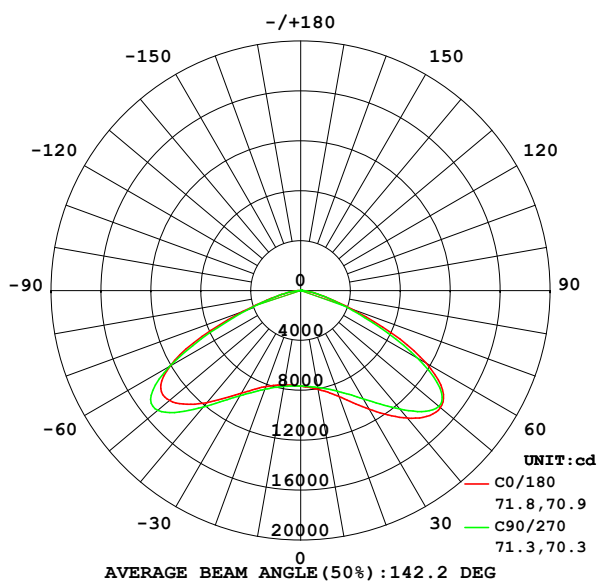
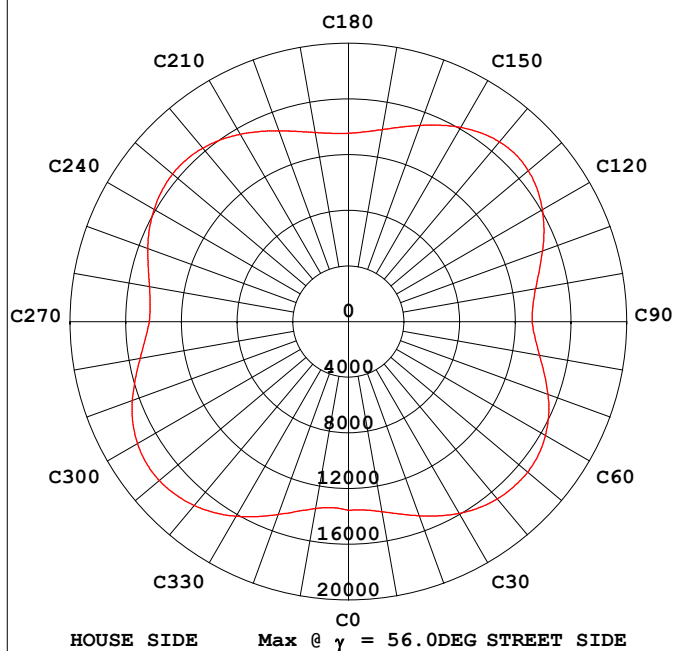


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.18 lm/W			
MODEL		I _{max} (cd)	17571	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	49.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	54242	η house_up (%)	0.1
NOMINAL FLUX (lm)	54242.1	MAXIMUM @ (C, γ)	315,56.0	η house_down (%)	50.0
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	23.466

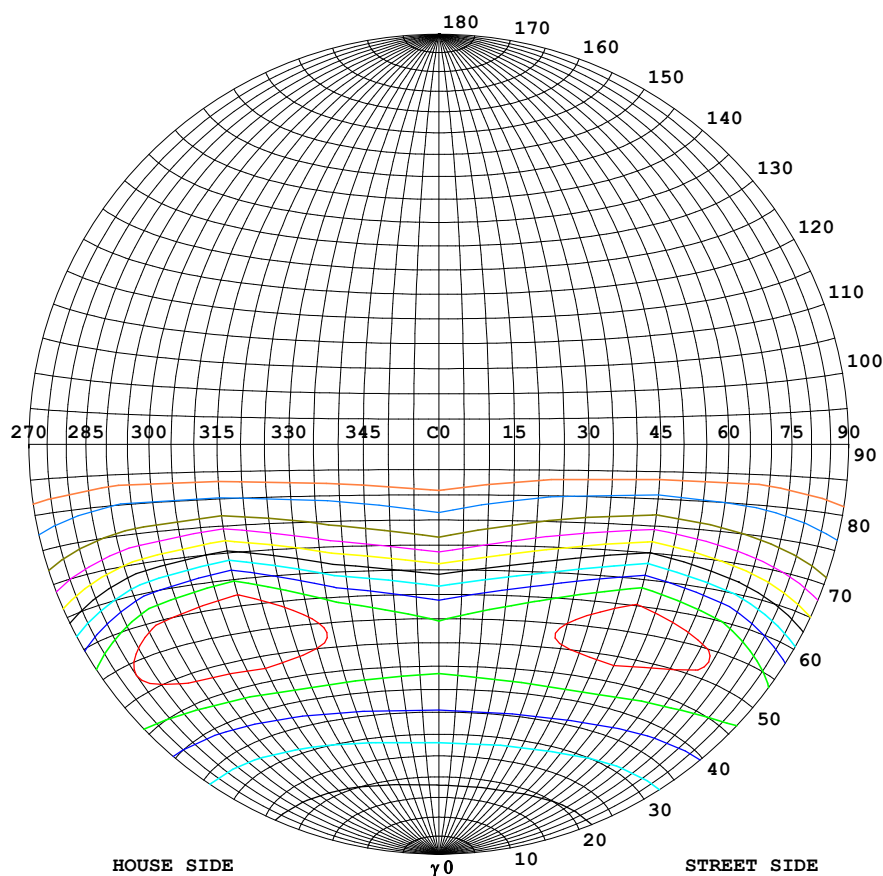
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4 °C
Operators:DAMIN
Test Date:2024-01-15

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:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

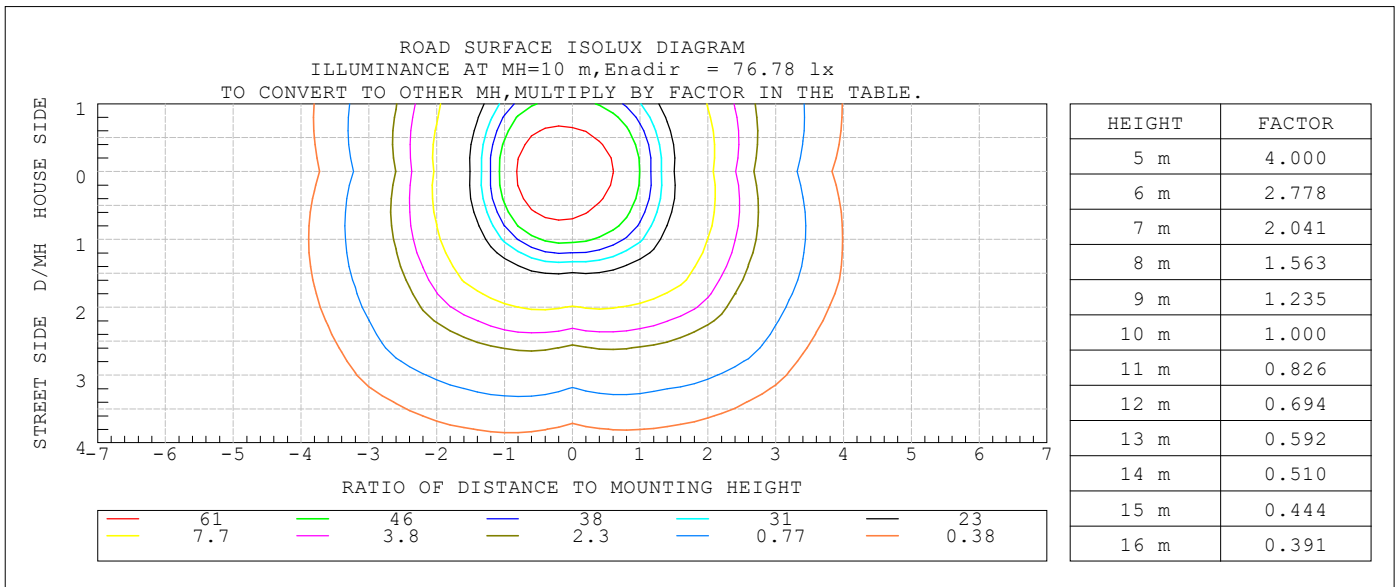
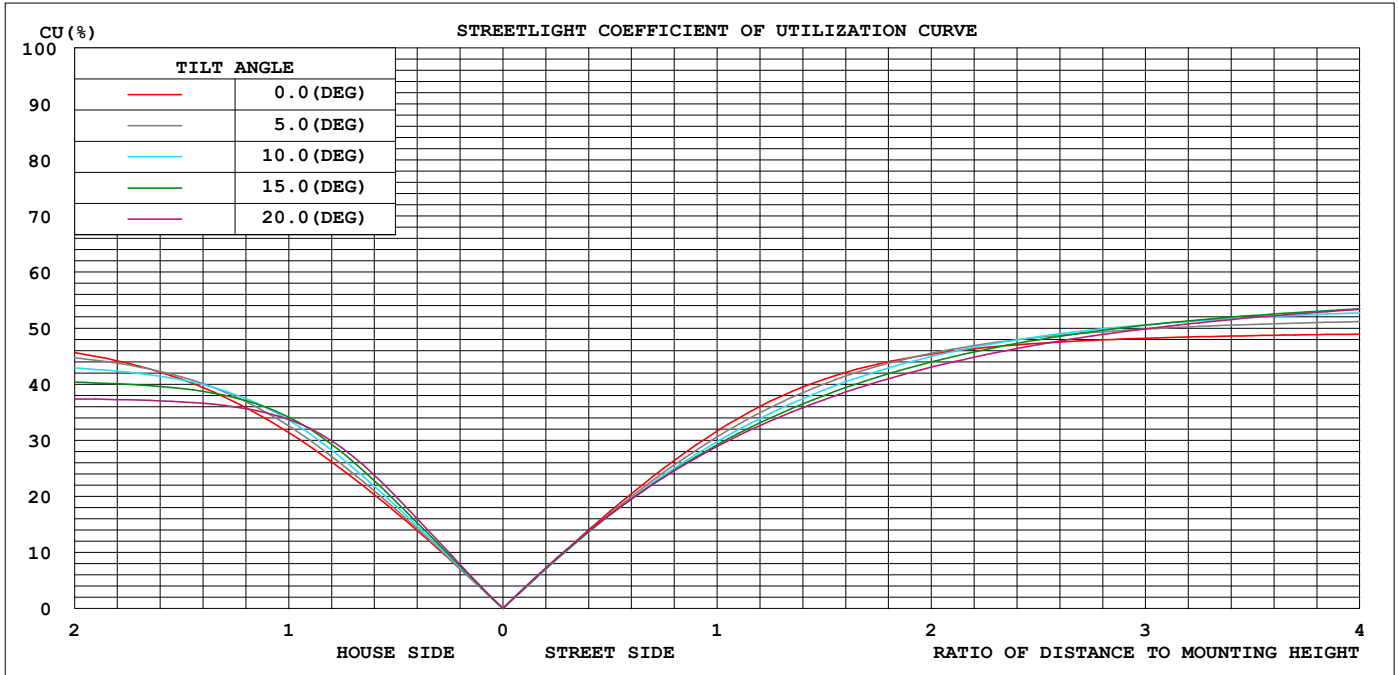
IES:Type VS - Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:40.76cd/klm
Max.At90:0.4549cd/klm
Max.80-90:40.76cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		17571
90%		15814
80%		14057
70%		12300
60%		10542
50%		8785
40%		7028
30%		5271
20%		3514
10%		1757
5%		879

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2024-01-15

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: 23.4 °C
Operators: DAMIN
Test Date: 2024-01-15

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:

ZONAL FLUX DIAGRAM

Test:U:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

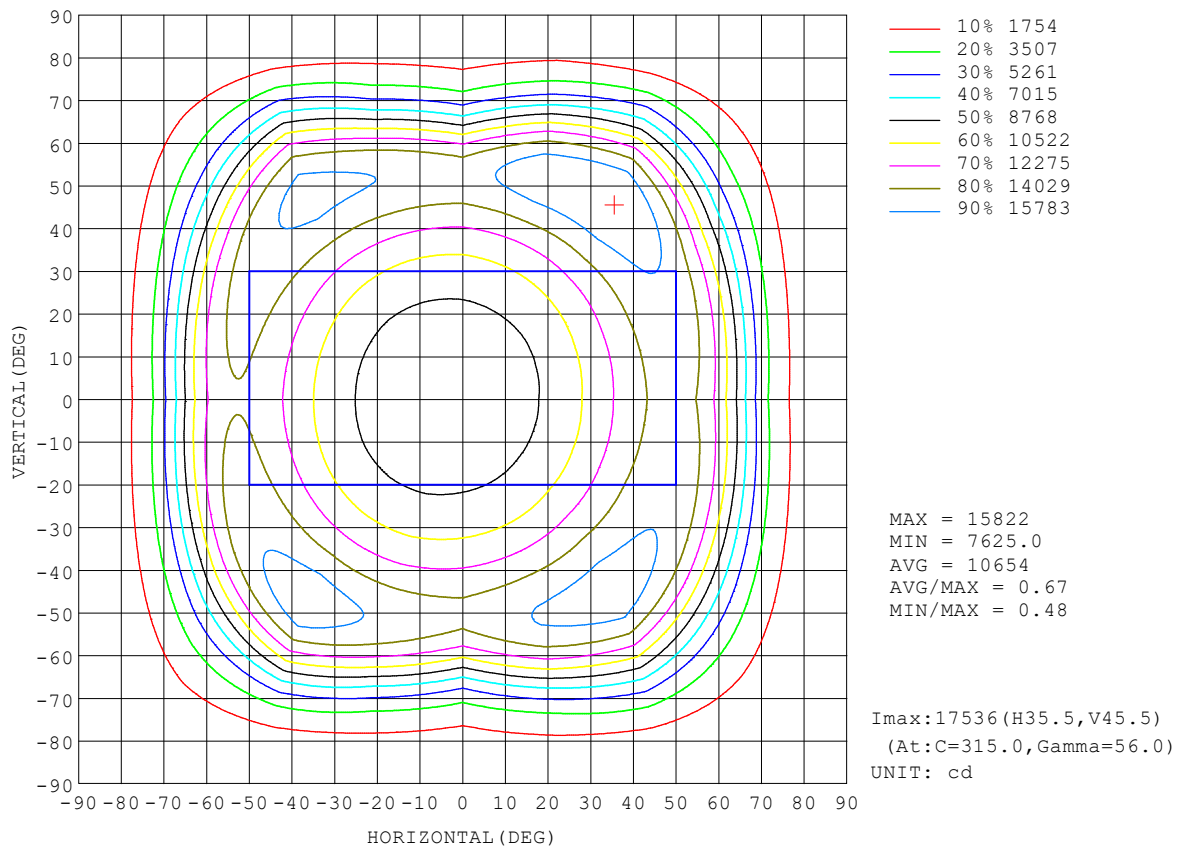
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	803.9	800.3	788.8	776.2	769.1	771.0	780.8	794.5	0- 10	740.5	740.5	1.37,1.37
20	904.4	890.8	857.6	828.8	819.4	821.2	842.2	874.8	10- 20	2321	3062	5.64,5.64
30	1097	1073	1001	954.6	950.0	948.6	973.7	1044	20- 30	4292	7353	13.6,13.6
40	1334	1341	1241	1192	1172	1189	1219	1321	30- 40	7078	14431	26.6,26.6
50	1462	1623	1446	1550	1372	1517	1494	1661	40- 50	10830	25262	46.6,46.6
60	1158	1590	1082	1665	1208	1625	1209	1681	50- 60	13632	38893	71.7,71.7
70	433.4	882.1	396.9	941.7	494.5	1013	460.2	917.3	60- 70	10549	49442	91.2,91.2
80	101.8	201.4	106.8	196.0	114.6	221.1	116.0	183.2	70- 80	4025	53467	98.6,98.6
90	1.413	2.468	1.594	2.222	0.4680	0.8548	0.4589	0.8262	80- 90	631.3	54098	99.7,99.7
100	1.998	2.899	2.961	3.098	0.2211	0.2755	0.2498	0.2428	90-100	14.23	54112	99.8,99.8
110	2.693	3.163	3.412	3.459	0.5386	0.5673	0.6930	0.5137	100-110	17.73	54130	99.8,99.8
120	2.981	3.039	3.733	3.601	1.543	1.855	1.988	1.435	110-120	21.72	54152	99.8,99.8
130	3.120	3.200	3.676	3.614	2.422	2.914	2.854	2.347	120-130	25.12	54177	99.9,99.9
140	3.069	3.110	3.378	3.303	2.659	2.802	2.800	2.337	130-140	22.82	54200	99.9,99.9
150	3.017	3.106	3.193	3.048	2.470	2.502	2.431	2.141	140-150	17.39	54217	100,100
160	3.233	3.222	3.061	3.047	2.805	2.660	2.610	2.303	150-160	12.55	54230	100,100
170	3.801	3.563	3.101	3.283	4.118	3.669	3.114	3.301	160-170	8.922	54239	100,100
180	3.887	3.495	2.955	3.302	3.982	3.557	2.995	3.350	170-180	3.373	54242	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2024-01-15

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

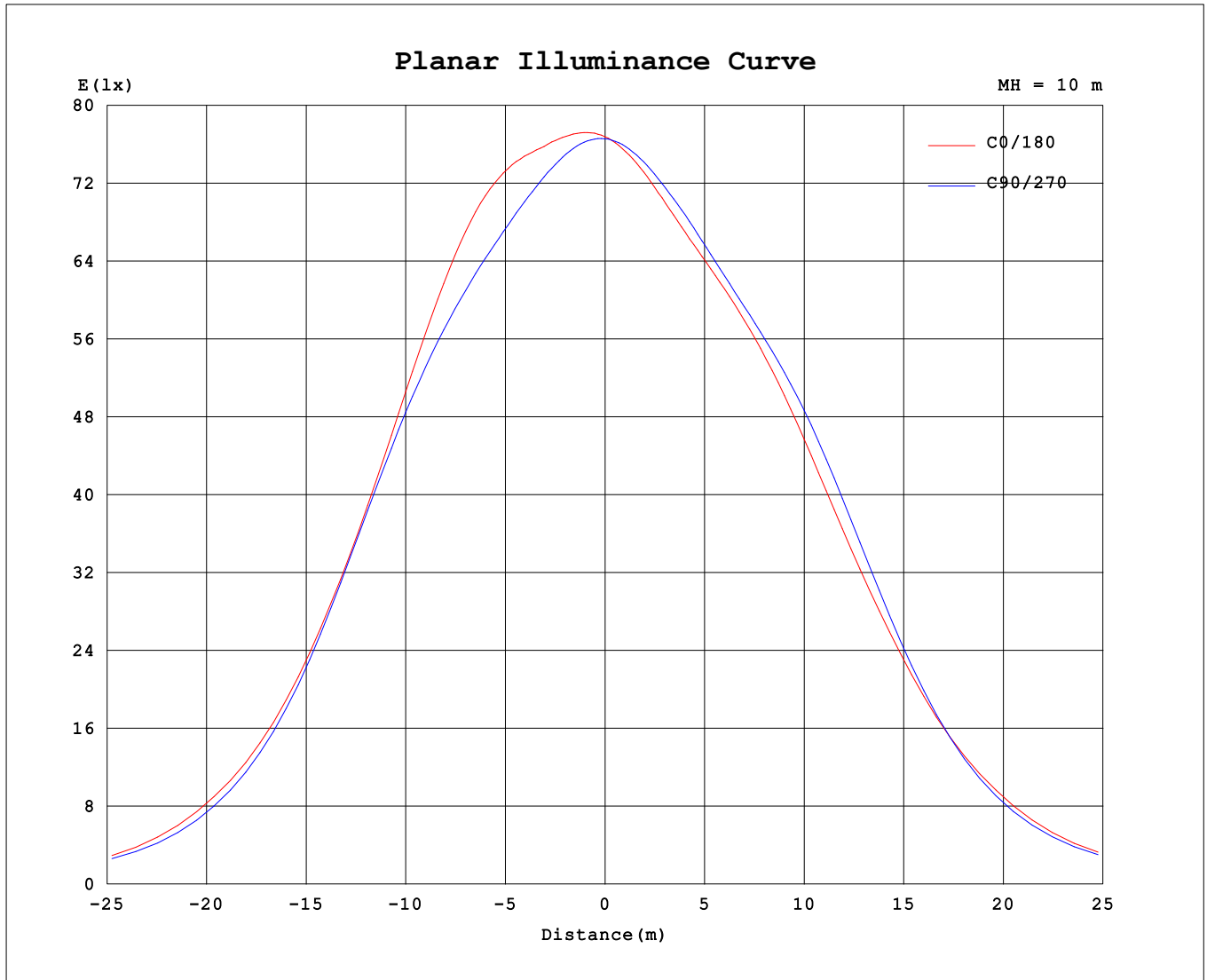
Test:U:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2024-01-15

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



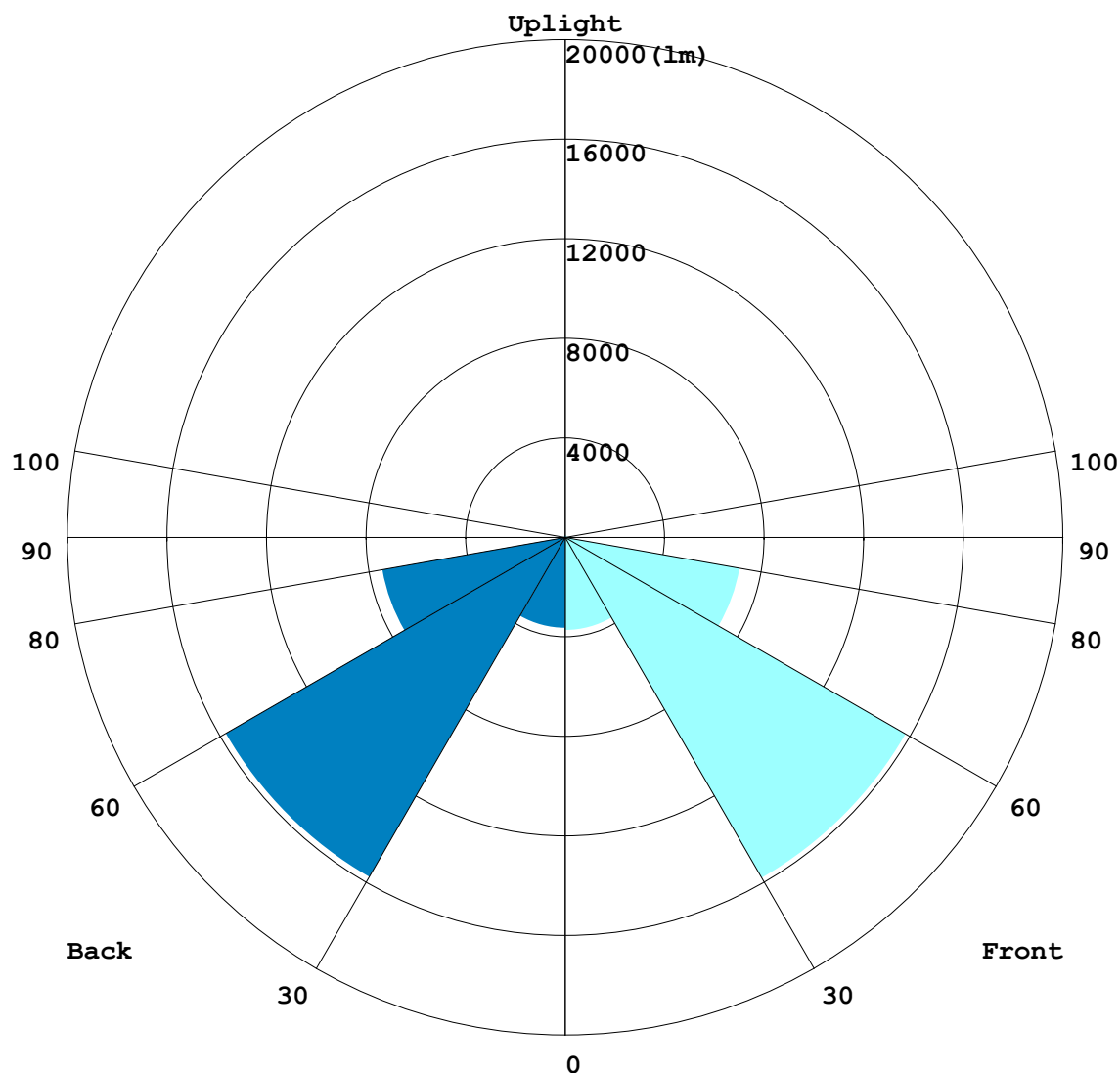
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.4℃
 Operators:DAMIN
 Test Date:2024-01-15

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:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 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: 23.4℃
Operators:DAMIN
Test Date:2024-01-15

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:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 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)	3719	6.9
FM - Front-Medium(30-60)	15793	29.1
FH - Front-High(60-80)	7117.2	13.1
FVH - Front-Very High(80-90)	324.47	0.6
Total Forward Light	27049	49.9

BL - Back-Low(0-30)	3634.4	6.7
BM - Back-Medium(30-60)	15747	29.0
BH - Back-High(60-80)	7456.4	13.7
BVH - Back-Very High(80-90)	306.81	0.6
Total Back Light	27193	50.1

UL - Uplight-Low(90-100)	14.229	0.0
UH - Uplight-High(100-180)	129.62	0.2
Total Up Light	143.85	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	27145	48.476	27193
Street Side	26953	95.377	27049

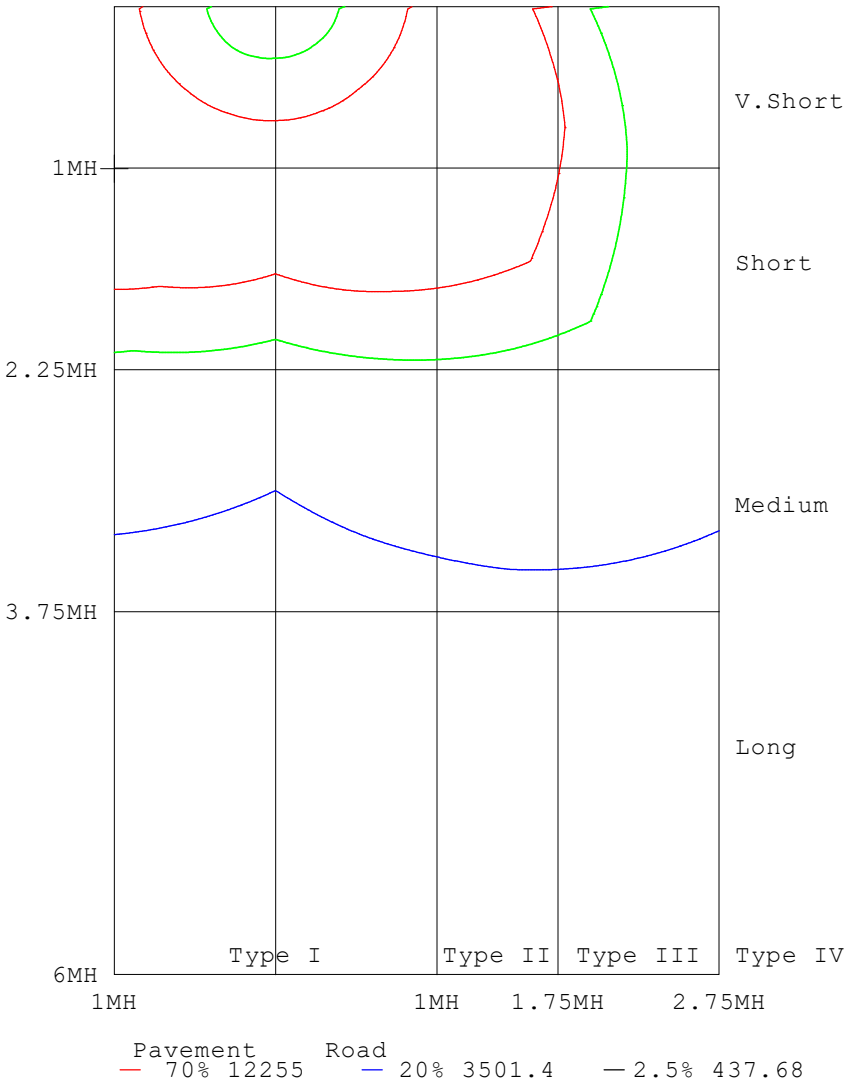
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2024-01-15

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:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 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: 23.4℃
Operators:DAMIN
Test Date:2024-01-15
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:117.60V I:3.8095A P:447.63W PF:0.9992 Freq:60.01Hz Lamp Flux:54242.1x1 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	766	766	766	766	766	766	766	766	766	766	766	766	766	766	766	766			
5	779	779	778	776	773	769	766	764	763	763	764	766	769	773	775	778			
10	804	803	800	795	789	782	776	771	769	770	771	776	781	789	794	801			
15	844	843	836	827	816	804	796	789	786	787	789	797	804	817	826	838			
20	904	902	891	874	858	840	829	822	819	820	821	832	842	860	875	895			
25	991	985	969	942	918	894	880	874	873	873	873	884	897	921	947	976			
30	1097	1092	1073	1035	1001	970	955	950	950	951	949	959	974	1007	1044	1081			
35	1217	1217	1199	1155	1110	1073	1058	1052	1052	1056	1054	1063	1079	1123	1169	1207			
40	1334	1346	1341	1295	1241	1205	1192	1181	1172	1185	1189	1204	1219	1274	1321	1339			
45	1428	1467	1490	1445	1372	1359	1361	1328	1290	1323	1351	1369	1377	1455	1493	1464			
50	1462	1545	1623	1565	1446	1499	1550	1463	1372	1439	1517	1520	1494	1624	1661	1545			
55	1390	1531	1682	1579	1362	1535	1688	1530	1371	1487	1637	1569	1465	1693	1756	1529			
60	1158	1366	1590	1403	1082	1365	1665	1450	1208	1397	1625	1423	1209	1555	1681	1350			
65	802	1037	1292	1050	705	1013	1386	1153	872	1109	1412	1065	806	1193	1385	1002			
70	433	658	882	639	397	610	942	743	494	720	1013	647	460	740	917	611			
75	214	357	483	337	213	317	491	404	246	397	569	339	239	389	489	319			
80	102	168	201	163	107	150	196	192	115	188	221	160	116	181	183	145			
85	31.5	54.4	54.9	60.8	39.9	53.3	51.0	54.6	27.9	44.4	56.6	44.7	36.6	51.6	51.4	43.7			
90	1.41	2.03	2.47	2.23	1.59	1.95	2.22	1.68	0.47	0.66	0.85	0.64	0.46	0.70	0.83	0.68			
95	1.53	1.98	2.65	2.51	2.10	2.69	2.85	1.91	0.23	0.30	0.34	0.28	0.24	0.29	0.30	0.25			
100	2.00	2.36	2.90	3.29	2.96	3.50	3.10	2.31	0.22	0.25	0.28	0.24	0.25	0.25	0.24	0.21			
105	2.41	2.68	3.05	3.19	3.16	3.47	3.29	2.65	0.33	0.37	0.35	0.33	0.40	0.37	0.33	0.29			
110	2.69	2.87	3.16	3.34	3.41	3.56	3.46	2.85	0.54	0.59	0.57	0.61	0.69	0.65	0.51	0.46			
115	2.91	3.01	3.17	3.62	3.69	3.70	3.61	2.96	0.93	1.04	1.04	1.19	1.26	1.23	0.85	0.81			
120	2.98	3.03	3.04	3.74	3.73	3.69	3.60	2.91	1.54	1.71	1.85	1.95	1.99	2.02	1.43	1.38			
125	3.06	3.06	3.13	3.77	3.73	3.77	3.62	2.90	2.02	2.24	2.53	2.55	2.53	2.43	2.04	1.84			
130	3.12	3.01	3.20	3.73	3.68	3.73	3.61	2.93	2.42	2.67	2.91	2.87	2.85	2.63	2.35	2.09			
135	3.08	2.77	3.15	3.52	3.50	3.60	3.48	2.75	2.64	2.87	2.93	2.91	2.94	2.66	2.41	2.04			
140	3.07	2.68	3.11	3.40	3.38	3.43	3.30	2.75	2.66	2.83	2.80	2.79	2.80	2.55	2.34	1.91			
145	3.00	2.76	3.10	3.32	3.29	3.31	3.18	2.75	2.54	2.64	2.62	2.66	2.54	2.38	2.23	1.77			
150	3.02	2.94	3.11	3.26	3.19	3.20	3.05	2.73	2.47	2.52	2.50	2.55	2.43	2.25	2.14	1.74			
155	3.08	3.16	3.12	3.23	3.12	3.15	3.01	2.76	2.46	2.49	2.49	2.54	2.42	2.20	2.10	1.72			
160	3.23	3.35	3.22	3.25	3.06	3.10	3.05	2.86	2.81	2.66	2.66	2.71	2.61	2.29	2.30	2.02			
165	3.46	3.54	3.36	3.29	3.04	3.06	3.13	3.02	3.59	3.47	3.43	3.38	3.08	2.88	2.97	2.75			
170	3.80	3.82	3.56	3.39	3.10	3.12	3.28	3.32	4.12	4.02	3.67	3.44	3.11	3.07	3.30	3.24			
175	3.91	4.03	3.68	3.46	3.19	3.22	3.44	3.52	4.13	4.16	3.72	3.47	3.20	3.22	3.51	3.51			
180	3.89	3.92	3.49	3.21	2.96	2.98	3.30	3.52	3.98	3.99	3.56	3.26	3.00	3.02	3.35	3.58			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2024-01-15

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: