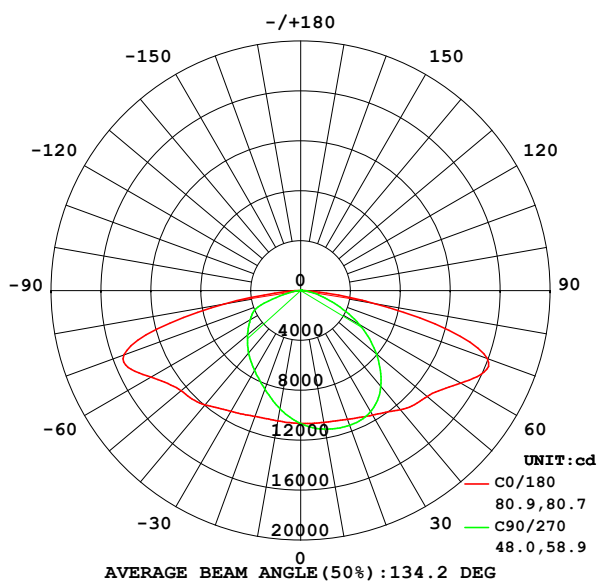
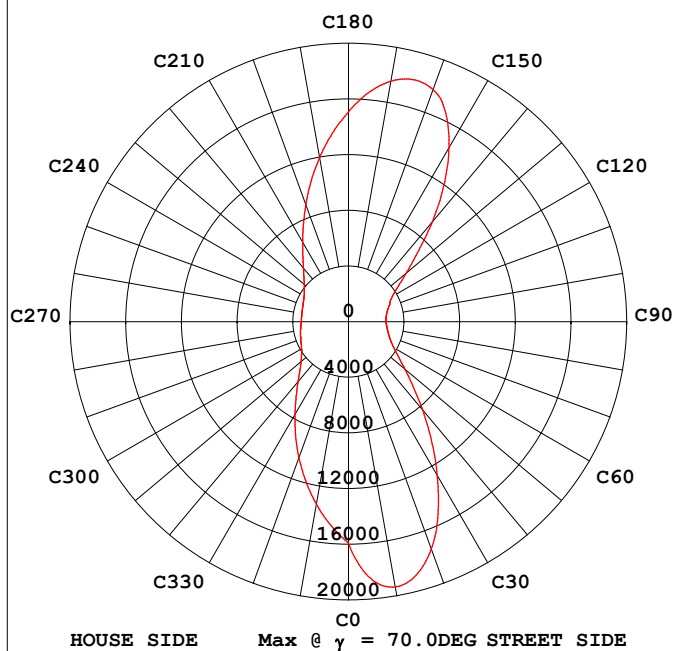


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.32 lm/W			
MODEL		I <sub>max</sub> (cd)	17342	η street_up (%)	0.2
NOMINAL POWER (W)	350	LOR (%)	100.0	η street_down (%)	57.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	46603	η house_up (%)	0.1
NOMINAL FLUX (lm)	46602.6	MAXIMUM @ (C, γ )	158,70.0	η house_down (%)	42.0
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	26.101

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.1℃  
Operators:DAMIN  
Test Date:2024-04-10

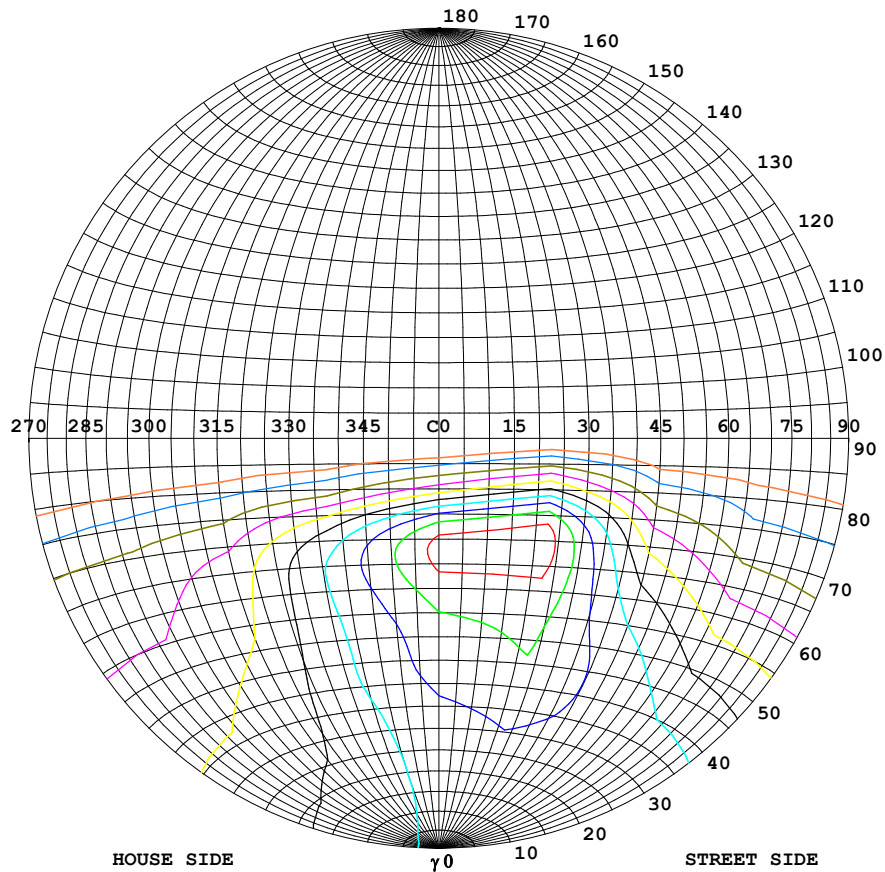
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz

Lamp Flux:46602.6x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



## Classification:

IES:Type III - Medium

CIE:Average - Long

IES:Semi cut-off

CIE:Non-cut-off

Max.At80:192.1cd/klm

Max.At90:0.6955cd/klm

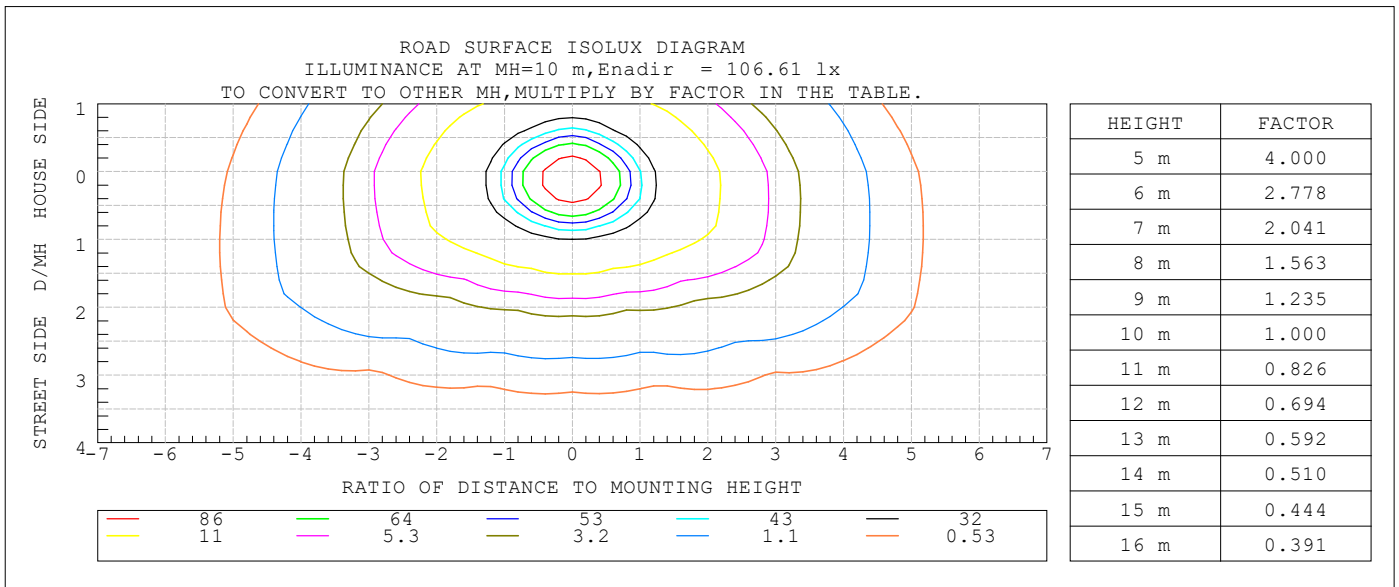
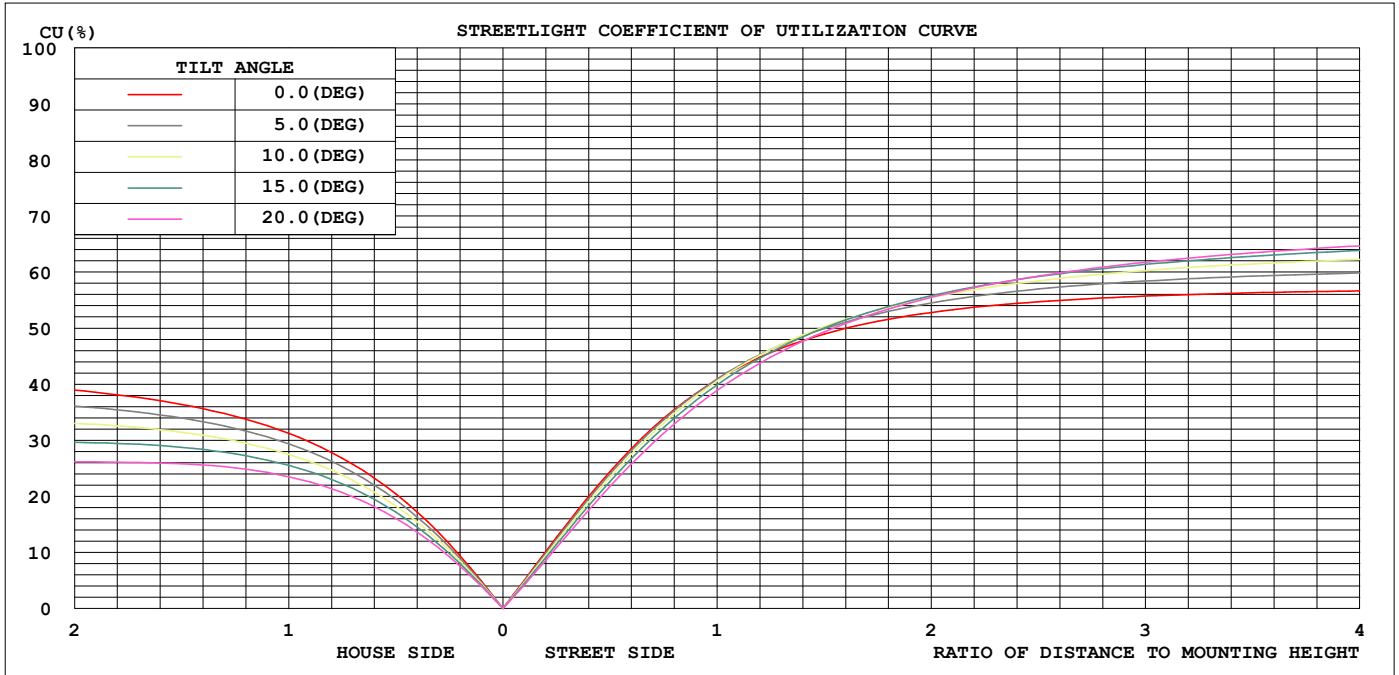
Max.80-90:192.1cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		17342
90%		15608
80%		13874
70%		12140
60%		10405
50%		8671
40%		6937
30%		5203
20%		3468
10%		1734
5%		867

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.1℃  
Operators:DAMIN  
Test Date:2024-04-10

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: 24.1°C  
Operators:DAMIN  
Test Date:2024-04-10

$\gamma$  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:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

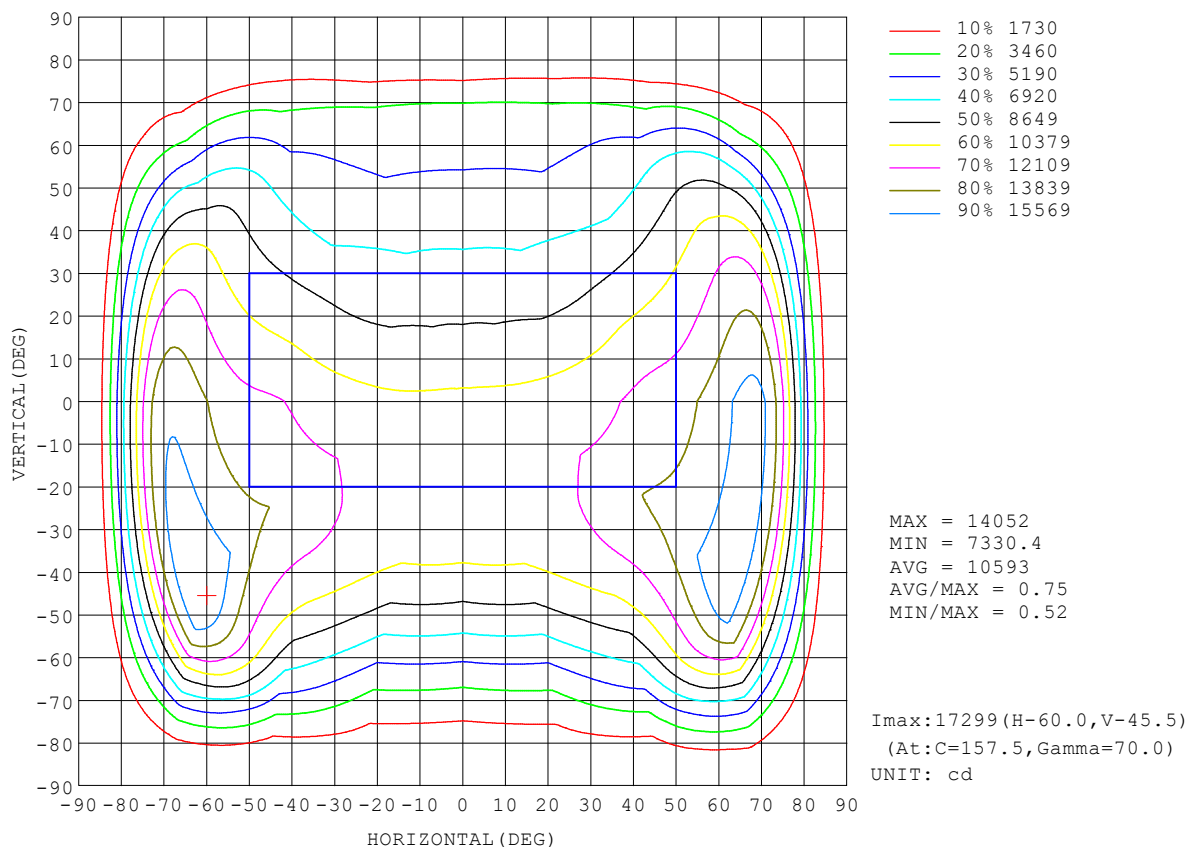
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1073	1120	1128	1114	1061	990.7	962.9	1000	0- 10	1013	1013	2.17,2.17
20	1099	1154	1150	1147	1074	899.4	841.0	918.4	10- 20	2960	3973	8.53,8.53
30	1153	1182	1122	1180	1119	811.0	740.2	837.7	20- 30	4750	8723	18.7,18.7
40	1246	1184	1001	1188	1195	740.0	651.0	775.4	30- 40	6337	15060	32.3,32.3
50	1322	1117	793.5	1135	1252	663.3	556.6	708.5	40- 50	7562	22621	48.5,48.5
60	1483	936.9	544.4	971.0	1388	585.5	467.9	638.1	50- 60	8224	30845	66.2,66.2
70	1591	656.3	269.0	699.7	1507	454.6	340.0	494.8	60- 70	8464	39309	84.3,84.3
80	605.8	239.5	94.41	246.5	624.7	145.7	73.27	138.3	70- 80	5999	45308	97.2,97.2
90	3.241	1.474	0.7869	1.204	0.8283	0.3006	0.1760	0.3895	80- 90	1166	46475	99.7,99.7
100	2.914	1.234	0.9302	1.345	0.6883	0.2295	0.1889	0.2549	90-100	9.680	46484	99.7,99.7
110	3.334	1.666	1.181	1.730	1.330	0.4896	0.4469	0.7187	100-110	11.94	46496	99.8,99.8
120	3.254	1.855	1.228	1.962	2.534	1.556	1.195	1.452	110-120	16.08	46512	99.8,99.8
130	3.266	2.361	1.766	2.268	2.991	2.274	1.906	2.356	120-130	19.55	46532	99.8,99.8
140	3.605	2.871	2.405	2.633	3.147	2.638	2.443	2.798	130-140	19.96	46552	99.9,99.9
150	4.000	3.504	3.074	3.068	3.349	2.966	2.869	2.880	140-150	18.57	46570	99.9,99.9
160	4.550	4.097	3.612	3.502	4.066	3.784	3.382	2.970	150-160	15.66	46586	100,100
170	5.617	5.027	4.390	4.299	5.655	5.075	4.489	4.365	160-170	11.89	46598	100,100
180	5.678	5.088	4.439	4.729	5.784	5.165	4.504	4.799	170-180	4.777	46603	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.1℃  
Operators:DAMIN  
Test Date:2024-04-10

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

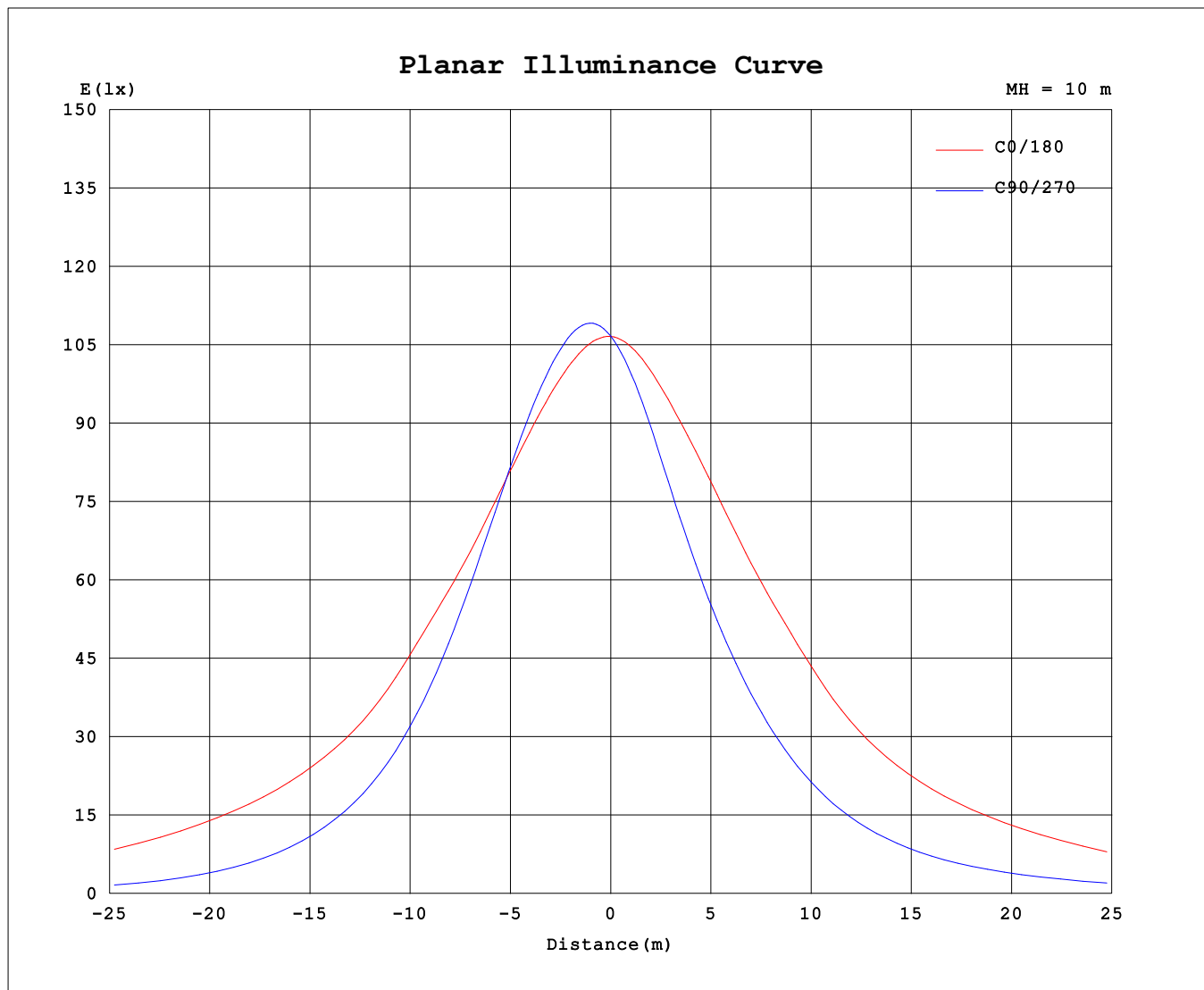
Test:U:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.1°C  
Operators:DAMIN  
Test Date:2024-04-10

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



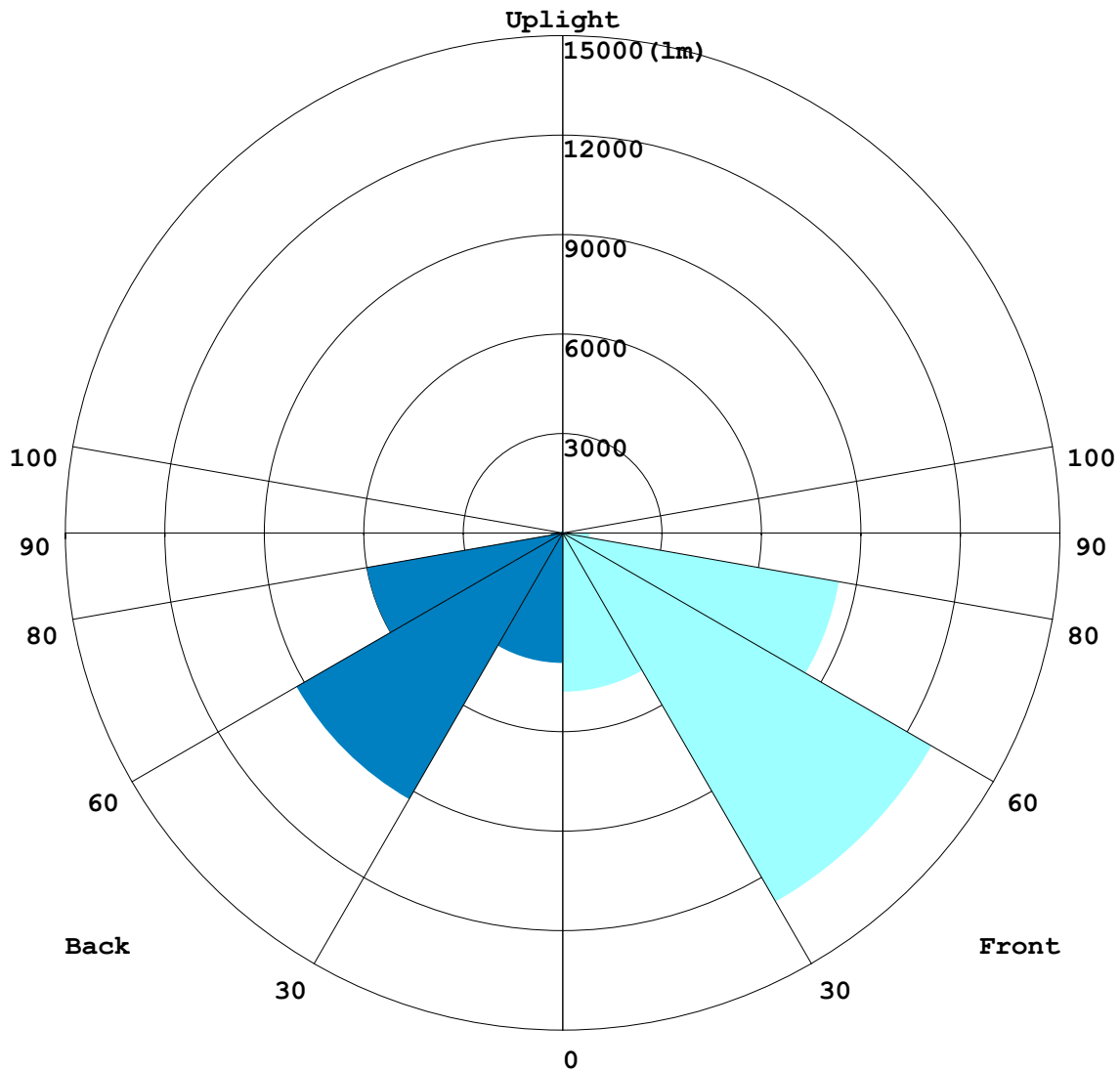
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.1°C  
 Operators:DAMIN  
 Test Date:2024-04-10

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:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 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: 24.1℃  
Operators:DAMIN  
Test Date:2024-04-10

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:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 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)	4794	10.3
FM - Front-Medium(30-60)	12849	27.6
FH - Front-High(60-80)	8463.2	18.2
FVH - Front-Very High(80-90)	807.8	1.7
Total Forward Light	26988	57.9

BL - Back-Low(0-30)	3928.8	8.4
BM - Back-Medium(30-60)	9273.4	19.9
BH - Back-High(60-80)	6000	12.9
BVH - Back-Very High(80-90)	358.33	0.8
Total Back Light	19614	42.1

UL - Uplight-Low(90-100)	9.6798	0.0
UH - Uplight-High(100-180)	118.42	0.3
Total Up Light	128.1	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19561	53.871	19614
Street Side	26914	74.229	26988

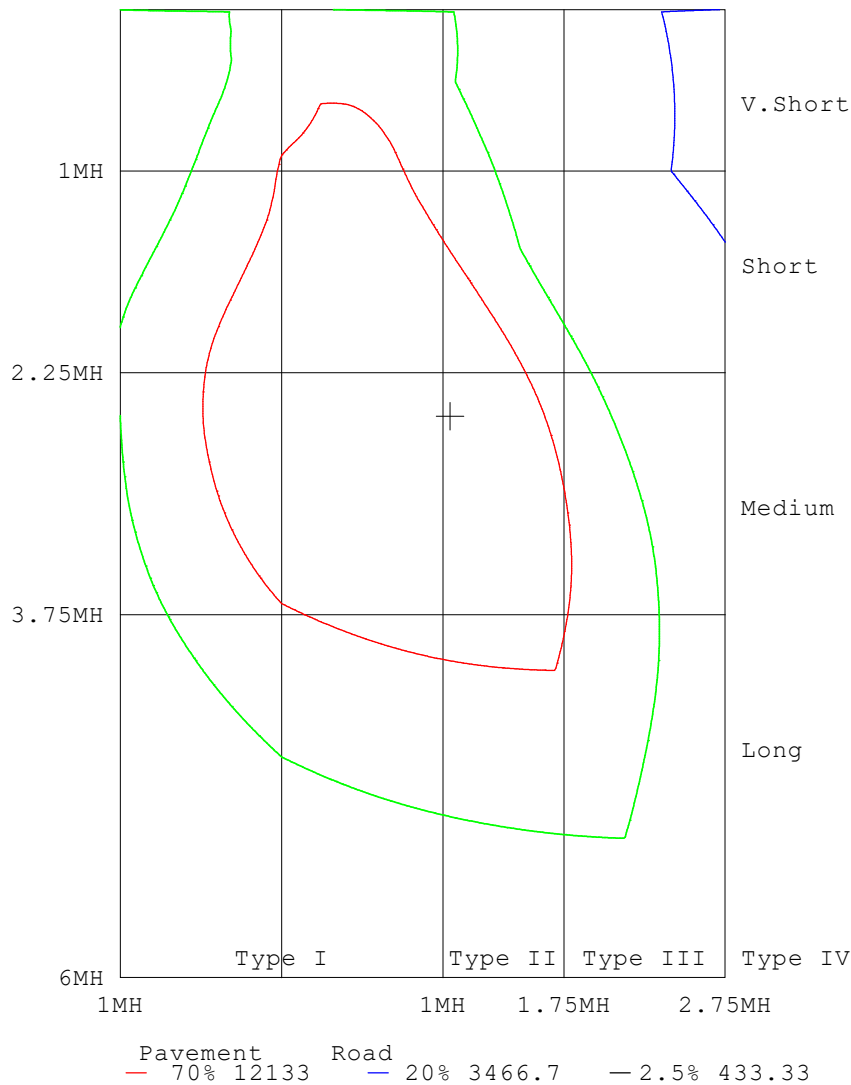
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.1℃  
Operators:DAMIN  
Test Date:2024-04-10

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:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 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: 24.1℃  
 Operators:DAMIN  
 Test Date:2024-04-10

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:118.36V I:2.9135A P:344.38W PF:0.9987 Freq:60.01Hz Lamp Flux:46602.6x1 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	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066	1066			
5	1069	1084	1096	1102	1103	1100	1092	1079	1063	1046	1031	1021	1018	1023	1035	1051			
10	1073	1102	1120	1127	1128	1125	1114	1093	1061	1024	991	969	963	972	1000	1036			
15	1083	1122	1139	1142	1143	1139	1131	1108	1063	1002	946	910	901	915	960	1022			
20	1099	1145	1154	1151	1150	1148	1147	1132	1074	983	899	852	841	859	918	1011			
25	1122	1175	1169	1152	1146	1148	1164	1162	1094	969	853	799	788	805	875	1004			
30	1153	1210	1182	1137	1122	1134	1180	1197	1119	959	811	751	740	757	838	1004			
35	1191	1251	1189	1101	1075	1099	1190	1236	1151	959	776	708	696	713	806	1012			
40	1246	1304	1184	1042	1001	1040	1188	1287	1195	961	740	662	651	669	775	1030			
45	1293	1370	1163	958	905	957	1172	1349	1231	955	701	613	604	622	742	1035			
50	1322	1407	1117	854	794	853	1135	1384	1252	947	663	564	557	574	708	1039			
55	1384	1447	1039	734	673	734	1065	1430	1301	943	626	515	511	527	676	1052			
60	1483	1519	937	605	544	604	971	1518	1388	953	585	468	468	481	638	1074			
65	1593	1603	810	465	402	463	852	1641	1498	954	538	425	425	436	593	1080			
70	1591	1642	656	325	269	321	700	1734	1507	830	455	353	340	371	495	973			
75	1230	1451	458	206	170	202	491	1488	1193	565	313	198	176	220	324	680			
80	606	895	240	118	94.4	115	247	843	625	223	146	79.0	73.3	90.9	138	267			
85	152	305	70.9	51.0	38.8	47.8	62.7	249	139	38.5	34.7	22.5	22.9	25.9	32.0	56.8			
90	3.24	2.46	1.47	0.86	0.79	0.81	1.20	2.38	0.83	0.49	0.30	0.21	0.18	0.24	0.39	0.68			
95	2.73	1.89	1.09	0.80	0.77	0.84	1.18	2.16	0.53	0.38	0.22	0.16	0.14	0.17	0.22	0.40			
100	2.91	2.04	1.23	0.94	0.93	0.98	1.34	2.24	0.69	0.43	0.23	0.17	0.19	0.26	0.25	0.42			
105	3.19	2.36	1.50	1.12	1.11	1.11	1.55	2.34	1.00	0.52	0.30	0.25	0.29	0.39	0.43	0.56			
110	3.33	2.64	1.67	1.36	1.18	1.33	1.73	2.42	1.33	0.80	0.49	0.44	0.45	0.59	0.72	0.86			
115	3.40	2.80	1.71	1.62	1.23	1.53	1.87	2.48	1.90	1.50	0.91	0.76	0.76	0.97	0.89	1.47			
120	3.25	2.79	1.86	1.79	1.23	1.70	1.96	2.42	2.53	2.23	1.56	1.19	1.20	1.49	1.45	2.23			
125	3.20	2.80	2.13	1.98	1.52	1.89	2.10	2.41	2.90	2.76	1.98	1.58	1.58	1.83	2.00	2.58			
130	3.27	2.78	2.36	2.19	1.77	2.06	2.27	2.49	2.99	2.88	2.27	1.89	1.91	2.14	2.36	2.60			
135	3.45	2.83	2.63	2.43	2.09	2.32	2.46	2.63	3.06	2.98	2.46	2.16	2.19	2.43	2.64	2.62			
140	3.60	2.97	2.87	2.69	2.40	2.59	2.63	2.79	3.15	3.06	2.64	2.44	2.44	2.61	2.80	2.62			
145	3.77	3.28	3.16	2.99	2.72	2.85	2.83	2.94	3.24	3.14	2.82	2.70	2.64	2.75	2.92	2.63			
150	4.00	3.71	3.50	3.35	3.07	3.12	3.07	3.13	3.35	3.18	2.97	2.93	2.87	2.80	2.88	2.62			
155	4.24	4.14	3.79	3.66	3.35	3.33	3.26	3.30	3.56	3.42	3.31	3.34	3.16	2.91	2.89	2.69			
160	4.55	4.54	4.10	3.95	3.61	3.55	3.50	3.52	4.07	3.93	3.78	3.70	3.38	3.05	2.97	2.98			
165	4.94	4.93	4.47	4.28	3.89	3.76	3.74	3.83	5.00	4.90	4.67	4.42	4.06	3.80	3.80	3.76			
170	5.62	5.56	5.03	4.73	4.39	4.20	4.30	4.49	5.66	5.56	5.07	4.81	4.49	4.29	4.36	4.40			
175	5.81	5.98	5.38	5.05	4.73	4.55	4.73	4.92	5.86	5.89	5.28	5.01	4.71	4.55	4.76	4.81			
180	5.68	5.71	5.09	4.73	4.44	4.36	4.73	4.94	5.78	5.80	5.17	4.79	4.50	4.41	4.80	5.04			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.1℃  
Operators:DAMIN  
Test Date:2024-04-10

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: