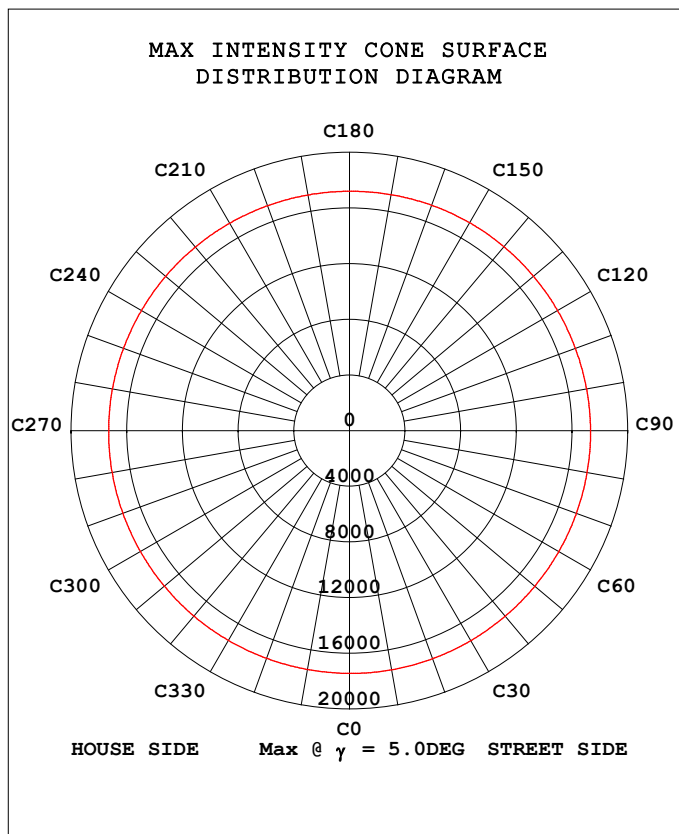
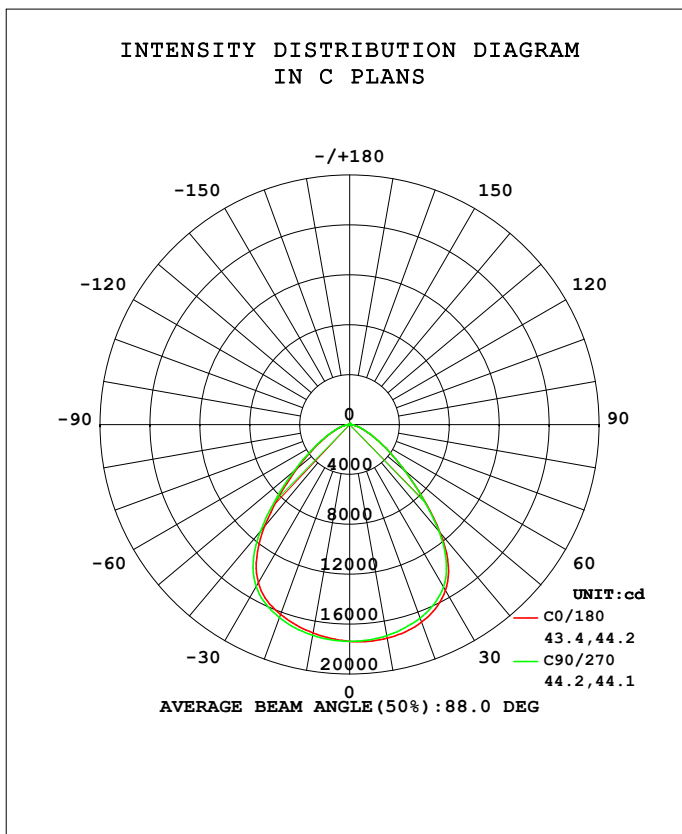


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.75 lm/W			
MODEL		Imax(cd)	17445	η street_up(%)	0.3
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	50.1
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	35016	η house_up(%)	0.1
NOMINAL FLUX(lm)	35015.6	MAXIMUM @ (C, γ)	0,5.0	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	22.239

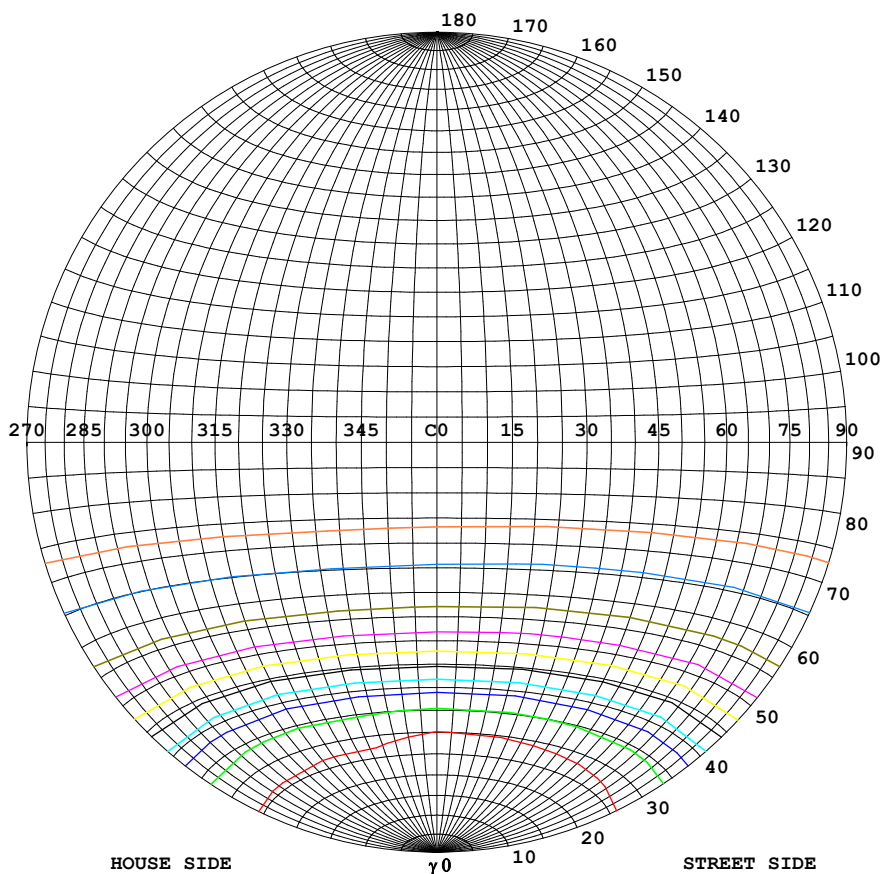


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

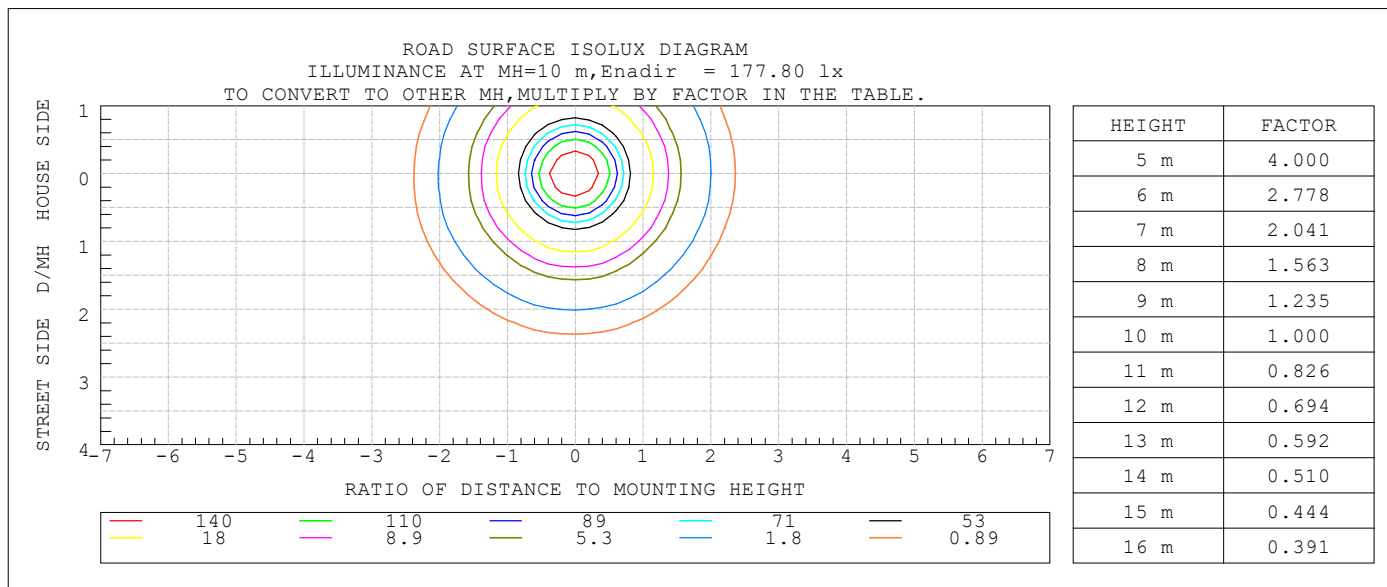
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.34cd/klm
Max.At90:0.1038cd/klm
Max.80-90:11.34cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		17445
90%		15701
80%		13956
70%		12212
60%		10467
50%		8723
40%		6978
30%		5234
20%		3489
10%		1745
5%		872

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:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

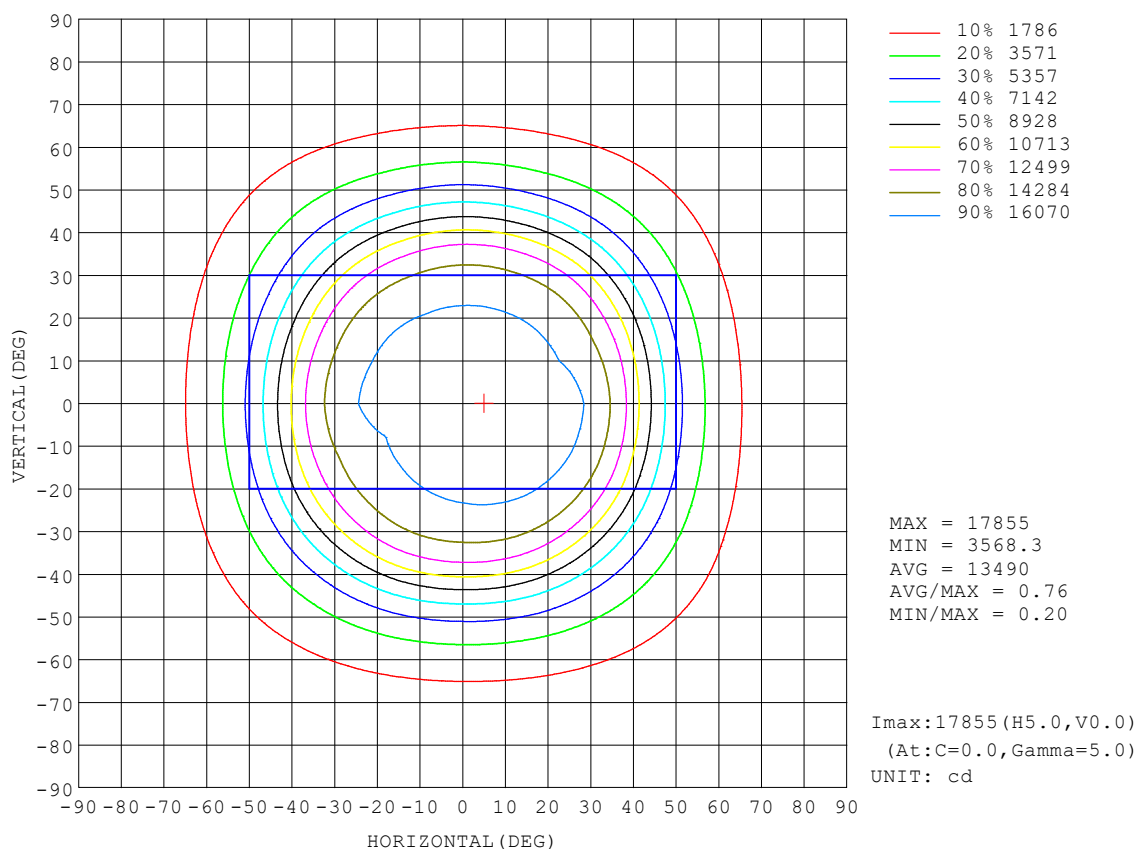
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1739	1733	1718	1707	1696	1703	1715	1732	0- 10	1649	1649	4.71,4.71
20	1685	1673	1652	1635	1620	1627	1646	1675	10- 20	4777	6426	18.4,18.4
30	1536	1527	1505	1488	1465	1475	1499	1536	20- 30	7336	13762	39.3,39.3
40	1129	1131	1114	1105	1057	1077	1112	1162	30- 40	8356	22119	63.2,63.2
50	583.0	592.4	582.4	575.2	557.7	570.0	587.8	593.8	40- 50	6386	28505	81.4,81.4
60	270.4	280.7	272.9	263.1	259.6	265.2	271.8	270.3	50- 60	3641	32146	91.8,91.8
70	115.1	119.8	115.3	111.0	110.7	112.8	114.3	113.7	60- 70	1811	33956	97,97
80	37.51	39.03	38.27	37.01	37.56	37.41	37.09	36.52	70- 80	760.4	34716	99.1,99.1
90	0.3089	0.3315	0.3484	0.3544	0.1994	0.1775	0.1585	0.1531	80- 90	157.3	34874	99.6,99.6
100	0.4967	0.5024	0.5142	0.5126	0.1069	0.1080	0.1064	0.1052	90-100	2.626	34876	99.6,99.6
110	1.066	1.086	1.115	1.139	0.1920	0.1938	0.1904	0.1862	100-110	4.821	34881	99.6,99.6
120	2.036	2.065	2.109	2.184	0.5117	0.5174	0.5096	0.5008	110-120	9.352	34891	99.6,99.6
130	3.206	3.239	3.300	3.387	1.349	1.358	1.343	1.331	120-130	15.92	34907	99.7,99.7
140	4.524	4.563	4.633	4.722	2.688	2.684	2.658	2.633	130-140	22.78	34929	99.8,99.8
150	6.033	6.070	6.129	6.206	4.329	4.309	4.273	4.242	140-150	27.57	34957	99.8,99.8
160	7.444	7.460	7.505	7.564	6.455	6.420	6.371	6.331	150-160	27.80	34985	99.9,99.9
170	8.923	8.930	8.945	8.990	8.785	8.758	8.687	8.642	160-170	22.06	35007	100,100
180	9.193	9.178	9.159	9.162	9.431	9.403	9.366	9.354	170-180	8.820	35016	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

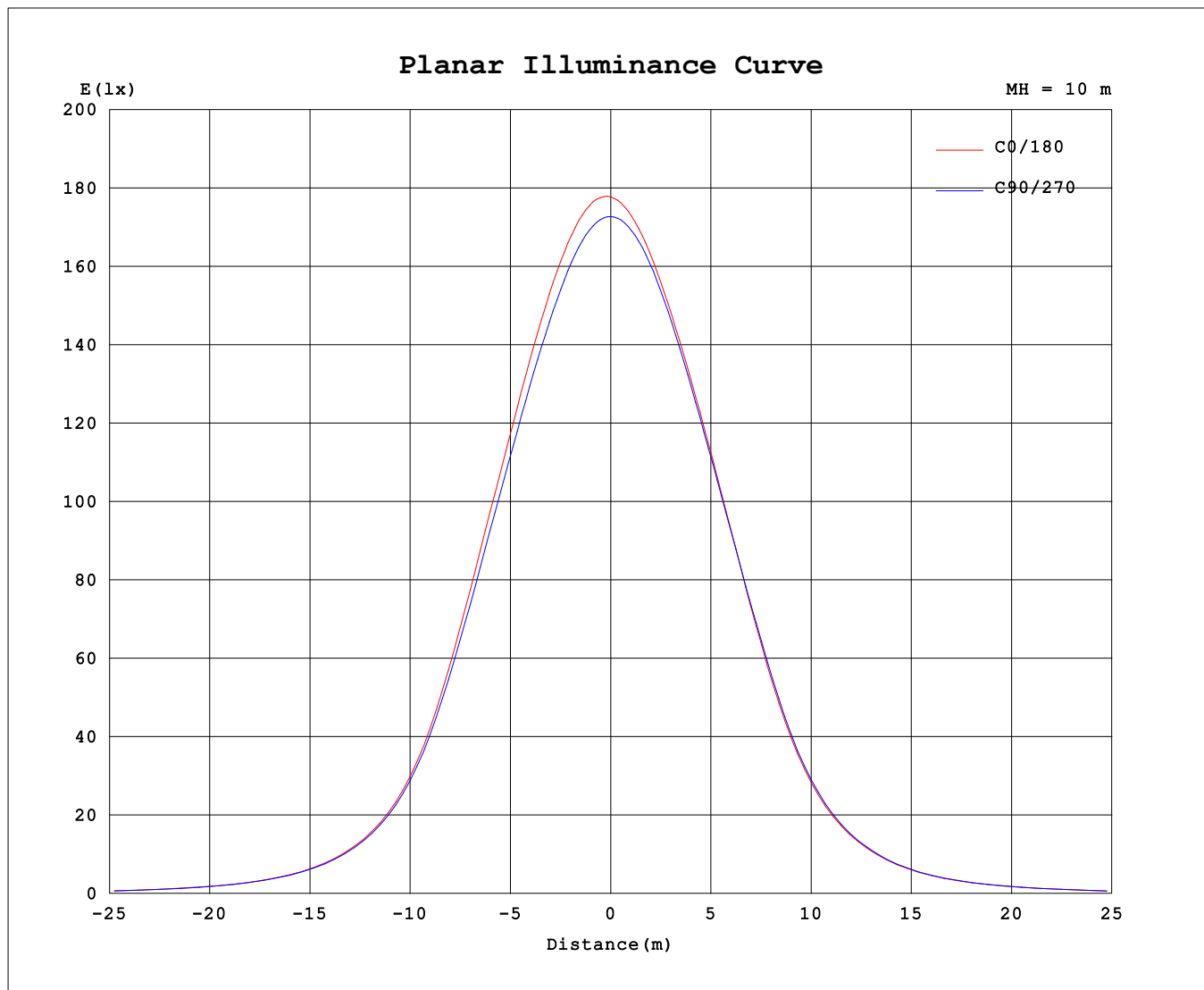
Test:U:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

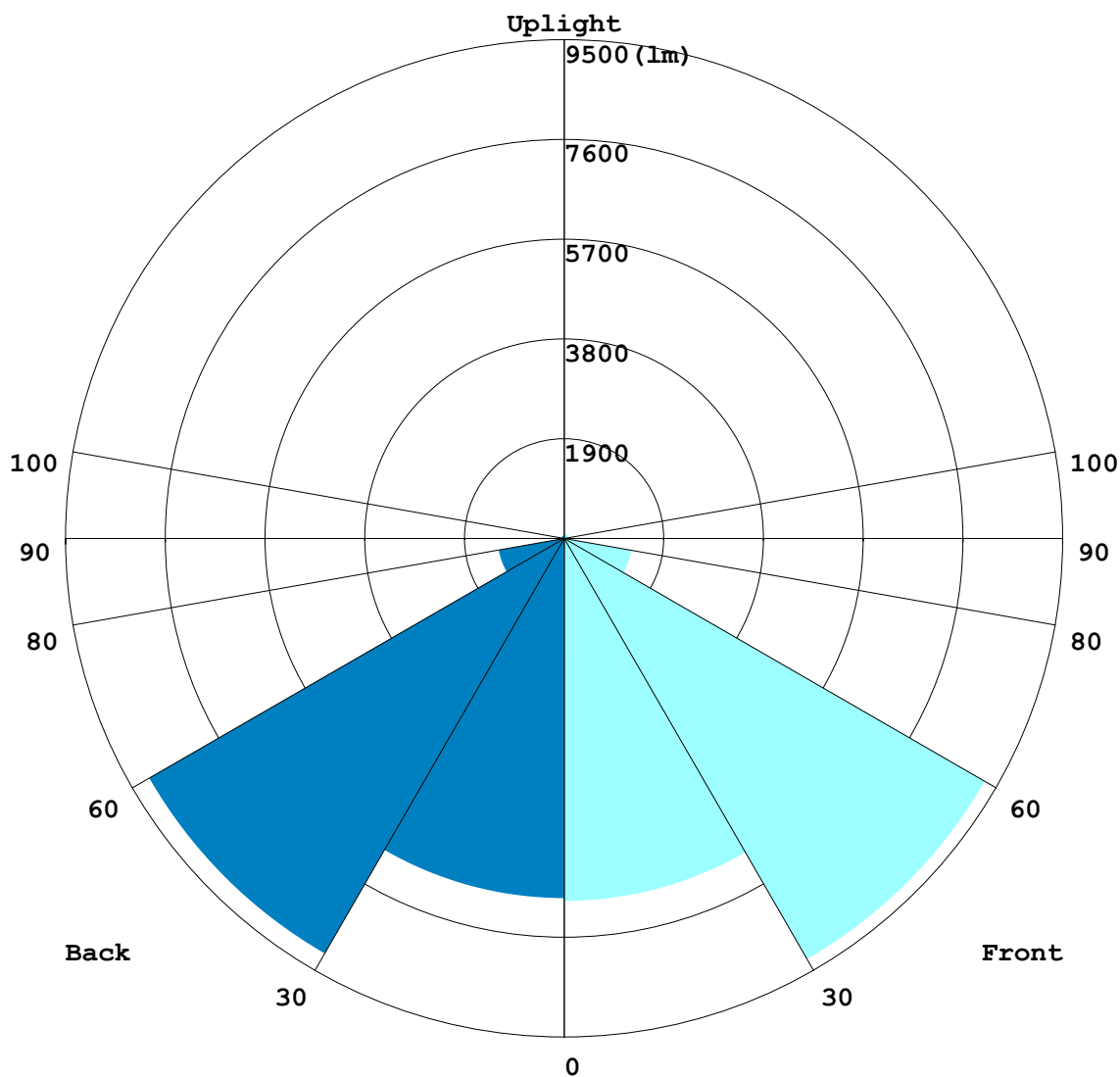


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.5℃
 Operators:DAMIN
 Test Date:2023-12-14

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:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 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:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 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)	6906.8	19.7
FM - Front-Medium(30-60)	9255.4	26.4
FH - Front-High(60-80)	1301.9	3.7
FVH - Front-Very High(80-90)	81.113	0.2
Total Forward Light	17635	50.4

BL - Back-Low(0-30)	6855.5	19.6
BM - Back-Medium(30-60)	9127.9	26.1
BH - Back-High(60-80)	1269	3.6
BVH - Back-Very High(80-90)	76.228	0.2
Total Back Light	17381	49.6

UL - Uplight-Low(90-100)	2.6264	0.0
UH - Uplight-High(100-180)	139.12	0.4
Total Up Light	141.75	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17329	52.215	17381
Street Side	17545	89.532	17635

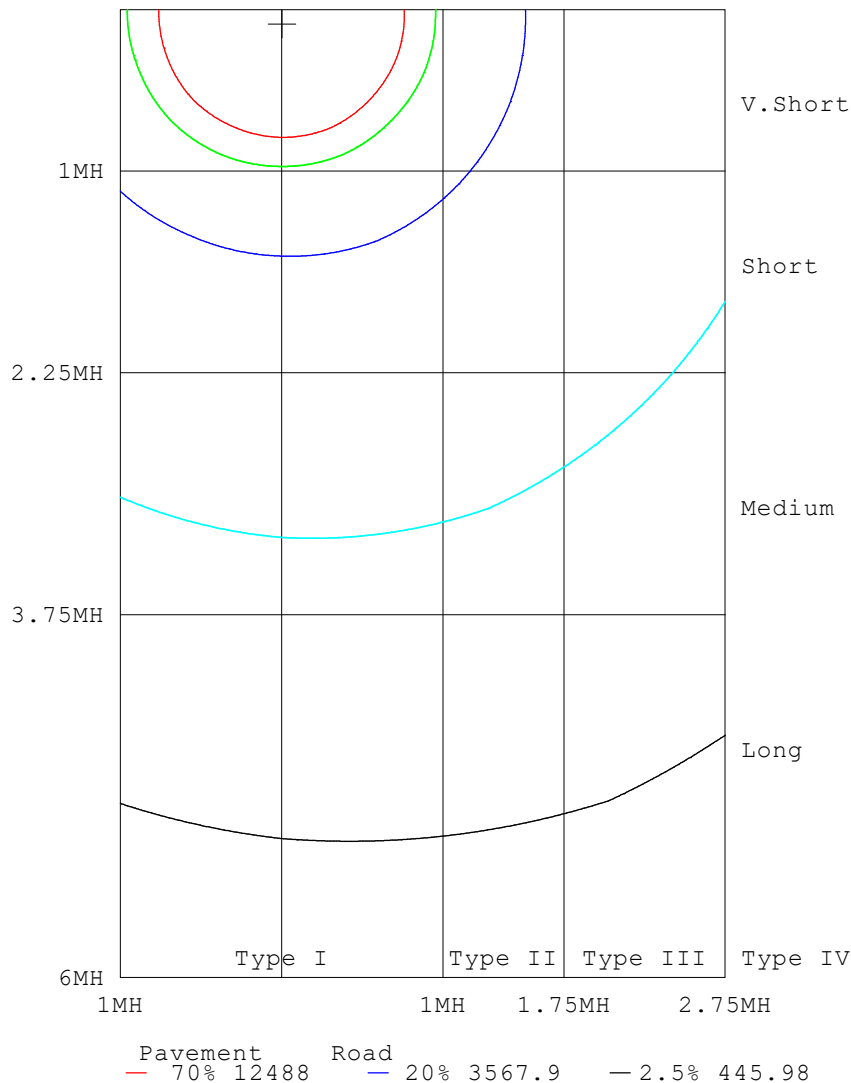
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

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:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 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: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:118.42V I:2.0729A P:245.29W PF:0.9992 Freq:60.00Hz Lamp Flux:35015.6x1 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	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737	1737			
5	1745	1744	1740	1736	1732	1727	1727	1725	1721	1721	1724	1728	1731	1734	1739	1741			
10	1739	1738	1733	1724	1718	1709	1707	1705	1696	1696	1703	1707	1715	1722	1732	1735			
15	1721	1720	1709	1701	1690	1680	1677	1674	1662	1663	1671	1677	1688	1697	1710	1717			
20	1685	1684	1673	1664	1652	1641	1635	1631	1620	1620	1627	1637	1646	1659	1675	1683			
25	1627	1629	1618	1607	1593	1585	1577	1575	1561	1560	1570	1576	1589	1599	1618	1629			
30	1536	1540	1527	1519	1505	1499	1488	1487	1465	1464	1475	1481	1499	1513	1536	1547			
35	1379	1388	1375	1369	1352	1350	1340	1339	1301	1302	1318	1326	1349	1363	1394	1405			
40	1129	1143	1131	1130	1114	1115	1105	1109	1057	1060	1077	1085	1112	1129	1162	1171			
45	826	840	832	837	821	825	818	825	784	785	802	806	827	830	854	860			
50	583	596	592	594	582	582	575	582	558	558	570	573	588	584	594	601			
55	401	416	413	411	403	400	392	397	385	385	392	393	404	397	404	409			
60	270	282	281	277	273	269	263	265	260	260	265	265	272	266	270	273			
65	181	189	188	185	182	179	175	176	174	174	177	177	180	177	179	181			
70	115	121	120	118	115	114	111	111	111	110	113	113	114	113	114	115			
75	71.0	74.2	73.5	72.9	70.9	70.8	68.2	68.0	68.8	67.8	69.4	69.1	70.2	69.3	69.4	69.7			
80	37.5	39.7	39.0	39.1	38.3	38.6	37.0	36.8	37.6	36.6	37.4	36.8	37.1	36.4	36.5	36.3			
85	12.4	13.4	13.3	13.9	13.5	14.1	13.4	13.5	13.6	12.8	13.0	12.2	12.4	11.8	12.0	11.6			
90	0.31	0.33	0.33	0.35	0.35	0.36	0.35	0.36	0.20	0.17	0.18	0.16	0.16	0.15	0.15	0.15			
95	0.35	0.35	0.35	0.36	0.36	0.36	0.35	0.37	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			
100	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.52	0.11	0.10	0.11	0.10	0.11	0.11	0.11	0.10			
105	0.74	0.74	0.75	0.75	0.77	0.76	0.77	0.78	0.14	0.14	0.14	0.13	0.14	0.13	0.14	0.13			
110	1.07	1.08	1.09	1.10	1.12	1.12	1.14	1.16	0.19	0.19	0.19	0.19	0.19	0.18	0.19	0.18			
115	1.50	1.52	1.53	1.54	1.57	1.59	1.63	1.65	0.29	0.30	0.30	0.30	0.29	0.29	0.28	0.28			
120	2.04	2.05	2.07	2.08	2.11	2.14	2.18	2.21	0.51	0.53	0.52	0.53	0.51	0.51	0.50	0.51			
125	2.60	2.61	2.63	2.65	2.69	2.72	2.77	2.80	0.85	0.87	0.85	0.86	0.84	0.84	0.84	0.84			
130	3.21	3.22	3.24	3.26	3.30	3.33	3.39	3.42	1.35	1.38	1.36	1.36	1.34	1.34	1.33	1.34			
135	3.84	3.85	3.87	3.89	3.94	3.97	4.03	4.06	1.98	2.02	1.98	2.00	1.96	1.97	1.95	1.96			
140	4.52	4.54	4.56	4.58	4.63	4.66	4.72	4.75	2.69	2.71	2.68	2.69	2.66	2.65	2.63	2.64			
145	5.27	5.29	5.31	5.33	5.38	5.40	5.46	5.49	3.50	3.52	3.49	3.48	3.46	3.44	3.43	3.43			
150	6.03	6.06	6.07	6.09	6.13	6.15	6.21	6.25	4.33	4.35	4.31	4.30	4.27	4.25	4.24	4.24			
155	6.74	6.78	6.77	6.80	6.82	6.85	6.89	6.93	5.34	5.35	5.31	5.29	5.27	5.24	5.24	5.24			
160	7.44	7.48	7.46	7.49	7.51	7.53	7.56	7.61	6.45	6.45	6.42	6.40	6.37	6.34	6.33	6.34			
165	8.13	8.18	8.15	8.18	8.18	8.19	8.23	8.27	7.71	7.71	7.67	7.63	7.61	7.57	7.56	7.57			
170	8.92	8.98	8.93	8.95	8.94	8.95	8.99	9.02	8.78	8.77	8.76	8.70	8.69	8.63	8.64	8.64			
175	9.47	9.53	9.46	9.50	9.46	9.47	9.48	9.52	9.55	9.52	9.53	9.46	9.47	9.42	9.44	9.44			
180	9.19	9.25	9.18	9.20	9.16	9.17	9.16	9.19	9.43	9.36	9.40	9.33	9.37	9.31	9.35	9.33			

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: