

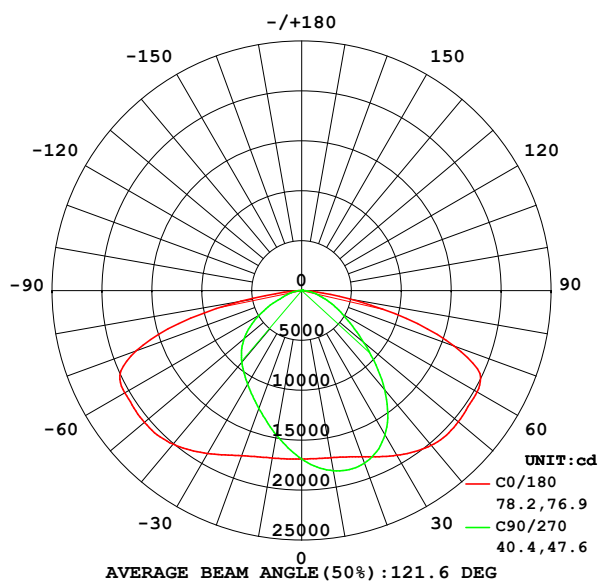
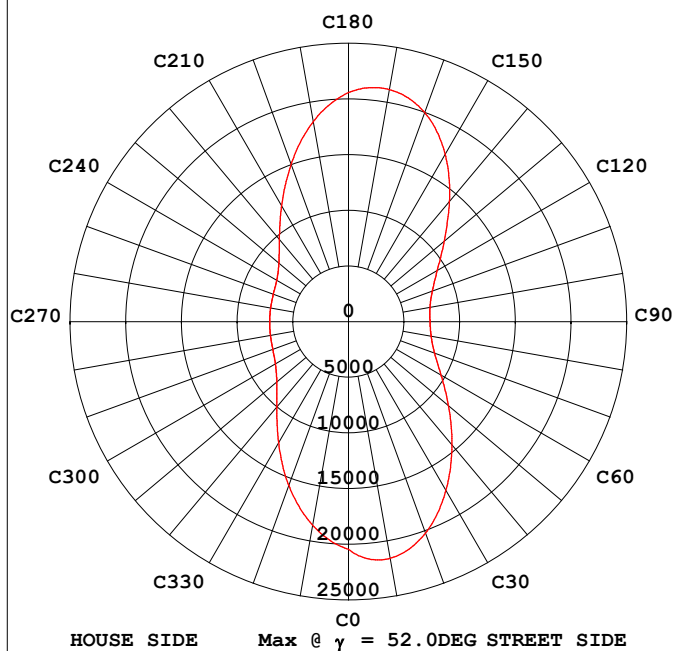
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz

Lamp Flux:59032.4x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 138.88 lm/W
MODEL		I _{max} (cd)	20578	η street_up (%)	0.2	
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	55.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	59032	η house_up (%)	0.1	
NOMINAL FLUX (lm)	59032.4	MAXIMUM @ (C, γ)	180,52.0	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	25.888	

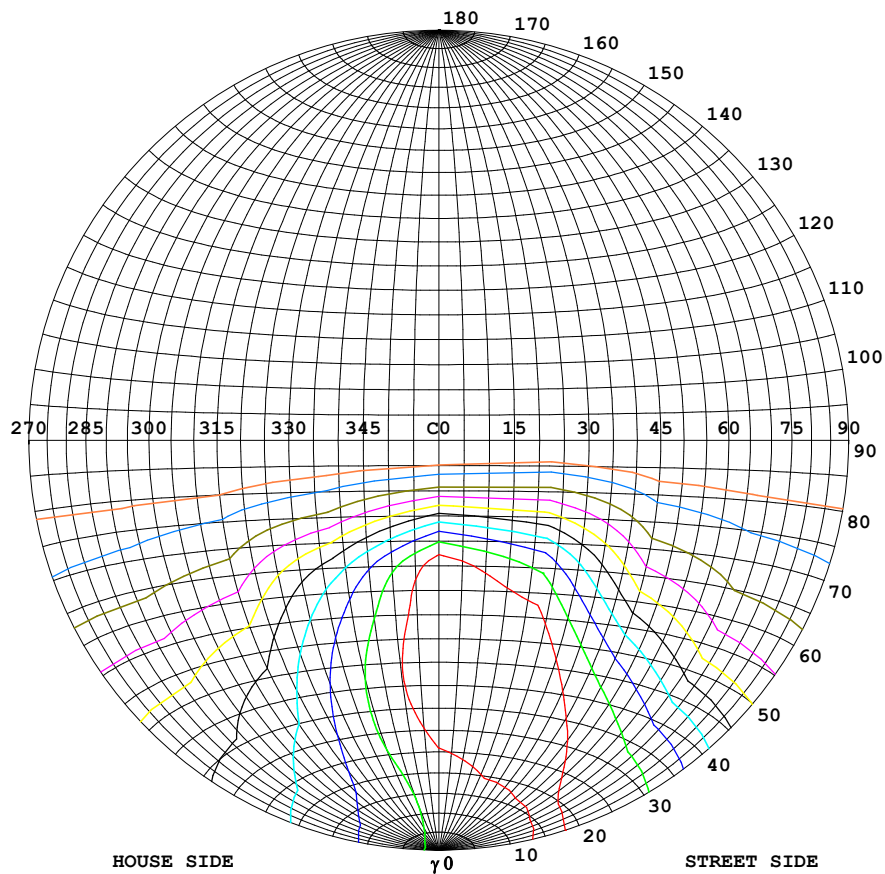
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

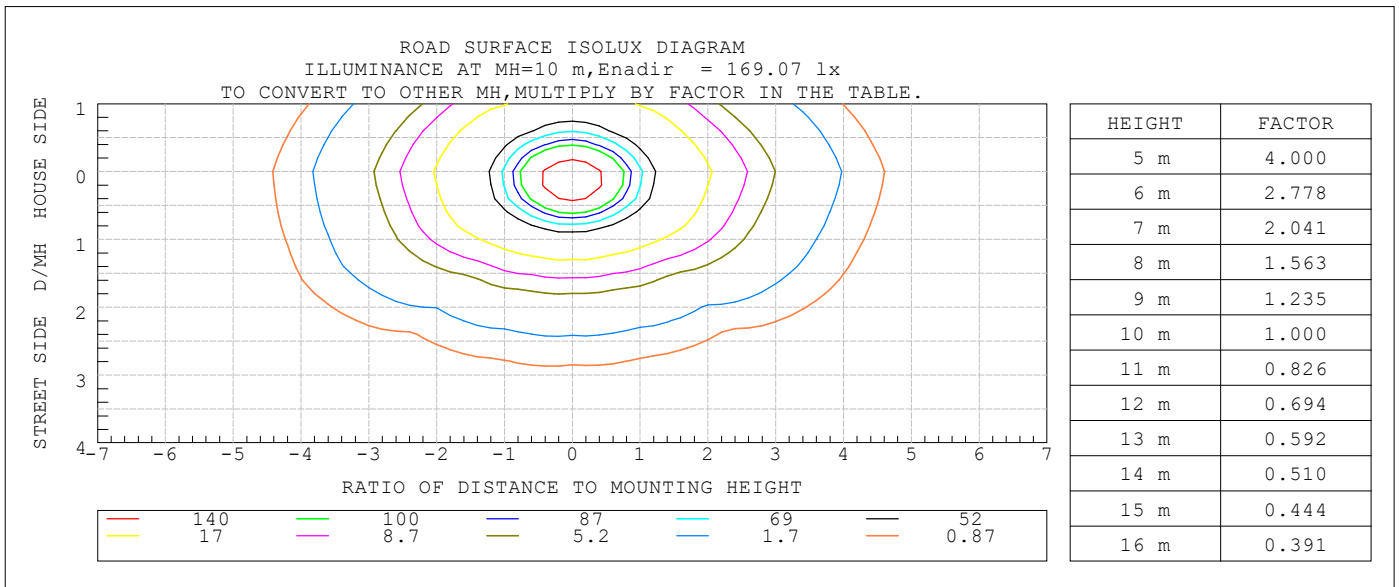
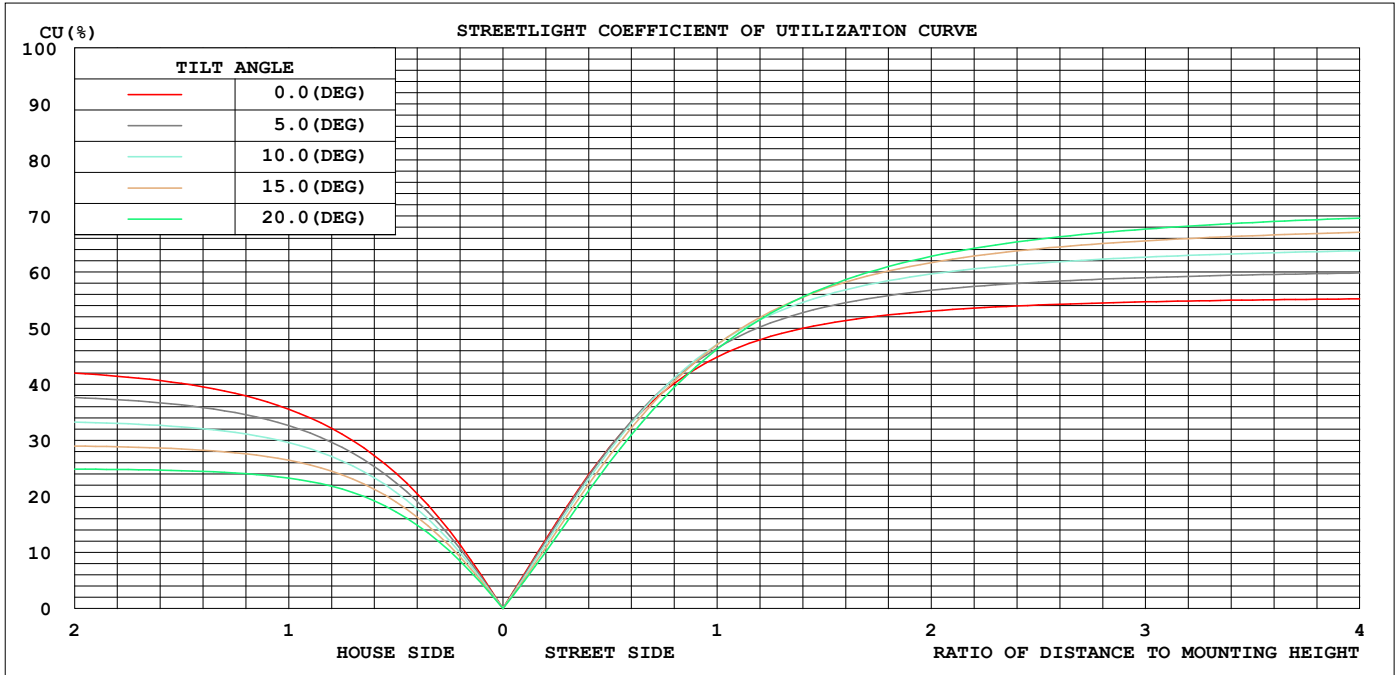
IES:Type II - Short
CIE:Narrow - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:104.8cd/klm
Max.At90:0.5299cd/klm
Max.80-90:104.8cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		20578
— 90%		18520
— 80%		16462
— 70%		14404
— 60%		12347
— 50%		10289
— 40%		8231
— 30%		6173
— 20%		4116
— 10%		2058
— 5%		1029

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:

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:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

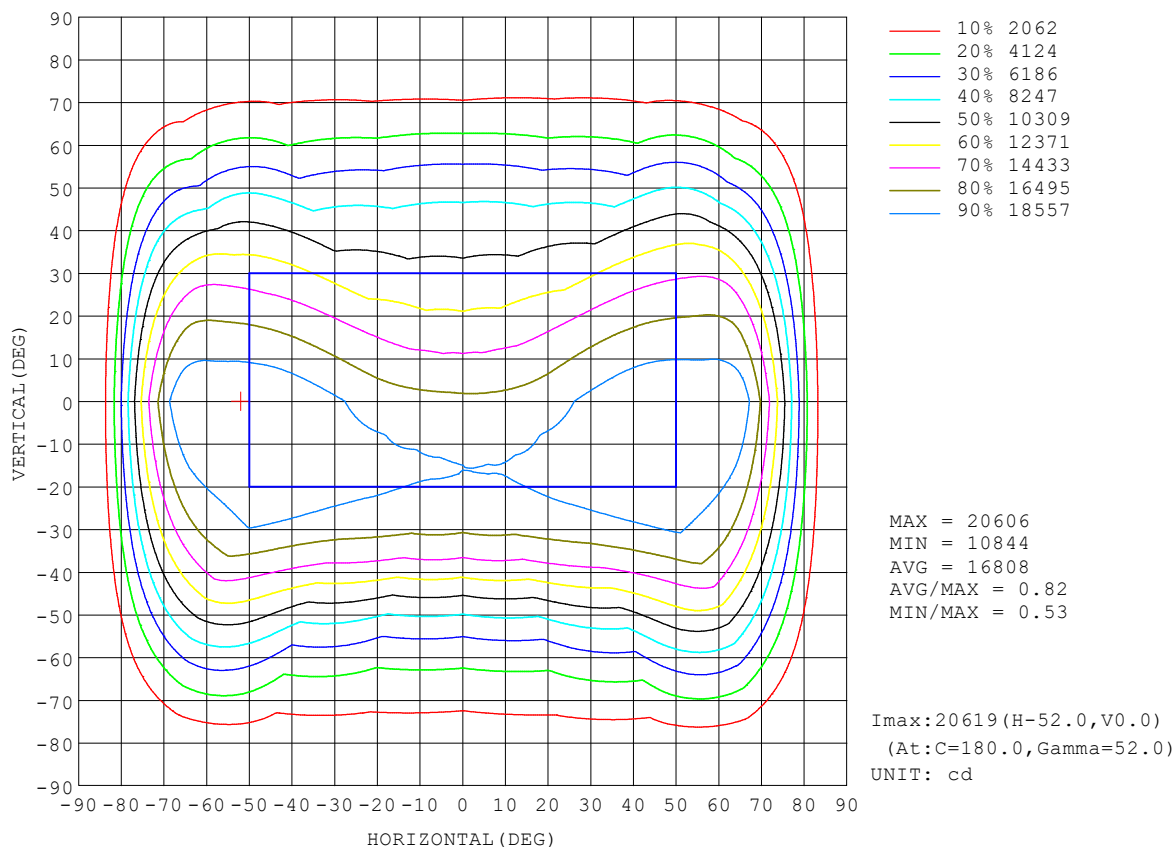
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1700	1803	1833	1812	1704	1542	1469	1545	0- 10	1605	1605	2.72,2.72
20	1771	1864	1840	1875	1761	1401	1256	1423	10- 20	4712	6317	10.7,10.7
30	1906	1859	1670	1858	1885	1268	1084	1303	20- 30	7543	13861	23.5,23.5
40	2023	1718	1293	1697	2008	1113	934.4	1153	30- 40	9763	23624	40,40
50	2049	1391	817.9	1346	2057	926.9	754.4	958.6	40- 50	10820	34444	58.3,58.3
60	2032	919.6	472.5	861.8	2048	657.1	489.8	678.7	50- 60	10387	44830	75.9,75.9
70	1625	484.0	251.8	443.0	1761	342.6	214.1	354.0	60- 70	8519	53349	90.4,90.4
80	489.5	165.3	106.9	146.4	618.7	102.3	90.89	102.6	70- 80	4670	58019	98.3,98.3
90	3.128	1.100	0.8638	0.9985	1.002	0.3567	0.2438	0.4053	80- 90	845.6	58865	99.7,99.7
100	3.622	1.386	0.9919	1.400	0.5204	0.2258	0.2137	0.2040	90-100	9.967	58875	99.7,99.7
110	4.282	2.187	1.607	2.107	1.023	0.3986	0.4204	0.5109	100-110	13.47	58888	99.8,99.8
120	4.575	2.671	2.197	2.714	2.660	1.405	1.099	1.277	110-120	18.77	58907	99.8,99.8
130	4.883	3.652	2.699	3.379	3.732	2.545	1.999	2.743	120-130	24.79	58932	99.8,99.8
140	5.550	4.618	3.505	3.966	4.333	3.463	2.991	3.776	130-140	27.56	58959	99.9,99.9
150	5.904	5.440	4.328	4.386	4.320	3.881	3.980	4.035	140-150	26.43	58986	99.9,99.9
160	6.854	6.411	5.190	5.073	5.569	5.046	5.027	4.552	150-160	22.30	59008	100,100
170	8.262	7.596	6.294	6.155	8.386	7.566	6.388	6.423	160-170	17.65	59026	100,100
180	8.114	7.348	6.081	6.375	8.272	7.476	6.150	6.476	170-180	6.872	59032	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

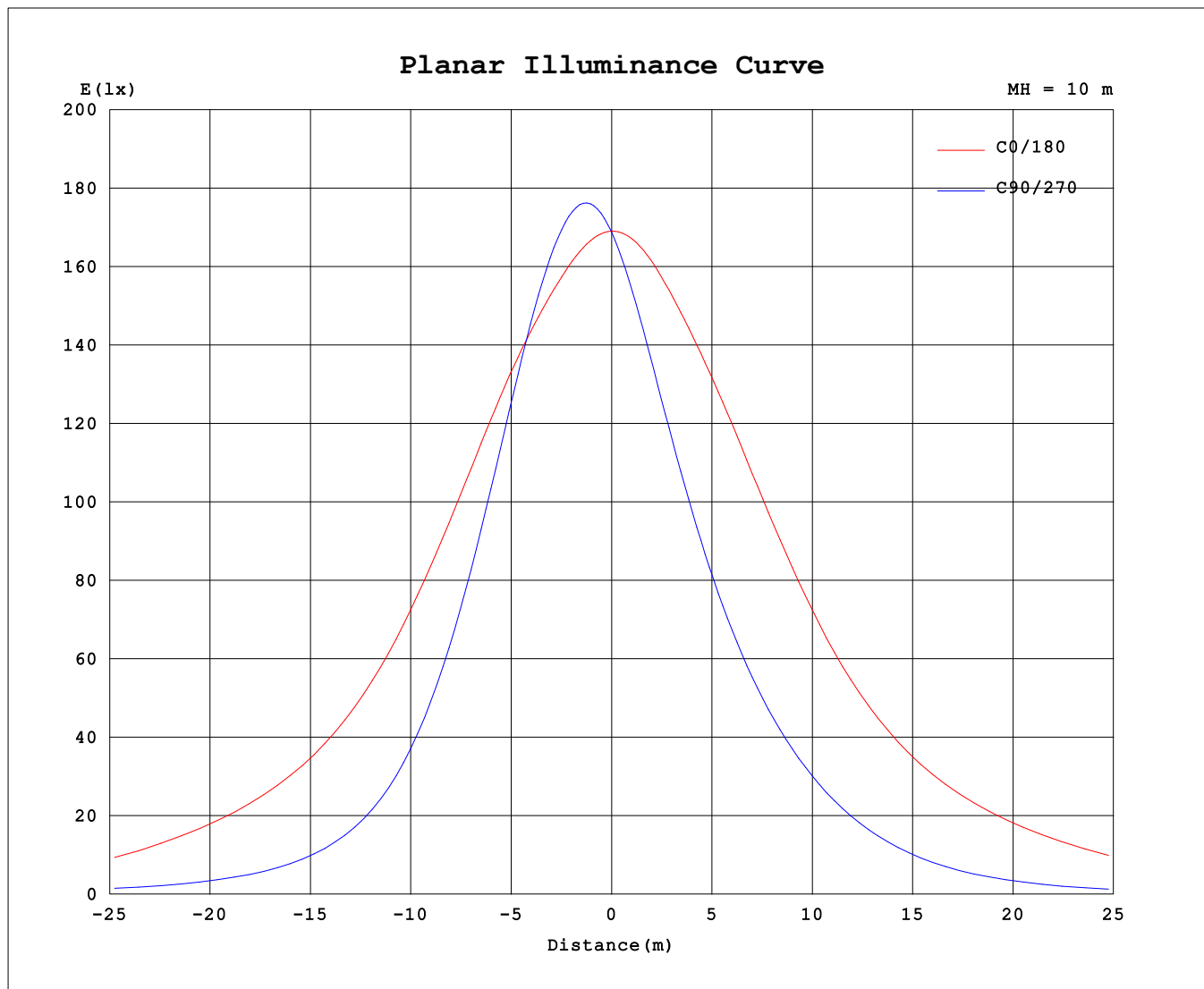
Test:U:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



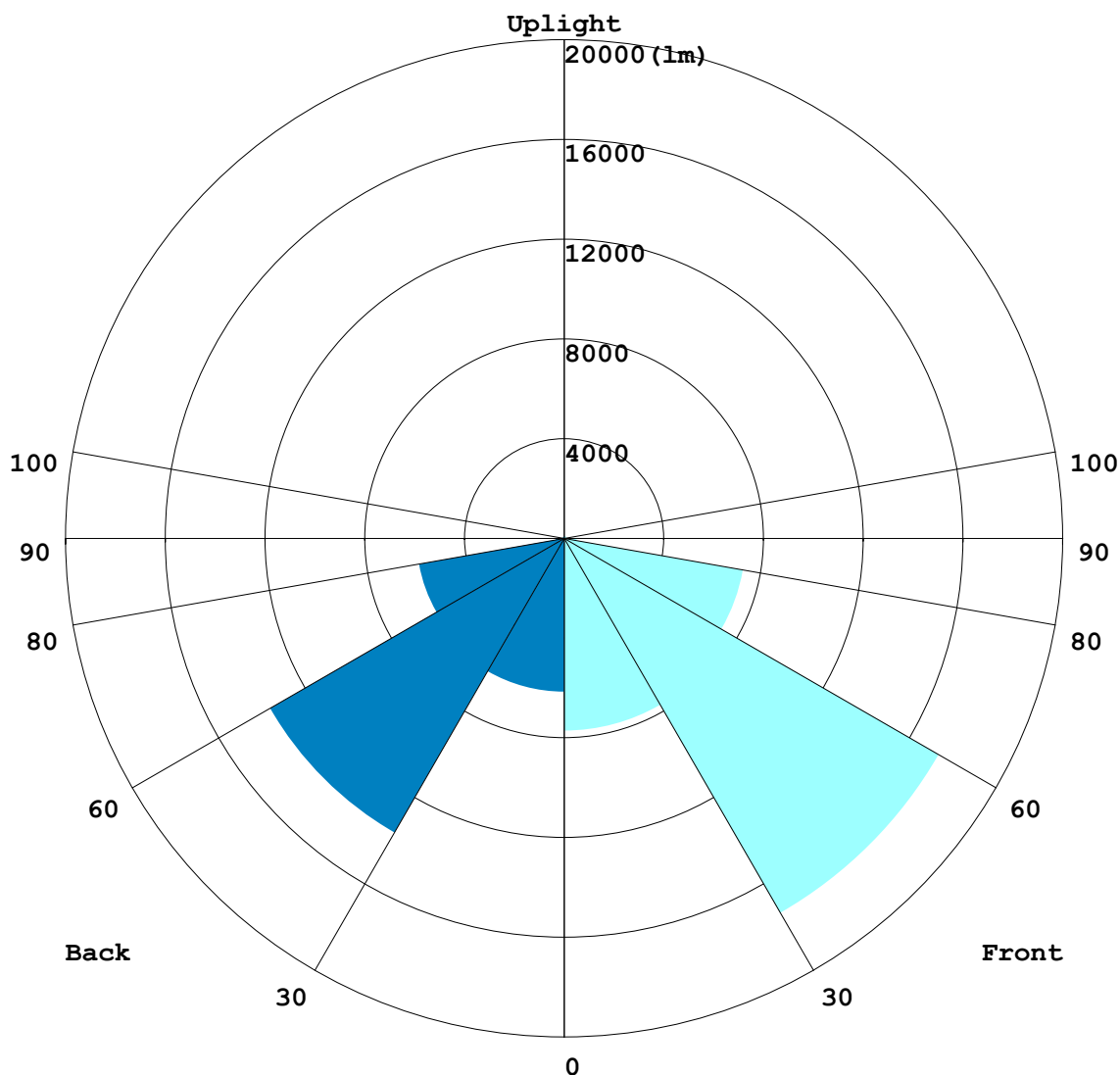
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.0 °C
Operators:DAMIN
Test Date:2024-03-19

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:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 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℃
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:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 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)	7709.2	13.1
FM - Front-Medium(30-60)	17343	29.4
FH - Front-High(60-80)	7280.5	12.3
FVH - Front-Very High(80-90)	508.43	0.9
Total Forward Light	32944	55.8

BL - Back-Low(0-30)	6151.4	10.4
BM - Back-Medium(30-60)	13627	23.1
BH - Back-High(60-80)	5908.2	10.0
BVH - Back-Very High(80-90)	337.12	0.6
Total Back Light	26089	44.2

UL - Uplight-Low(90-100)	9.9666	0.0
UH - Uplight-High(100-180)	157.84	0.3
Total Up Light	167.81	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	26024	64.632	26089
Street Side	32841	103.18	32944

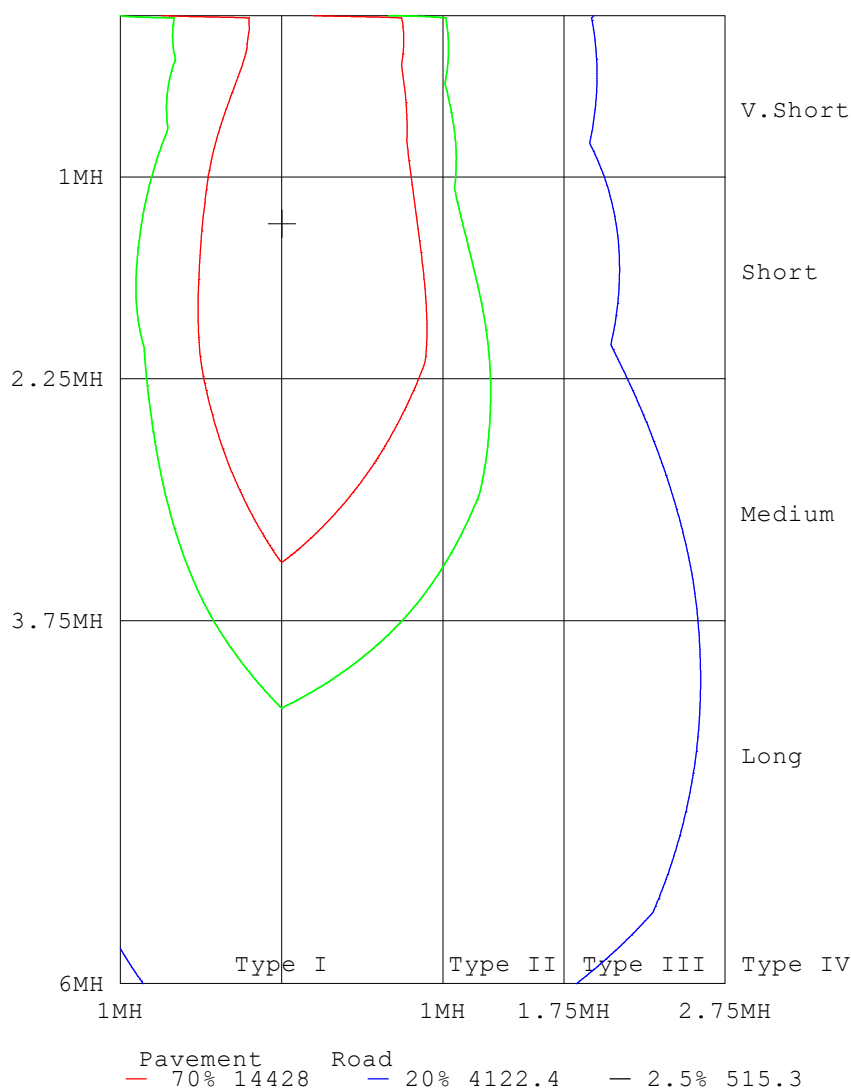
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.0℃
Operators:DAMIN
Test Date:2024-03-19

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:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 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:118.11V I:3.6023A P:425.05W PF:0.9991 Freq:60.01Hz Lamp Flux:59032.4x1 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	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687	1687			
5	1689	1725	1751	1769	1775	1772	1756	1728	1692	1653	1616	1590	1582	1591	1615	1651			
10	1700	1763	1803	1826	1833	1832	1812	1771	1704	1621	1542	1487	1469	1491	1545	1623			
15	1726	1806	1840	1855	1855	1862	1853	1814	1724	1596	1469	1384	1358	1392	1481	1608			
20	1771	1857	1864	1852	1840	1857	1875	1861	1761	1583	1401	1289	1256	1299	1423	1608			
25	1836	1915	1874	1812	1780	1816	1880	1914	1817	1580	1336	1201	1166	1212	1367	1620			
30	1906	1972	1859	1729	1670	1728	1858	1966	1885	1578	1268	1118	1084	1129	1303	1628			
35	1971	2013	1810	1596	1506	1588	1800	2007	1950	1569	1193	1038	1009	1050	1233	1626			
40	2023	2037	1718	1411	1293	1395	1697	2027	2008	1549	1113	958	934	970	1153	1610			
45	2049	2034	1579	1186	1052	1162	1546	2022	2045	1513	1027	872	853	882	1064	1576			
50	2049	1991	1391	944	818	918	1346	1978	2057	1456	927	771	754	778	959	1520			
55	2034	1909	1164	724	622	699	1110	1888	2052	1373	806	649	632	653	831	1441			
60	2032	1784	920	546	472	527	862	1743	2048	1256	657	510	490	512	679	1331			
65	1971	1601	688	408	356	393	635	1540	2012	1071	497	371	347	373	514	1140			
70	1625	1298	484	296	252	284	443	1229	1761	770	343	242	214	251	354	826			
75	1088	899	311	199	168	188	281	854	1277	465	210	148	145	156	217	478			
80	490	481	165	116	107	110	146	458	619	209	102	85.3	90.9	87.6	103	213			
85	106	136	52.4	48.7	48.9	46.9	46.6	119	125	41.5	26.6	30.5	36.1	30.9	27.1	49.5			
90	3.13	2.18	1.10	0.77	0.86	0.74	1.00	2.08	1.00	0.58	0.36	0.29	0.24	0.31	0.41	0.68			
95	3.24	2.04	1.08	0.79	0.74	0.80	1.09	2.14	0.50	0.34	0.22	0.19	0.19	0.18	0.20	0.35			
100	3.62	2.43	1.39	1.03	0.99	1.05	1.40	2.49	0.52	0.35	0.23	0.20	0.21	0.22	0.20	0.33			
105	3.99	2.94	1.80	1.31	1.29	1.34	1.77	2.84	0.72	0.44	0.28	0.26	0.29	0.30	0.32	0.42			
110	4.28	3.39	2.19	1.66	1.61	1.65	2.11	3.14	1.02	0.61	0.40	0.40	0.42	0.47	0.51	0.62			
115	4.51	3.76	2.39	2.05	1.93	1.98	2.42	3.36	1.63	1.18	0.75	0.69	0.69	0.77	0.67	1.15			
120	4.57	4.01	2.67	2.45	2.20	2.30	2.71	3.51	2.66	2.06	1.40	1.13	1.10	1.32	1.28	2.06			
125	4.69	4.22	3.18	2.84	2.43	2.66	3.04	3.64	3.26	2.79	2.02	1.58	1.53	1.79	2.10	2.68			
130	4.88	4.39	3.65	3.24	2.70	2.99	3.38	3.82	3.73	3.37	2.54	2.03	2.00	2.30	2.74	3.10			
135	5.22	4.51	4.16	3.64	3.09	3.34	3.68	3.95	4.06	3.84	3.01	2.51	2.49	2.80	3.33	3.38			
140	5.55	4.75	4.62	4.07	3.50	3.70	3.97	4.24	4.33	4.16	3.46	3.03	2.99	3.32	3.78	3.63			
145	5.67	5.16	5.02	4.50	3.91	4.04	4.18	4.42	4.47	4.27	3.66	3.42	3.51	3.74	4.01	3.68			
150	5.90	5.72	5.44	4.96	4.33	4.38	4.39	4.59	4.32	4.11	3.88	3.84	3.98	4.01	4.03	3.55			
155	6.31	6.41	5.90	5.45	4.78	4.76	4.68	4.84	4.57	4.42	4.27	4.36	4.40	4.19	4.09	3.60			
160	6.85	7.02	6.41	5.94	5.19	5.11	5.07	5.19	5.57	5.23	5.05	5.07	5.03	4.55	4.55	4.32			
165	7.57	7.70	7.09	6.52	5.77	5.57	5.62	5.76	7.34	7.09	6.68	6.49	6.06	5.58	5.71	5.83			
170	8.26	8.26	7.60	7.08	6.29	6.03	6.16	6.44	8.39	8.29	7.57	6.99	6.39	6.09	6.42	6.59			
175	8.35	8.53	7.80	7.26	6.60	6.38	6.58	6.89	8.41	8.56	7.72	7.15	6.51	6.34	6.69	6.86			
180	8.11	8.24	7.35	6.70	6.08	5.95	6.37	6.86	8.27	8.39	7.48	6.79	6.15	6.02	6.48	7.00			

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: