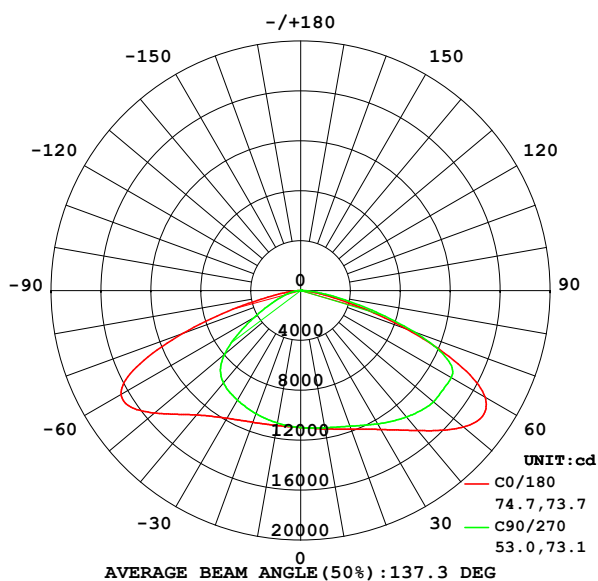
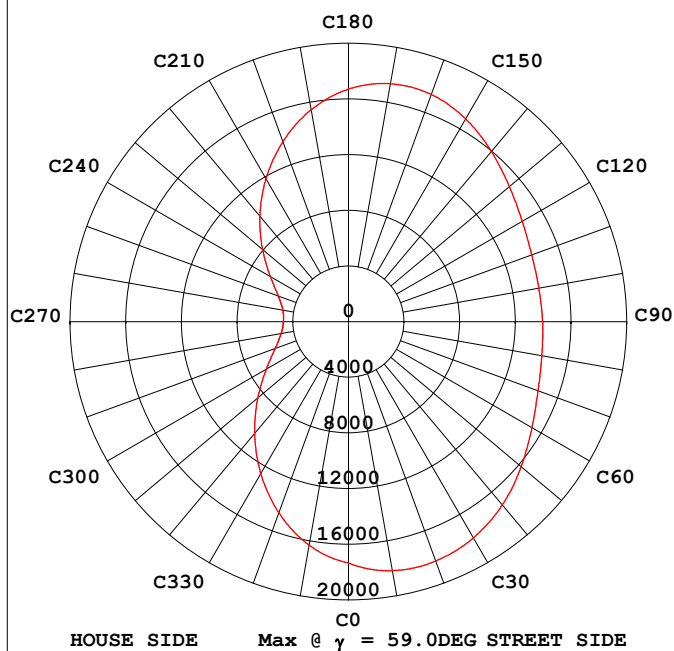


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.62 lm/W			
MODEL		I _{max} (cd)	18252	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	60.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	57331	η house_up (%)	0.1
NOMINAL FLUX (lm)	57330.9	MAXIMUM @ (C, γ)	23,59.0	η house_down (%)	39.5
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	24.288

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:DAMIN
Test Date:2024-01-04

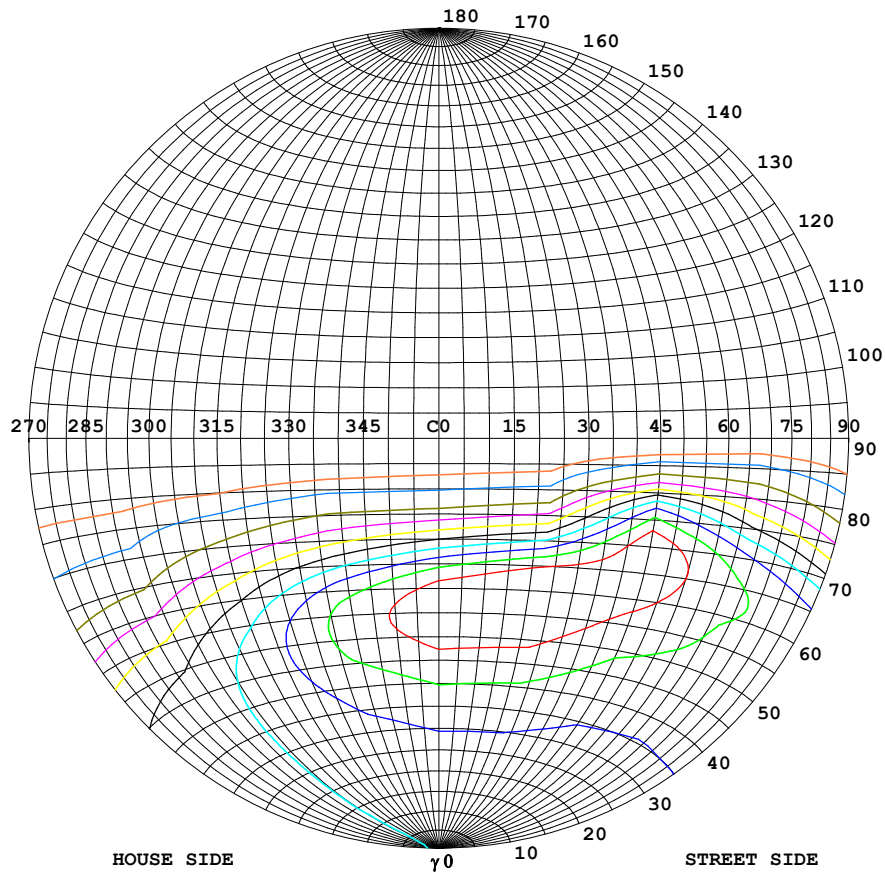
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz

Lamp Flux:57330.9x1 lm

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



Classification:

IES:Type IV - Short

CIE:Broad - Short

IES:Semi cut-off

CIE:Non-cut-off

Max.At80:166.5cd/klm

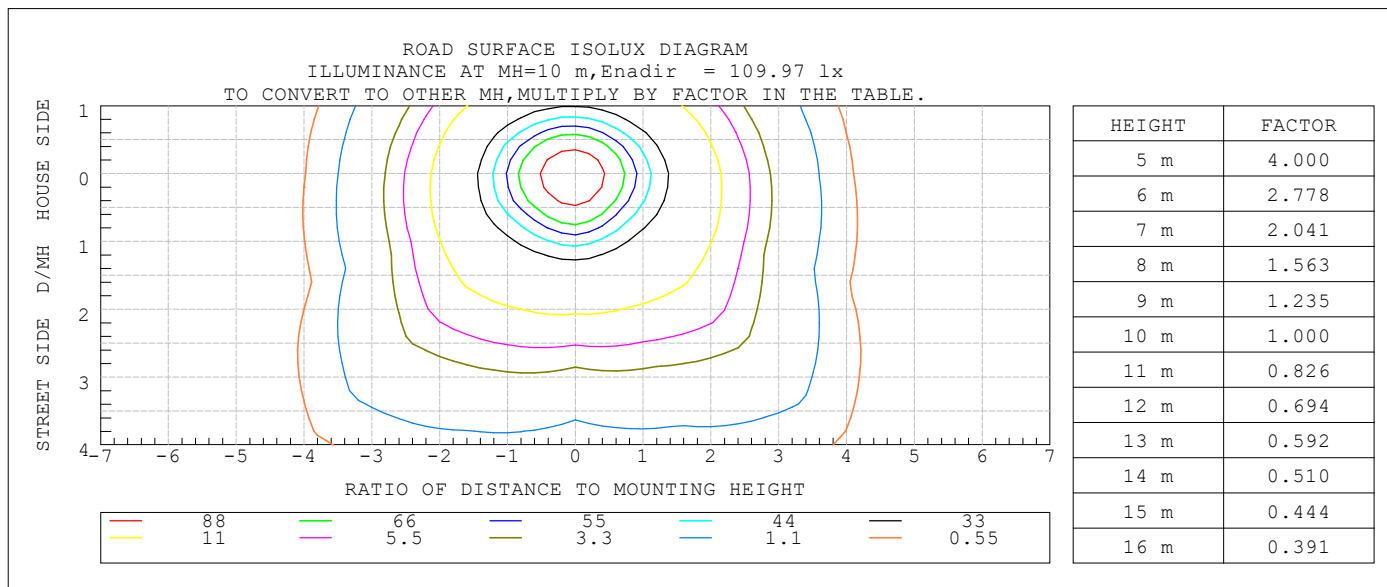
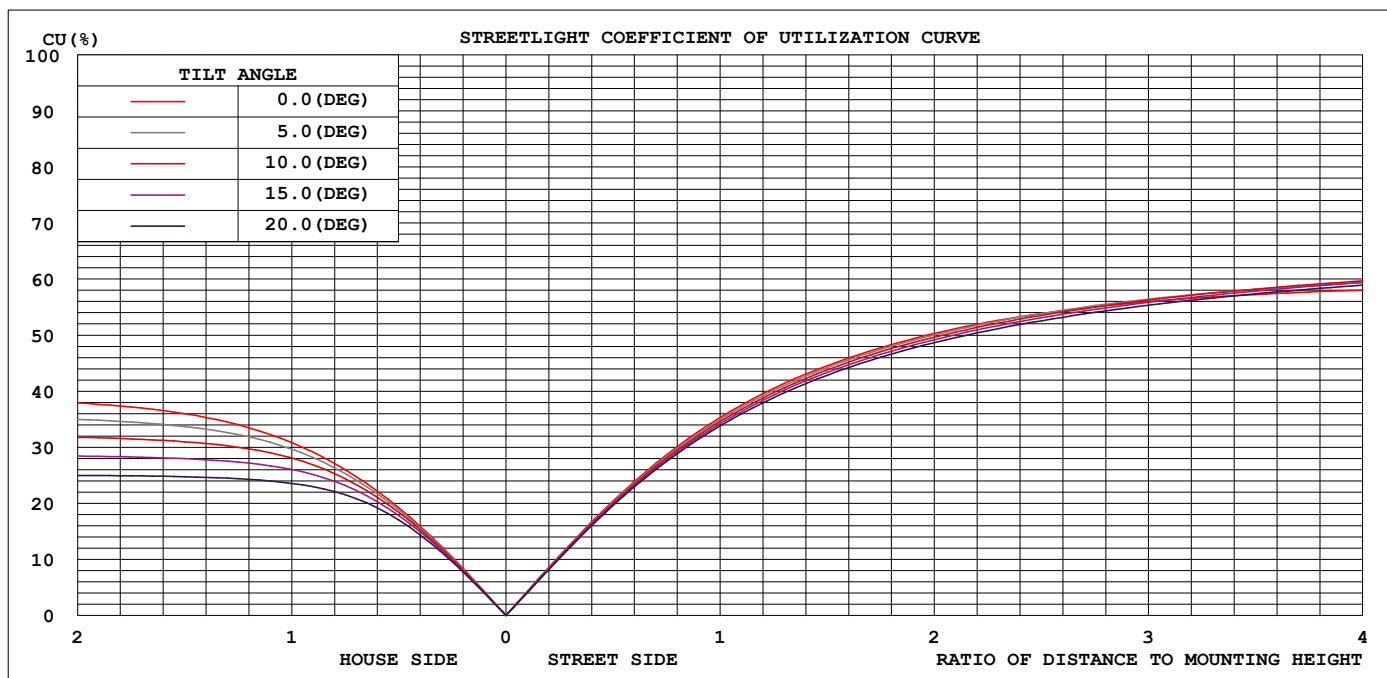
Max.At90:1.094cd/klm

Max.80-90:166.5cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		18252
90%		16427
80%		14602
70%		12777
60%		10951
50%		9126
40%		7301
30%		5476
20%		3650
10%		1825
5%		913

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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: MEDIUM
Temperature: 25.1°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

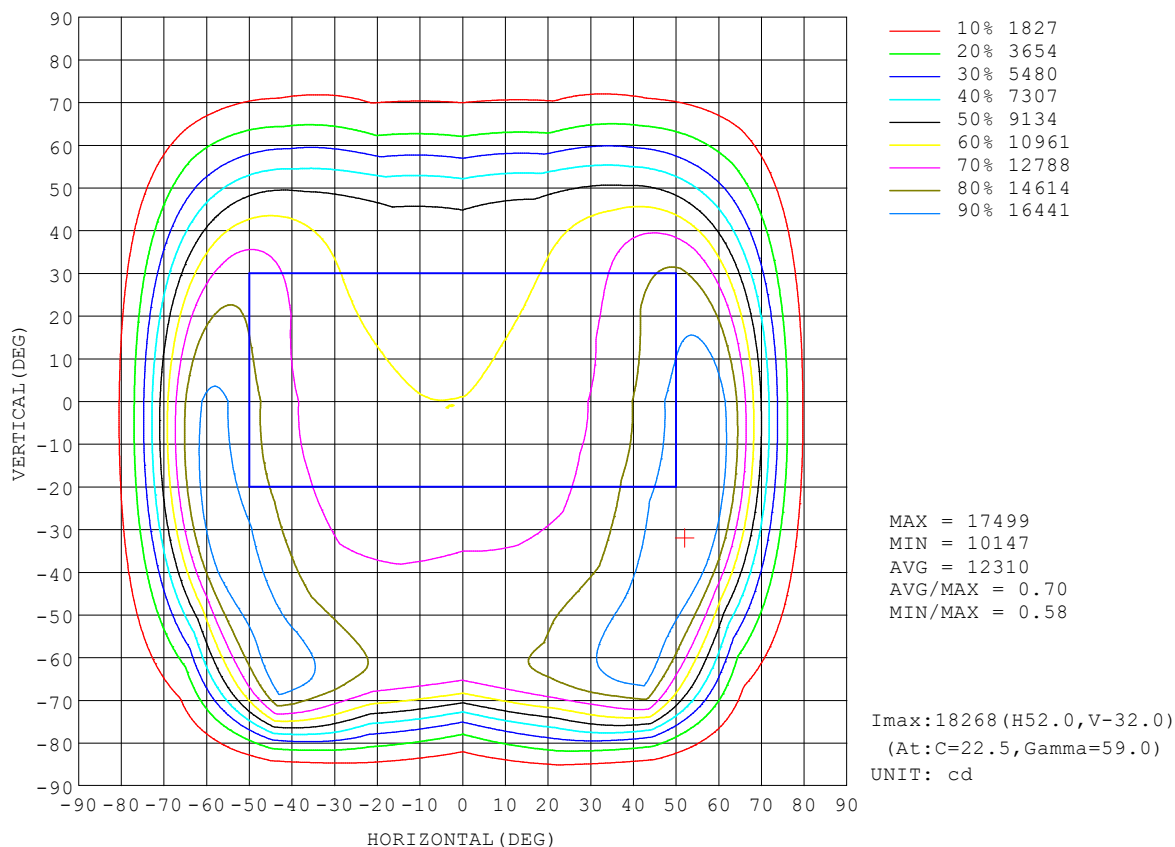
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1125	1128	1117	1108	1098	1082	1078	1102	0- 10	1051	1051	1.83,1.83
20	1183	1173	1157	1135	1123	1072	1050	1116	10- 20	3161	4212	7.35,7.35
30	1286	1239	1234	1179	1182	1068	1015	1140	20- 30	5306	9518	16.6,16.6
40	1465	1341	1322	1251	1302	1079	964.8	1173	30- 40	7554	17072	29.8,29.8
50	1701	1487	1389	1367	1528	1071	798.9	1167	40- 50	9929	27001	47.1,47.1
60	1706	1693	1394	1578	1662	860.2	431.7	904.9	50- 60	11789	38790	67.7,67.7
70	904.2	1781	966.1	1813	1003	416.2	181.3	422.1	60- 70	11093	49883	87,87
80	173.1	846.3	264.4	954.4	200.9	91.76	68.52	89.56	70- 80	6159	56042	97.8,97.8
90	2.054	6.275	2.577	5.866	0.6451	0.7404	0.2498	0.7387	80- 90	1135	57176	99.7,99.7
100	2.785	2.414	3.157	3.143	0.3359	0.5386	0.5806	0.4640	90-100	17.38	57194	99.8,99.8
110	3.415	2.359	2.248	2.590	0.9070	1.153	1.477	0.9864	100-110	18.56	57212	99.8,99.8
120	3.568	2.572	2.375	2.771	2.036	2.713	2.603	2.006	110-120	22.14	57234	99.8,99.8
130	3.521	3.132	2.677	3.063	2.741	3.103	2.976	2.465	120-130	25.10	57259	99.9,99.9
140	3.623	3.428	3.064	3.183	2.822	2.817	2.736	2.462	130-140	22.78	57282	99.9,99.9
150	3.773	3.717	3.409	3.307	2.772	2.775	2.713	2.453	140-150	18.81	57301	99.9,99.9
160	4.188	4.047	3.647	3.587	3.263	3.109	3.065	2.664	150-160	14.75	57316	100,100
170	4.927	4.560	3.911	4.016	5.013	4.482	3.826	3.993	160-170	10.85	57327	100,100
180	5.047	4.533	3.803	4.193	5.168	4.615	3.854	4.256	170-180	4.259	57331	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

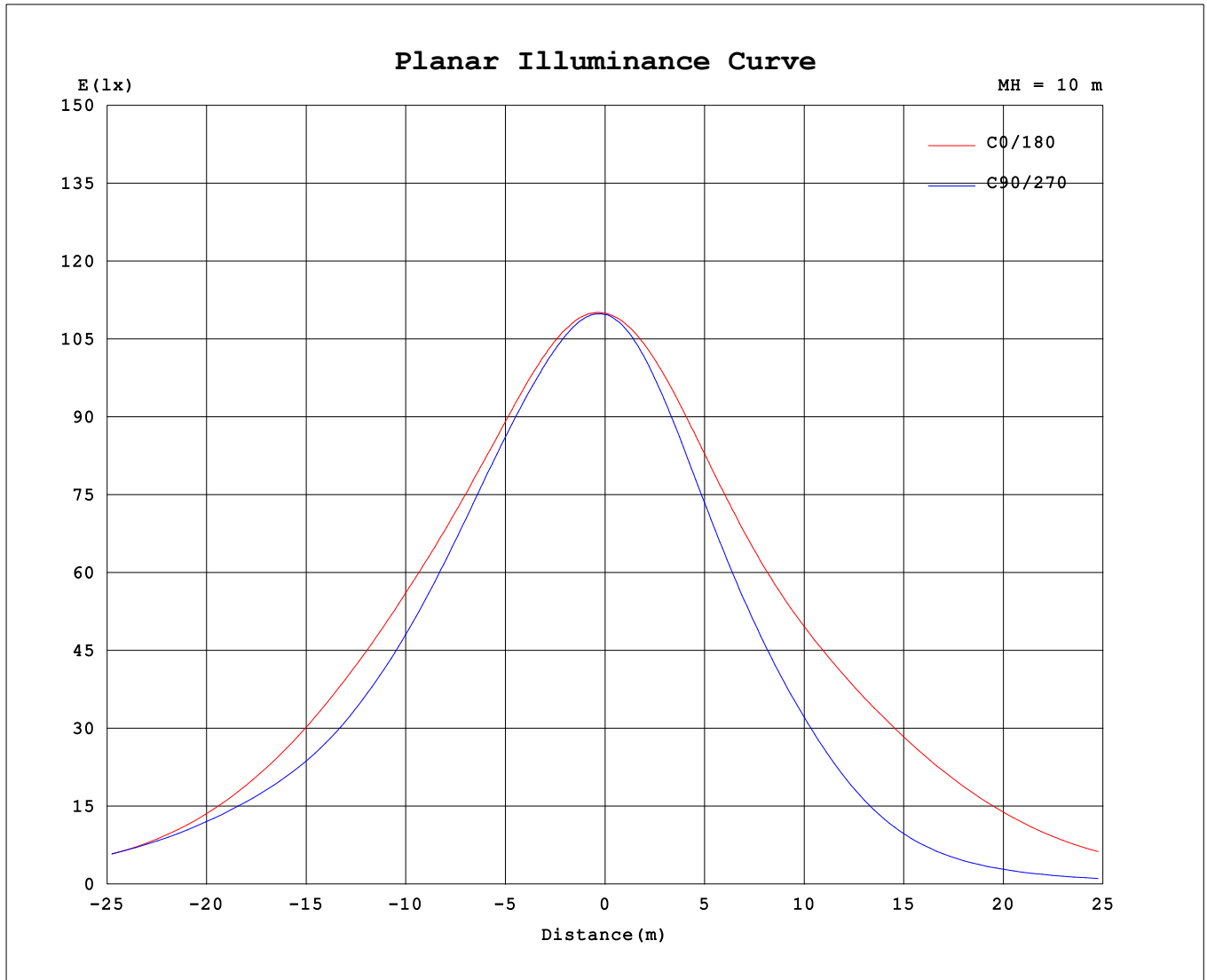
Test:U:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1°C
Operators: DAMIN
Test Date: 2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve



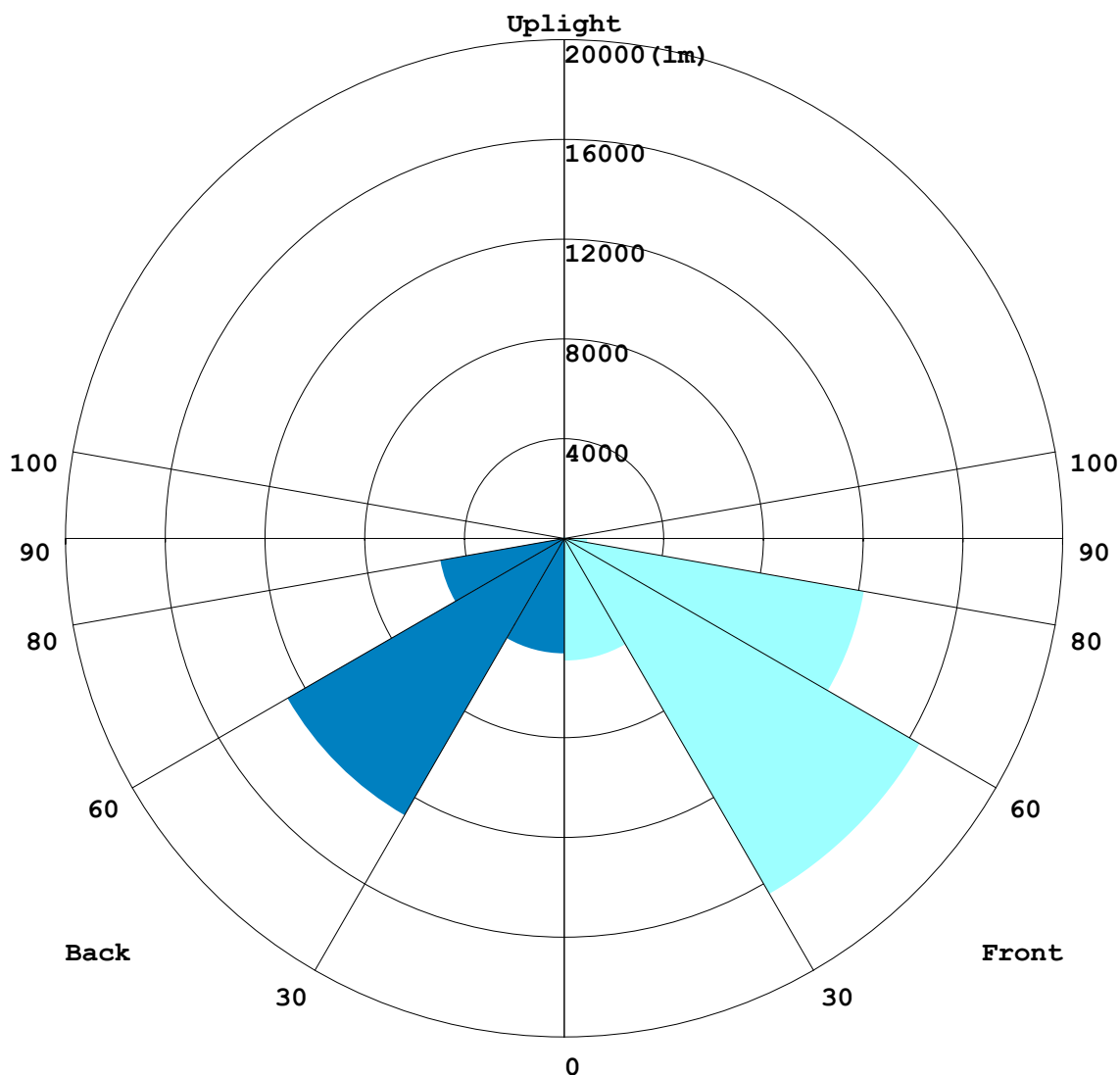
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.1°C
 Operators:DAMIN
 Test Date:2024-01-04

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 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: MEDIUM
Temperature: 25.1°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 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)	4906	8.6
FM - Front-Medium(30-60)	16460	28.7
FH - Front-High(60-80)	12211	21.3
FVH - Front-Very High(80-90)	935.2	1.6
Total Forward Light	34609	60.4

BL - Back-Low(0-30)	4612.2	8.0
BM - Back-Medium(30-60)	12812	22.3
BH - Back-High(60-80)	5040.4	8.8
BVH - Back-Very High(80-90)	199.39	0.3
Total Back Light	22722	39.6

UL - Uplight-Low(90-100)	17.382	0.0
UH - Uplight-High(100-180)	137.25	0.2
Total Up Light	154.63	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22664	58.599	22722
Street Side	34513	96.033	34609

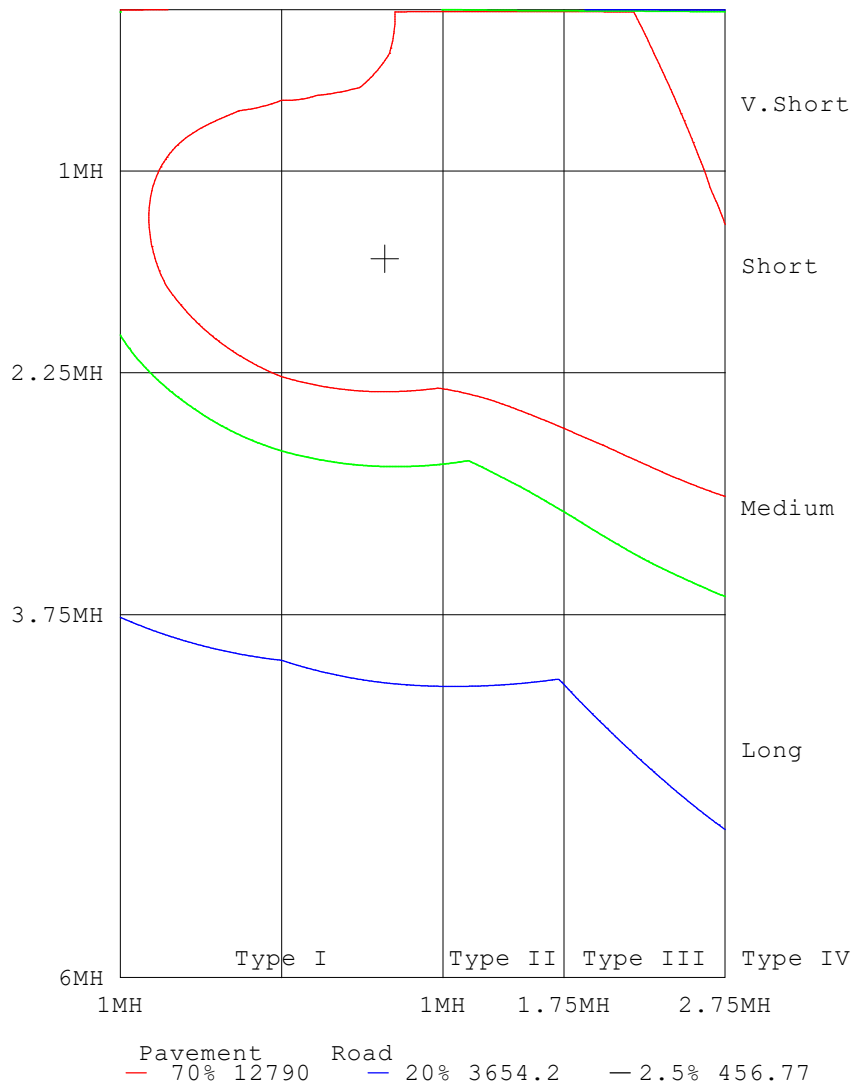
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 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: MEDIUM
Temperature: 25.1°C
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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:117.64V I:3.8521A P:452.79W PF:0.9992 Freq:60.01Hz Lamp Flux:57330.9x1 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	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098			
5	1109	1111	1111	1109	1106	1104	1101	1098	1095	1091	1089	1087	1089	1093	1099	1104			
10	1125	1129	1128	1123	1117	1112	1108	1103	1098	1090	1082	1077	1078	1087	1102	1116			
15	1150	1153	1148	1140	1133	1125	1119	1114	1108	1093	1077	1064	1065	1081	1109	1134			
20	1183	1183	1173	1164	1157	1145	1135	1130	1123	1102	1072	1051	1050	1074	1116	1158			
25	1227	1225	1203	1195	1192	1172	1154	1153	1147	1116	1069	1036	1033	1066	1126	1190			
30	1286	1279	1239	1232	1234	1206	1179	1184	1182	1139	1068	1020	1015	1055	1140	1234			
35	1364	1350	1285	1272	1279	1242	1212	1227	1231	1172	1071	1005	994	1044	1156	1291			
40	1465	1442	1341	1314	1322	1277	1251	1289	1302	1221	1079	986	965	1026	1173	1363			
45	1584	1555	1407	1358	1361	1315	1302	1376	1403	1287	1085	949	911	988	1185	1447			
50	1701	1680	1487	1403	1389	1353	1367	1494	1528	1356	1071	871	799	905	1167	1515			
55	1771	1788	1584	1439	1390	1383	1457	1632	1642	1383	1007	721	622	750	1083	1515			
60	1706	1822	1693	1472	1394	1417	1578	1746	1662	1303	860	518	432	544	905	1371			
65	1394	1627	1771	1483	1295	1429	1706	1678	1454	1068	646	334	282	352	661	1060			
70	904	1106	1781	1327	966	1251	1813	1233	1003	726	416	207	181	217	422	682			
75	443	576	1500	937	557	864	1619	684	522	411	225	124	115	130	229	380			
80	173	213	846	538	264	472	954	273	201	150	91.8	66.6	68.5	69.3	89.6	156			
85	43.7	59.8	230	212	89.4	184	257	75.8	48.9	26.7	22.1	21.5	27.3	22.1	22.0	30.6			
90	2.05	2.00	6.27	3.80	2.58	2.95	5.87	2.16	0.65	0.64	0.74	0.51	0.25	0.53	0.74	0.63			
95	2.32	1.97	3.04	3.71	2.59	3.39	3.90	2.13	0.30	0.34	0.39	0.30	0.30	0.30	0.38	0.31			
100	2.78	2.22	2.41	4.05	3.16	3.76	3.14	2.34	0.34	0.55	0.54	0.47	0.58	0.56	0.46	0.37			
105	3.18	2.56	2.22	2.92	2.48	2.87	2.61	2.66	0.57	0.85	0.76	0.78	1.01	0.88	0.66	0.55			
110	3.42	2.84	2.36	2.54	2.25	2.55	2.59	2.87	0.91	1.12	1.15	1.38	1.48	1.30	0.99	0.79			
115	3.56	3.10	2.43	2.56	2.28	2.50	2.68	2.99	1.40	1.55	1.80	2.15	2.07	1.94	1.37	1.18			
120	3.57	3.25	2.57	2.70	2.38	2.53	2.77	2.99	2.04	2.17	2.71	2.82	2.60	2.52	2.01	1.78			
125	3.53	3.34	2.90	2.90	2.51	2.69	2.92	3.01	2.48	2.63	3.13	3.07	2.91	2.64	2.38	2.19			
130	3.52	3.30	3.13	3.09	2.68	2.85	3.06	3.02	2.74	2.91	3.10	3.00	2.98	2.64	2.47	2.27			
135	3.56	3.17	3.31	3.24	2.88	3.02	3.15	3.00	2.85	3.01	2.94	2.85	2.88	2.57	2.47	2.15			
140	3.62	3.18	3.43	3.37	3.06	3.16	3.18	3.07	2.82	2.93	2.82	2.78	2.74	2.56	2.46	2.07			
145	3.65	3.39	3.57	3.53	3.25	3.30	3.25	3.16	2.75	2.81	2.75	2.78	2.65	2.51	2.46	2.00			
150	3.77	3.70	3.72	3.69	3.41	3.42	3.31	3.26	2.77	2.79	2.78	2.82	2.71	2.53	2.45	2.06			
155	3.95	4.02	3.85	3.81	3.54	3.53	3.42	3.36	2.83	2.87	2.88	2.95	2.79	2.56	2.43	2.07			
160	4.19	4.29	4.05	3.96	3.65	3.63	3.59	3.51	3.26	3.12	3.11	3.18	3.06	2.71	2.66	2.38			
165	4.48	4.58	4.28	4.10	3.74	3.69	3.76	3.72	4.21	4.10	4.02	3.98	3.65	3.42	3.47	3.25			
170	4.93	4.94	4.56	4.29	3.91	3.85	4.02	4.13	5.01	4.91	4.48	4.23	3.83	3.76	3.99	3.96			
175	5.08	5.26	4.78	4.44	4.09	4.04	4.28	4.44	5.22	5.29	4.71	4.42	4.04	4.06	4.39	4.41			
180	5.05	5.10	4.53	4.15	3.80	3.79	4.19	4.48	5.17	5.20	4.62	4.21	3.85	3.85	4.26	4.57			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.1℃
Operators:DAMIN
Test Date:2024-01-04

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: