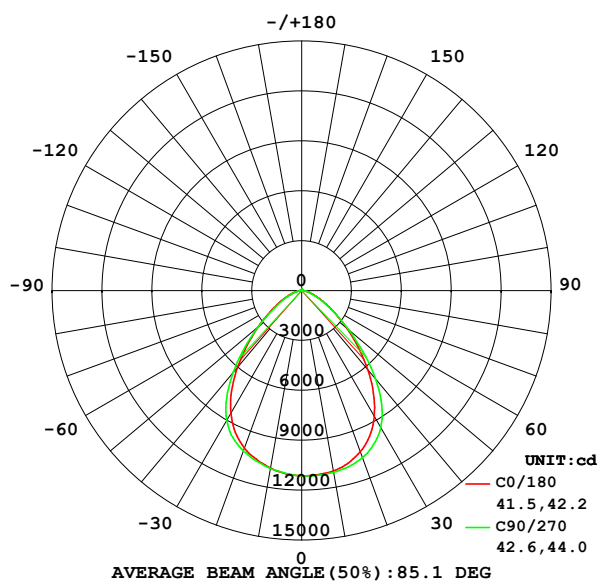
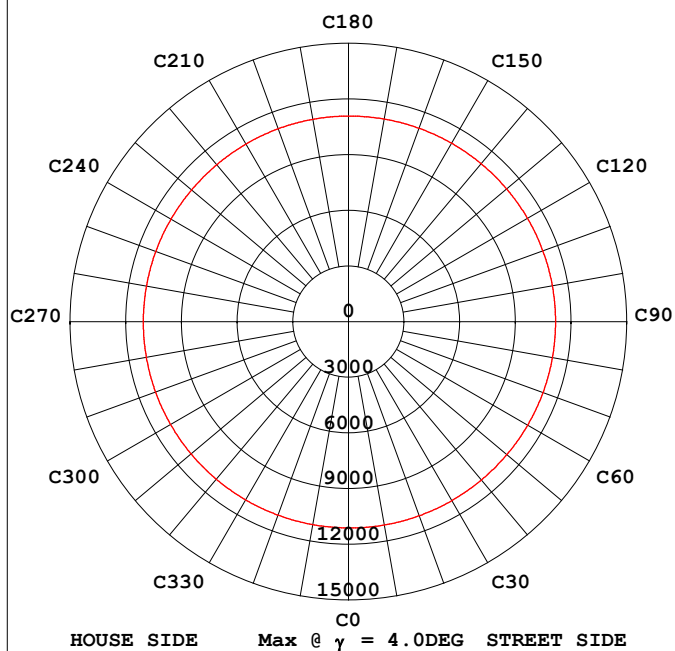


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.11 lm/W			
MODEL		Imax (cd)	11161	$\eta$ street_up (%)	0.3
NOMINAL POWER (W)	150	LOR (%)	100.0	$\eta$ street_down (%)	50.9
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	21298	$\eta$ house_up (%)	0.2
NOMINAL FLUX (lm)	21298.1	MAXIMUM @ (C, $\gamma$ )	90, 4.0	$\eta$ house_down (%)	48.7
LAMPS INSIDE	1	$\eta$ up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	$\eta$ down (%)	99.6	SLI	21.681

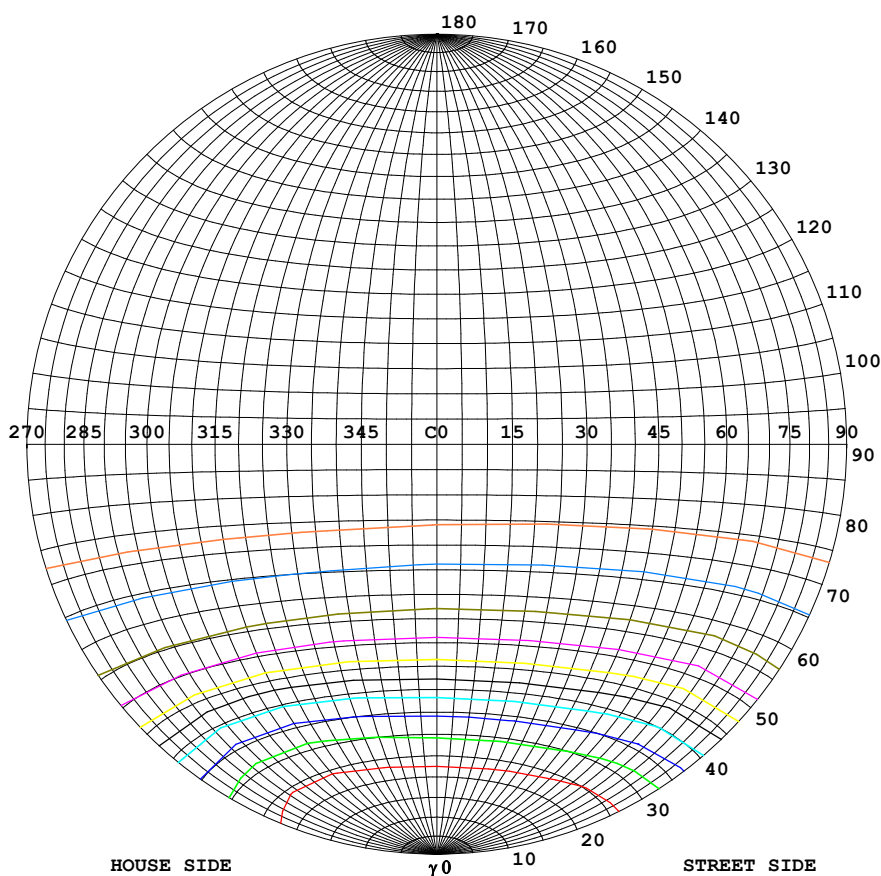
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 23.5℃  
 Operators:DAMIN  
 Test Date:2023-12-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



## Classification:

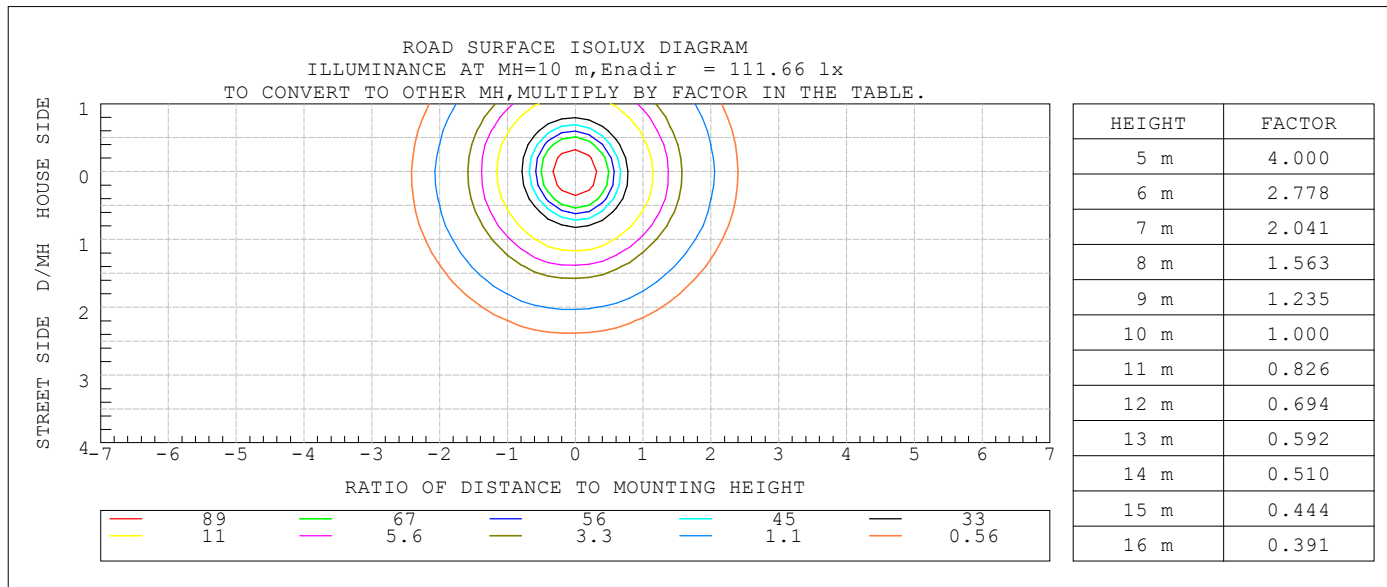
IES:Type V - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:13.83cd/klm  
Max.At90:0.1210cd/klm  
Max.80-90:13.83cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	11161
90%	10044
80%	8928
70%	7812
60%	6696
50%	5580
40%	4464
30%	3348
20%	2232
10%	1116
5%	558

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

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: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

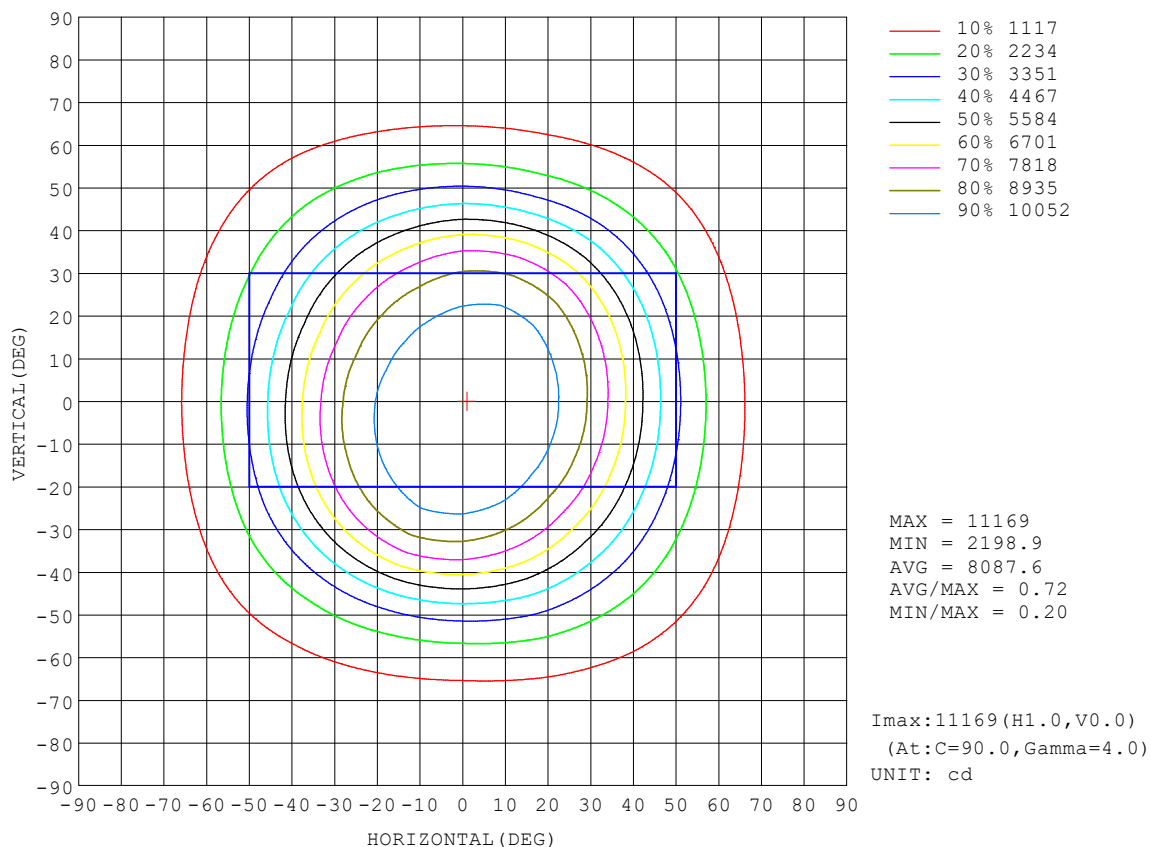
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1100	1109	1110	1101	1084	1077	1086	1093	0- 10	1054	1054	4.95,4.95
20	1031	1044	1069	1048	1007	998.3	1025	1043	10- 20	3020	4074	19.1,19.1
30	873.1	888.1	951.3	929.3	851.4	842.6	901.9	922.0	20- 30	4486	8560	40.2,40.2
40	617.9	630.0	690.3	673.5	599.1	588.7	640.7	657.3	30- 40	4837	13396	62.9,62.9
50	357.8	365.9	373.0	361.5	344.2	335.9	344.4	353.0	40- 50	3773	17169	80.6,80.6
60	178.8	183.2	171.5	167.4	174.4	168.3	159.9	160.9	50- 60	2257	19427	91.2,91.2
70	80.43	82.87	75.05	73.34	77.75	74.19	69.26	70.36	60- 70	1165	20592	96.7,96.7
80	27.90	29.25	26.12	25.27	26.62	25.19	23.25	24.18	70- 80	509.9	21102	99.1,99.1
90	0.2493	0.2578	0.2310	0.2073	0.0907	0.0855	0.0834	0.1067	80- 90	107.7	21209	99.6,99.6
100	0.3551	0.3289	0.3313	0.3243	0.0759	0.0761	0.0746	0.0919	90-100	1.745	21211	99.6,99.6
110	0.7470	0.7262	0.6880	0.6788	0.1476	0.1499	0.1380	0.1322	100-110	3.387	21214	99.6,99.6
120	1.232	1.206	1.266	1.286	0.3408	0.3477	0.3367	0.3333	110-120	5.787	21220	99.6,99.6
130	1.944	1.914	1.999	2.047	0.8153	0.8382	0.8689	0.8392	120-130	9.662	21230	99.7,99.7
140	2.797	2.730	2.824	2.915	1.605	1.660	1.724	1.647	130-140	13.93	21244	99.7,99.7
150	3.805	3.708	3.784	3.888	2.680	2.757	2.791	2.665	140-150	17.11	21261	99.8,99.8
160	4.779	4.683	4.721	4.807	4.051	4.115	4.138	3.999	150-160	17.54	21278	99.9,99.9
170	5.771	5.700	5.692	5.732	5.552	5.596	5.591	5.458	160-170	14.03	21292	100,100
180	5.973	5.965	5.929	5.880	6.078	6.075	6.039	5.990	170-180	5.671	21298	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

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

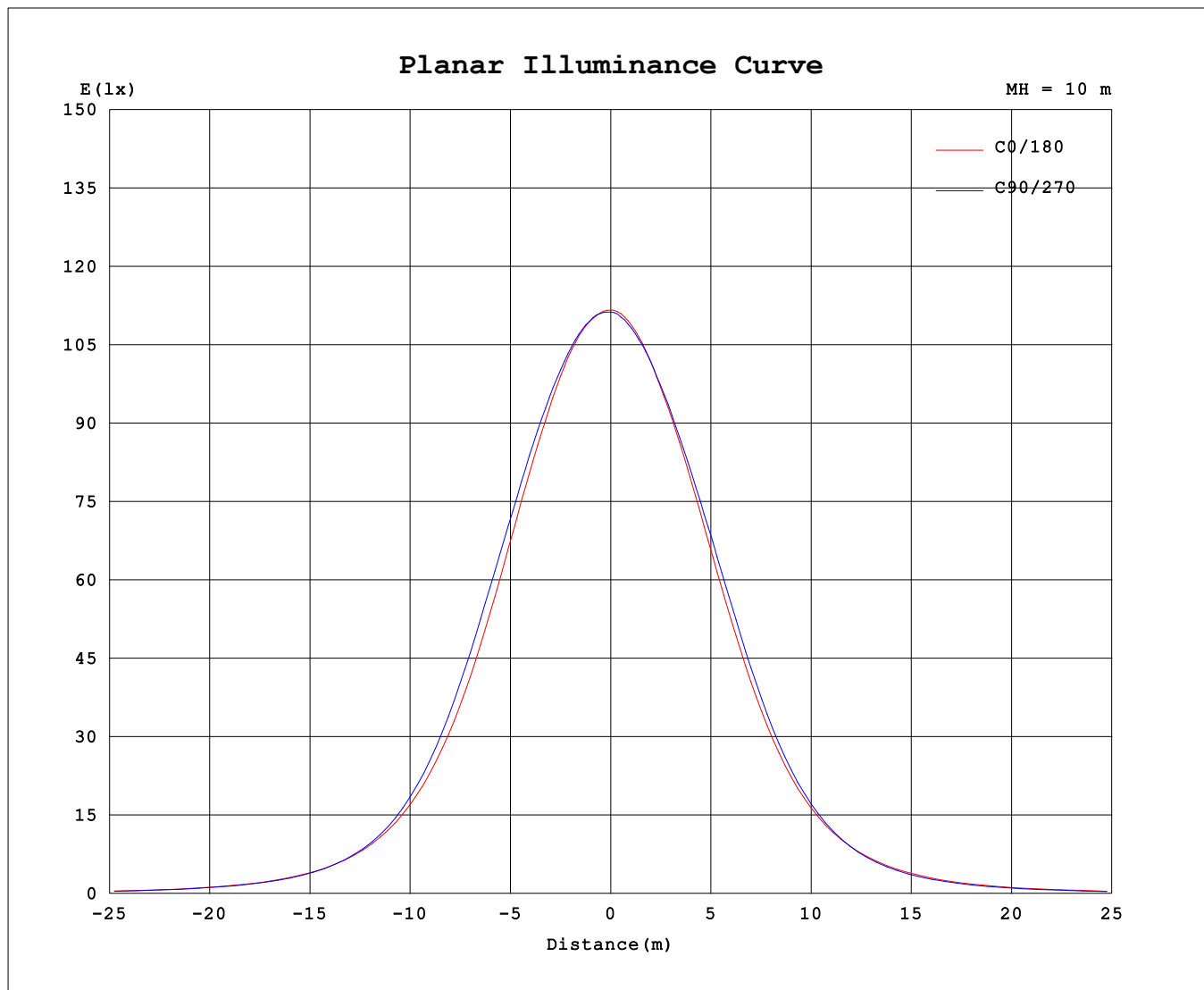
Test:U:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

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

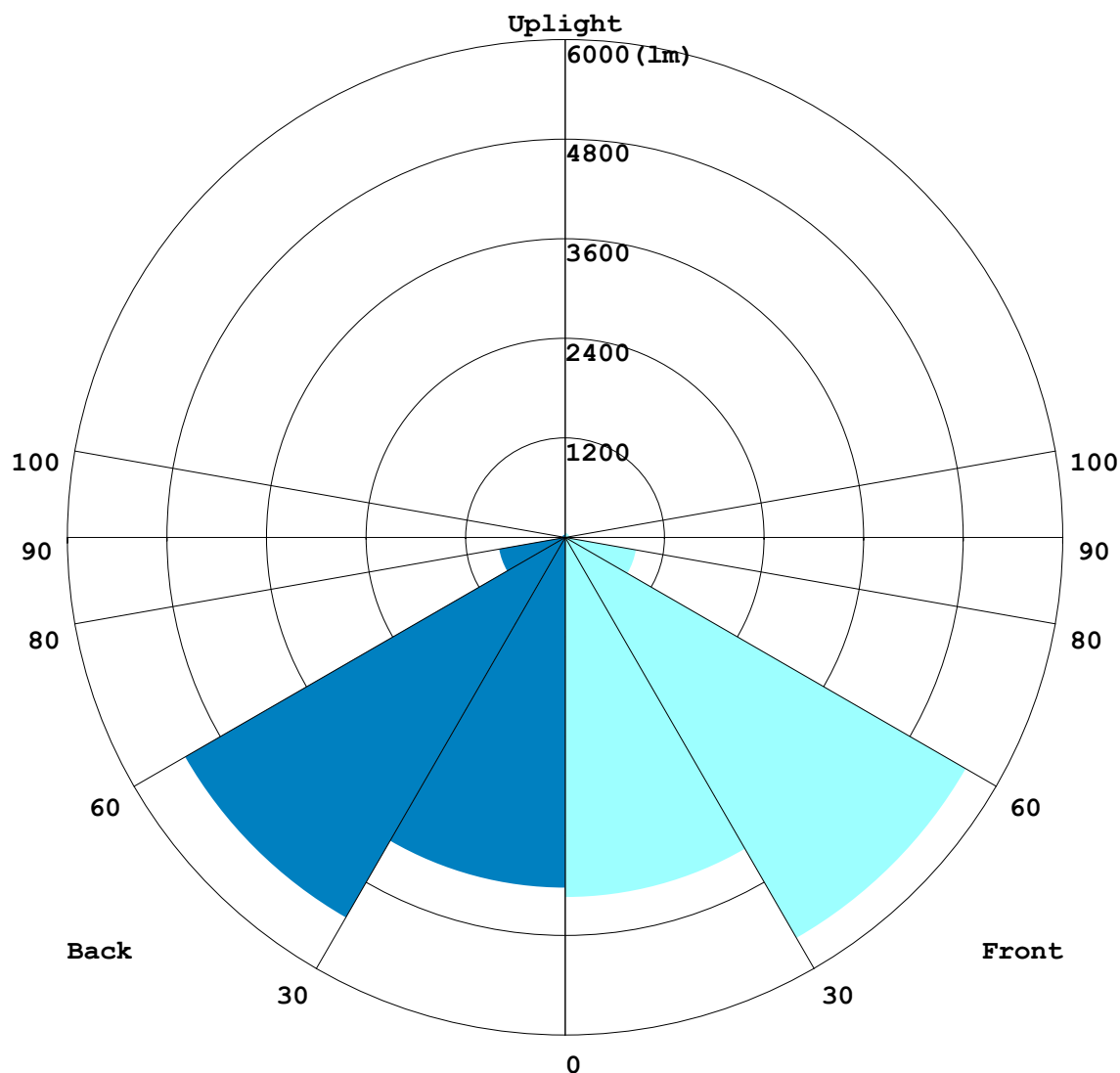


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5°C  
Operators:DAMIN  
Test Date:2023-12-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 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: 23.5℃  
 Operators:DAMIN  
 Test Date:2023-12-14

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:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 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)	4335.8	20.4
FM - Front-Medium(30-60)	5577.1	26.2
FH - Front-High(60-80)	868.09	4.1
FVH - Front-Very High(80-90)	58	0.3
Total Forward Light	10894	51.2

BL - Back-Low(0-30)	4224.1	19.8
BM - Back-Medium(30-60)	5289.5	24.8
BH - Back-High(60-80)	806.94	3.8
BVH - Back-Very High(80-90)	49.708	0.2
Total Back Light	10404	48.8

UL - Uplight-Low(90-100)	1.7448	0.0
UH - Uplight-High(100-180)	87.115	0.4
Total Up Light	88.86	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10370	33.297	10404
Street Side	10839	55.563	10894

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

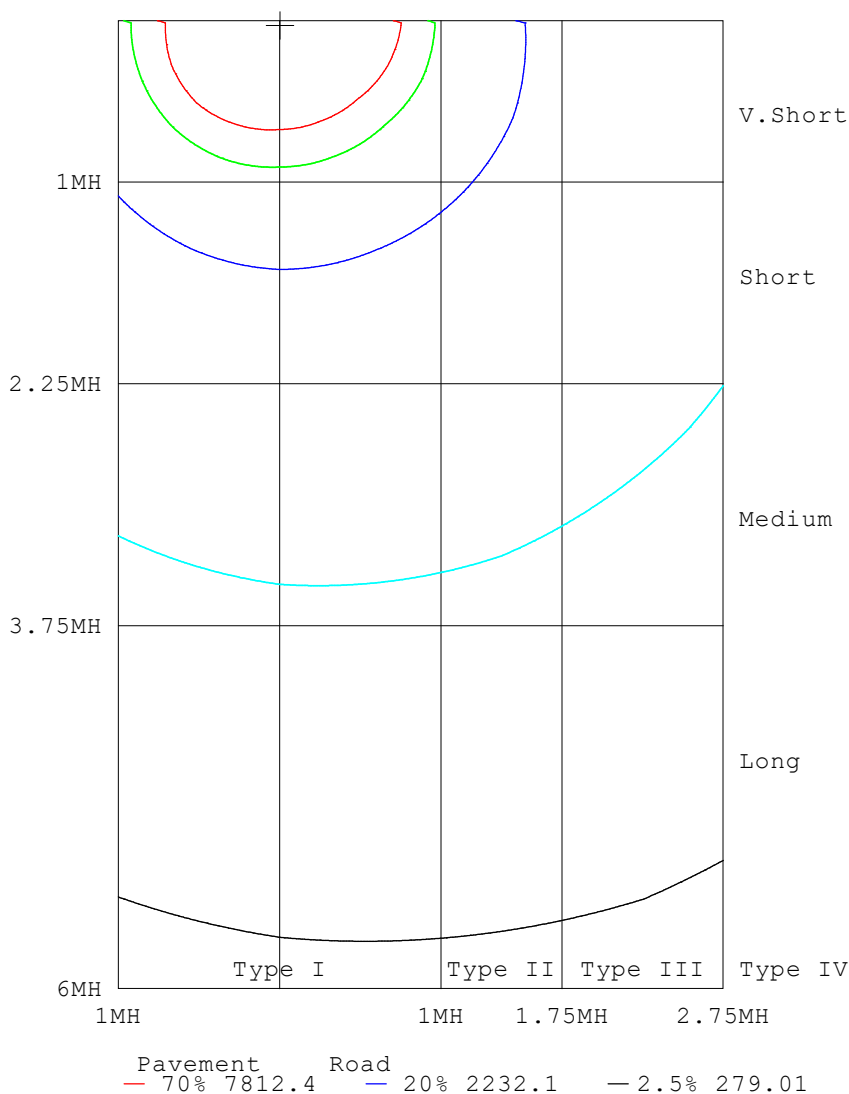
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 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: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

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:118.74V I:1.2564A P:148.83W PF:0.9976 Freq:60.01Hz Lamp Flux:21298.1x1 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	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113			
5	1110	1113	1114	1116	1116	1115	1112	1108	1106	1103	1101	1103	1103	1105	1107	1108			
10	1100	1106	1109	1111	1110	1108	1101	1092	1084	1078	1077	1080	1086	1089	1093	1098			
15	1075	1082	1085	1094	1095	1092	1080	1065	1051	1043	1044	1049	1060	1068	1074	1075			
20	1031	1036	1044	1060	1069	1066	1048	1027	1007	996	998	1009	1025	1038	1043	1037			
25	967	971	981	1008	1022	1024	1000	971	942	928	934	950	977	995	997	982			
30	873	875	888	924	951	959	929	889	851	834	843	865	902	922	922	896			
35	754	754	768	808	840	853	821	778	735	715	724	747	788	806	808	779			
40	618	619	630	667	690	698	674	639	599	579	589	610	641	653	657	640			
45	481	483	492	520	524	524	508	493	462	445	454	467	486	488	499	493			
50	358	359	366	382	373	367	362	362	344	330	336	343	344	338	353	360			
55	257	258	262	270	255	249	247	256	248	238	241	241	235	229	238	252			
60	179	181	183	183	171	169	167	175	174	167	168	165	160	155	161	170			
65	122	124	126	124	115	114	113	118	119	115	115	110	107	105	108	114			
70	80.4	82.7	82.9	80.6	75.1	74.3	73.3	76.4	77.8	75.0	74.2	70.9	69.3	67.7	70.4	74.4			
75	50.6	52.9	52.7	51.2	47.1	46.6	45.8	47.9	48.9	47.0	46.6	43.9	43.2	42.0	44.1	46.7			
80	27.9	29.5	29.2	28.2	26.1	25.8	25.3	26.2	26.6	25.7	25.2	23.7	23.3	23.1	24.2	25.6			
85	9.40	10.3	10.1	10.0	9.14	9.34	8.82	9.01	8.54	7.74	7.75	7.09	7.40	7.28	8.03	8.42			
90	0.25	0.26	0.26	0.26	0.23	0.23	0.21	0.21	0.09	0.10	0.09	0.09	0.08	0.09	0.11	0.12			
95	0.24	0.24	0.23	0.24	0.22	0.23	0.22	0.24	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
100	0.36	0.33	0.33	0.34	0.33	0.31	0.32	0.34	0.08	0.07	0.08	0.07	0.07	0.07	0.09	0.08			
105	0.61	0.64	0.60	0.55	0.49	0.47	0.47	0.50	0.12	0.11	0.12	0.11	0.11	0.09	0.11	0.16			
110	0.75	0.72	0.73	0.72	0.69	0.67	0.68	0.69	0.15	0.14	0.15	0.14	0.14	0.13	0.13	0.16			
115	0.96	0.95	0.94	0.94	0.95	0.94	0.95	0.94	0.21	0.21	0.21	0.20	0.20	0.19	0.20	0.20			
120	1.23	1.20	1.21	1.23	1.27	1.28	1.29	1.26	0.34	0.35	0.35	0.35	0.34	0.34	0.33	0.34			
125	1.57	1.54	1.55	1.58	1.62	1.65	1.65	1.63	0.53	0.55	0.55	0.56	0.55	0.55	0.54	0.54			
130	1.94	1.92	1.91	1.96	2.00	2.05	2.05	2.03	0.82	0.84	0.84	0.87	0.87	0.88	0.84	0.82			
135	2.35	2.31	2.30	2.34	2.40	2.45	2.47	2.45	1.18	1.20	1.22	1.25	1.27	1.27	1.22	1.18			
140	2.80	2.75	2.73	2.77	2.82	2.89	2.92	2.91	1.60	1.62	1.66	1.71	1.72	1.71	1.65	1.58			
145	3.29	3.23	3.21	3.25	3.30	3.36	3.40	3.42	2.12	2.15	2.19	2.25	2.25	2.23	2.14	2.08			
150	3.80	3.74	3.71	3.74	3.78	3.85	3.89	3.92	2.68	2.71	2.76	2.80	2.79	2.74	2.66	2.60			
155	4.30	4.22	4.19	4.21	4.25	4.30	4.35	4.37	3.34	3.38	3.41	3.46	3.43	3.38	3.30	3.25			
160	4.78	4.71	4.68	4.69	4.72	4.76	4.81	4.83	4.05	4.08	4.11	4.16	4.14	4.09	4.00	3.94			
165	5.24	5.19	5.16	5.15	5.18	5.21	5.24	5.26	4.84	4.87	4.90	4.94	4.92	4.88	4.78	4.71			
170	5.77	5.73	5.70	5.69	5.69	5.71	5.73	5.75	5.55	5.59	5.60	5.63	5.59	5.56	5.46	5.40			
175	6.20	6.19	6.15	6.14	6.10	6.10	6.09	6.11	6.15	6.17	6.17	6.17	6.13	6.09	6.03	5.99			
180	5.97	5.98	5.96	5.96	5.93	5.91	5.88	5.87	6.08	6.09	6.07	6.07	6.04	6.01	5.99	5.97			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-14

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: