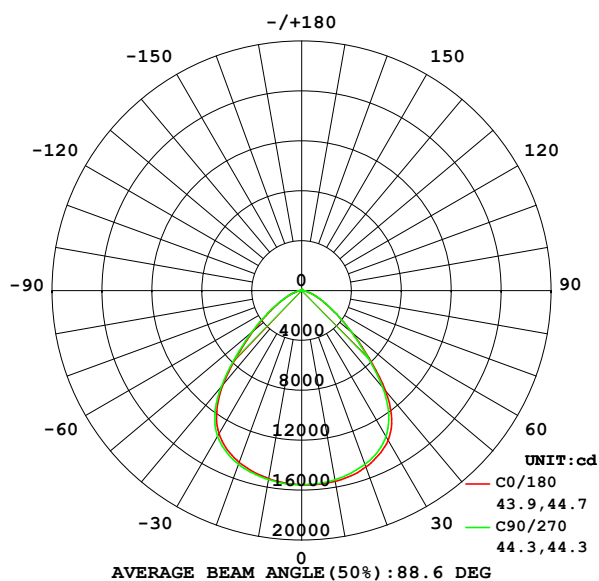
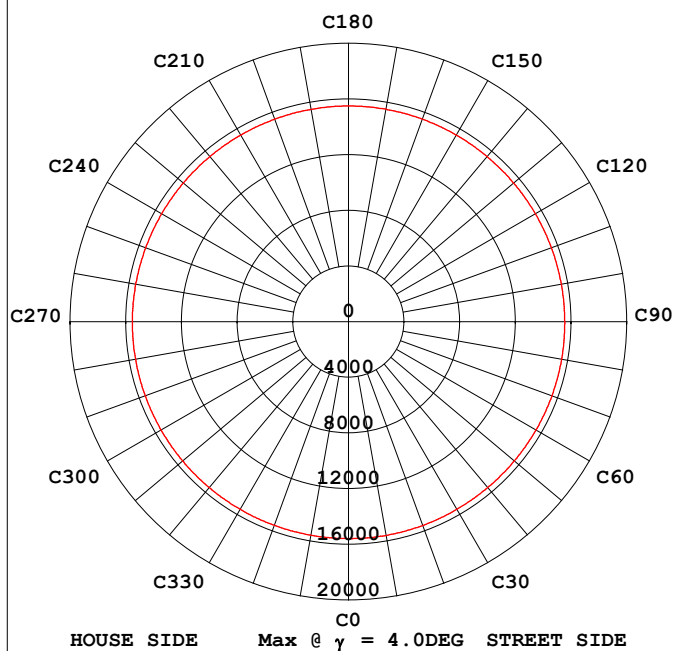


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.67 lm/W			
MODEL		Imax (cd)	15588	η street_up (%)	0.3
NOMINAL POWER (W)	240	LOR (%)	100.0	η street_down (%)	50.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	31507	η house_up (%)	0.1
NOMINAL FLUX (lm)	31507.5	MAXIMUM @ (C, γ)	0,4.0	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	22.023

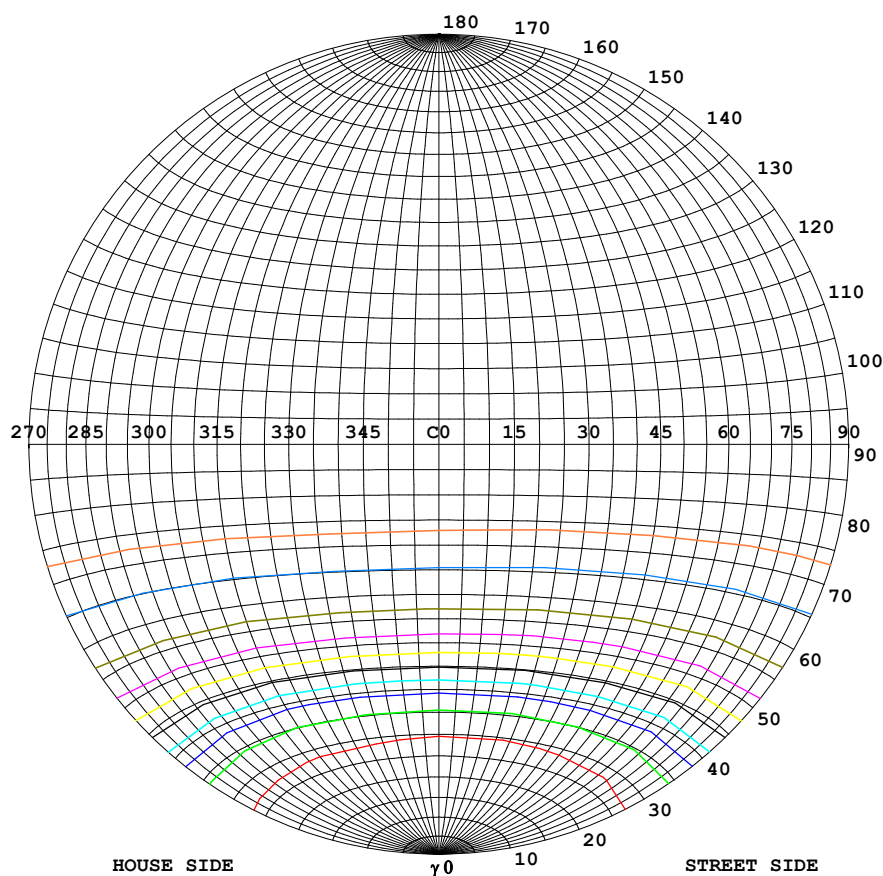
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.4℃
 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:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



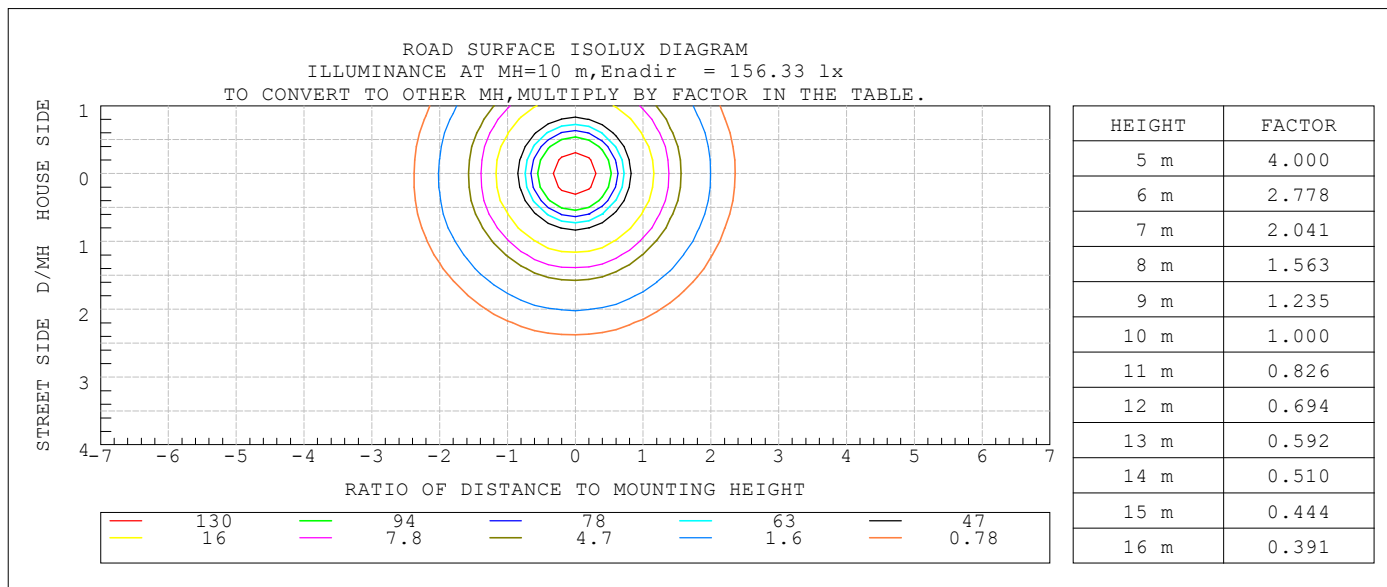
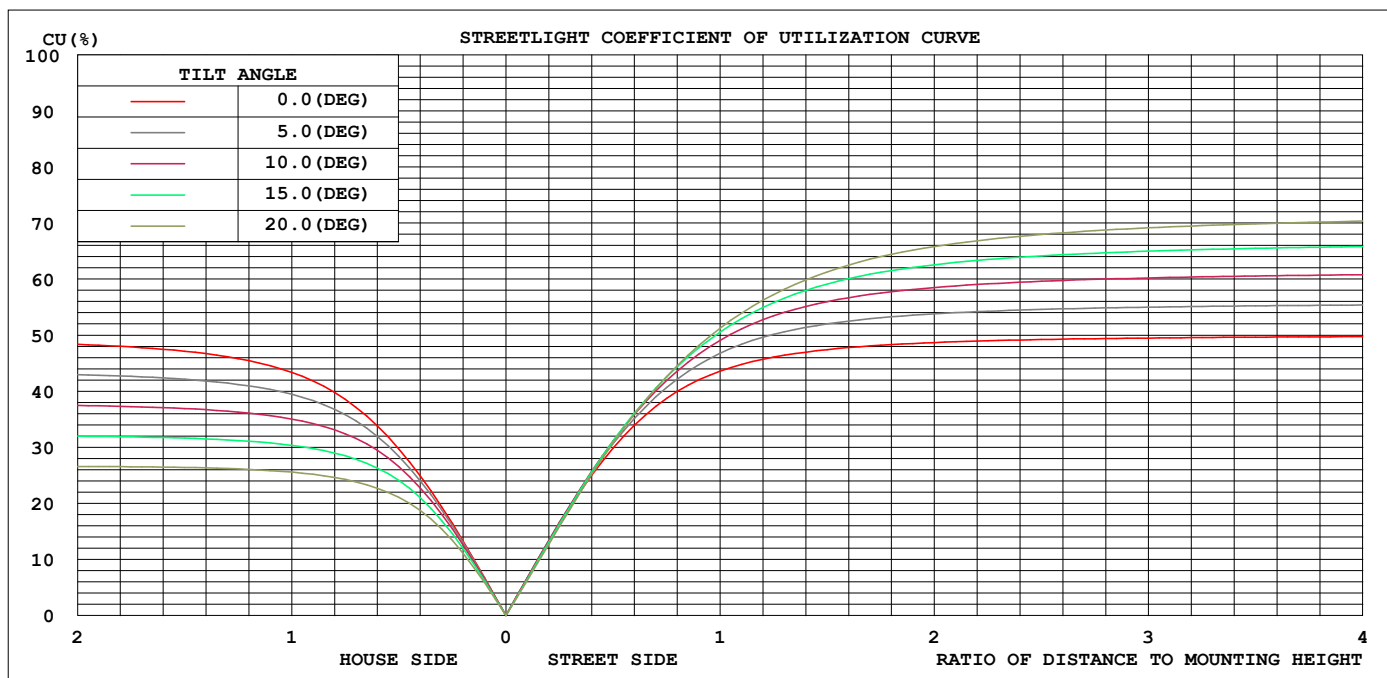
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:10.98cd/klm
Max.At90:0.1014cd/klm
Max.80-90:10.98cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		15588
90%		14029
80%		12470
70%		10912
60%		9353
50%		7794
40%		6235
30%		4676
20%		3118
10%		1559
5%		779

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
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: 23.4 °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:

ZONAL FLUX DIAGRAM

Test:U:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

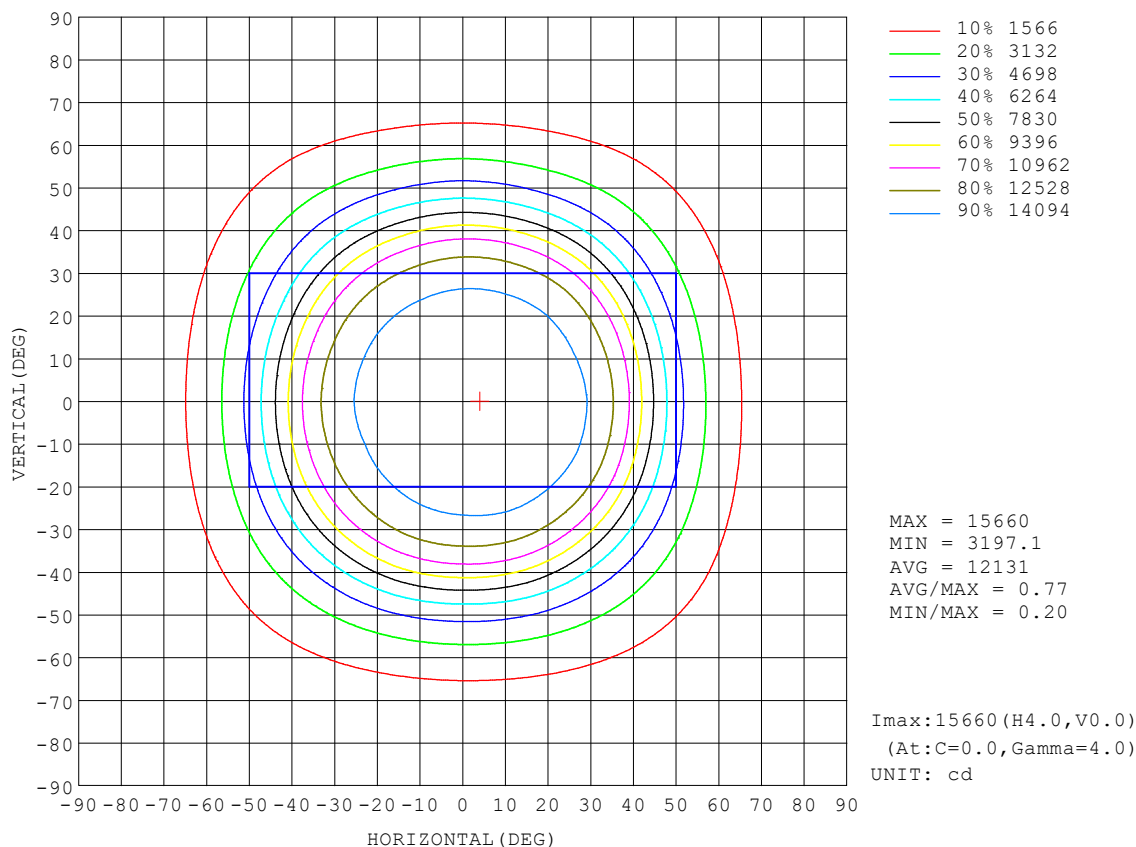
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1553	1547	1540	1532	1530	1531	1538	1547	0- 10	1478	1478	4.69,4.69
20	1505	1497	1482	1471	1465	1469	1481	1497	10- 20	4288	5766	18.3,18.3
30	1387	1378	1351	1335	1326	1330	1349	1376	20- 30	6592	12358	39.2,39.2
40	1043	1029	1007	991.1	979.6	980.1	1004	1042	30- 40	7543	19902	63.2,63.2
50	532.8	536.5	525.7	516.6	514.0	519.3	531.8	532.3	40- 50	5785	25686	81.5,81.5
60	243.5	252.2	245.4	237.1	233.2	238.4	241.7	242.0	50- 60	3278	28965	91.9,91.9
70	102.4	106.4	102.7	98.99	97.45	100.7	100.4	100.9	60- 70	1611	30576	97,97
80	32.42	34.19	33.47	32.62	32.27	32.79	32.15	31.83	70- 80	668.3	31244	99.2,99.2
90	0.2693	0.2903	0.3068	0.3124	0.1661	0.1552	0.1399	0.1337	80- 90	136.2	31380	99.6,99.6
100	0.4439	0.4534	0.4578	0.4570	0.0950	0.0954	0.0942	0.0936	90-100	2.328	31382	99.6,99.6
110	0.9814	0.9886	1.010	1.023	0.1710	0.1721	0.1689	0.1647	100-110	4.323	31387	99.6,99.6
120	1.871	1.870	1.902	1.955	0.4638	0.4668	0.4564	0.4446	110-120	8.440	31395	99.6,99.6
130	2.927	2.925	2.971	3.034	1.240	1.237	1.215	1.189	120-130	14.37	31410	99.7,99.7
140	4.127	4.123	4.161	4.224	2.448	2.435	2.394	2.352	130-140	20.54	31430	99.8,99.8
150	5.465	5.462	5.501	5.559	3.893	3.874	3.833	3.783	140-150	24.80	31455	99.8,99.8
160	6.684	6.662	6.728	6.785	5.810	5.782	5.721	5.656	150-160	24.94	31480	99.9,99.9
170	7.996	7.960	8.027	8.063	7.822	7.757	7.767	7.705	160-170	19.74	31500	100,100
180	8.205	8.175	8.224	8.203	8.367	8.326	8.385	8.358	170-180	7.870	31507	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
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

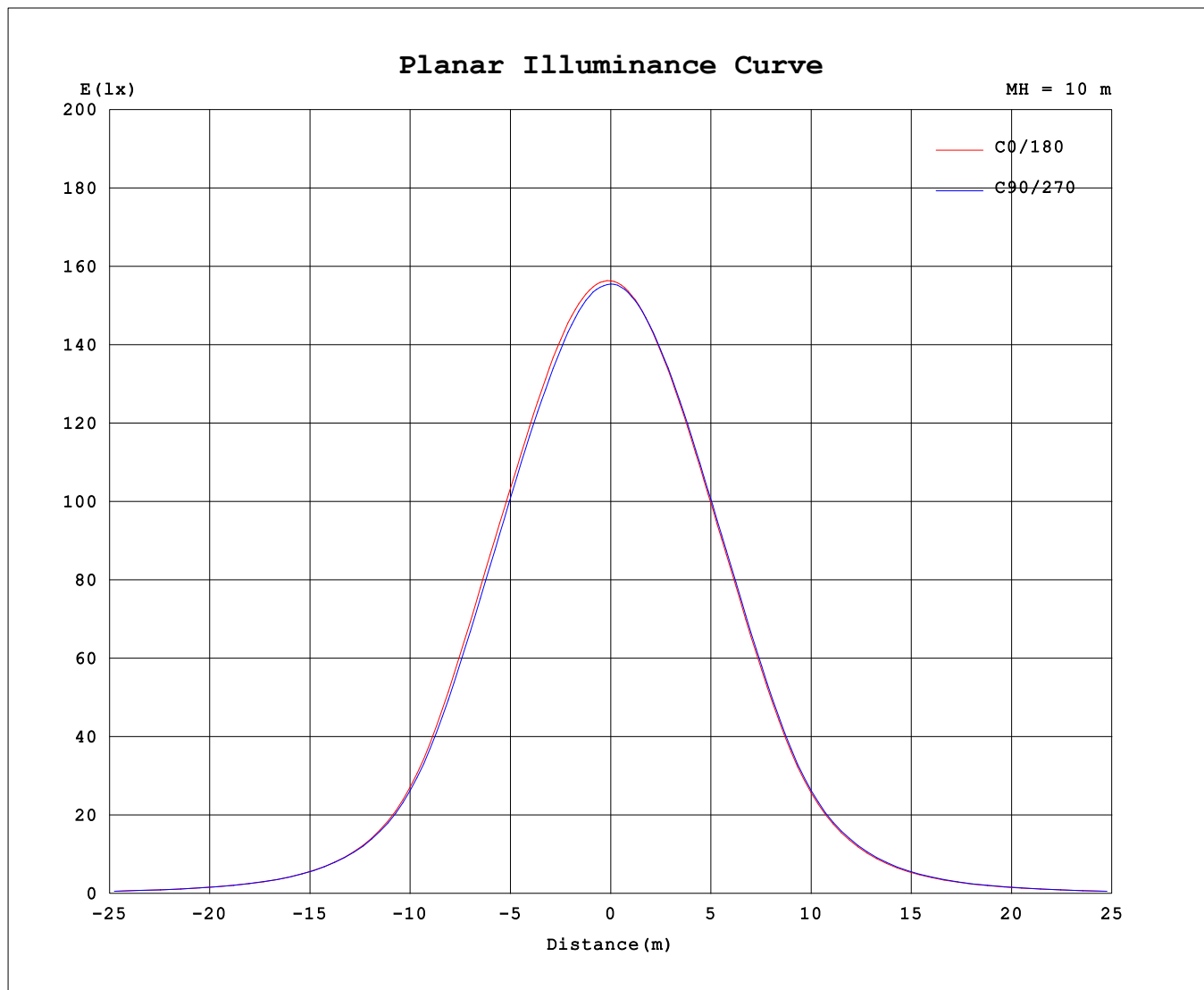
Test:U:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
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

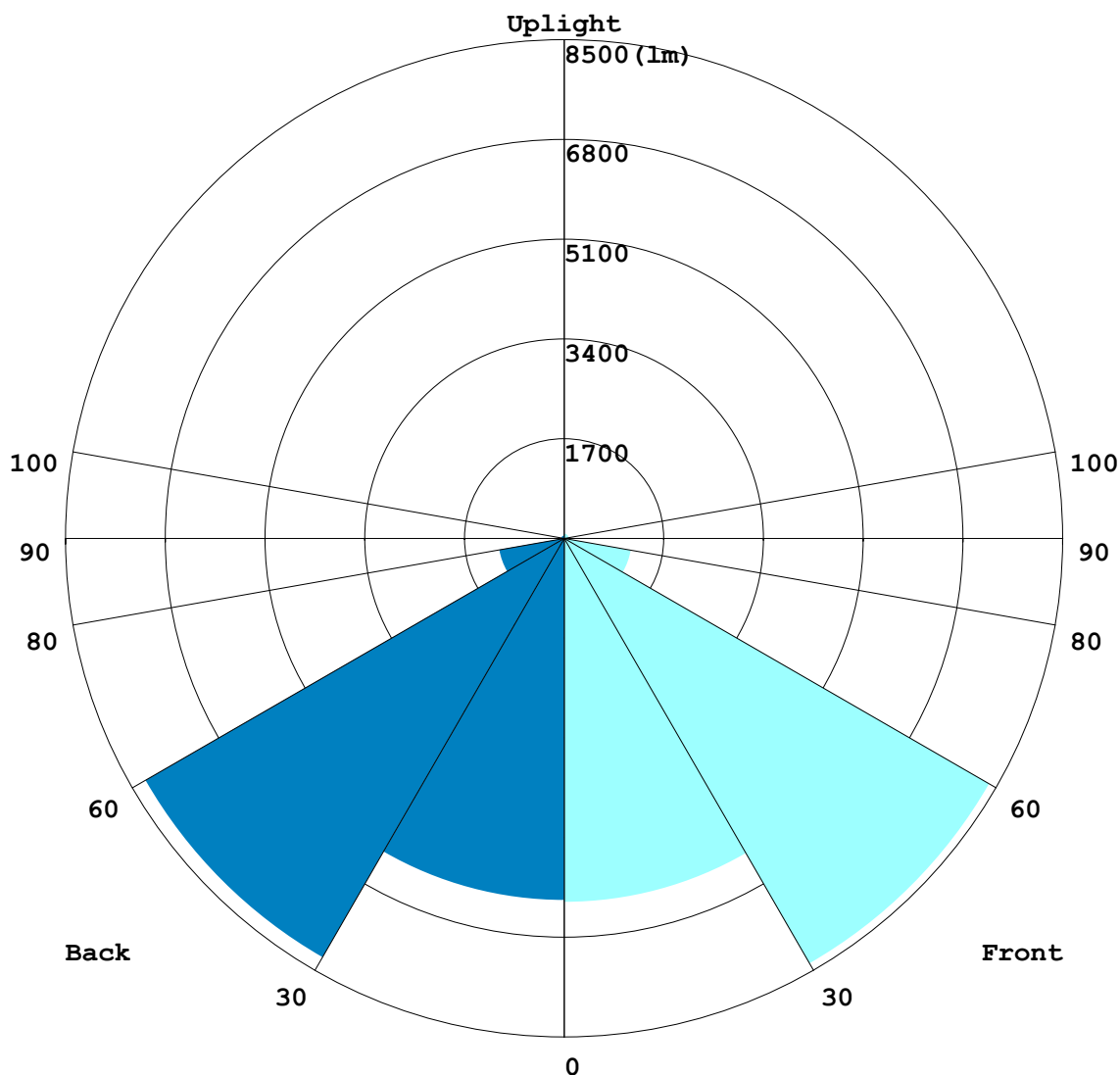


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4 °C
Operators: DAMIN
Test Date: 2023-12-14

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:

LCS REPORT

Test:U:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 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: 23.4℃
 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:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 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)	6196.1	19.7
FM - Front-Medium(30-60)	8365.4	26.6
FH - Front-High(60-80)	1157	3.7
FVH - Front-Very High(80-90)	70.412	0.2
Total Forward Light	15869	50.4

BL - Back-Low(0-30)	6162.4	19.6
BM - Back-Medium(30-60)	8240.8	26.2
BH - Back-High(60-80)	1122.4	3.6
BVH - Back-Very High(80-90)	65.772	0.2
Total Back Light	15638	49.6

UL - Uplight-Low(90-100)	2.3278	0.0
UH - Uplight-High(100-180)	125.02	0.4
Total Up Light	127.35	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15591	46.863	15638
Street Side	15789	80.488	15869

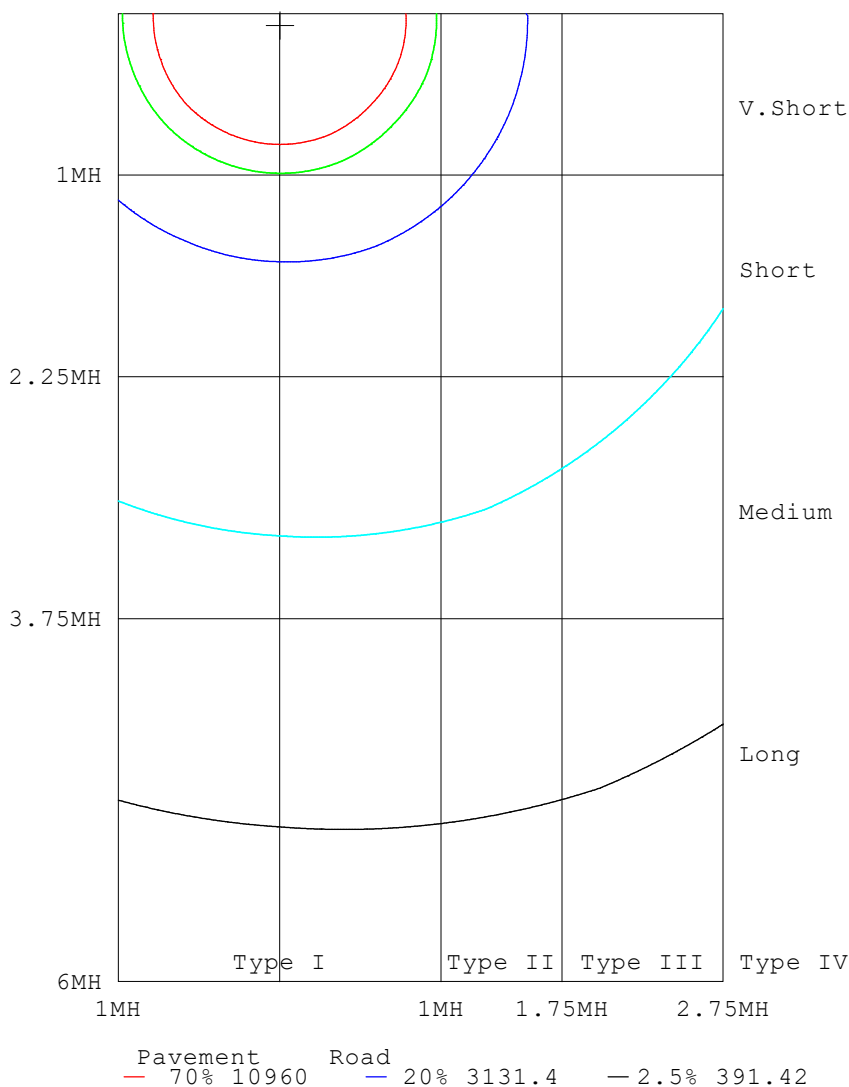
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-14

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:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 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: 23.4 °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:118.44V I:2.0532A P:242.98W PF:0.9992 Freq:60.00Hz Lamp Flux:31507.5x1 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	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556	1556			
5	1559	1558	1556	1555	1553	1551	1548	1547	1548	1547	1548	1549	1552	1554	1556	1557			
10	1553	1553	1547	1545	1540	1537	1532	1531	1530	1529	1531	1535	1538	1542	1547	1551			
15	1537	1536	1529	1525	1516	1512	1506	1505	1503	1503	1506	1510	1516	1522	1529	1534			
20	1505	1505	1497	1491	1482	1478	1471	1468	1465	1464	1469	1475	1481	1487	1497	1502			
25	1457	1459	1451	1446	1433	1426	1417	1412	1409	1408	1413	1418	1429	1438	1450	1455			
30	1387	1390	1378	1369	1351	1345	1335	1333	1326	1324	1330	1334	1349	1359	1376	1384			
35	1257	1261	1246	1238	1219	1213	1200	1195	1189	1182	1190	1196	1214	1230	1251	1258			
40	1043	1046	1029	1026	1007	1006	991	991	980	973	980	983	1004	1018	1042	1046			
45	765	770	759	763	744	745	734	734	724	716	727	729	745	748	762	766			
50	533	541	537	539	526	526	517	520	514	506	519	519	532	523	532	530			
55	365	374	373	373	365	360	353	353	349	349	355	355	363	355	363	362			
60	244	253	252	250	245	240	237	234	233	233	238	237	242	237	242	241			
65	161	168	167	165	163	159	157	154	155	154	159	157	159	157	160	158			
70	102	107	106	105	103	101	99.0	96.9	97.5	97.4	101	99.1	100	99.5	101	99.8			
75	62.1	65.3	64.7	64.7	62.7	62.5	60.3	59.4	59.8	59.6	61.7	60.7	61.1	60.7	61.0	60.4			
80	32.4	34.3	34.2	34.6	33.5	34.0	32.6	32.2	32.3	31.8	32.8	32.1	32.2	31.8	31.8	31.4			
85	10.6	11.5	11.5	12.1	11.8	12.3	11.7	11.7	11.5	11.0	11.3	10.5	10.7	10.2	10.4	10.02			
90	0.27	0.29	0.29	0.31	0.31	0.32	0.31	0.32	0.17	0.15	0.16	0.14	0.14	0.13	0.13	0.13			
95	0.31	0.31	0.31	0.32	0.31	0.32	0.31	0.32	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
100	0.44	0.45	0.45	0.46	0.46	0.45	0.46	0.46	0.10	0.09	0.10	0.09	0.09	0.09	0.09	0.09			
105	0.67	0.67	0.68	0.68	0.69	0.68	0.69	0.69	0.13	0.12	0.13	0.12	0.12	0.12	0.12	0.11			
110	0.98	0.98	0.99	0.99	1.01	1.01	1.02	1.03	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16			
115	1.39	1.39	1.39	1.40	1.42	1.43	1.45	1.47	0.26	0.27	0.27	0.26	0.26	0.25	0.25	0.25			
120	1.87	1.87	1.87	1.88	1.90	1.93	1.95	1.98	0.46	0.48	0.47	0.47	0.46	0.46	0.44	0.45			
125	2.38	2.38	2.38	2.39	2.42	2.44	2.48	2.50	0.78	0.79	0.78	0.78	0.76	0.76	0.74	0.75			
130	2.93	2.92	2.92	2.94	2.97	3.00	3.03	3.06	1.24	1.26	1.24	1.23	1.21	1.20	1.19	1.19			
135	3.50	3.49	3.50	3.50	3.54	3.56	3.61	3.63	1.81	1.84	1.80	1.81	1.77	1.76	1.74	1.75			
140	4.13	4.11	4.12	4.12	4.16	4.17	4.22	4.24	2.45	2.47	2.44	2.43	2.39	2.38	2.35	2.36			
145	4.80	4.79	4.79	4.79	4.83	4.83	4.89	4.91	3.16	3.19	3.15	3.15	3.11	3.08	3.06	3.07			
150	5.47	5.47	5.46	5.47	5.50	5.50	5.56	5.59	3.89	3.92	3.87	3.86	3.83	3.79	3.78	3.79			
155	6.08	6.09	6.06	6.09	6.12	6.12	6.17	6.21	4.81	4.82	4.78	4.76	4.74	4.69	4.68	4.68			
160	6.68	6.69	6.66	6.70	6.73	6.73	6.78	6.81	5.81	5.83	5.78	5.76	5.72	5.68	5.66	5.66			
165	7.28	7.27	7.25	7.30	7.33	7.34	7.38	7.40	6.92	6.94	6.88	6.85	6.81	6.77	6.73	6.74			
170	8.00	7.96	7.96	8.01	8.03	8.01	8.06	8.04	7.82	7.76	7.76	7.79	7.77	7.73	7.70	7.70			
175	8.47	8.45	8.43	8.50	8.50	8.48	8.50	8.48	8.48	8.42	8.44	8.48	8.48	8.45	8.43	8.42			
180	8.21	8.17	8.17	8.23	8.22	8.21	8.20	8.18	8.37	8.30	8.33	8.38	8.38	8.36	8.36	8.33			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
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: