1.35	1.30	1.27	1.25	1.24			
140	2.98	2.98	3.09	3.18	3.22	3.23	3.20	3.17	1.90	1.82	1.78	1.78	1.74	1.71	1.68	1.69			
145	3.45	3.46	3.57	3.64	3.70	3.71	3.69	3.66	2.43	2.36	2.32	2.31	2.26	2.24	2.22	2.24			
150	3.94	3.95	4.05	4.12	4.17	4.19	4.17	4.14	2.97	2.89	2.85	2.84	2.80	2.78	2.76	2.78			
155	4.39	4.40	4.50	4.56	4.62	4.62	4.63	4.58	3.61	3.53	3.48	3.48	3.43	3.42	3.39	3.42			
160	4.85	4.85	4.94	4.98	5.02	5.03	5.05	5.02	4.36	4.25	4.20	4.17	4.13	4.13	4.10	4.13			
165	5.30	5.29	5.40	5.40	5.43	5.46	5.46	5.44	5.15	5.06	5.01	4.97	4.95	4.93	4.90	4.90			
170	5.82	5.80	5.88	5.86	5.91	5.90	5.90	5.92	5.76	5.72	5.66	5.65	5.61	5.60	5.59	5.60			
175	6.21	6.21	6.23	6.24	6.25	6.29	6.29	6.24	6.27	6.20	6.21	6.20	6.17	6.17	6.15	6.18			
180	6.03	5.99	6.00	5.98	6.00	5.99	5.97	5.97	6.14	6.11	6.11	6.11	6.10	6.10	6.08	6.07			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: