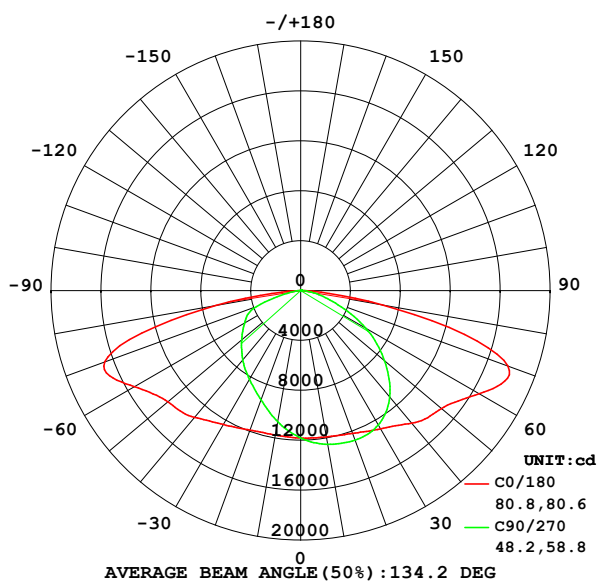
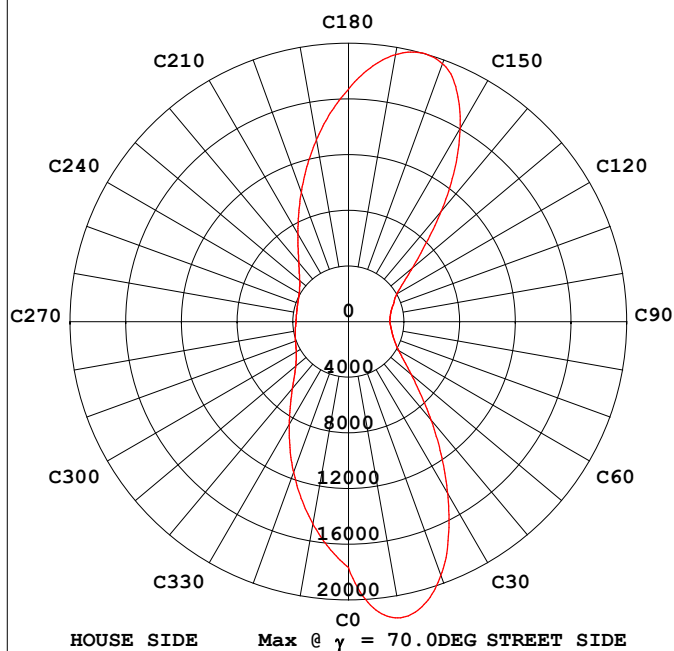


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.29 lm/W			
MODEL		I <sub>max</sub> (cd)	19275	η street_up (%)	0.2
NOMINAL POWER (W)	400	LOR (%)	100.0	η street_down (%)	57.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	51758	η house_up (%)	0.1
NOMINAL FLUX (lm)	51758	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	26.243

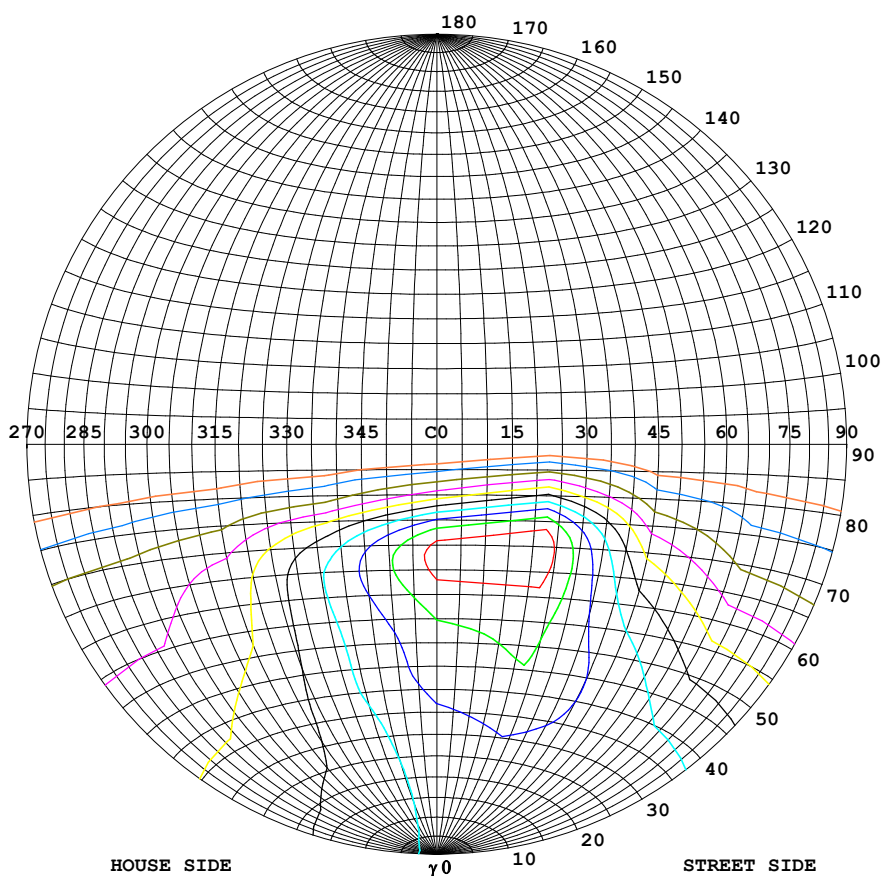
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.2℃  
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:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



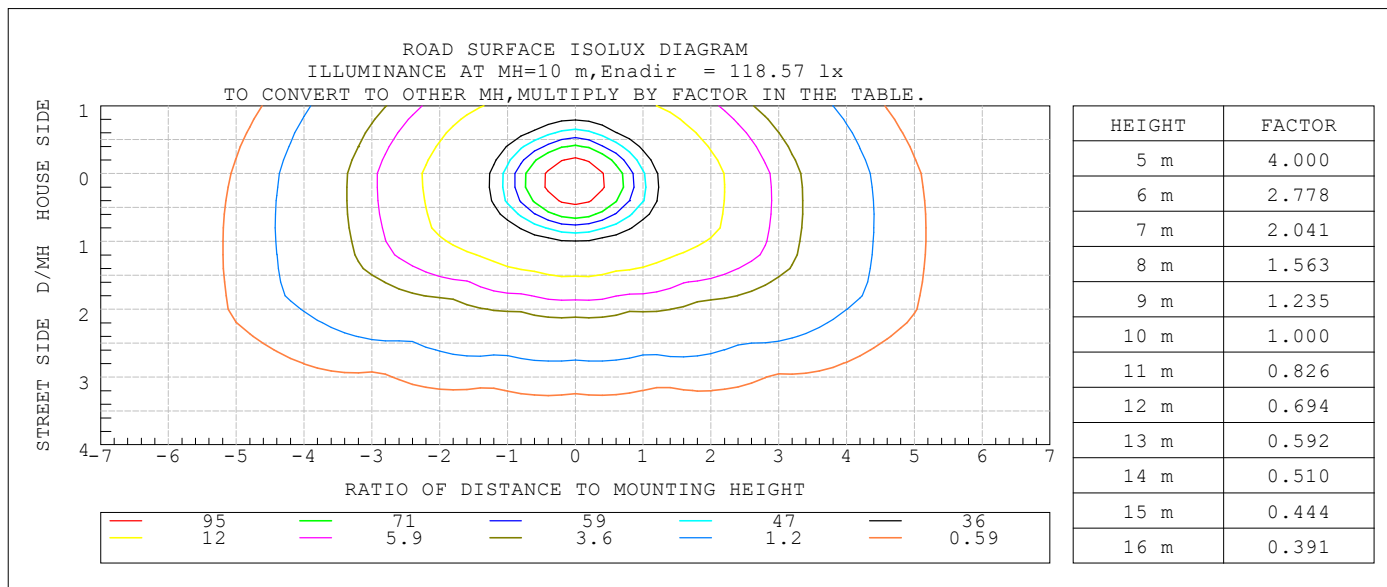
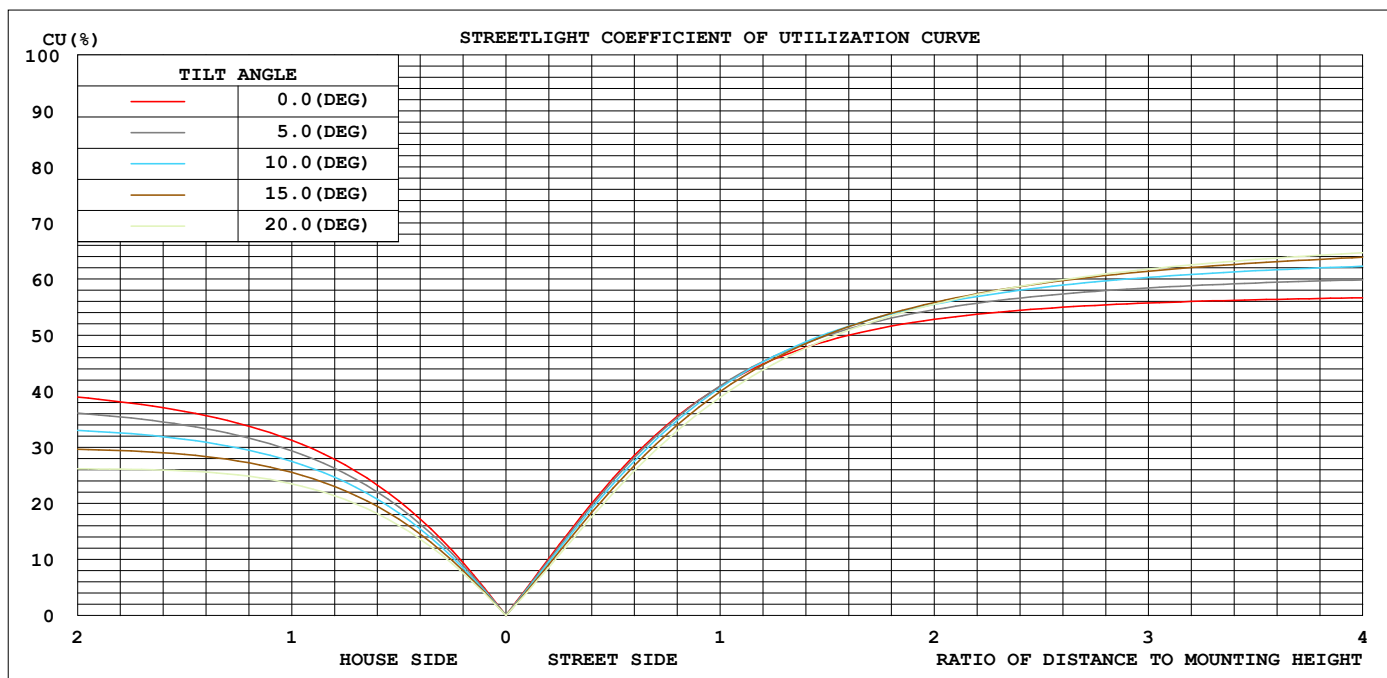
## Classification:

IES:Type III - Medium  
CIE:Average - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:192.4cd/klm  
Max.At90:0.6646cd/klm  
Max.80-90:192.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	19275
90%	17348
80%	15420
70%	13493
60%	11565
50%	9638
40%	7710
30%	5783
20%	3855
10%	1928
5%	964

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.2℃  
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: 24.2°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:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

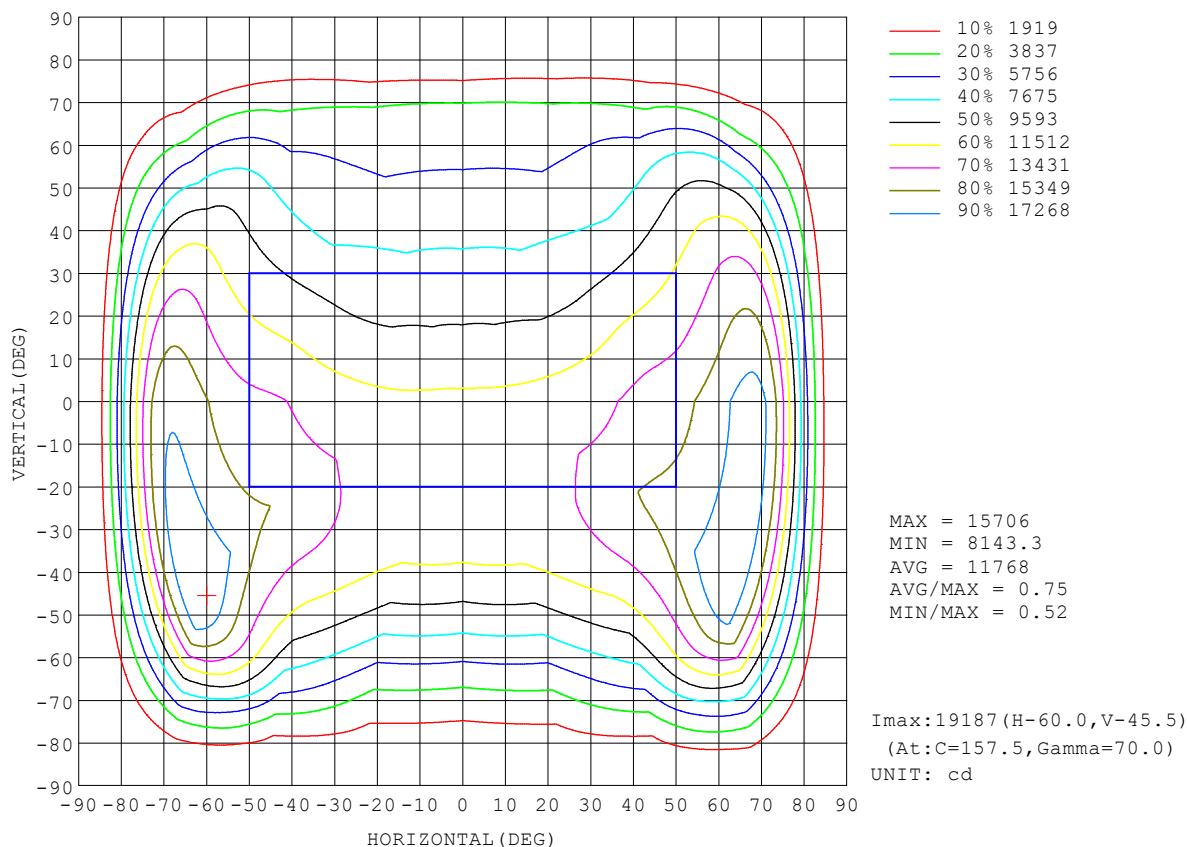
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1191	1242	1251	1234	1176	1098	1067	1109	0- 10	1123	1123	2.17,2.17
20	1218	1281	1276	1271	1190	996.9	932.8	1018	10- 20	3282	4405	8.51,8.51
30	1281	1313	1244	1308	1240	900.0	822.2	929.9	20- 30	5269	9674	18.7,18.7
40	1387	1317	1111	1317	1327	821.9	723.7	862.0	30- 40	7038	16712	32.3,32.3
50	1472	1243	880.3	1259	1389	736.8	618.6	788.0	40- 50	8406	25118	48.5,48.5
60	1652	1042	603.4	1077	1540	650.8	519.8	710.0	50- 60	9147	34265	66.2,66.2
70	1767	730.5	297.5	774.4	1671	501.4	377.7	550.4	60- 70	9410	43675	84.4,84.4
80	667.6	264.5	104.2	270.4	689.4	161.5	81.37	153.1	70- 80	6651	50326	97.2,97.2
90	3.440	1.630	0.8014	1.335	0.9217	0.3369	0.1969	0.4329	80- 90	1289	51616	99.7,99.7
100	3.236	1.370	1.037	1.496	0.7644	0.2554	0.2091	0.2804	90-100	10.74	51627	99.7,99.7
110	3.708	1.847	1.315	1.924	1.479	0.5427	0.4936	0.7965	100-110	13.28	51640	99.8,99.8
120	3.614	2.059	1.366	2.183	2.775	1.728	1.324	1.609	110-120	17.86	51658	99.8,99.8
130	3.625	2.619	1.962	2.521	3.291	2.530	2.116	2.615	120-130	21.71	51679	99.8,99.8
140	3.997	3.183	2.667	2.925	3.489	2.935	2.709	3.106	130-140	22.16	51702	99.9,99.9
150	4.433	3.887	3.410	3.404	3.717	3.295	3.179	3.192	140-150	20.61	51722	99.9,99.9
160	5.046	4.541	4.003	3.885	4.486	4.200	3.752	3.289	150-160	17.37	51740	100,100
170	6.220	5.572	4.862	4.762	6.174	5.635	4.979	4.835	160-170	13.17	51753	100,100
180	6.294	5.639	4.917	5.237	6.301	5.726	4.992	5.318	170-180	5.290	51758	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.2℃  
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

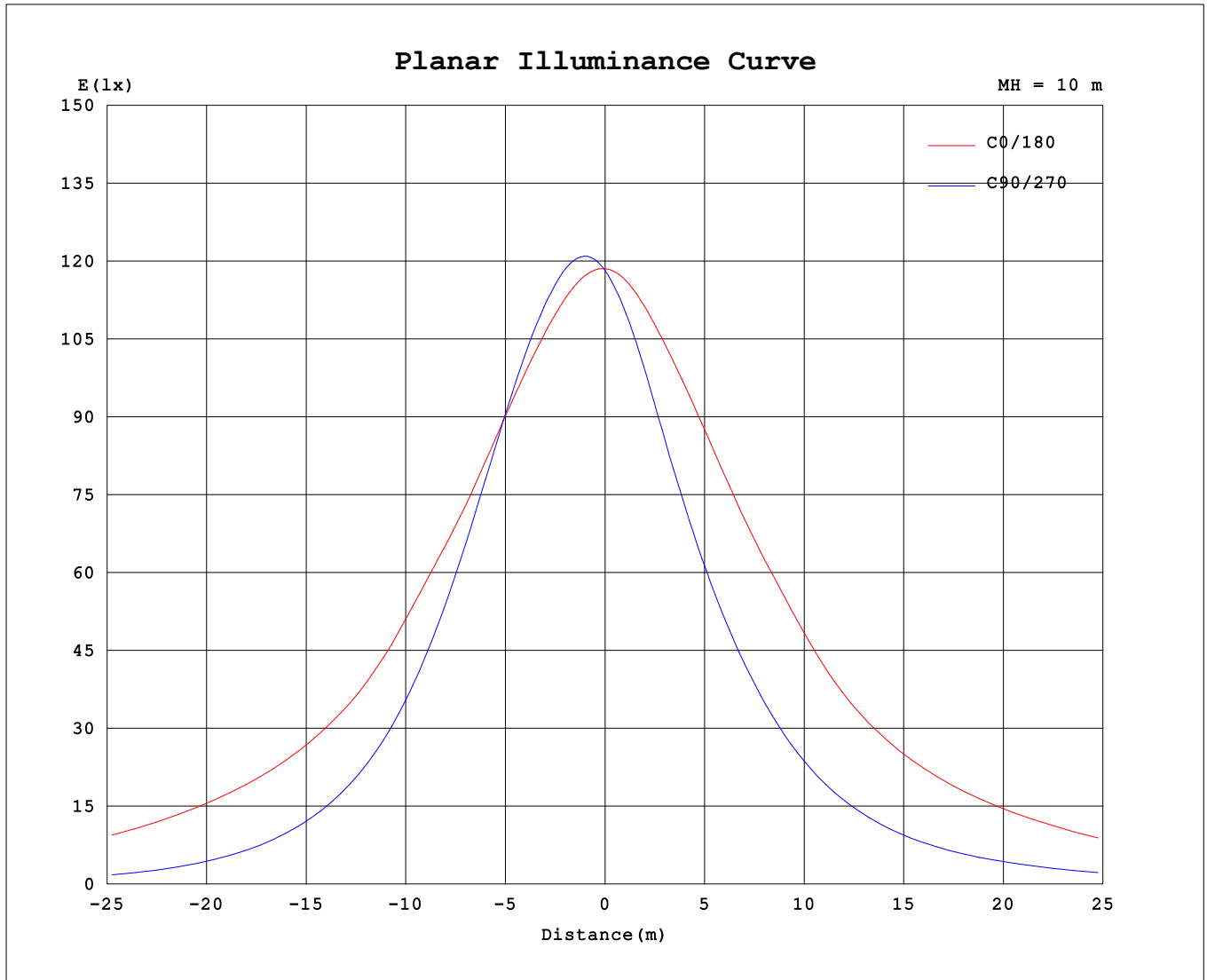
Test:U:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.2℃  
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



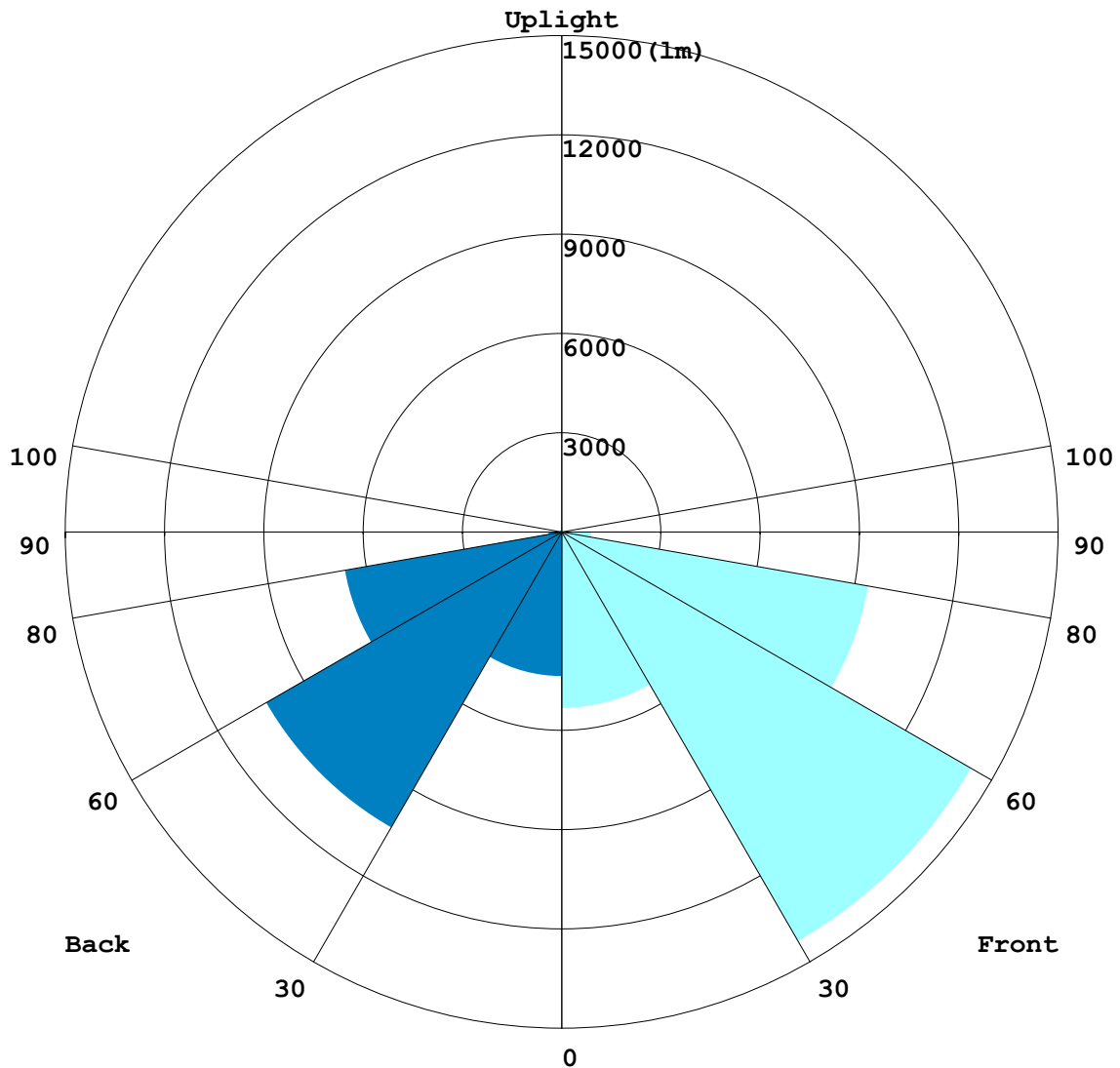
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.2°C  
 Operators:DAMIN  
 Test Date:2024-04-10

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:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 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: 24.2℃  
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:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 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)	5317.5	10.3
FM - Front-Medium(30-60)	14284	27.6
FH - Front-High(60-80)	9406	18.2
FVH - Front-Very High(80-90)	893.16	1.7
Total Forward Light	29983	57.9

BL - Back-Low(0-30)	4356.9	8.4
BM - Back-Medium(30-60)	10307	19.9
BH - Back-High(60-80)	6655.2	12.9
BVH - Back-Very High(80-90)	396.29	0.8
Total Back Light	21775	42.1

UL - Uplight-Low(90-100)	10.738	0.0
UH - Uplight-High(100-180)	131.45	0.3
Total Up Light	142.18	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21715	59.756	21775
Street Side	29901	82.429	29983

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.2℃  
Operators:DAMIN  
Test Date:2024-04-10

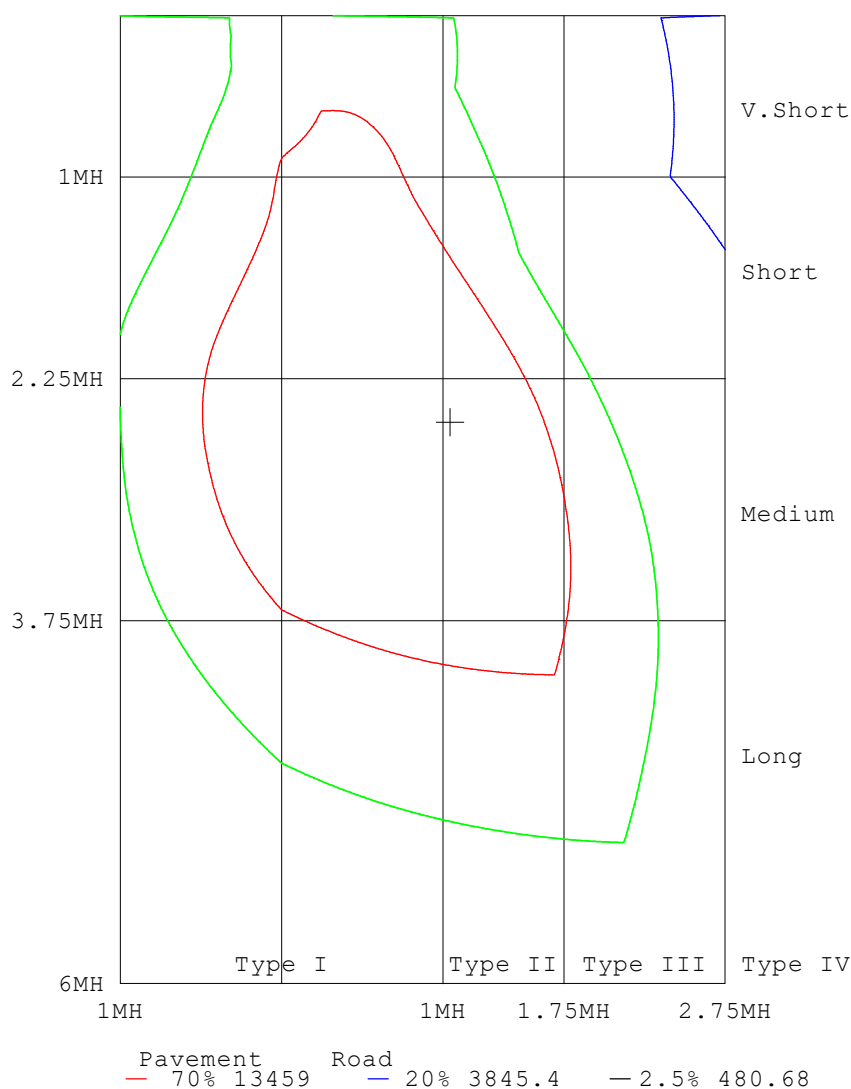
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:



# ROAD ISOCANDELA REPORT

Test:U:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 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: 24.2℃  
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:118.13V I:3.3412A P:394.23W PF:0.9989 Freq:60.01Hz Lamp Flux:51758x1 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	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182	1182			
5	1186	1203	1215	1222	1223	1220	1211	1197	1179	1160	1143	1132	1129	1134	1148	1166			
10	1191	1223	1242	1250	1251	1247	1234	1211	1176	1135	1098	1074	1067	1077	1109	1149			
15	1201	1245	1263	1266	1267	1263	1254	1229	1178	1111	1049	1009	999	1015	1065	1133			
20	1218	1272	1281	1276	1276	1273	1271	1255	1190	1090	997	944	933	952	1018	1122			
25	1246	1305	1297	1278	1271	1273	1291	1288	1212	1073	946	886	874	893	971	1114			
30	1281	1344	1313	1261	1244	1258	1308	1327	1240	1064	900	834	822	840	930	1115			
35	1324	1391	1322	1221	1192	1219	1320	1372	1277	1064	861	786	774	793	895	1127			
40	1387	1453	1317	1156	1111	1154	1317	1431	1327	1067	822	736	724	744	862	1148			
45	1440	1529	1294	1063	1004	1061	1301	1501	1365	1059	779	682	671	691	824	1154			
50	1472	1570	1243	947	880	946	1259	1539	1389	1051	737	627	619	638	788	1157			
55	1543	1617	1157	814	747	814	1181	1591	1444	1047	696	573	568	585	752	1173			
60	1652	1698	1042	672	603	670	1077	1691	1540	1056	651	521	520	535	710	1197			
65	1773	1792	901	515	445	514	943	1824	1660	1056	598	473	473	484	659	1200			
70	1767	1834	731	359	297	355	774	1928	1671	918	501	393	378	412	550	1077			
75	1359	1616	510	228	187	224	542	1652	1320	623	347	217	195	244	358	749			
80	668	996	264	131	104	127	270	933	689	246	162	87.7	81.4	100	153	293			
85	166	337	78.1	56.1	42.7	52.6	68.6	274	154	42.5	38.7	25.1	25.6	28.8	37.3	62.0			
90	3.44	2.72	1.63	0.96	0.80	0.89	1.33	2.64	0.92	0.54	0.34	0.24	0.20	0.26	0.43	0.74			
95	3.03	2.09	1.21	0.90	0.86	0.93	1.32	2.40	0.59	0.43	0.24	0.17	0.16	0.17	0.24	0.45			
100	3.24	2.26	1.37	1.04	1.04	1.09	1.50	2.49	0.76	0.48	0.26	0.19	0.21	0.29	0.28	0.47			
105	3.55	2.62	1.66	1.24	1.24	1.24	1.73	2.61	1.11	0.58	0.34	0.28	0.32	0.43	0.47	0.62			
110	3.71	2.93	1.85	1.51	1.32	1.48	1.92	2.69	1.48	0.89	0.54	0.48	0.49	0.66	0.80	0.95			
115	3.78	3.11	1.90	1.79	1.37	1.70	2.08	2.77	2.10	1.67	1.01	0.84	0.84	1.08	0.98	1.63			
120	3.61	3.10	2.06	1.99	1.37	1.89	2.18	2.71	2.78	2.49	1.73	1.32	1.32	1.65	1.61	2.48			
125	3.55	3.11	2.36	2.19	1.69	2.10	2.34	2.69	3.18	3.08	2.21	1.75	1.75	2.04	2.22	2.87			
130	3.62	3.08	2.62	2.43	1.96	2.29	2.52	2.77	3.29	3.22	2.53	2.10	2.12	2.38	2.61	2.89			
135	3.82	3.13	2.92	2.70	2.31	2.57	2.73	2.93	3.39	3.32	2.74	2.40	2.43	2.70	2.93	2.90			
140	4.00	3.30	3.18	2.98	2.67	2.88	2.93	3.10	3.49	3.40	2.93	2.70	2.71	2.90	3.11	2.91			
145	4.18	3.65	3.51	3.31	3.01	3.16	3.14	3.26	3.60	3.49	3.14	3.00	2.93	3.05	3.25	2.92			
150	4.43	4.13	3.89	3.71	3.41	3.46	3.40	3.47	3.72	3.54	3.29	3.25	3.18	3.11	3.19	2.91			
155	4.71	4.60	4.20	4.05	3.72	3.70	3.62	3.66	3.95	3.79	3.68	3.71	3.50	3.23	3.20	2.98			
160	5.05	5.04	4.54	4.37	4.00	3.94	3.88	3.90	4.49	4.36	4.20	4.11	3.75	3.38	3.29	3.31			
165	5.48	5.47	4.96	4.74	4.31	4.16	4.15	4.24	5.49	5.44	5.18	4.90	4.51	4.21	4.21	4.17			
170	6.22	6.17	5.57	5.24	4.86	4.66	4.76	4.98	6.17	6.16	5.64	5.33	4.98	4.76	4.84	4.86			
175	6.44	6.63	5.96	5.60	5.24	5.04	5.24	5.46	6.39	6.53	5.86	5.56	5.22	5.04	5.28	5.33			
180	6.29	6.33	5.64	5.24	4.92	4.83	5.24	5.48	6.30	6.43	5.73	5.30	4.99	4.89	5.32	5.58			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.2℃  
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: