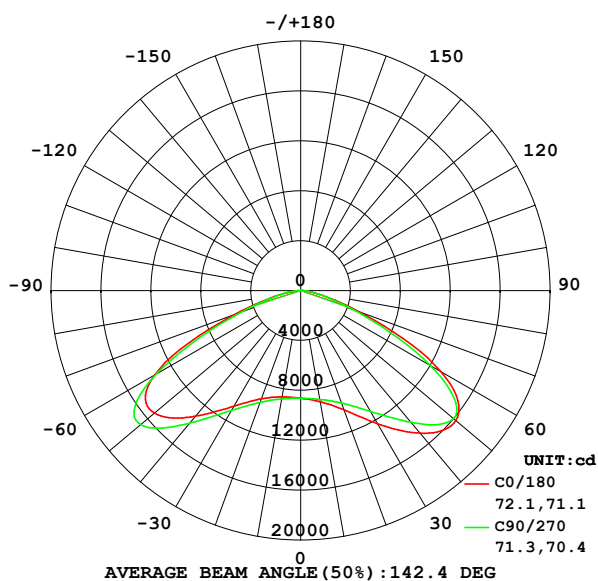
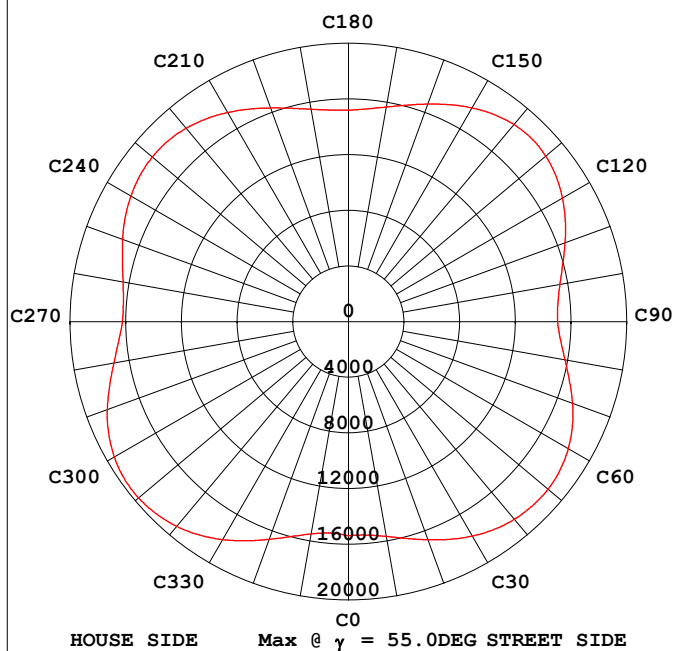


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.59 lm/W			
MODEL		I _{max} (cd)	19525	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	49.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	60695	η house_up (%)	0.1
NOMINAL FLUX (lm)	60694.8	MAXIMUM @ (C, γ)	315,55.0	η house_down (%)	50.2
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	23.665

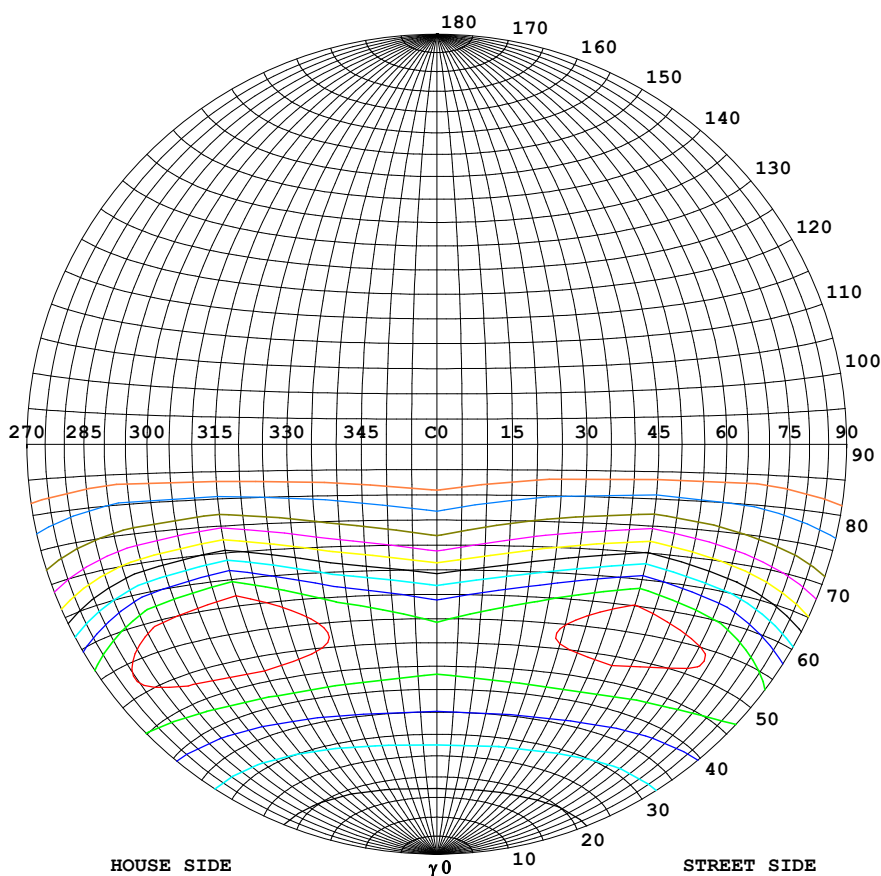
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
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:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



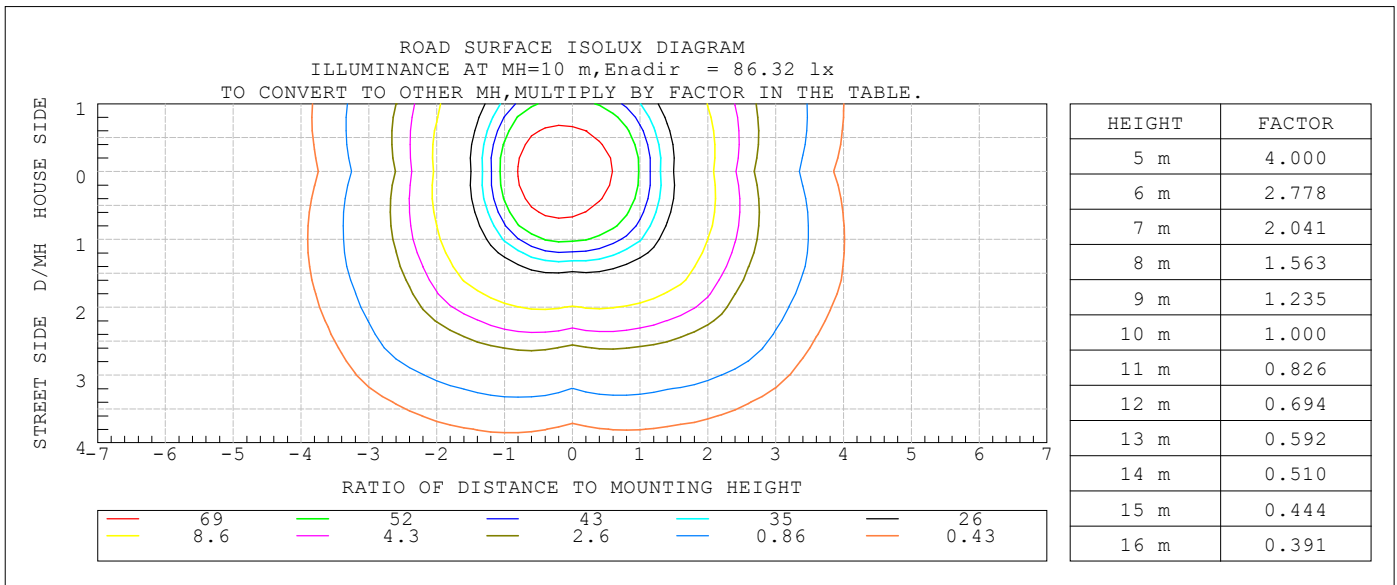
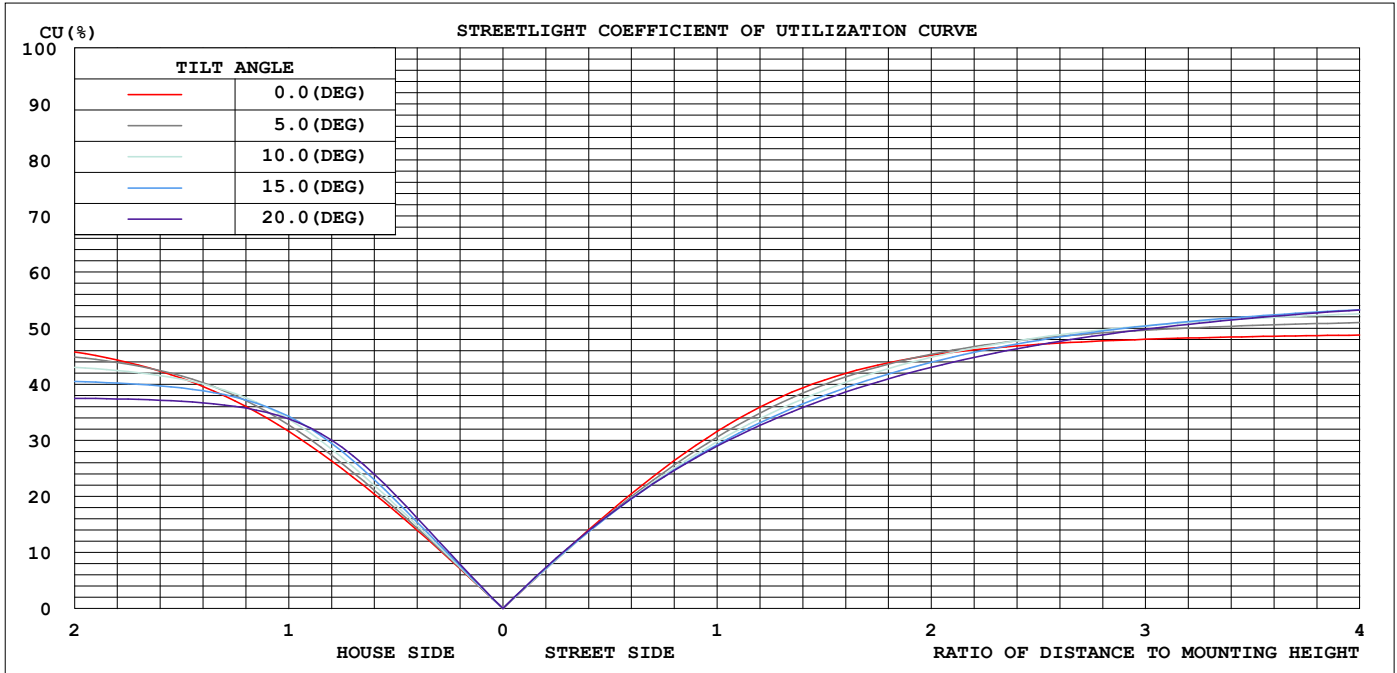
Classification:

IES:Type VS - Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:41.74cd/klm
Max.At90:0.4630cd/klm
Max.80-90:41.74cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		19525
90%		17573
80%		15620
70%		13668
60%		11715
50%		9763
40%		7810
30%		5858
20%		3905
10%		1953
5%		976

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
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: 23.5°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:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

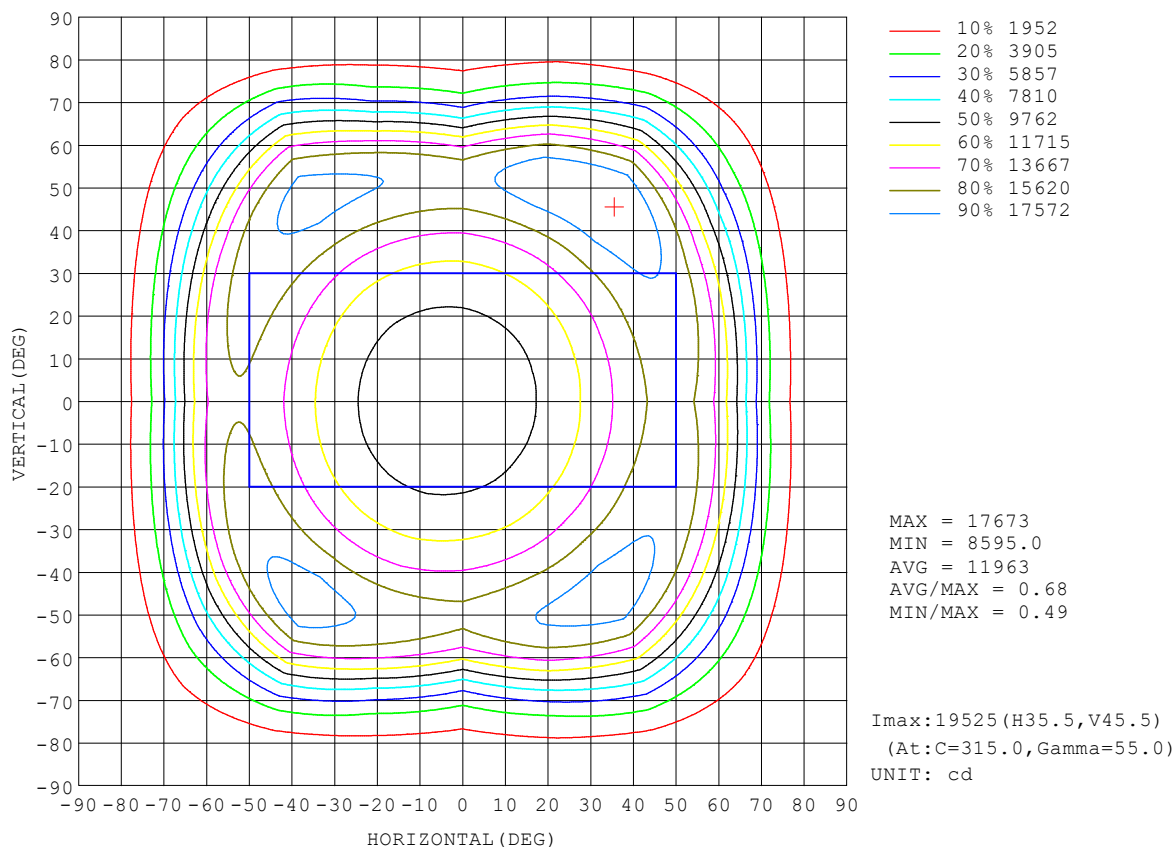
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	905.6	900.1	886.1	873.3	866.5	871.0	882.3	896.6	0- 10	834.3	834.3	1.37,1.37
20	1018	998.3	959.7	931.1	923.3	929.7	954.3	989.5	10- 20	2615	3449	5.68,5.68
30	1232	1195	1118	1071	1070	1074	1109	1183	20- 30	4831	8280	13.6,13.6
40	1492	1490	1379	1332	1315	1343	1387	1493	30- 40	7954	16234	26.7,26.7
50	1623	1804	1599	1717	1529	1707	1673	1859	40- 50	12111	28345	46.7,46.7
60	1296	1763	1198	1832	1348	1813	1332	1857	50- 60	15132	43477	71.6,71.6
70	499.2	981.6	450.5	1049	571.6	1125	510.5	1028	60- 70	11746	55224	91,91
80	114.4	221.2	121.1	224.8	128.3	253.3	131.5	212.7	70- 80	4591	59815	98.6,98.6
90	1.579	2.810	1.769	2.491	0.5521	0.9883	0.5123	0.9528	80- 90	718.4	60533	99.7,99.7
100	2.235	3.257	3.382	3.505	0.2519	0.3104	0.2806	0.2761	90-100	16.12	60549	99.8,99.8
110	3.015	3.562	3.834	3.878	0.6131	0.6397	0.7777	0.5820	100-110	19.95	60569	99.8,99.8
120	3.330	3.422	4.198	4.040	1.721	2.073	2.209	1.601	110-120	24.37	60594	99.8,99.8
130	3.497	3.606	4.145	4.063	2.702	3.238	3.172	2.607	120-130	28.12	60622	99.9,99.9
140	3.445	3.507	3.821	3.723	2.980	3.126	3.114	2.609	130-140	25.57	60647	99.9,99.9
150	3.382	3.497	3.609	3.442	2.769	2.793	2.711	2.397	140-150	19.53	60667	100,100
160	3.634	3.629	3.455	3.440	3.144	2.978	2.921	2.580	150-160	14.10	60681	100,100
170	4.271	4.010	3.492	3.699	4.616	4.102	3.486	3.703	160-170	10.02	60691	100,100
180	4.365	3.920	3.317	3.711	4.466	3.988	3.359	3.763	170-180	3.786	60695	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
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

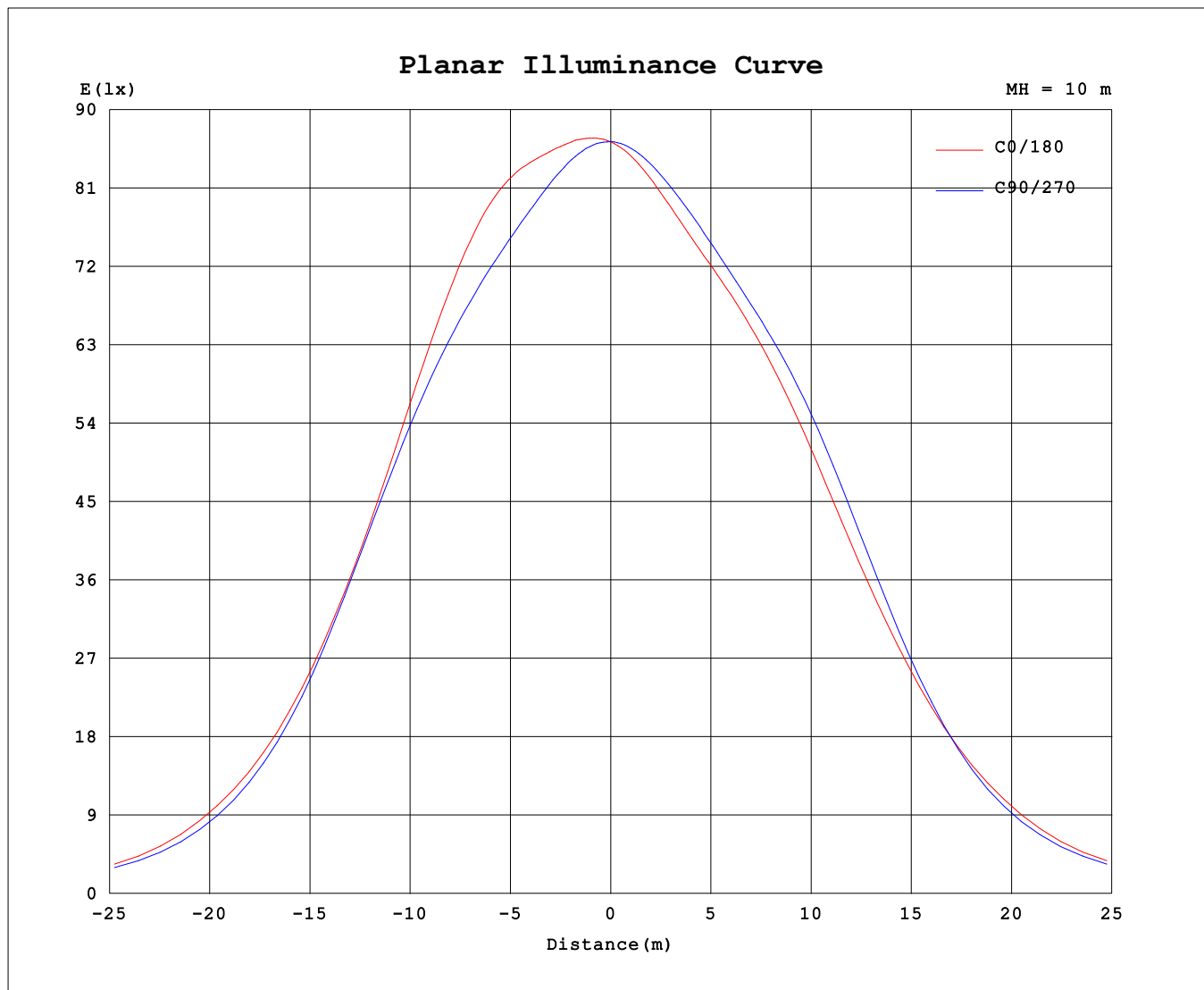
Test:U:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5°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:

Planar Illuminance Curve



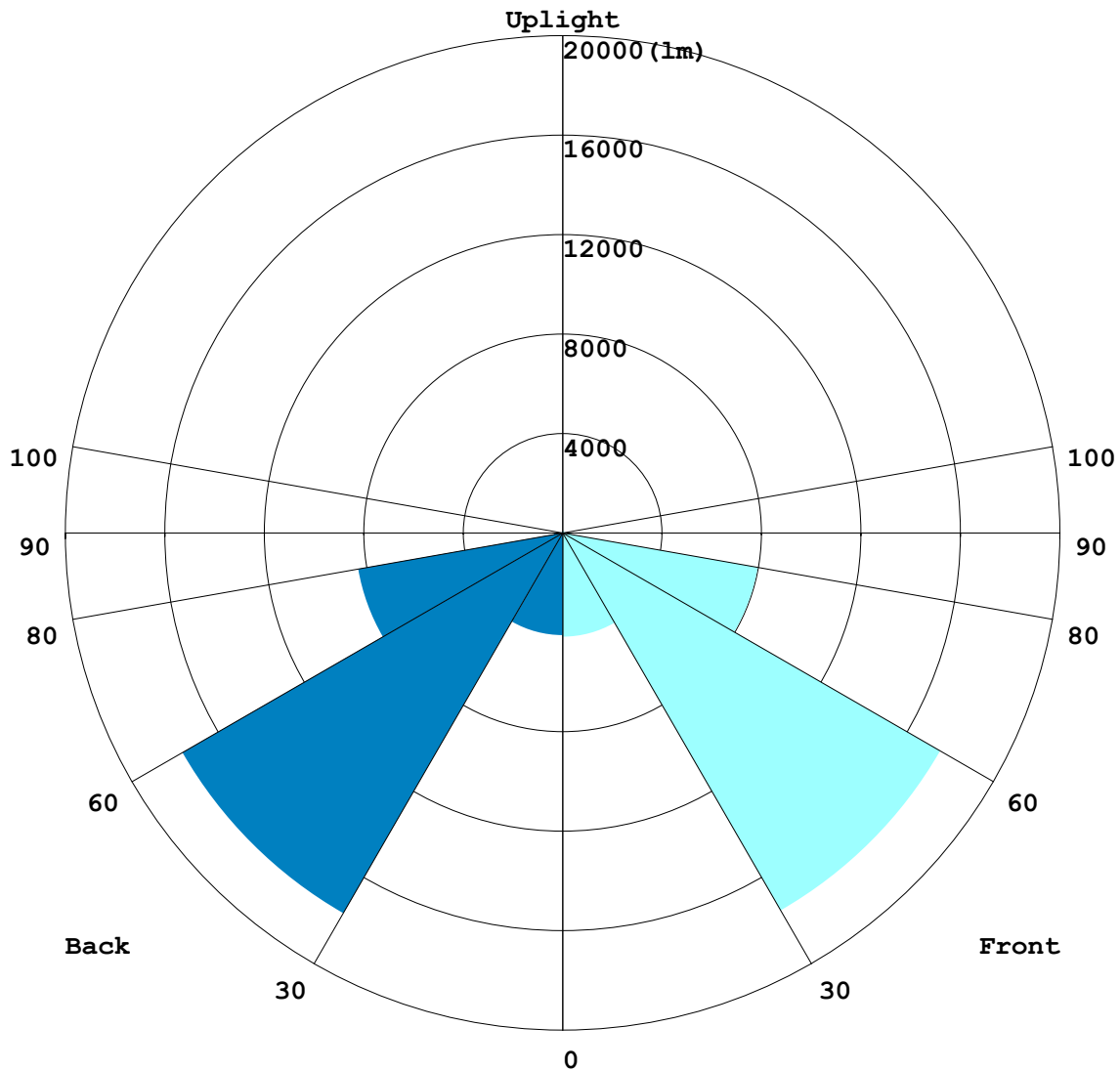
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.5℃
 Operators:DAMIN
 Test Date:2024-01-15

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:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 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: 23.5℃
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:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 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)	4171.1	6.9
FM - Front-Medium(30-60)	17538	28.9
FH - Front-High(60-80)	7979.8	13.1
FVH - Front-Very High(80-90)	368.29	0.6
Total Forward Light	30164	49.7

BL - Back-Low(0-30)	4109.1	6.8
BM - Back-Medium(30-60)	17660	29.1
BH - Back-High(60-80)	8357.6	13.8
BVH - Back-Very High(80-90)	350.13	0.6
Total Back Light	30531	50.3

UL - Uplight-Low(90-100)	16.122	0.0
UH - Uplight-High(100-180)	145.45	0.2
Total Up Light	161.57	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	30476	54.19	30531
Street Side	30057	107.38	30164

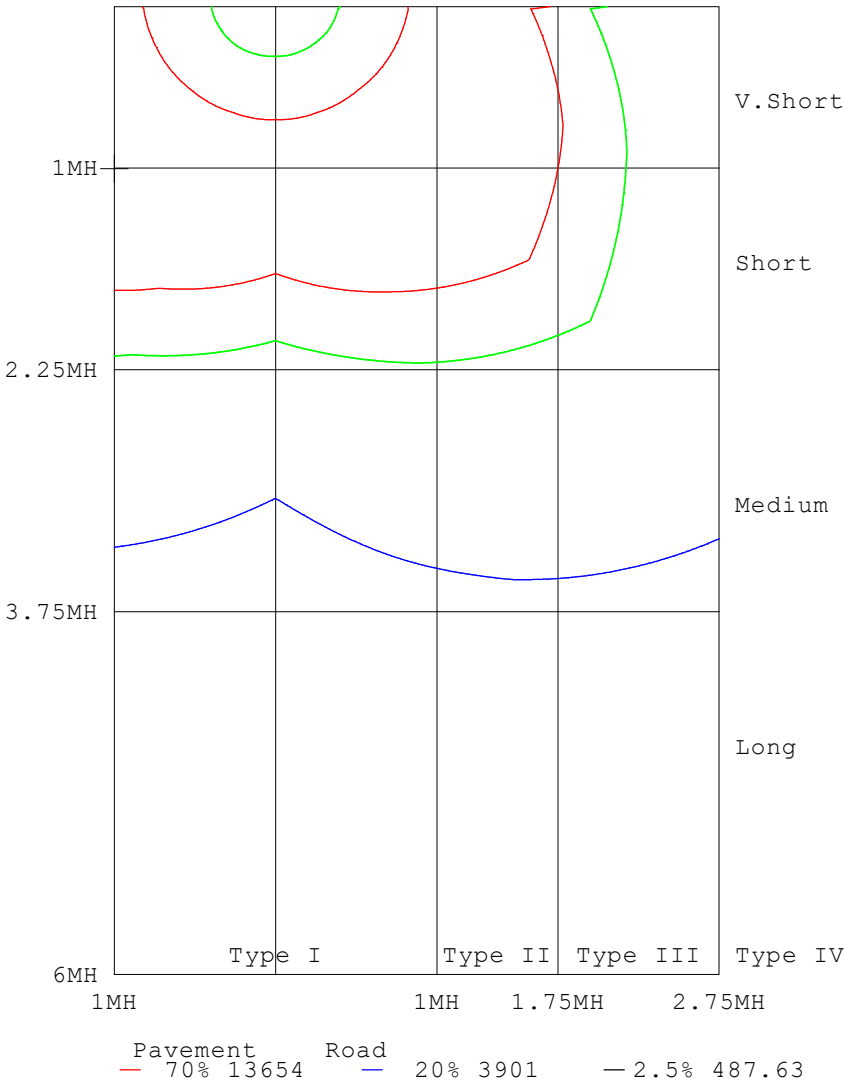
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2024-01-15

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:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 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: 23.5℃
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:117.68V I:3.6202A P:425.65W PF:0.9991 Freq:60.01Hz Lamp Flux:60694.8x1 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	863	863	863	863	863	863	863	863	863	863	863	863	863	863	863	863			
5	877	877	876	873	869	866	863	860	860	860	862	865	867	871	874	877			
10	906	904	900	893	886	878	873	869	867	868	871	877	882	890	897	903			
15	950	947	939	927	915	903	895	889	886	888	892	901	910	923	933	945			
20	1018	1011	998	977	960	942	931	925	923	925	930	942	954	973	990	1009			
25	1114	1103	1083	1052	1026	1001	988	983	984	986	988	1003	1019	1045	1072	1100			
30	1232	1222	1195	1153	1118	1084	1071	1068	1070	1074	1074	1090	1109	1144	1183	1219			
35	1364	1359	1333	1284	1237	1198	1185	1181	1183	1191	1192	1209	1231	1276	1324	1357			
40	1492	1502	1490	1439	1379	1342	1332	1322	1315	1333	1343	1367	1387	1447	1493	1503			
45	1591	1633	1656	1603	1520	1509	1515	1481	1444	1485	1523	1548	1557	1642	1680	1639			
50	1623	1717	1804	1733	1599	1656	1717	1626	1529	1611	1707	1706	1673	1817	1859	1723			
55	1539	1696	1869	1747	1502	1689	1862	1692	1520	1660	1836	1751	1624	1876	1953	1700			
60	1296	1518	1763	1547	1198	1500	1832	1603	1348	1559	1813	1577	1332	1713	1857	1505			
65	904	1166	1430	1163	789	1121	1524	1291	984	1253	1567	1179	892	1311	1527	1133			
70	499	754	982	716	451	681	1049	856	572	832	1125	720	511	819	1028	707			
75	250	414	549	381	240	358	571	482	289	468	645	380	269	435	560	373			
80	114	188	221	185	121	171	225	216	128	213	253	182	132	206	213	169			
85	34.9	61.9	62.7	67.4	44.4	61.8	60.4	62.6	32.0	52.0	63.0	51.6	41.4	59.5	58.0	49.6			
90	1.58	2.21	2.81	2.48	1.77	2.17	2.49	1.94	0.55	0.77	0.99	0.74	0.51	0.81	0.95	0.76			
95	1.73	2.23	2.98	2.88	2.38	3.04	3.25	2.15	0.26	0.34	0.39	0.31	0.27	0.33	0.35	0.29			
100	2.24	2.63	3.26	3.81	3.38	3.96	3.51	2.57	0.25	0.29	0.31	0.27	0.28	0.28	0.28	0.25			
105	2.69	3.00	3.42	3.62	3.57	3.90	3.68	2.96	0.38	0.42	0.40	0.38	0.45	0.42	0.38	0.33			
110	3.02	3.22	3.56	3.76	3.83	3.99	3.88	3.19	0.61	0.67	0.64	0.68	0.78	0.73	0.58	0.52			
115	3.25	3.39	3.57	4.07	4.14	4.15	4.05	3.32	1.04	1.16	1.18	1.33	1.41	1.36	0.95	0.91			
120	3.33	3.40	3.42	4.20	4.20	4.14	4.04	3.27	1.72	1.91	2.07	2.17	2.21	2.24	1.60	1.55			
125	3.43	3.43	3.53	4.25	4.20	4.24	4.07	3.26	2.26	2.51	2.81	2.84	2.81	2.69	2.26	2.06			
130	3.50	3.38	3.61	4.21	4.14	4.20	4.06	3.28	2.70	2.97	3.24	3.20	3.17	2.92	2.61	2.33			
135	3.44	3.12	3.55	3.98	3.95	4.06	3.92	3.12	2.95	3.20	3.27	3.24	3.27	2.95	2.68	2.28			
140	3.45	3.02	3.51	3.84	3.82	3.87	3.72	3.09	2.98	3.16	3.13	3.11	3.11	2.84	2.61	2.14			
145	3.37	3.11	3.50	3.75	3.72	3.75	3.59	3.09	2.85	2.95	2.92	2.97	2.83	2.65	2.49	1.99			
150	3.38	3.31	3.50	3.69	3.61	3.62	3.44	3.07	2.77	2.81	2.79	2.85	2.71	2.51	2.40	1.96			
155	3.47	3.55	3.52	3.64	3.53	3.56	3.40	3.11	2.75	2.78	2.78	2.84	2.69	2.46	2.35	1.94			
160	3.63	3.76	3.63	3.66	3.46	3.50	3.44	3.21	3.14	2.97	2.98	3.03	2.92	2.57	2.58	2.27			
165	3.88	3.98	3.79	3.70	3.43	3.45	3.53	3.39	4.02	3.88	3.84	3.77	3.44	3.22	3.33	3.08			
170	4.27	4.29	4.01	3.81	3.49	3.52	3.70	3.74	4.62	4.49	4.10	3.85	3.49	3.44	3.70	3.64			
175	4.39	4.52	4.13	3.88	3.59	3.62	3.87	3.95	4.63	4.65	4.16	3.89	3.58	3.61	3.94	3.95			
180	4.36	4.39	3.92	3.60	3.32	3.35	3.71	3.95	4.47	4.48	3.99	3.65	3.36	3.40	3.76	4.03			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
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: