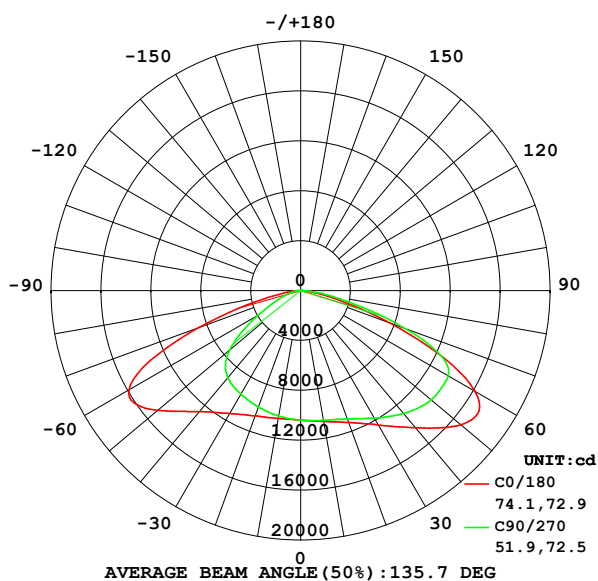
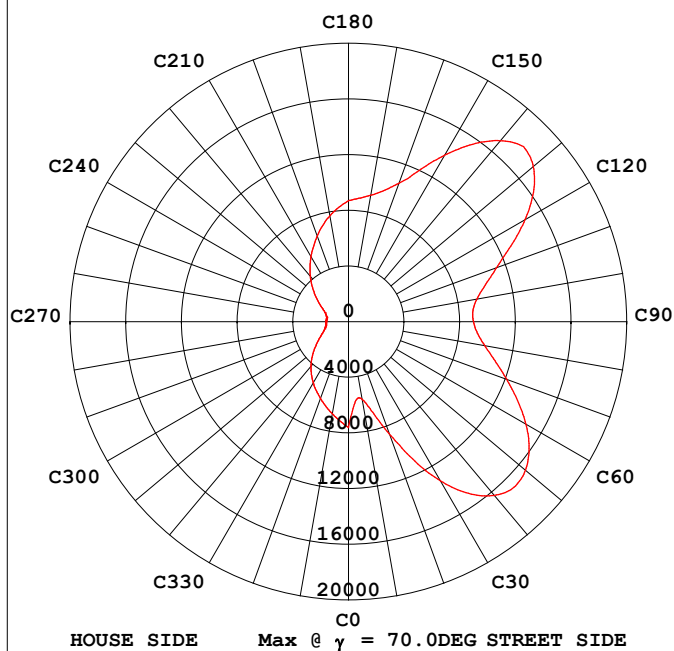


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.00 lm/W			
MODEL		I <sub>max</sub> (cd)	17785	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	60.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	54473	η house_up (%)	0.1
NOMINAL FLUX (lm)	54473.3	MAXIMUM @ (C, γ )	135,70.0	η house_down (%)	39.2
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	24.158

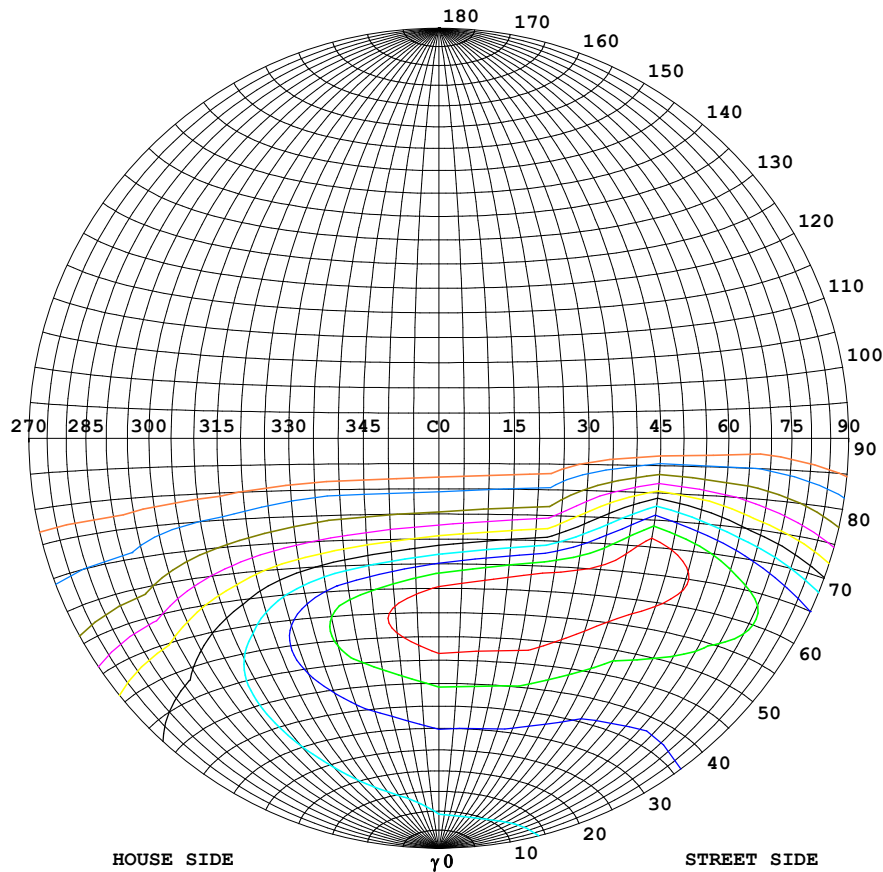
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
Operators:DAMIN  
Test Date:2024-01-04

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:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



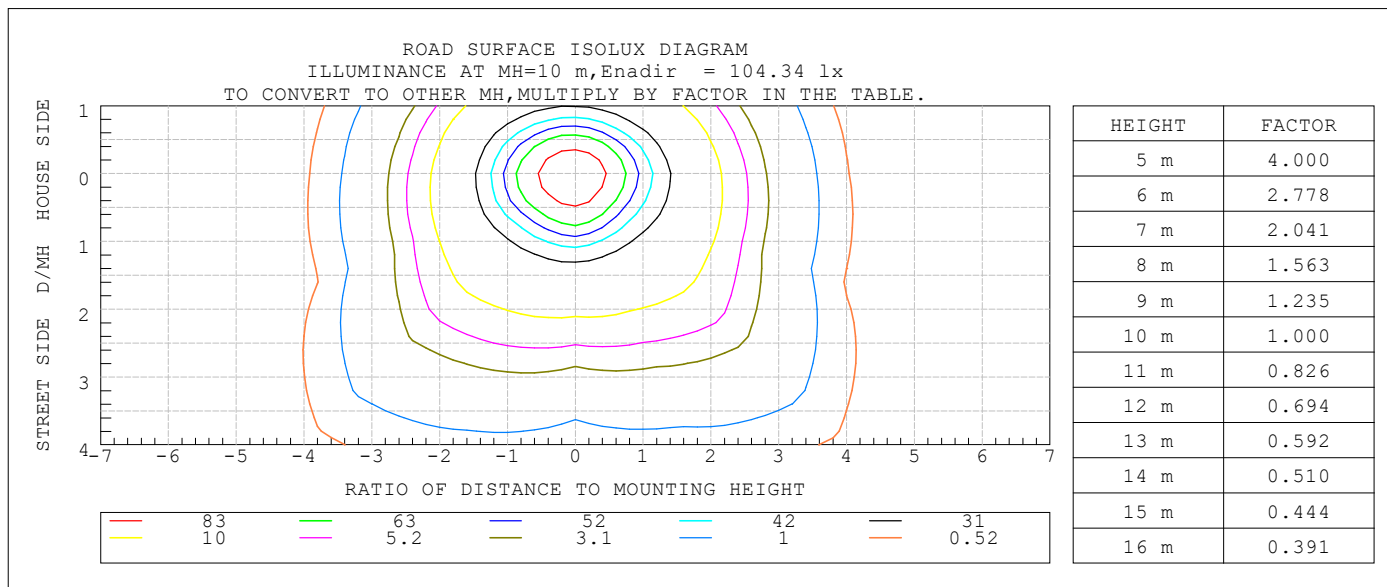
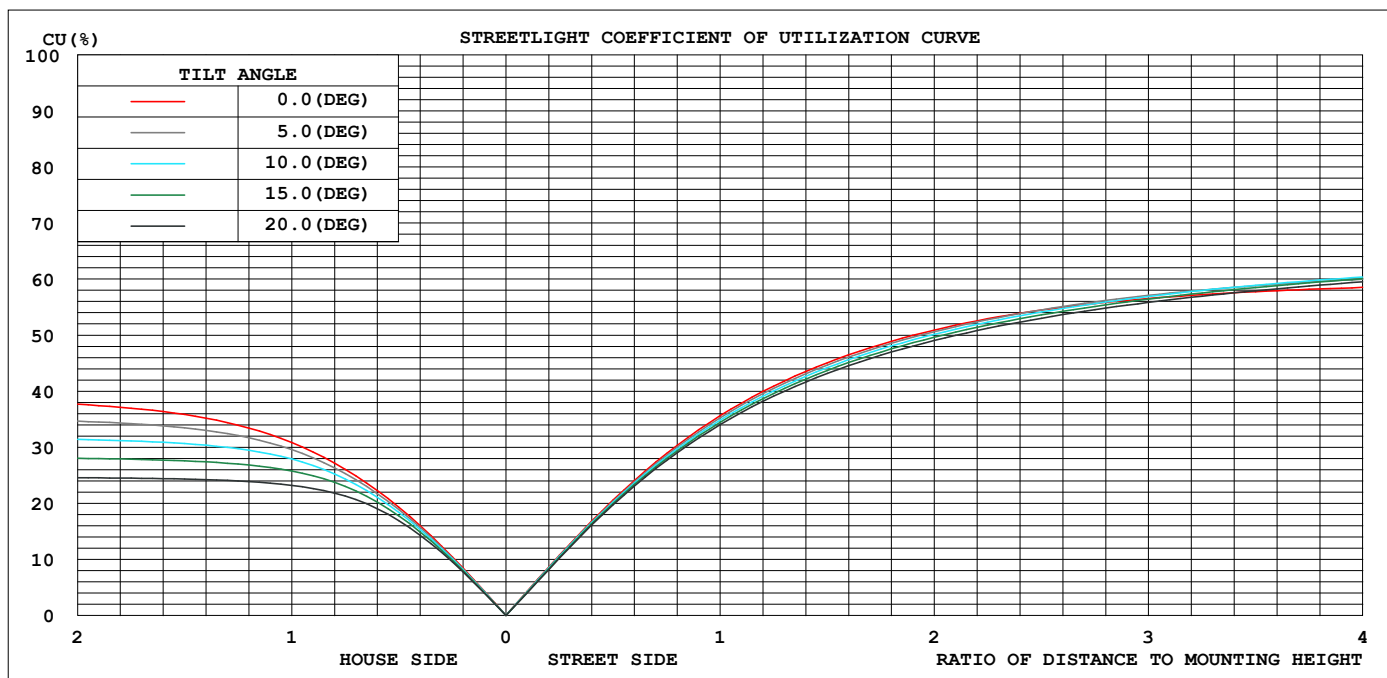
Classification:

IES:Type IV - Short  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:153.2cd/klm  
Max.At90:2.130cd/klm  
Max.80-90:153.2cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I <sub>max</sub> =100%		17785
90%		16007
80%		14228
70%		12450
60%		10671
50%		8893
40%		7114
30%		5336
20%		3557
10%		1779
5%		889

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7°C  
Operators:DAMIN  
Test Date:2024-01-04

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: 24.7°C  
Operators:DAMIN  
Test Date:2024-01-04

$\gamma$  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:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

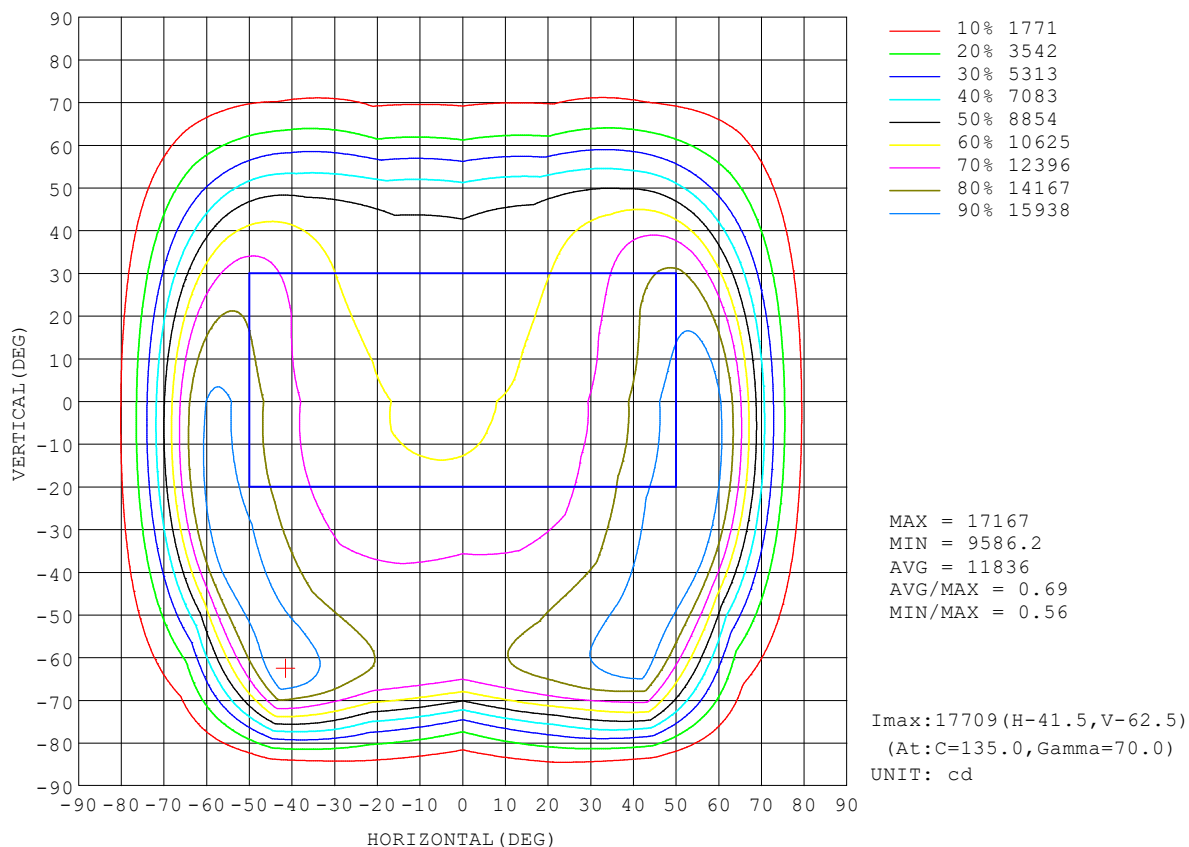
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1065	1065	1056	1049	1041	1025	1021	1044	0- 10	994.8	994.8	1.83,1.83
20	1126	1110	1096	1077	1070	1018	993.4	1060	10- 20	2996	3991	7.33,7.33
30	1244	1184	1180	1126	1138	1019	959.3	1089	20- 30	5053	9044	16.6,16.6
40	1435	1300	1286	1210	1267	1029	910.0	1125	30- 40	7262	16306	29.9,29.9
50	1674	1457	1365	1336	1494	1014	745.7	1118	40- 50	9623	25928	47.6,47.6
60	1611	1654	1365	1557	1590	794.6	392.7	849.4	50- 60	11416	37344	68.6,68.6
70	762.1	1683	899.7	1779	869.3	374.2	164.7	373.9	60- 70	10445	47789	87.7,87.7
80	155.9	753.3	233.0	834.8	179.5	82.14	63.09	78.77	70- 80	5521	53311	97.9,97.9
90	1.832	11.60	2.189	10.84	0.5593	0.6345	0.2305	0.6521	80- 90	1017	54328	99.7,99.7
100	2.646	2.157	2.532	2.714	0.2966	0.4912	0.5250	0.4337	90-100	15.52	54343	99.8,99.8
110	3.277	2.210	1.961	2.430	0.7962	1.057	1.395	0.9092	100-110	16.70	54360	99.8,99.8
120	3.458	2.449	2.195	2.638	1.911	2.538	2.510	1.906	110-120	20.78	54381	99.8,99.8
130	3.413	2.995	2.516	2.924	2.627	3.004	2.889	2.397	120-130	24.00	54405	99.9,99.9
140	3.480	3.279	2.899	3.032	2.733	2.724	2.650	2.380	130-140	21.91	54427	99.9,99.9
150	3.592	3.547	3.231	3.138	2.652	2.663	2.605	2.361	140-150	18.02	54445	99.9,99.9
160	3.980	3.853	3.461	3.400	3.122	2.969	2.929	2.557	150-160	14.08	54459	100,100
170	4.675	4.332	3.712	3.813	4.792	4.277	3.645	3.816	160-170	10.34	54469	100,100
180	4.800	4.310	3.618	3.994	4.917	4.389	3.667	4.054	170-180	4.053	54473	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
Operators:DAMIN  
Test Date:2024-01-04

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

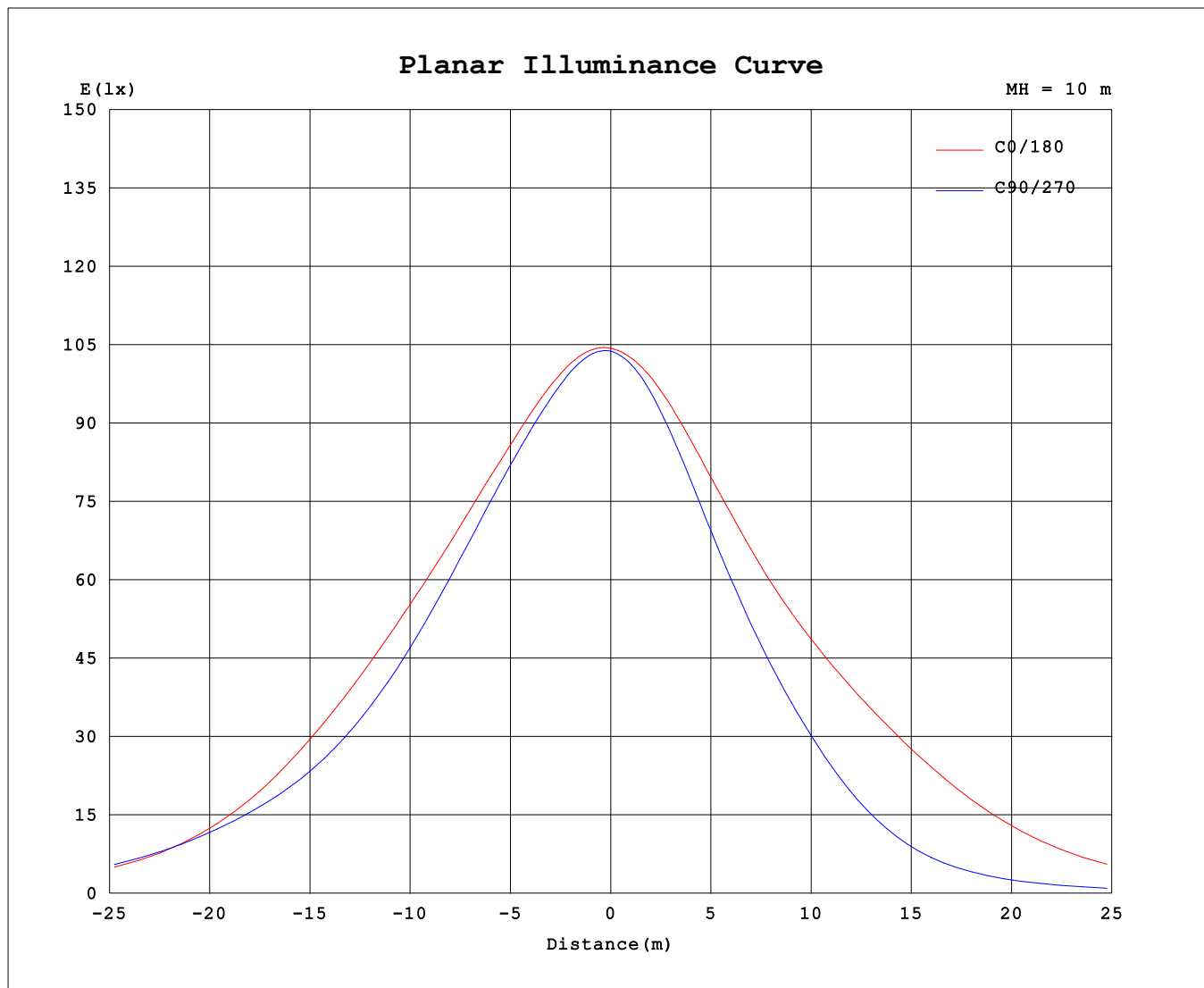
Test:U:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7°C  
Operators:DAMIN  
Test Date:2024-01-04

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



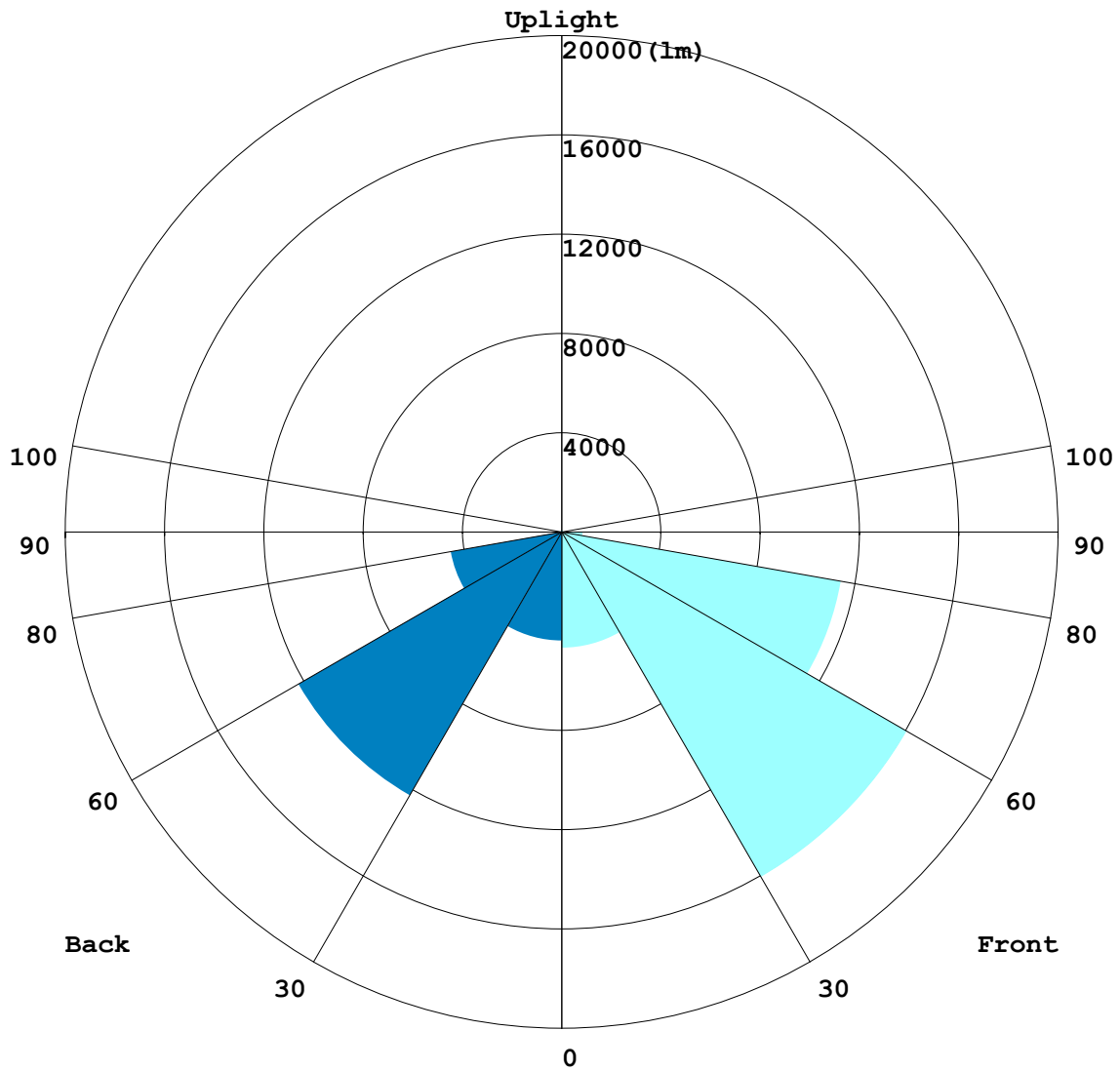
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.7°C  
 Operators:DAMIN  
 Test Date:2024-01-04

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:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
Operators:DAMIN  
Test Date:2024-01-04

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:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 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)	4661.1	8.6
FM - Front-Medium(30-60)	16054	29.5
FH - Front-High(60-80)	11425	21.0
FVH - Front-Very High(80-90)	837.21	1.5
Total Forward Light	33067	60.7

BL - Back-Low(0-30)	4382.8	8.0
BM - Back-Medium(30-60)	12246	22.5
BH - Back-High(60-80)	4541.7	8.3
BVH - Back-Very High(80-90)	180.09	0.3
Total Back Light	21406	39.3

UL - Uplight-Low(90-100)	15.522	0.0
UH - Uplight-High(100-180)	129.88	0.2
Total Up Light	145.4	0.3

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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	21350	55.837	21406
Street Side	32977	89.566	33067

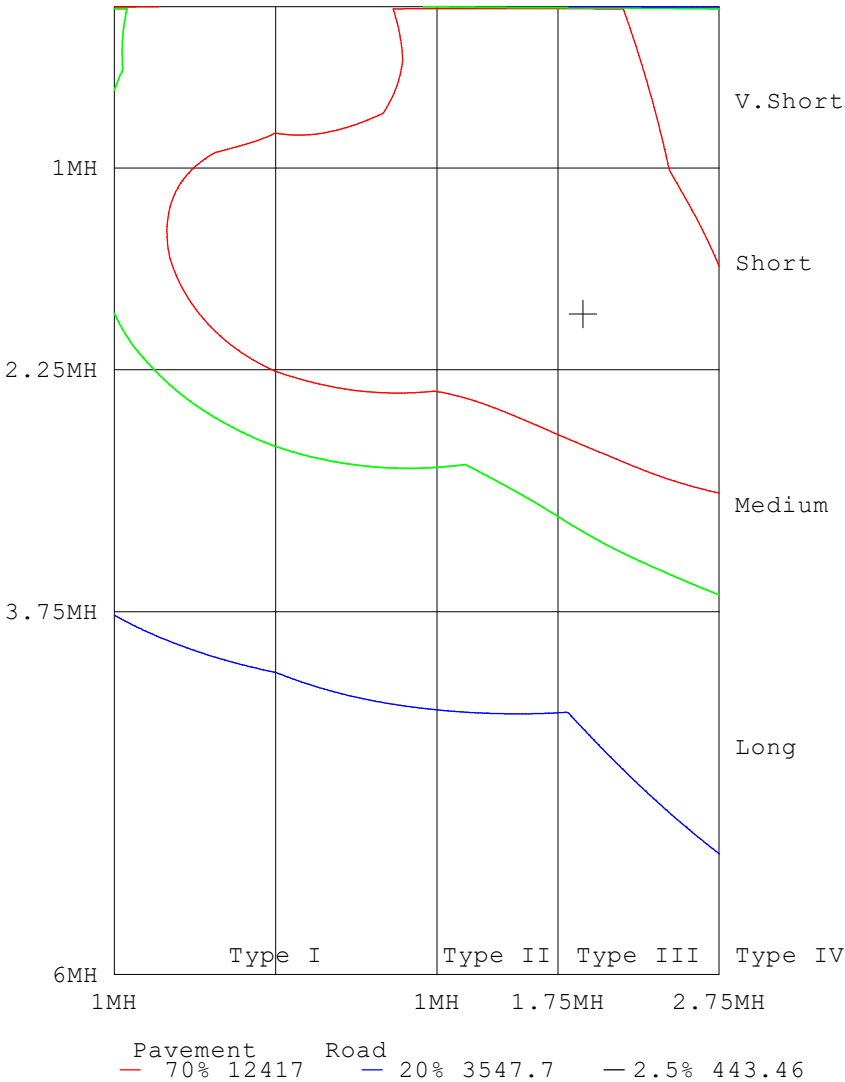
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
Operators:DAMIN  
Test Date:2024-01-04

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:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 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: 24.7°C  
Operators:DAMIN  
Test Date:2024-01-04

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:117.62V I:3.8306A P:450.18W PF:0.9991 Freq:60.01Hz Lamp Flux:54473.3x1 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	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038			
5	1048	1050	1050	1048	1046	1044	1042	1039	1036	1033	1031	1030	1031	1035	1039	1044			
10	1065	1068	1065	1060	1056	1052	1049	1046	1041	1034	1025	1020	1021	1030	1044	1057			
15	1090	1092	1085	1077	1071	1065	1061	1057	1052	1040	1021	1008	1008	1025	1050	1075			
20	1126	1125	1110	1100	1096	1086	1077	1074	1070	1050	1018	994	993	1017	1060	1101			
25	1175	1170	1143	1131	1132	1117	1099	1097	1097	1068	1017	980	977	1009	1072	1137			
30	1244	1231	1184	1171	1180	1154	1126	1130	1138	1094	1019	966	959	1001	1089	1186			
35	1331	1314	1236	1218	1233	1194	1162	1179	1193	1130	1022	951	939	990	1107	1247			
40	1435	1415	1300	1271	1286	1240	1210	1244	1267	1181	1029	932	910	973	1125	1322			
45	1557	1528	1375	1327	1331	1283	1267	1335	1370	1246	1034	894	855	934	1137	1408			
50	1674	1648	1457	1381	1365	1327	1336	1454	1494	1309	1014	815	746	852	1118	1478			
55	1728	1742	1552	1426	1372	1364	1433	1594	1599	1323	943	667	575	700	1032	1473			
60	1611	1741	1654	1460	1365	1402	1557	1698	1590	1223	795	473	393	499	849	1308			
65	1252	1494	1723	1463	1245	1397	1690	1589	1334	977	588	301	254	320	605	955			
70	762	962	1683	1273	900	1200	1779	1114	869	626	374	186	165	198	374	568			
75	377	486	1324	860	502	803	1481	594	450	356	198	113	106	118	196	318			
80	156	193	753	473	233	425	835	252	180	141	82.1	60.2	63.1	62.6	78.8	135			
85	38.3	52.1	198	177	79.4	158	216	69.9	45.6	24.1	19.9	19.4	25.2	20.3	19.9	26.0			
90	1.83	2.02	11.6	3.71	2.19	2.68	10.8	2.02	0.56	0.58	0.63	0.42	0.23	0.44	0.65	0.57			
95	2.15	1.80	2.59	2.84	2.10	2.82	3.25	1.94	0.26	0.30	0.35	0.27	0.27	0.27	0.34	0.27			
100	2.65	2.10	2.16	3.08	2.53	3.13	2.71	2.22	0.30	0.47	0.49	0.42	0.53	0.51	0.43	0.33			
105	3.01	2.42	2.06	2.34	2.05	2.47	2.39	2.55	0.48	0.78	0.70	0.71	0.94	0.80	0.62	0.51			
110	3.28	2.69	2.21	2.18	1.96	2.26	2.43	2.77	0.80	1.05	1.06	1.28	1.40	1.23	0.91	0.72			
115	3.43	2.95	2.30	2.29	2.07	2.28	2.54	2.88	1.29	1.45	1.66	2.03	1.97	1.86	1.28	1.10			
120	3.46	3.13	2.45	2.48	2.20	2.35	2.64	2.89	1.91	2.03	2.54	2.70	2.51	2.43	1.91	1.66			
125	3.43	3.23	2.77	2.71	2.34	2.53	2.79	2.91	2.33	2.49	3.00	2.97	2.81	2.56	2.31	2.07			
130	3.41	3.18	3.00	2.91	2.52	2.69	2.92	2.91	2.63	2.80	3.00	2.92	2.89	2.57	2.40	2.19			
135	3.44	3.06	3.17	3.07	2.72	2.86	3.00	2.89	2.77	2.92	2.86	2.77	2.80	2.50	2.40	2.07			
140	3.48	3.06	3.28	3.20	2.90	2.99	3.03	2.95	2.73	2.83	2.72	2.69	2.65	2.47	2.38	1.99			
145	3.49	3.25	3.41	3.35	3.08	3.13	3.09	3.03	2.65	2.70	2.65	2.69	2.55	2.42	2.37	1.92			
150	3.59	3.54	3.55	3.51	3.23	3.24	3.14	3.10	2.65	2.69	2.66	2.71	2.61	2.43	2.36	1.97			
155	3.76	3.84	3.67	3.63	3.35	3.35	3.24	3.20	2.70	2.75	2.76	2.82	2.68	2.45	2.33	1.98			
160	3.98	4.10	3.85	3.77	3.46	3.44	3.40	3.34	3.12	2.98	2.97	3.04	2.93	2.59	2.56	2.28			
165	4.25	4.36	4.07	3.90	3.55	3.50	3.56	3.55	4.03	3.93	3.84	3.80	3.48	3.27	3.33	3.12			
170	4.67	4.70	4.33	4.07	3.71	3.65	3.81	3.93	4.79	4.70	4.28	4.03	3.64	3.58	3.82	3.79			
175	4.82	5.01	4.54	4.22	3.89	3.84	4.07	4.22	4.98	5.05	4.48	4.20	3.84	3.86	4.18	4.21			
180	4.80	4.86	4.31	3.94	3.62	3.61	3.99	4.26	4.92	4.95	4.39	4.00	3.67	3.66	4.05	4.35			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.7℃  
Operators:DAMIN  
Test Date:2024-01-04

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: