

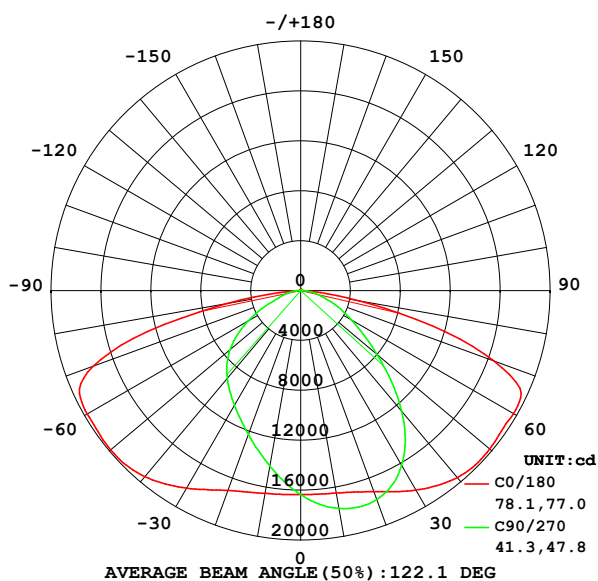
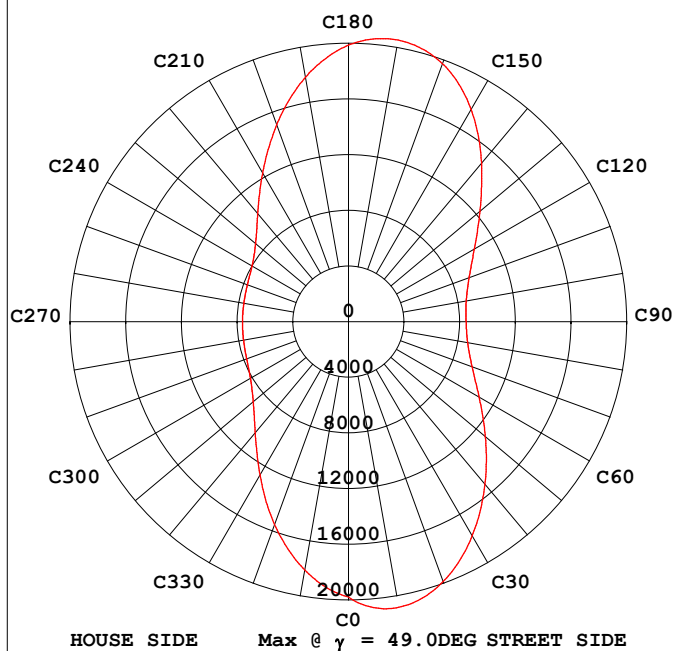
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz

Lamp Flux:57757x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 127.10 lm/W
MODEL		I _{max} (cd)	19872	η street_up (%)	0.2	
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	55.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	57757	η house_up (%)	0.1	
NOMINAL FLUX (lm)	57757	MAXIMUM @ (C, γ)	180,49.0	η house_down (%)	44.1	
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.871	

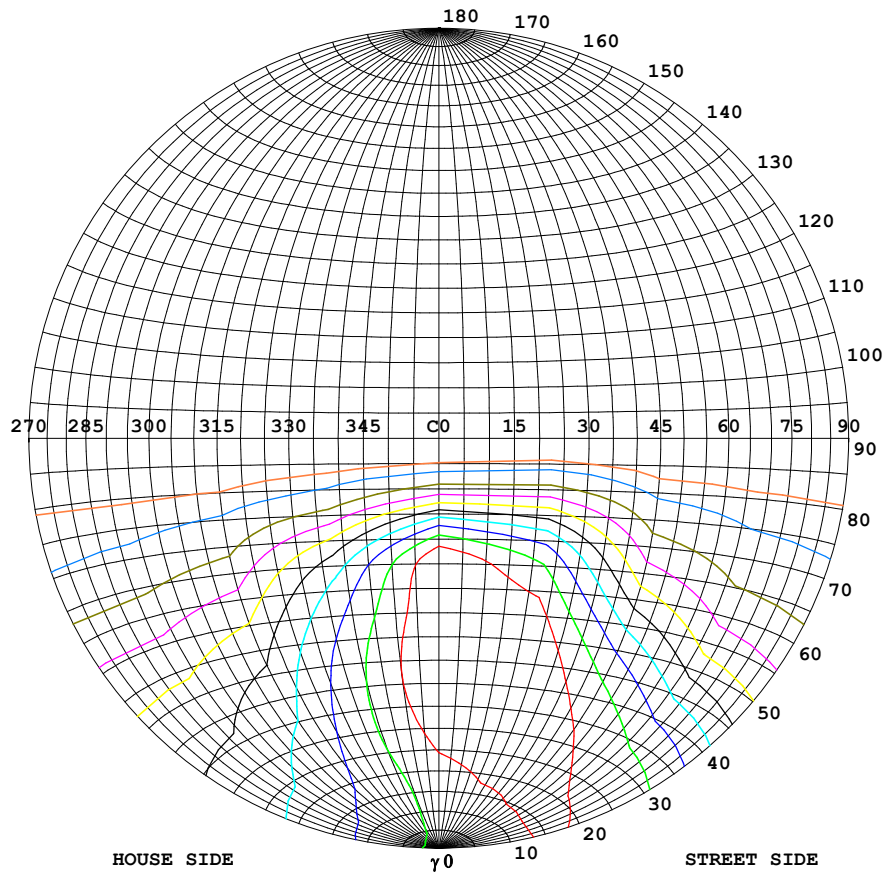
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.0℃
Operators:DAMIN
Test Date:2024-03-19

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:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



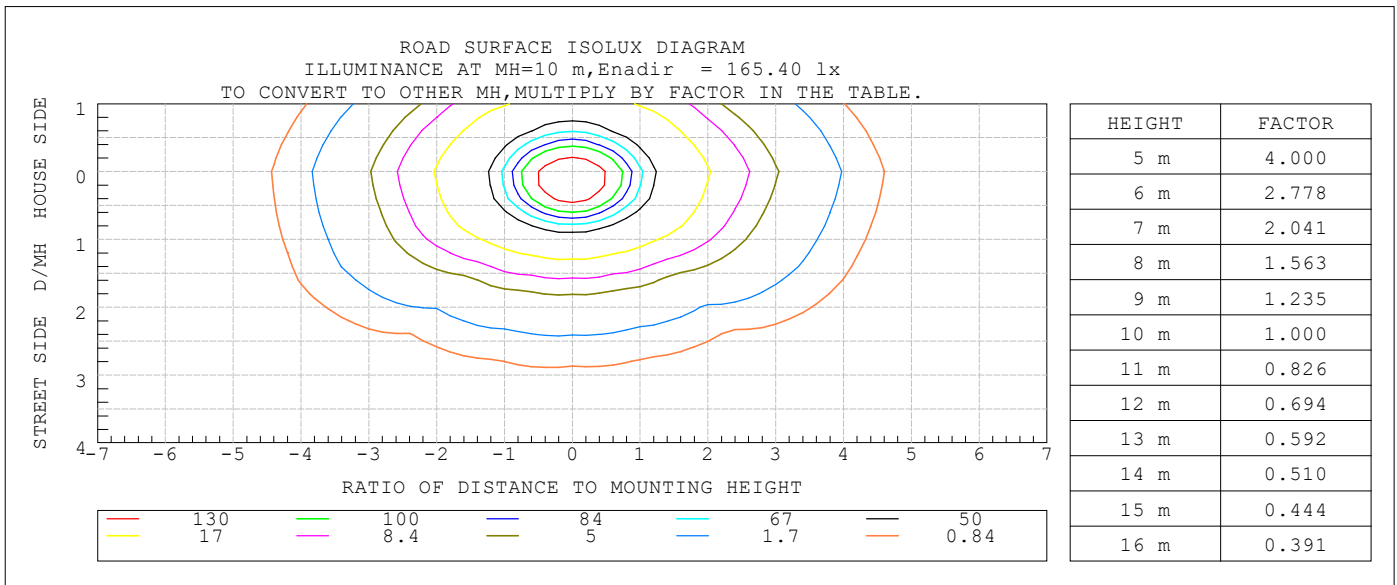
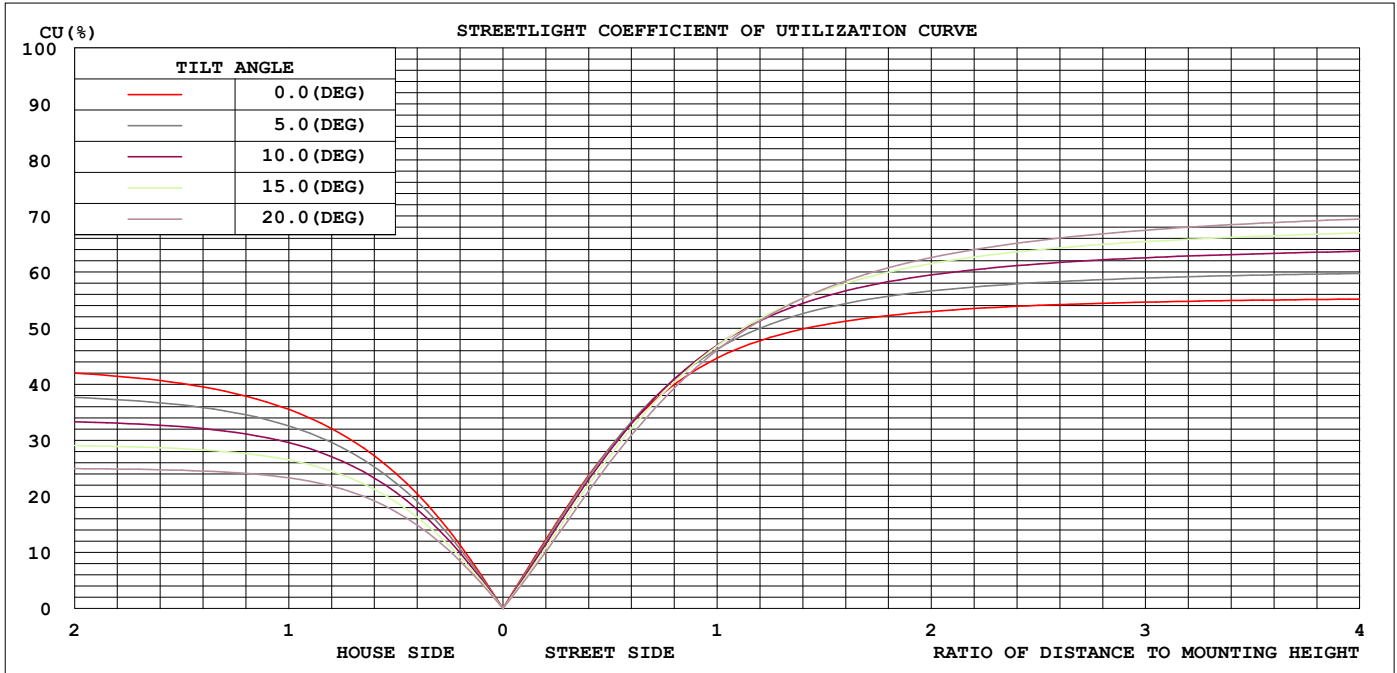
Classification:

IES:Type II - Short
CIE:Narrow - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:103.3cd/klm
Max.At90:0.5436cd/klm
Max.80-90:103.3cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		19872
90%		17885
80%		15897
70%		13910
60%		11923
50%		9936
40%		7949
30%		5962
20%		3974
10%		1987
5%		994

C Range: 0 - 360DEG
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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: 27.0 °C
Operators: DAMIN
Test Date: 2024-03-19

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:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

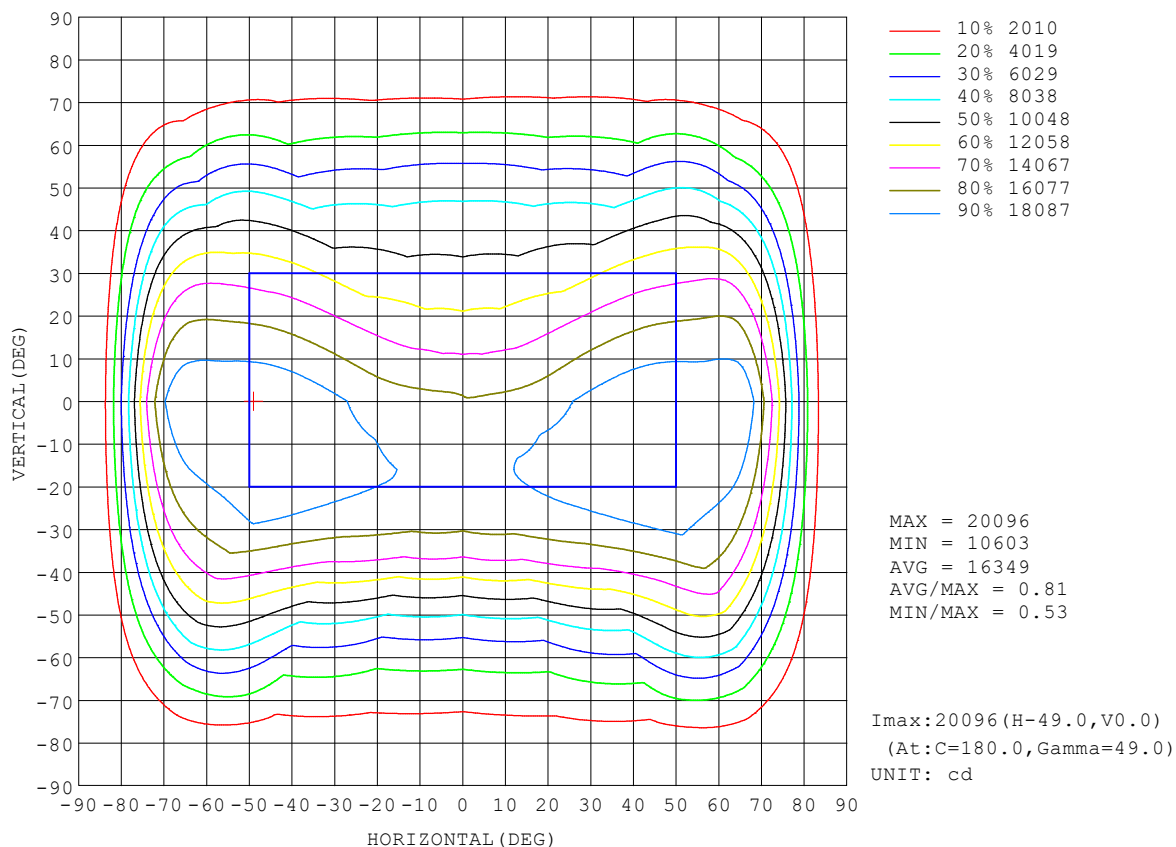
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1648	1745	1773	1754	1650	1498	1430	1503	0- 10	1557	1557	2.7,2.7
20	1715	1807	1782	1816	1705	1367	1227	1386	10- 20	4572	6129	10.6,10.6
30	1846	1805	1619	1803	1829	1241	1062	1272	20- 30	7333	13462	23.3,23.3
40	1955	1674	1259	1648	1946	1094	917.5	1126	30- 40	9505	22967	39.8,39.8
50	1977	1363	803.1	1310	1987	912.5	741.0	936.0	40- 50	10546	33513	58,58
60	1971	909.3	468.7	845.5	1976	647.5	483.4	661.0	50- 60	10132	43645	75.6,75.6
70	1648	485.5	249.9	438.7	1770	339.6	213.8	349.7	60- 70	8411	52056	90.1,90.1
80	474.7	167.0	105.7	148.2	596.5	103.7	91.14	102.9	70- 80	4699	56755	98.3,98.3
90	3.140	1.069	0.6922	0.9801	1.008	0.3560	0.2412	0.4074	80- 90	838.7	57593	99.7,99.7
100	3.544	1.356	0.9784	1.364	0.5164	0.2239	0.2101	0.2016	90-100	9.840	57603	99.7,99.7
110	4.161	2.152	1.582	2.047	1.016	0.3990	0.4140	0.5150	100-110	13.22	57616	99.8,99.8
120	4.451	2.606	2.157	2.637	2.625	1.393	1.084	1.249	110-120	18.41	57635	99.8,99.8
130	4.740	3.553	2.644	3.284	3.637	2.496	1.962	2.672	120-130	24.23	57659	99.8,99.8
140	5.385	4.487	3.423	3.854	4.218	3.379	2.922	3.666	130-140	26.85	57686	99.9,99.9
150	5.729	5.281	4.222	4.263	4.203	3.777	3.870	3.915	140-150	25.71	57712	99.9,99.9
160	6.648	6.220	5.043	4.927	5.404	4.903	4.878	4.423	150-160	21.67	57733	100,100
170	7.996	7.354	6.105	5.970	8.129	7.342	6.199	6.234	160-170	17.13	57750	100,100
180	7.840	7.103	5.889	6.172	8.011	7.243	5.968	6.282	170-180	6.664	57757	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.0℃
Operators:DAMIN
Test Date:2024-03-19

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

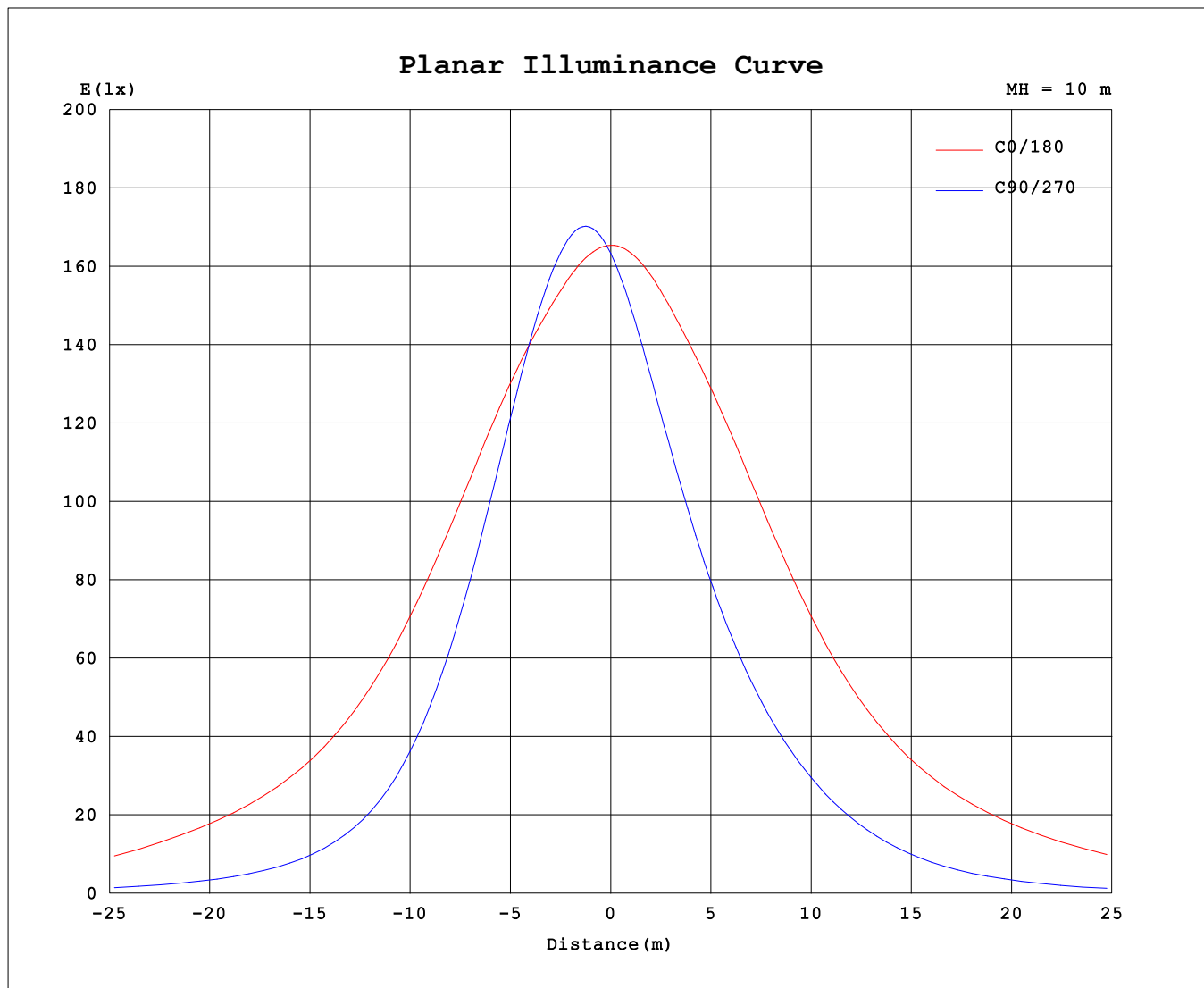
Test:U:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.0°C
Operators:DAMIN
Test Date:2024-03-19

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



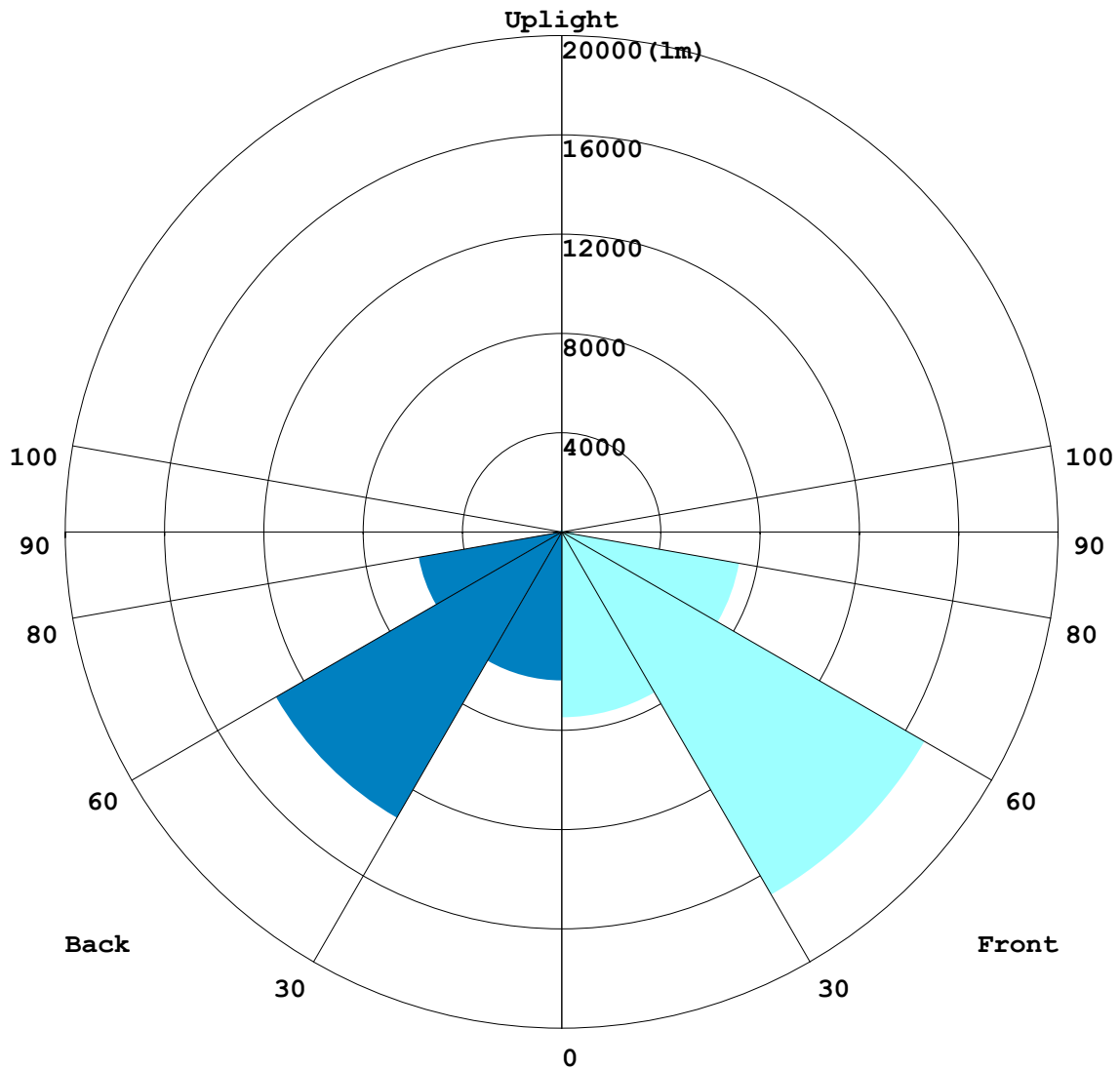
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.0 °C
 Operators: DAMIN
 Test Date: 2024-03-19

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:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 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: 27.0 °C
Operators:DAMIN
Test Date:2024-03-19

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:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 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)	7470.7	12.9
FM - Front-Medium(30-60)	16884	29.2
FH - Front-High(60-80)	7259.4	12.6
FVH - Front-Very High(80-90)	502.61	0.9
Total Forward Light	32217	55.8

BL - Back-Low(0-30)	5991	10.4
BM - Back-Medium(30-60)	13300	23.0
BH - Back-High(60-80)	5850.2	10.1
BVH - Back-Very High(80-90)	336.06	0.6
Total Back Light	25540	44.2

UL - Uplight-Low(90-100)	9.8401	0.0
UH - Uplight-High(100-180)	153.89	0.3
Total Up Light	163.73	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	25477	63.122	25540
Street Side	32116	100.61	32217

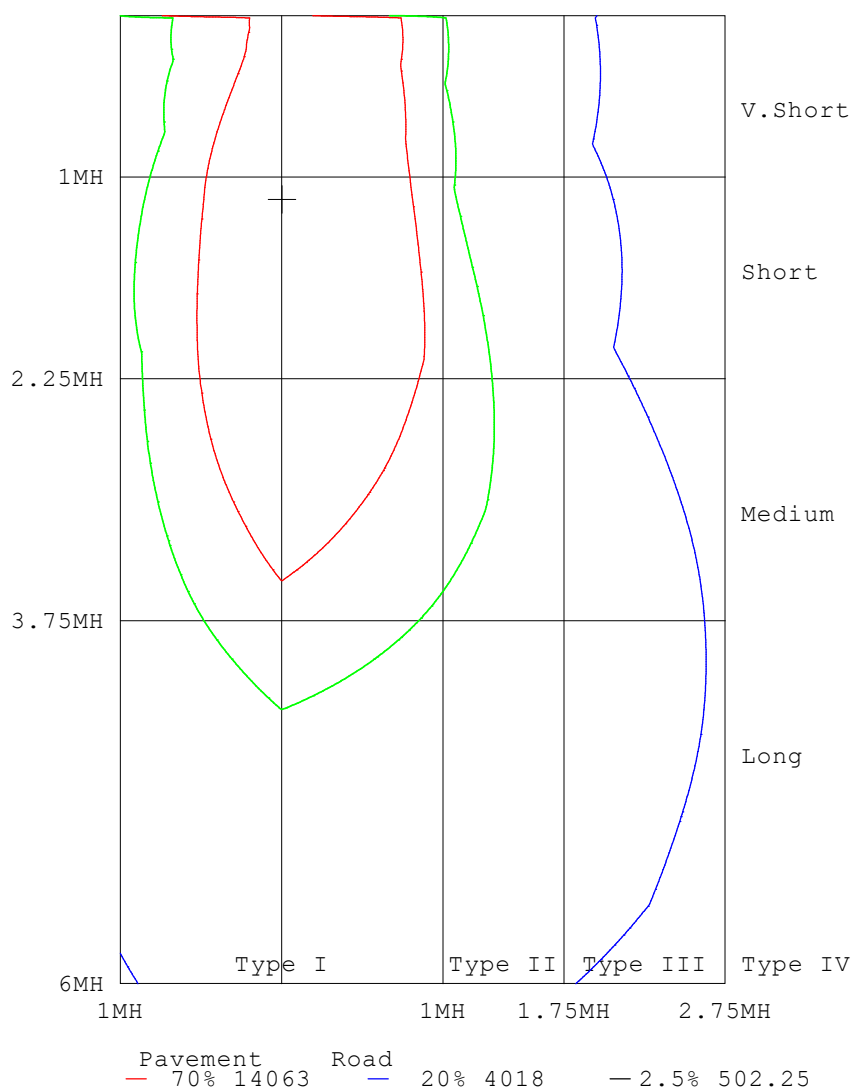
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.0℃
Operators:DAMIN
Test Date:2024-03-19

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:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 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: 27.0 °C
 Operators:DAMIN
 Test Date:2024-03-19

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:117.96V I:3.8560A P:454.43W PF:0.9991 Freq:60.01Hz Lamp Flux:57757x1 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	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636	1636			
5	1638	1671	1696	1712	1718	1715	1700	1674	1640	1603	1568	1544	1537	1545	1569	1602			
10	1648	1708	1745	1767	1773	1773	1754	1715	1650	1573	1498	1446	1430	1450	1503	1576			
15	1672	1749	1783	1795	1795	1803	1792	1757	1670	1549	1431	1350	1324	1357	1442	1563			
20	1715	1799	1807	1795	1782	1799	1816	1803	1705	1538	1367	1259	1227	1268	1386	1565			
25	1778	1856	1817	1758	1726	1761	1823	1857	1761	1539	1307	1175	1140	1183	1333	1577			
30	1846	1913	1805	1679	1619	1677	1803	1912	1829	1539	1241	1096	1062	1105	1272	1584			
35	1907	1954	1760	1552	1462	1542	1747	1953	1893	1532	1169	1019	990	1028	1203	1578			
40	1955	1977	1674	1376	1259	1358	1648	1971	1946	1513	1094	941	917	951	1126	1561			
45	1978	1974	1540	1160	1029	1137	1502	1964	1978	1478	1011	857	838	866	1039	1526			
50	1977	1934	1363	927	803	901	1310	1920	1987	1421	913	758	741	764	936	1470			
55	1963	1857	1146	713	614	689	1084	1828	1979	1339	794	638	621	641	811	1390			
60	1971	1743	909	540	469	522	845	1686	1976	1225	648	502	483	504	661	1280			
65	1952	1590	684	404	354	390	625	1496	1956	1052	490	367	344	369	502	1111			
70	1648	1328	485	294	250	282	439	1229	1770	784	340	241	214	250	350	828			
75	1094	923	317	198	166	186	283	876	1274	476	214	148	145	155	219	480			
80	475	470	167	116	106	109	148	442	597	205	104	85.6	91.1	88.3	103	211			
85	106	129	53.5	48.6	48.2	47.3	47.5	117	118	43.0	26.9	31.1	35.9	31.5	27.5	50.5			
90	3.14	2.15	1.07	0.79	0.69	0.75	0.98	2.06	1.01	0.57	0.36	0.29	0.24	0.31	0.41	0.67			
95	3.20	2.00	1.06	0.78	0.73	0.78	1.07	2.09	0.50	0.34	0.22	0.19	0.19	0.18	0.19	0.35			
100	3.54	2.38	1.36	1.02	0.98	1.03	1.36	2.41	0.52	0.35	0.22	0.20	0.21	0.22	0.20	0.34			
105	3.89	2.89	1.77	1.29	1.27	1.32	1.72	2.76	0.73	0.43	0.28	0.26	0.29	0.30	0.32	0.41			
110	4.16	3.34	2.15	1.63	1.58	1.62	2.05	3.04	1.02	0.61	0.40	0.40	0.41	0.46	0.52	0.61			
115	4.40	3.68	2.33	2.01	1.90	1.94	2.35	3.27	1.62	1.18	0.75	0.68	0.68	0.76	0.66	1.13			
120	4.45	3.91	2.61	2.40	2.16	2.24	2.64	3.40	2.62	2.04	1.39	1.11	1.08	1.30	1.25	2.02			
125	4.55	4.10	3.10	2.79	2.39	2.60	2.96	3.53	3.21	2.74	1.99	1.55	1.50	1.76	2.05	2.61			
130	4.74	4.27	3.55	3.17	2.64	2.92	3.28	3.70	3.64	3.29	2.50	1.99	1.96	2.25	2.67	3.01			
135	5.07	4.38	4.05	3.55	3.02	3.27	3.58	3.83	3.96	3.74	2.95	2.46	2.44	2.74	3.24	3.28			
140	5.38	4.61	4.49	3.97	3.42	3.62	3.85	4.11	4.22	4.04	3.38	2.96	2.92	3.23	3.67	3.52			
145	5.50	5.00	4.88	4.39	3.81	3.94	4.06	4.29	4.34	4.15	3.56	3.33	3.42	3.63	3.89	3.57			
150	5.73	5.55	5.28	4.83	4.22	4.27	4.26	4.45	4.20	3.99	3.78	3.74	3.87	3.89	3.91	3.45			
155	6.12	6.22	5.72	5.29	4.65	4.63	4.55	4.70	4.44	4.28	4.15	4.23	4.27	4.06	3.97	3.49			
160	6.65	6.82	6.22	5.77	5.04	4.98	4.93	5.03	5.40	5.07	4.90	4.92	4.88	4.42	4.42	4.19			
165	7.33	7.46	6.87	6.33	5.61	5.42	5.46	5.59	7.11	6.87	6.49	6.29	5.88	5.41	5.55	5.65			
170	8.00	8.01	7.35	6.86	6.10	5.87	5.97	6.24	8.13	8.02	7.34	6.77	6.20	5.91	6.23	6.39			
175	8.07	8.26	7.55	7.04	6.39	6.20	6.38	6.68	8.15	8.28	7.49	6.92	6.32	6.15	6.49	6.65			
180	7.84	7.97	7.10	6.50	5.89	5.77	6.17	6.65	8.01	8.11	7.24	6.57	5.97	5.84	6.28	6.78			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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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: