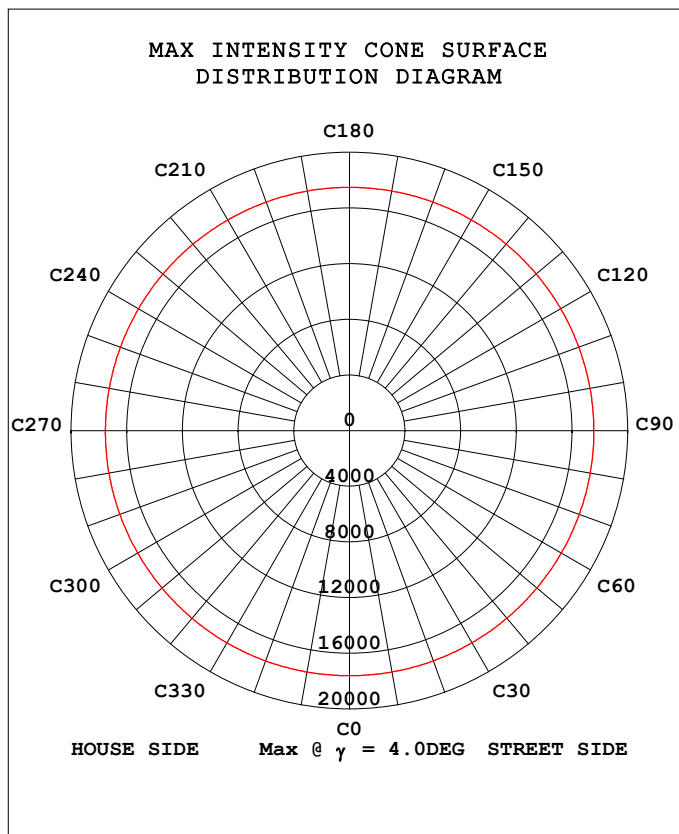
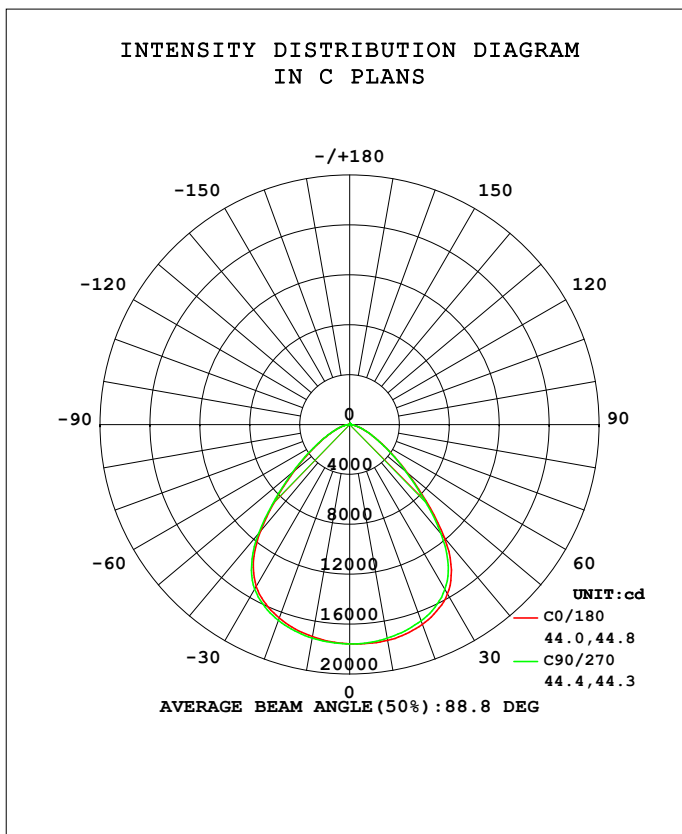


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.80 lm/W			
MODEL		I _{max} (cd)	17611	η street_up (%)	0.3
NOMINAL POWER (W)	240	LOR (%)	100.0	η street_down (%)	50.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	35652	η house_up (%)	0.1
NOMINAL FLUX (lm)	35651.5	MAXIMUM @ (C, γ)	338,4.0	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.6	SLI	22.232

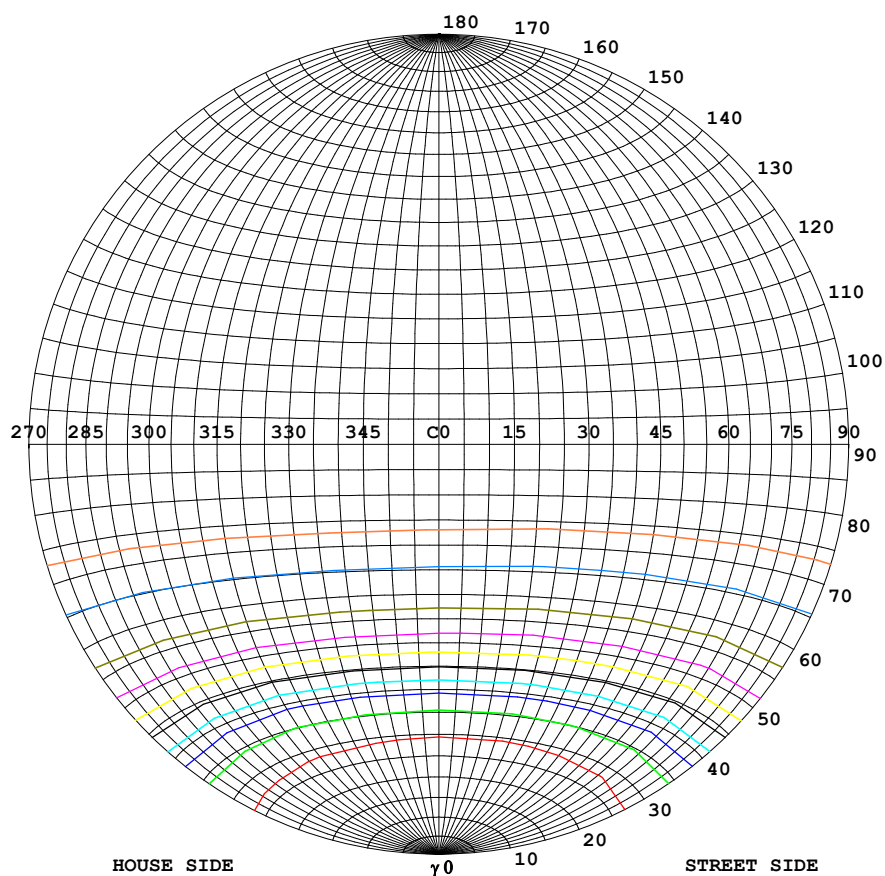


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

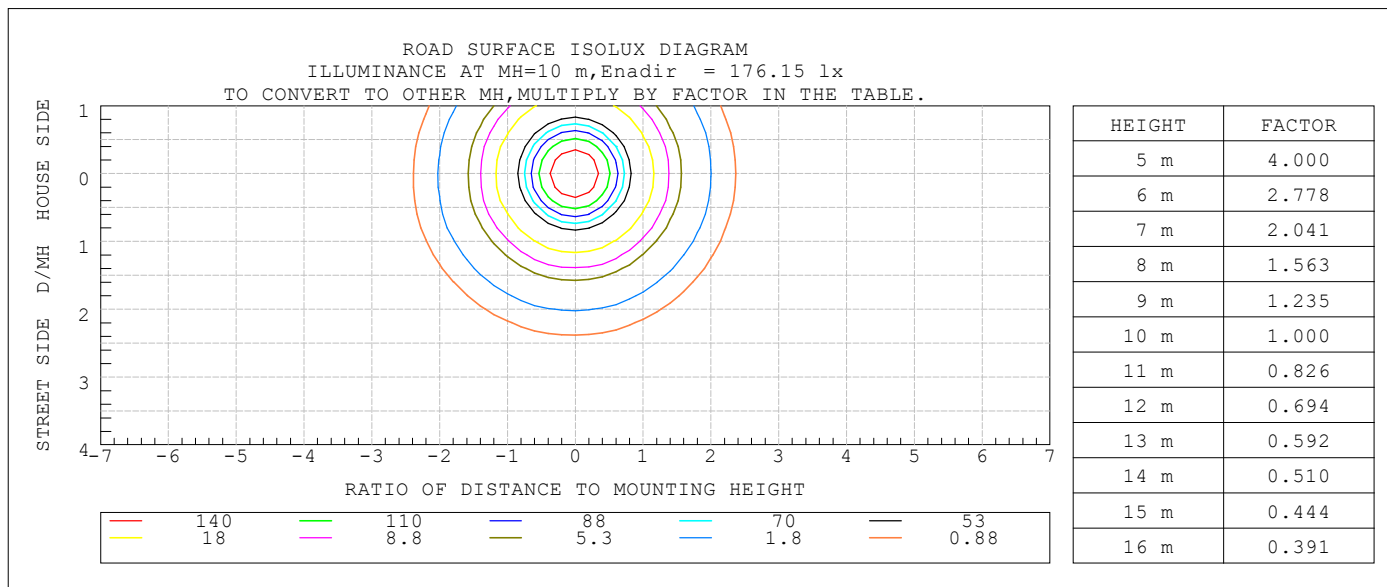
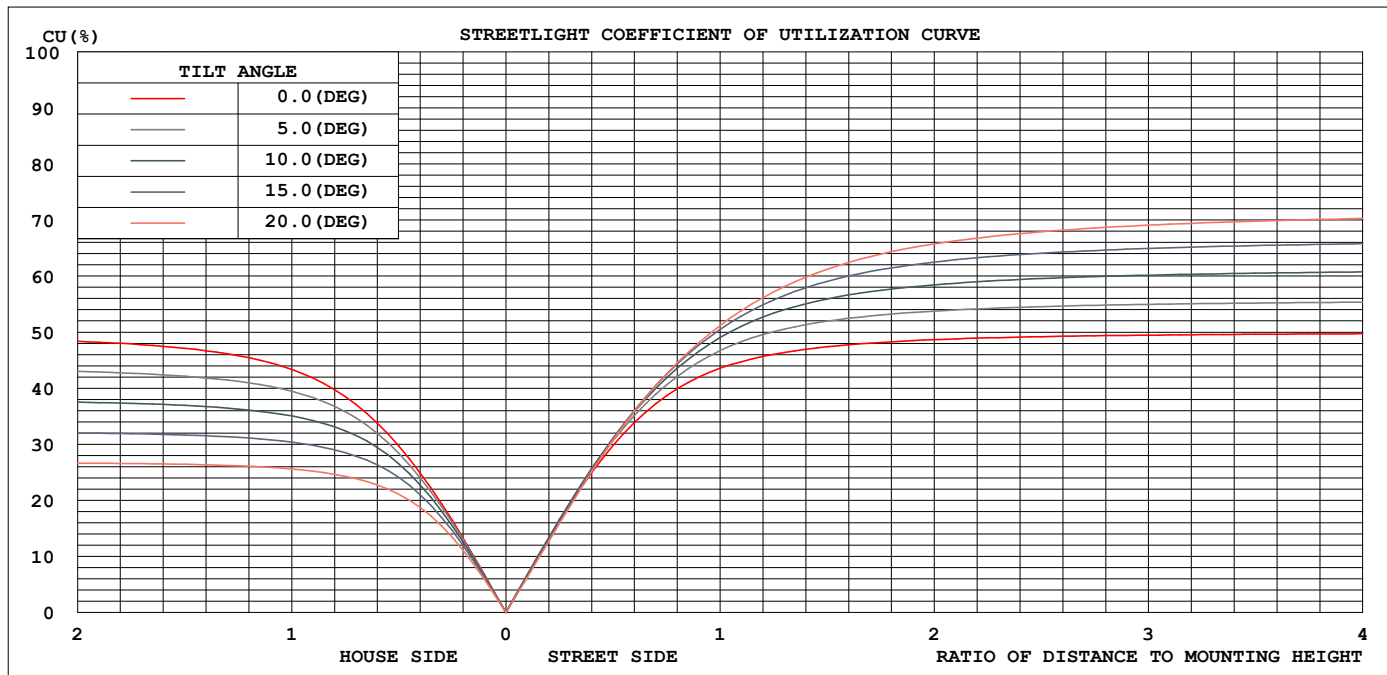
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.03cd/klm
Max.At90:0.1015cd/klm
Max.80-90:11.03cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		17611
90%		15850
80%		14089
70%		12328
60%		10567
50%		8806
40%		7045
30%		5283
20%		3522
10%		1761
5%		881

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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℃
Operators:DAMIN
Test Date:2023-12-14

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:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

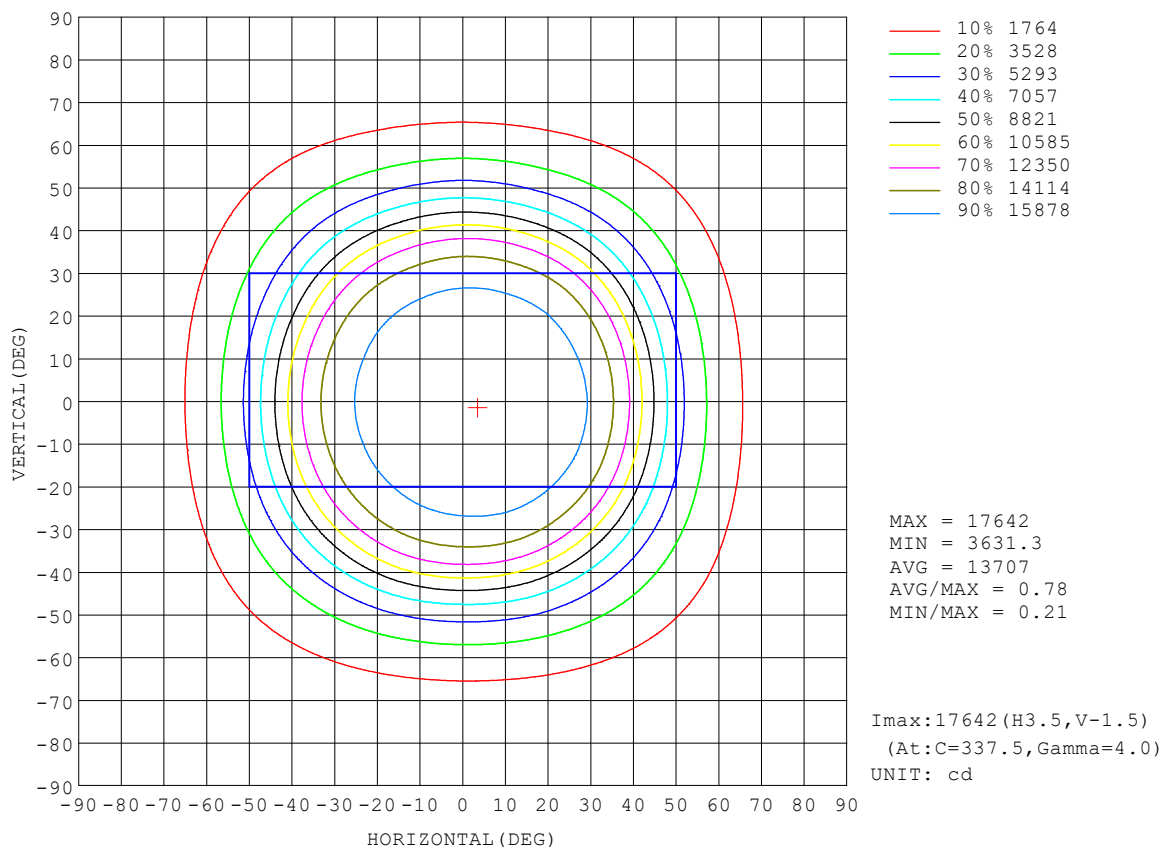
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1757	1750	1739	1730	1724	1728	1738	1751	0- 10	1669	1669	4.68,4.68
20	1704	1691	1674	1659	1650	1654	1671	1693	10- 20	4841	6510	18.3,18.3
30	1568	1553	1527	1508	1499	1502	1523	1554	20- 30	7442	13952	39.1,39.1
40	1182	1161	1139	1121	1111	1109	1136	1178	30- 40	8524	22476	63,63
50	608.4	609.2	595.4	584.1	583.0	586.4	599.8	601.7	40- 50	6552	29028	81.4,81.4
60	279.6	287.0	277.9	267.3	267.5	270.8	274.9	273.4	50- 60	3722	32750	91.9,91.9
70	117.8	121.8	116.6	112.2	112.1	114.3	114.9	114.3	60- 70	1836	34586	97,97
80	37.58	39.29	38.21	37.25	37.24	37.42	37.05	36.51	70- 80	764.3	35351	99.2,99.2
90	0.3111	0.3334	0.3497	0.3559	0.1938	0.1735	0.1587	0.1530	80- 90	156.6	35507	99.6,99.6
100	0.5098	0.5148	0.5219	0.5199	0.1081	0.1081	0.1068	0.1055	90-100	2.657	35510	99.6,99.6
110	1.111	1.114	1.133	1.153	0.1961	0.1960	0.1921	0.1871	100-110	4.915	35515	99.6,99.6
120	2.123	2.116	2.153	2.214	0.5299	0.5297	0.5178	0.5056	110-120	9.564	35524	99.6,99.6
130	3.318	3.310	3.358	3.436	1.406	1.395	1.372	1.349	120-130	16.26	35541	99.7,99.7
140	4.670	4.654	4.707	4.783	2.770	2.747	2.706	2.667	130-140	23.23	35564	99.8,99.8
150	6.197	6.184	6.224	6.290	4.405	4.371	4.332	4.282	140-150	28.04	35592	99.8,99.8
160	7.594	7.582	7.615	7.667	6.562	6.517	6.462	6.398	150-160	28.23	35620	99.9,99.9
170	9.076	9.061	9.077	9.107	8.885	8.811	8.785	8.722	160-170	22.36	35643	100,100
180	9.329	9.294	9.296	9.275	9.504	9.469	9.473	9.451	170-180	8.923	35652	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:2023-12-14

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

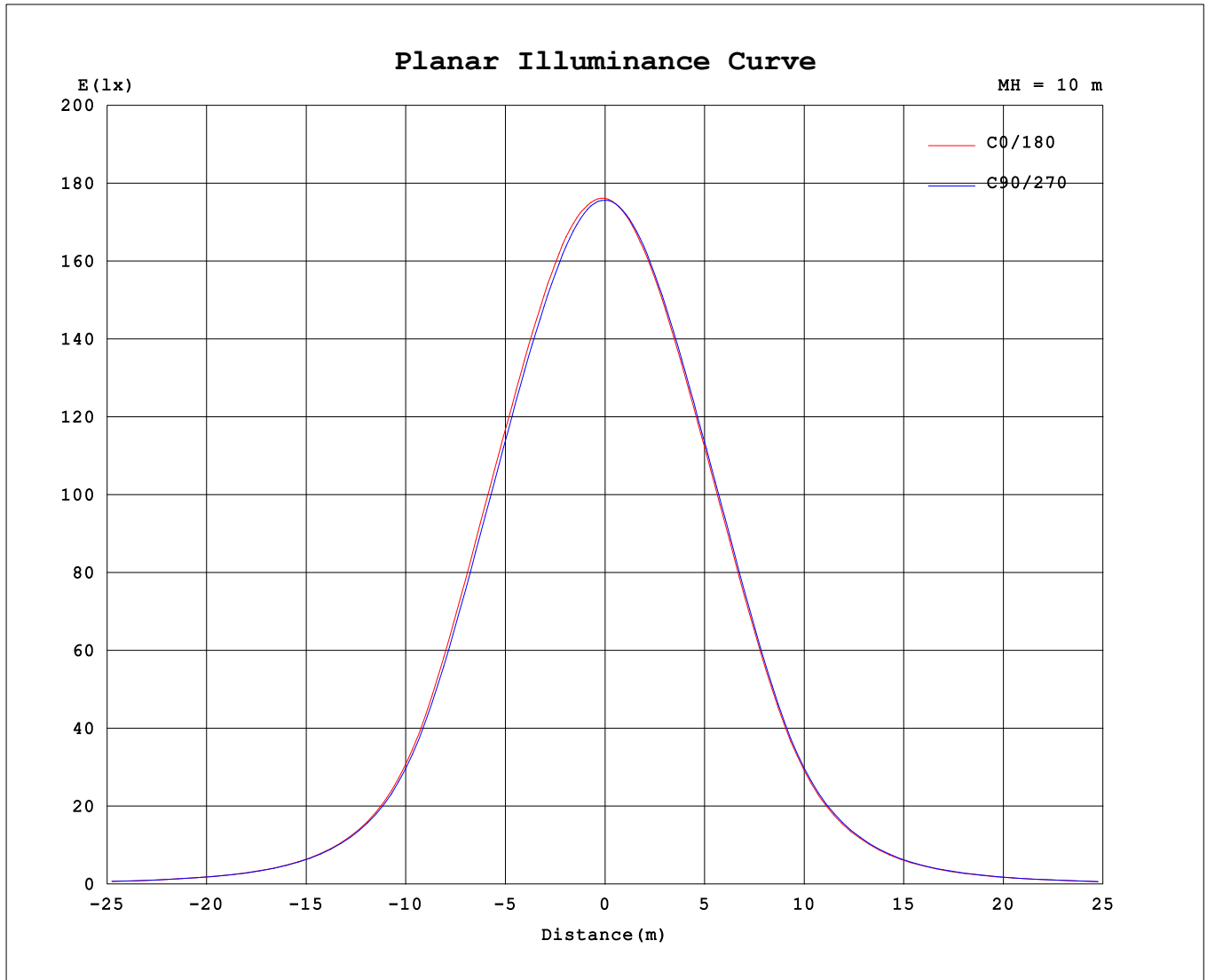
Test:U:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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

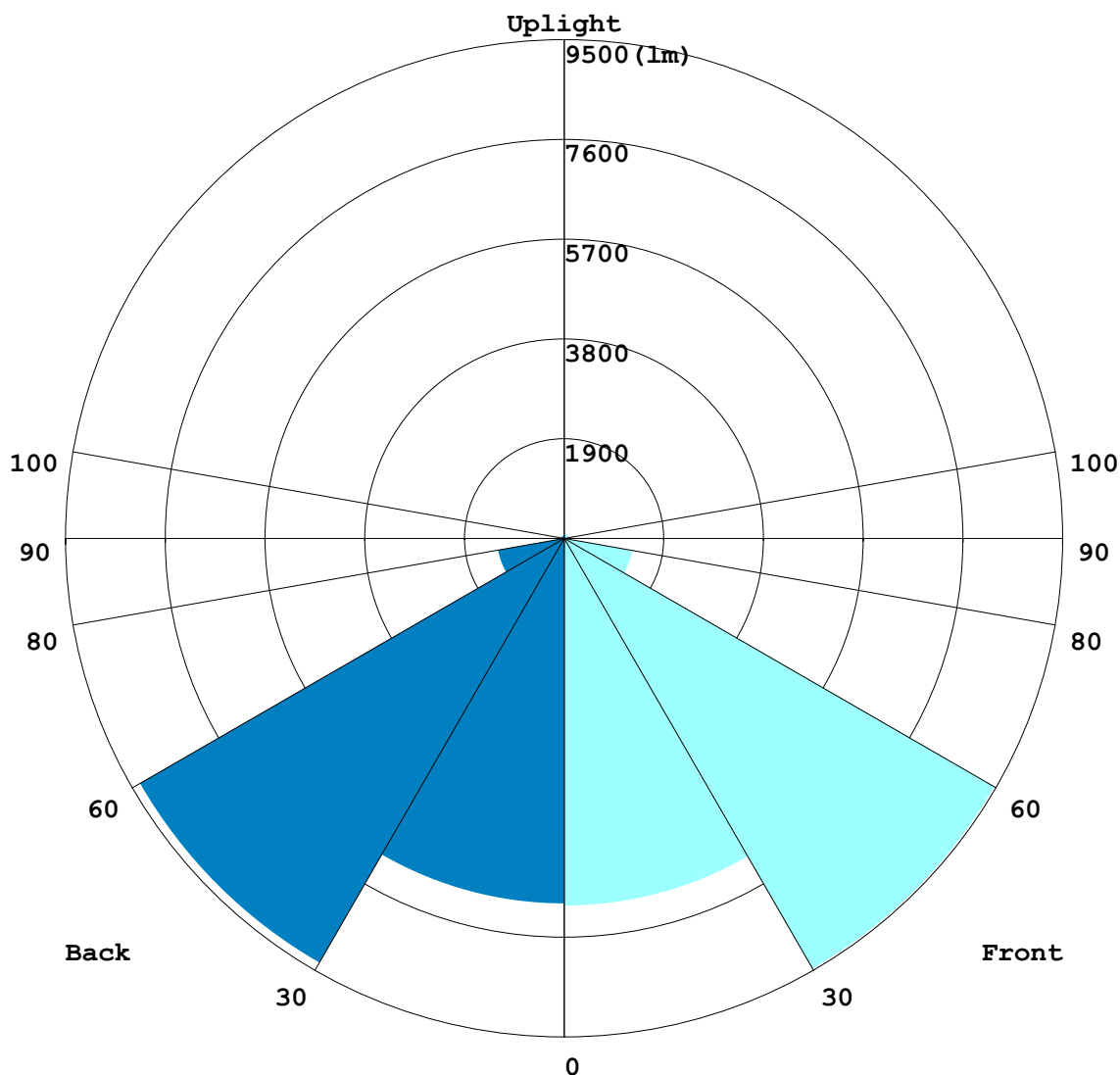


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.5℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 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:2023-12-14

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:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 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)	6995.8	19.6
FM - Front-Medium(30-60)	9465.3	26.5
FH - Front-High(60-80)	1319.1	3.7
FVH - Front-Very High(80-90)	80.965	0.2
Total Forward Light	17952	50.4

BL - Back-Low(0-30)	6956.3	19.5
BM - Back-Medium(30-60)	9332.8	26.2
BH - Back-High(60-80)	1281.4	3.6
BVH - Back-Very High(80-90)	75.63	0.2
Total Back Light	17699	49.6

UL - Uplight-Low(90-100)	2.6575	0.0
UH - Uplight-High(100-180)	141.53	0.4
Total Up Light	144.18	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17646	53.058	17699
Street Side	17861	91.127	17952

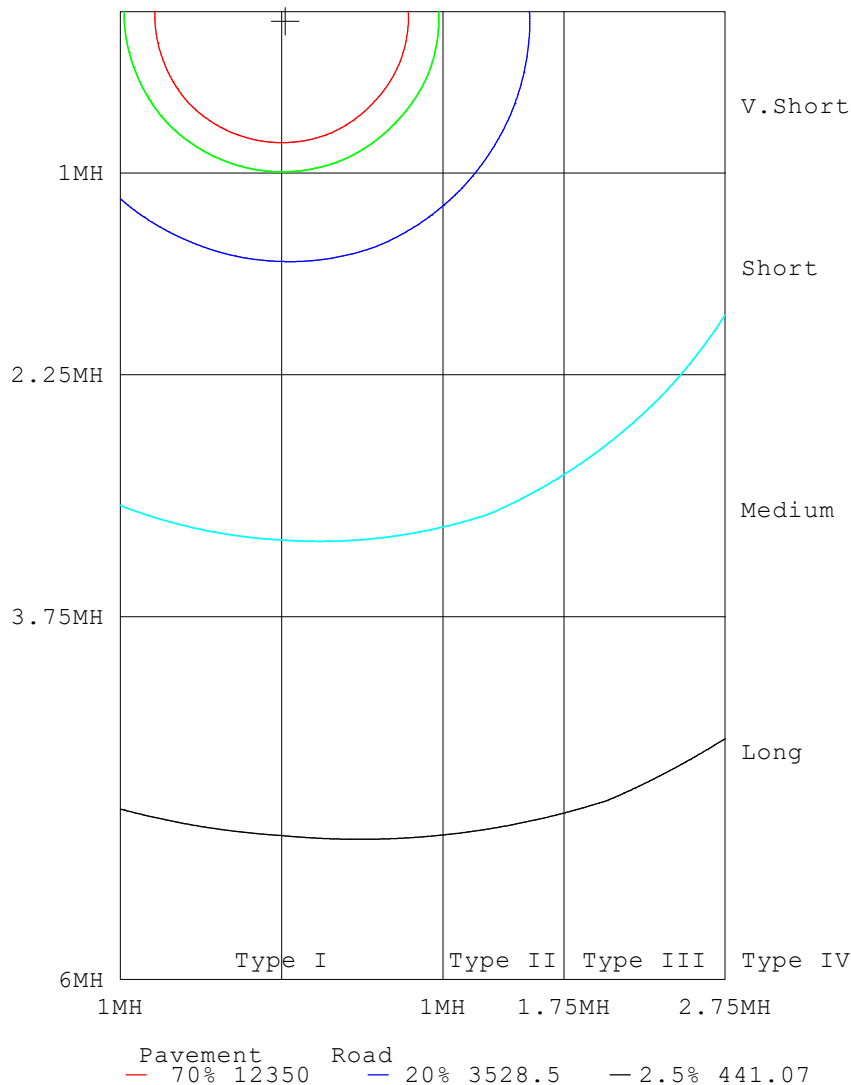
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 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°C
 Operators:DAMIN
 Test Date:2023-12-14

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:118.47V I:1.9583A P:231.81W PF:0.9992 Freq:60.00Hz Lamp Flux:35651.5x1 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	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758	1758			
5	1760	1760	1758	1757	1755	1750	1749	1747	1746	1745	1748	1750	1752	1756	1759	1761			
10	1757	1753	1750	1745	1739	1733	1730	1726	1724	1724	1728	1732	1738	1743	1751	1755			
15	1738	1735	1727	1722	1712	1706	1697	1695	1696	1692	1697	1704	1711	1718	1729	1735			
20	1704	1700	1691	1686	1674	1666	1659	1654	1650	1648	1654	1662	1671	1679	1693	1701			
25	1650	1648	1639	1632	1617	1608	1599	1595	1589	1587	1594	1600	1611	1621	1639	1647			
30	1568	1567	1553	1545	1527	1521	1508	1505	1499	1495	1502	1507	1523	1534	1554	1565			
35	1422	1421	1404	1398	1377	1372	1359	1354	1346	1337	1345	1352	1372	1387	1414	1421			
40	1182	1181	1161	1158	1139	1139	1121	1120	1111	1100	1109	1112	1136	1152	1178	1184			
45	870	871	858	862	842	842	829	832	824	813	823	826	843	847	865	867			
50	608	616	609	610	595	593	584	587	583	577	586	587	600	594	602	604			
55	418	427	424	422	411	407	399	400	399	397	403	402	411	403	410	412			
60	280	289	287	283	278	272	267	266	267	266	271	269	275	269	273	275			
65	185	192	192	188	184	181	177	176	177	176	180	179	182	179	181	181			
70	118	123	122	120	117	115	112	111	112	111	114	113	115	114	114	115			
75	71.6	75.0	74.2	73.4	71.2	71.1	68.7	68.0	68.9	68.2	70.1	69.4	70.0	69.4	69.6	69.4			
80	37.6	39.3	39.3	39.3	38.2	38.6	37.2	36.9	37.2	36.5	37.4	36.8	37.0	36.4	36.5	36.1			
85	12.3	13.3	13.3	13.9	13.5	14.1	13.4	13.5	13.3	12.6	12.9	12.2	12.4	11.7	12.0	11.6			
90	0.31	0.33	0.33	0.35	0.35	0.36	0.36	0.36	0.19	0.17	0.17	0.16	0.16	0.15	0.15	0.15			
95	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.10	0.10	0.10	0.10	0.11	0.10	0.11	0.10			
100	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.53	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.11			
105	0.76	0.76	0.77	0.77	0.78	0.77	0.78	0.79	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.13			
110	1.11	1.11	1.11	1.12	1.13	1.14	1.15	1.17	0.20	0.19	0.20	0.19	0.19	0.18	0.19	0.18			
115	1.58	1.57	1.57	1.58	1.60	1.62	1.65	1.67	0.30	0.31	0.30	0.30	0.29	0.29	0.29	0.29			
120	2.12	2.11	2.12	2.12	2.15	2.18	2.21	2.23	0.53	0.55	0.53	0.54	0.52	0.52	0.51	0.51			
125	2.70	2.69	2.69	2.70	2.74	2.76	2.81	2.83	0.88	0.89	0.88	0.88	0.86	0.86	0.84	0.85			
130	3.32	3.30	3.31	3.32	3.36	3.38	3.44	3.45	1.41	1.42	1.39	1.40	1.37	1.37	1.35	1.35			
135	3.97	3.94	3.96	3.96	4.01	4.03	4.08	4.10	2.05	2.08	2.03	2.04	2.00	2.00	1.97	1.98			
140	4.67	4.64	4.65	4.66	4.71	4.72	4.78	4.80	2.77	2.79	2.75	2.74	2.71	2.69	2.67	2.67			
145	5.43	5.41	5.42	5.42	5.46	5.47	5.53	5.55	3.59	3.60	3.56	3.55	3.52	3.49	3.47	3.46			
150	6.20	6.18	6.18	6.19	6.22	6.23	6.29	6.31	4.41	4.43	4.37	4.37	4.33	4.31	4.28	4.29			
155	6.90	6.89	6.89	6.89	6.92	6.93	6.98	7.01	5.43	5.45	5.39	5.39	5.35	5.33	5.30	5.30			
160	7.59	7.59	7.58	7.59	7.62	7.62	7.67	7.69	6.56	6.58	6.52	6.51	6.46	6.44	6.40	6.41			
165	8.28	8.28	8.27	8.28	8.30	8.30	8.34	8.37	7.82	7.83	7.77	7.75	7.70	7.67	7.63	7.64			
170	9.08	9.08	9.06	9.06	9.08	9.06	9.11	9.11	8.88	8.87	8.81	8.81	8.78	8.75	8.72	8.73			
175	9.62	9.63	9.60	9.61	9.60	9.59	9.60	9.61	9.63	9.62	9.59	9.60	9.58	9.55	9.54	9.54			
180	9.33	9.32	9.29	9.30	9.30	9.28	9.28	9.27	9.50	9.49	9.47	9.47	9.47	9.44	9.45	9.44			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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: