

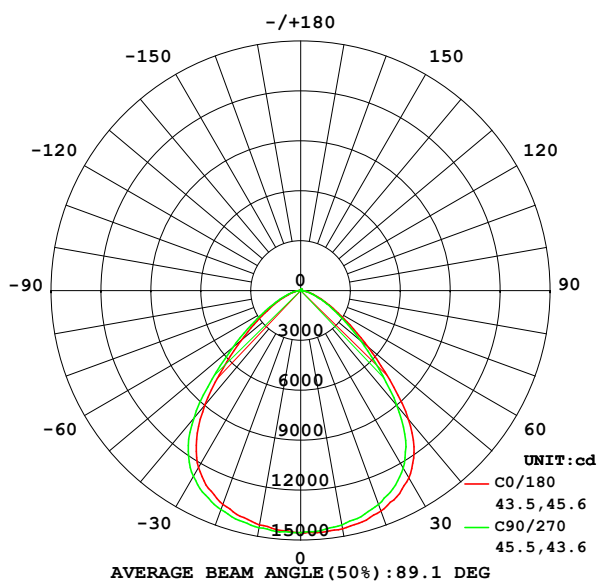
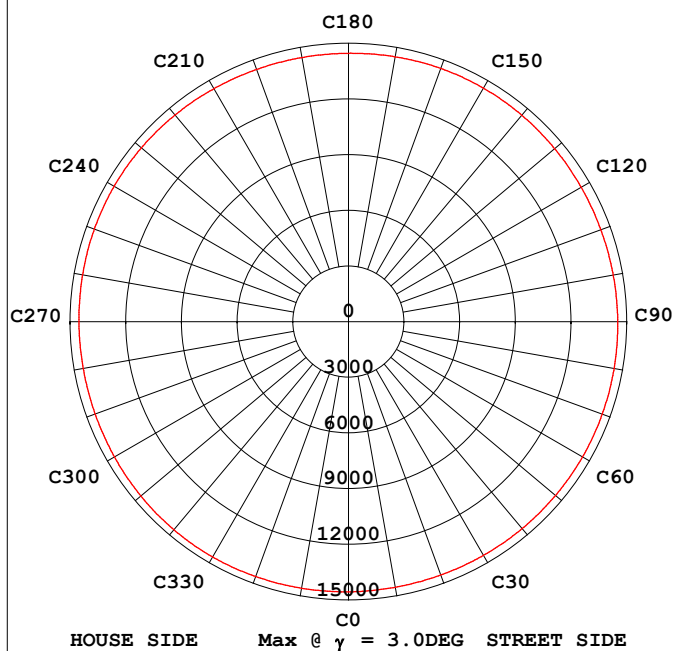
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz

Lamp Flux:29734.6x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 158.27 lm/W
MODEL		I _{max} (cd)	14631	η street_up (%)	0.3	
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	49.0	
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	29735	η house_up (%)	0.1	
NOMINAL FLUX (lm)	29734.6	MAXIMUM @ (C, γ)	315, 3.0	η house_down (%)	50.6	
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	22.003	

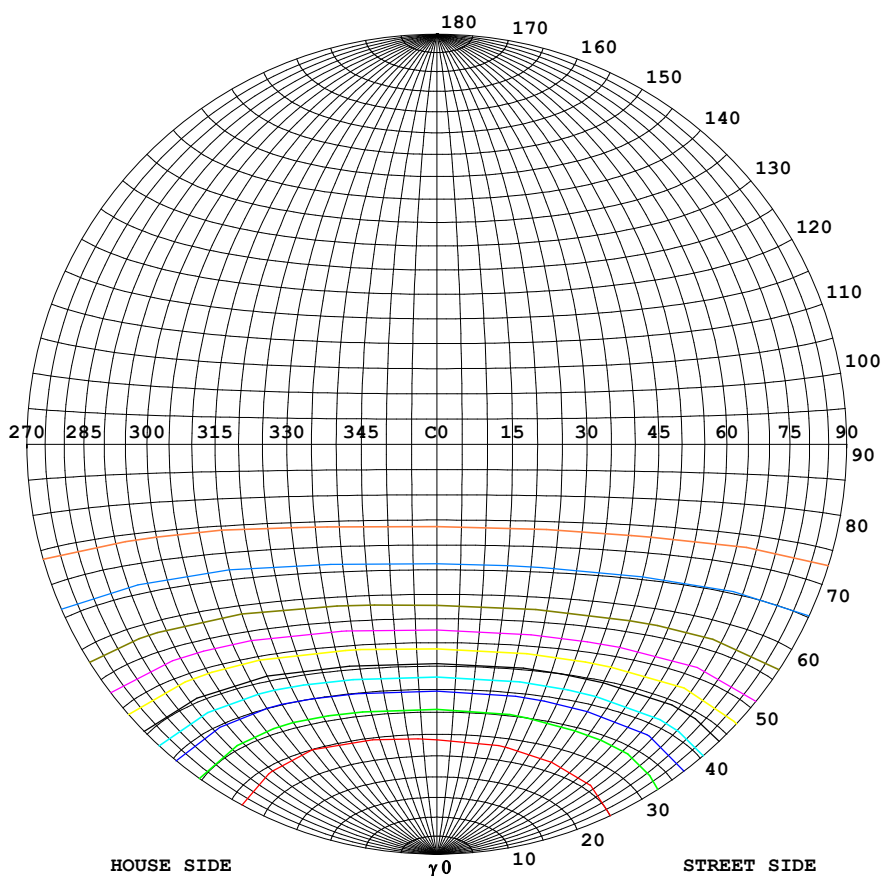
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

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:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

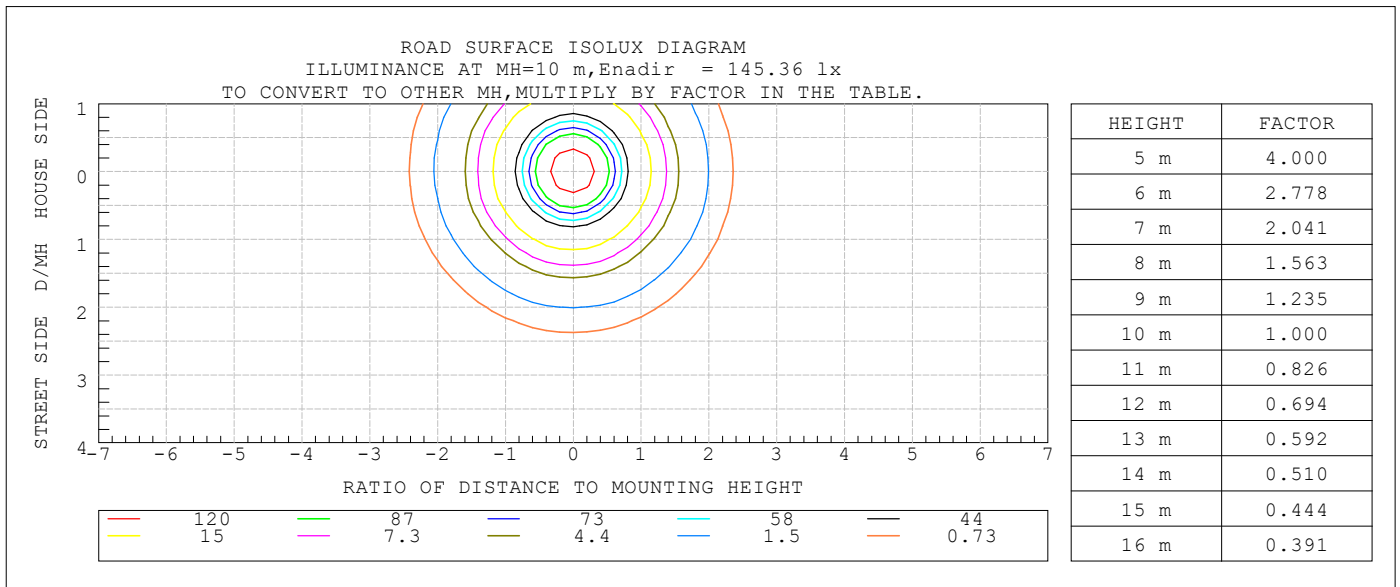
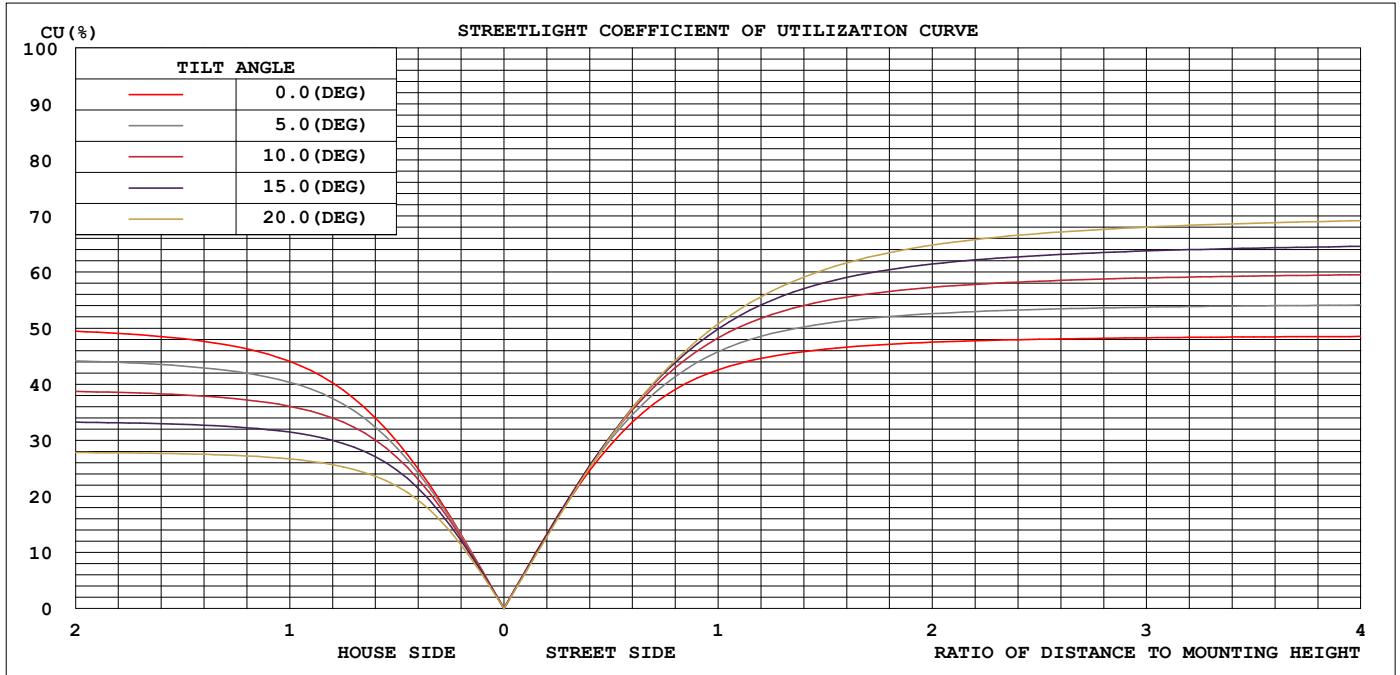
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:12.14cd/klm
Max.At90:0.0990cd/klm
Max.80-90:12.14cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		14631
— 90%		13168
— 80%		11705
— 70%		10242
— 60%		8779
— 50%		7316
— 40%		5853
— 30%		4389
— 20%		2926
— 10%		1463
— 5%		732

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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Operators:DAMIN
Test Date:2023-12-15

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: 2023-12-15

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:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

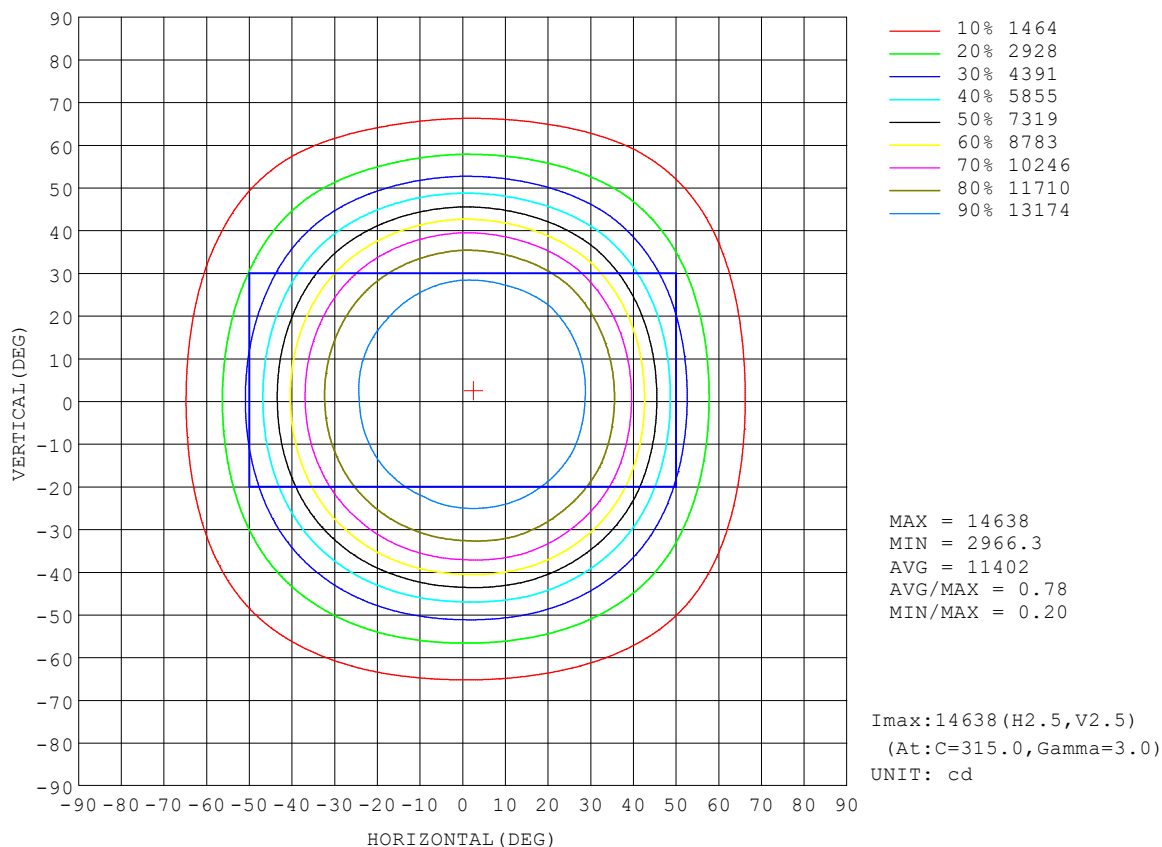
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1454	1442	1431	1425	1430	1438	1447	1457	0- 10	1382	1382	4.65,4.65
20	1411	1389	1368	1357	1368	1383	1401	1421	10- 20	4010	5392	18.1,18.1
30	1301	1268	1235	1213	1228	1261	1289	1315	20- 30	6156	11547	38.8,38.8
40	1008	961.3	900.1	869.1	895.4	951.7	999.2	1027	30- 40	7054	18601	62.6,62.6
50	533.0	501.4	475.0	460.8	467.7	507.2	533.2	555.7	40- 50	5508	24109	81.1,81.1
60	244.1	231.0	223.8	220.0	217.3	233.5	244.3	257.1	50- 60	3154	27263	91.7,91.7
70	103.8	96.92	94.96	91.30	91.28	97.91	103.7	109.9	60- 70	1562	28825	96.9,96.9
80	33.99	31.64	30.87	29.81	29.99	31.69	33.94	36.10	70- 80	653.8	29479	99.1,99.1
90	0.2911	0.2845	0.2767	0.2760	0.1331	0.1523	0.1687	0.1701	80- 90	135.1	29614	99.6,99.6
100	0.4097	0.4382	0.4626	0.4850	0.0890	0.0883	0.0858	0.0860	90-100	2.287	29616	99.6,99.6
110	0.9028	0.9667	1.022	1.061	0.1653	0.1586	0.1552	0.1513	100-110	4.256	29621	99.6,99.6
120	1.720	1.808	1.892	1.947	0.4540	0.4325	0.4164	0.4059	110-120	8.220	29629	99.6,99.6
130	2.701	2.803	2.892	2.958	1.204	1.152	1.090	1.066	120-130	13.72	29643	99.7,99.7
140	3.814	3.917	3.994	4.072	2.331	2.243	2.152	2.120	130-140	19.38	29662	99.8,99.8
150	5.071	5.167	5.220	5.305	3.704	3.604	3.507	3.487	140-150	23.28	29685	99.8,99.8
160	6.236	6.293	6.365	6.405	5.475	5.379	5.237	5.226	150-160	23.38	29709	99.9,99.9
170	7.469	7.532	7.535	7.598	7.350	7.287	7.211	7.158	160-170	18.49	29727	100,100
180	7.680	7.696	7.661	7.667	7.824	7.844	7.805	7.812	170-180	7.379	29735	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:2023-12-15

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

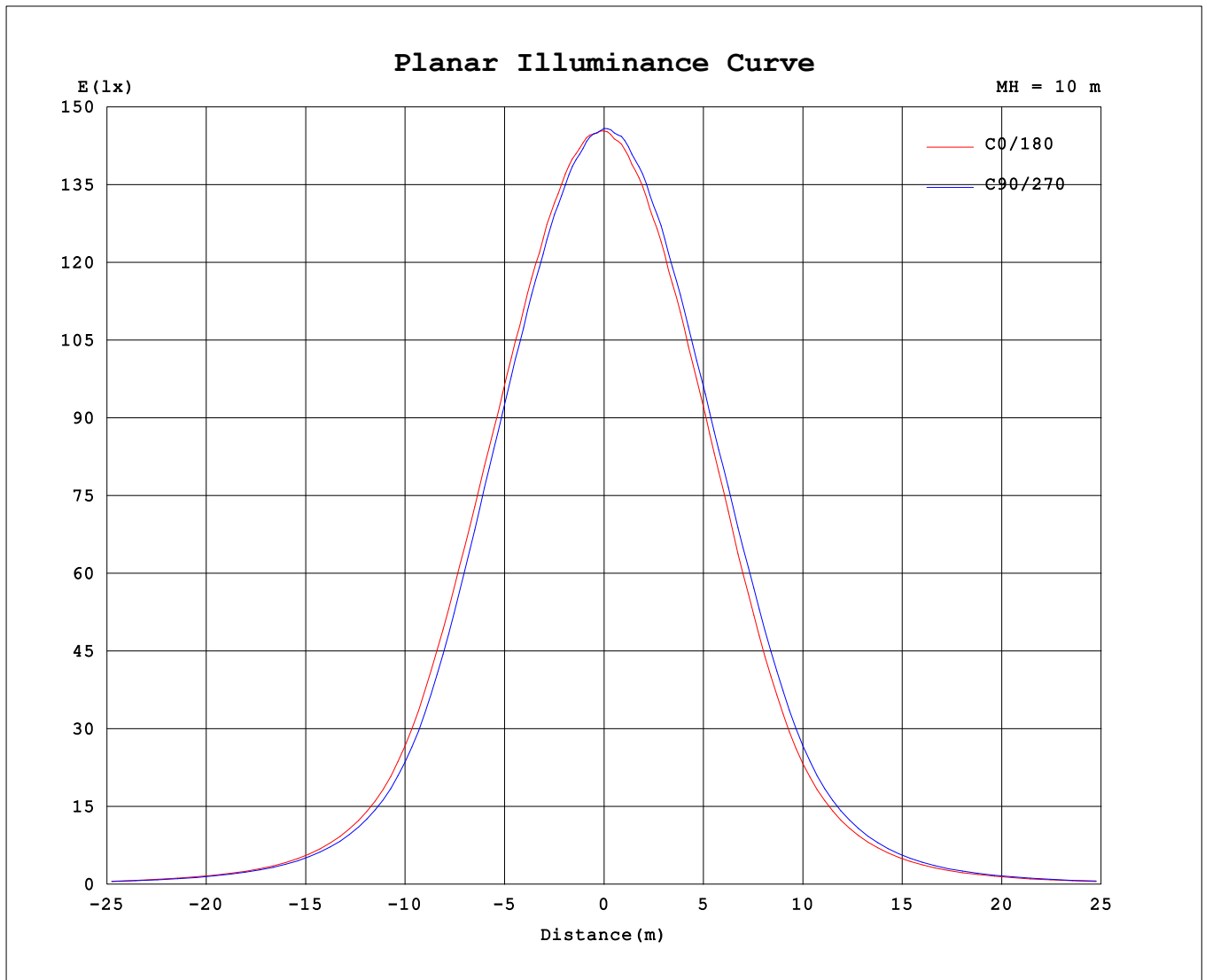
Test:U:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

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



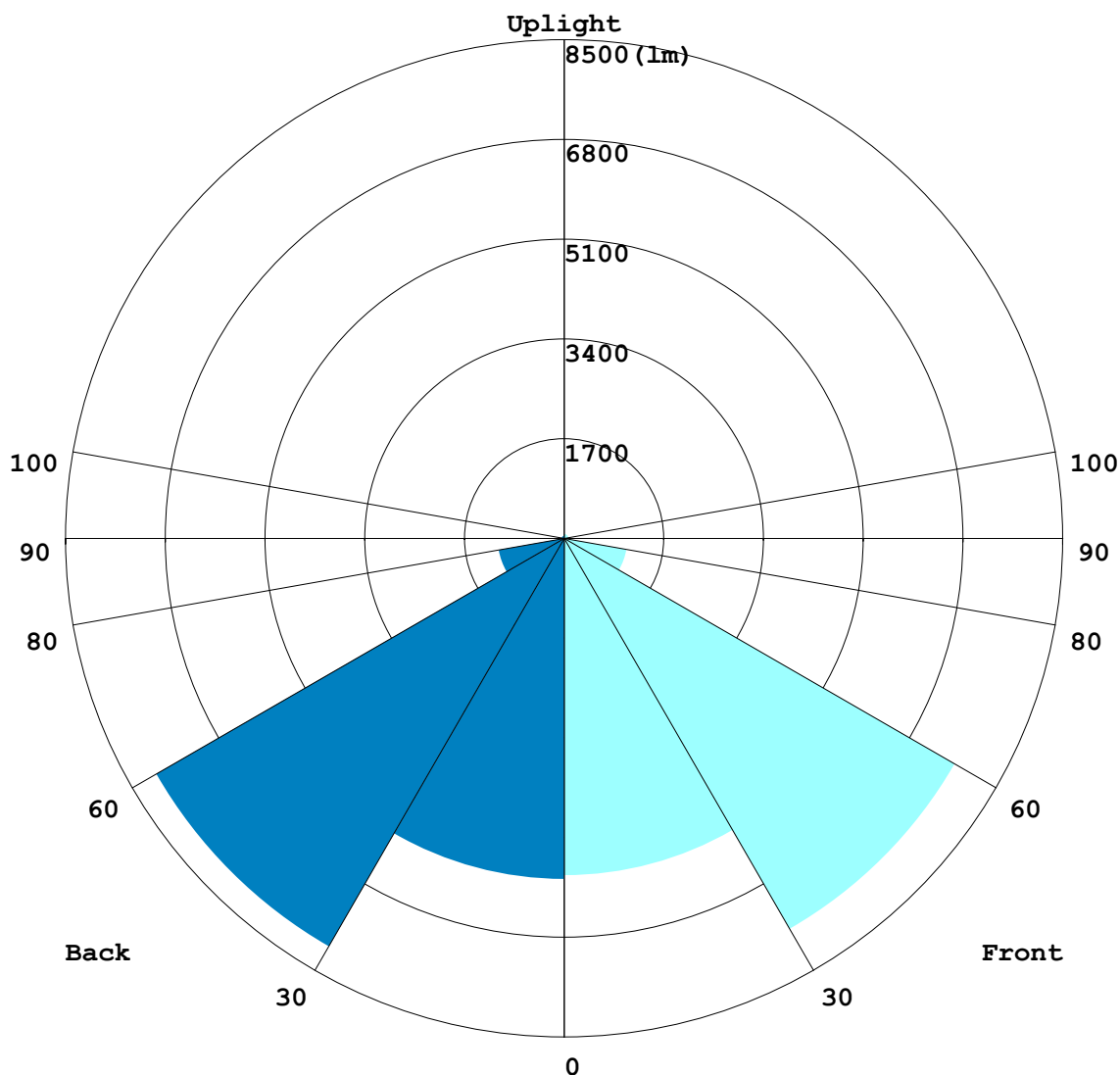
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.4℃
 Operators:DAMIN
 Test Date:2023-12-15

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:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 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: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

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:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 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)	5739.2	19.3
FM - Front-Medium(30-60)	7685.7	25.8
FH - Front-High(60-80)	1081.8	3.6
FVH - Front-Very High(80-90)	65.889	0.2
Total Forward Light	14649	49.3

BL - Back-Low(0-30)	5808	19.5
BM - Back-Medium(30-60)	8030.5	27.0
BH - Back-High(60-80)	1133.9	3.8
BVH - Back-Very High(80-90)	69.234	0.2
Total Back Light	15085	50.7

UL - Uplight-Low(90-100)	2.2867	0.0
UH - Uplight-High(100-180)	118.1	0.4
Total Up Light	120.39	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15042	43.415	15085
Street Side	14572	76.971	14649

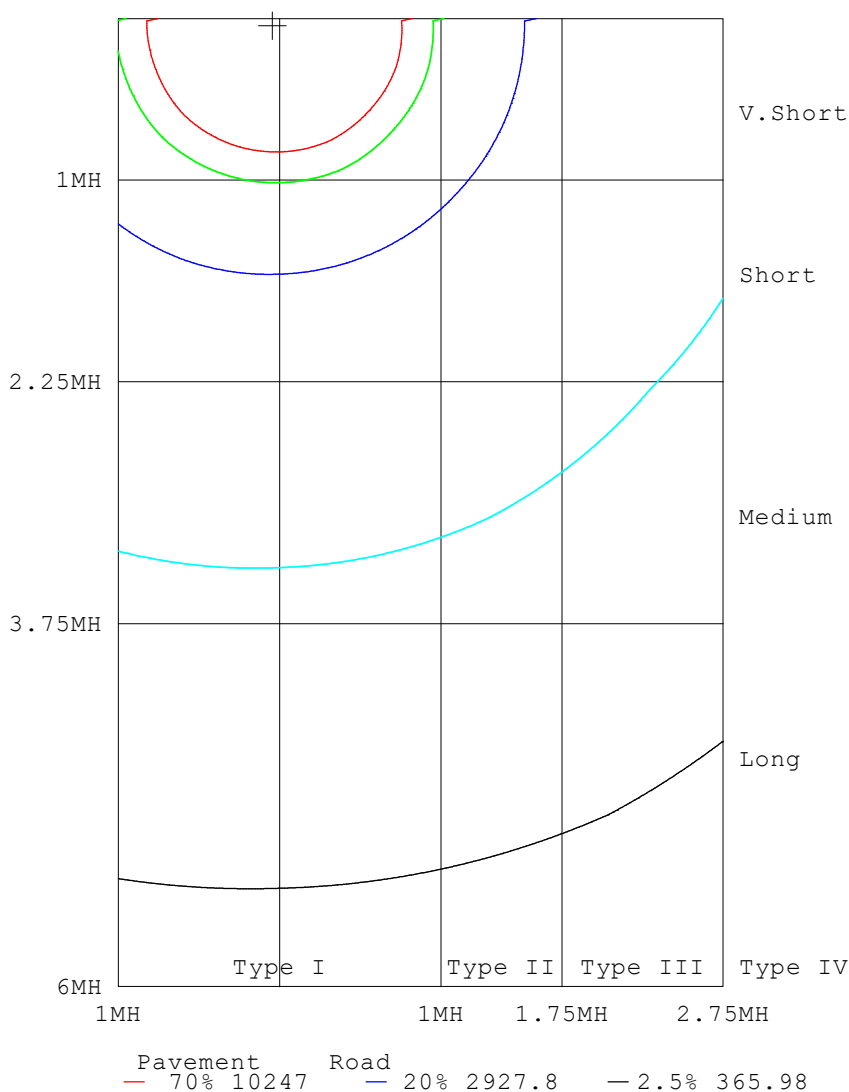
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

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:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 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: 23.4 °C
Operators:DAMIN
Test Date:2023-12-15

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:280.45V I:0.6722A P:187.87W PF:0.9965 Freq:60.01Hz Lamp Flux:29734.6x1 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	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456	1456			
5	1459	1455	1453	1450	1447	1446	1444	1445	1447	1447	1450	1453	1457	1457	1461	1461			
10	1454	1447	1442	1435	1431	1426	1425	1426	1430	1431	1438	1443	1447	1453	1457	1457			
15	1439	1431	1419	1413	1406	1401	1397	1398	1405	1408	1416	1423	1431	1437	1446	1445			
20	1411	1403	1389	1379	1368	1361	1357	1358	1368	1371	1383	1393	1401	1408	1421	1420			
25	1368	1358	1342	1328	1315	1307	1300	1302	1312	1318	1336	1349	1356	1366	1377	1376			
30	1301	1289	1268	1252	1235	1222	1213	1215	1228	1239	1261	1276	1289	1301	1315	1310			
35	1189	1176	1150	1130	1101	1085	1071	1078	1091	1108	1140	1159	1179	1188	1206	1201			
40	1008	994	961	937	900	884	869	879	895	915	952	976	999	1009	1027	1020			
45	757	746	715	698	667	654	645	653	660	677	713	734	755	761	780	771			
50	533	521	501	496	475	470	461	465	468	476	507	519	533	539	556	549			
55	365	355	345	340	331	329	321	322	323	324	347	353	365	372	383	378			
60	244	237	231	227	224	222	220	217	217	220	233	235	244	249	257	253			
65	162	157	153	151	149	148	144	144	144	144	155	156	162	166	171	167			
70	104	101	96.9	96.1	95.0	94.3	91.3	90.7	91.3	92.0	97.9	99.0	104	106	110	107			
75	63.7	62.0	59.2	59.0	58.0	57.7	55.9	55.6	56.0	56.6	59.6	60.6	63.6	65.0	67.6	65.4			
80	34.0	33.5	31.6	31.8	30.9	30.8	29.8	29.8	30.0	30.3	31.7	32.1	33.9	34.5	36.1	34.6			
85	11.7	12.0	11.1	11.3	10.5	10.5	9.85	10.2	10.3	10.4	11.0	11.1	12.0	12.0	12.9	12.0			
90	0.29	0.29	0.28	0.29	0.28	0.29	0.28	0.28	0.13	0.13	0.15	0.16	0.17	0.17	0.17	0.16			
95	0.28	0.29	0.30	0.31	0.32	0.33	0.33	0.33	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08			
100	0.41	0.42	0.44	0.45	0.46	0.48	0.48	0.48	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.09			
105	0.61	0.62	0.66	0.67	0.70	0.71	0.73	0.72	0.12	0.11	0.12	0.11	0.11	0.10	0.11	0.10			
110	0.90	0.92	0.97	1.00	1.02	1.04	1.06	1.05	0.17	0.16	0.16	0.15	0.16	0.15	0.15	0.14			
115	1.27	1.31	1.36	1.40	1.43	1.46	1.47	1.47	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.23			
120	1.72	1.75	1.81	1.86	1.89	1.92	1.95	1.94	0.45	0.45	0.43	0.43	0.42	0.42	0.41	0.41			
125	2.19	2.23	2.29	2.34	2.38	2.41	2.44	2.43	0.76	0.75	0.72	0.71	0.68	0.69	0.67	0.68			
130	2.70	2.73	2.80	2.85	2.89	2.93	2.96	2.96	1.20	1.19	1.15	1.12	1.09	1.08	1.07	1.08			
135	3.24	3.26	3.34	3.39	3.42	3.46	3.50	3.50	1.74	1.73	1.67	1.64	1.59	1.59	1.56	1.59			
140	3.81	3.84	3.92	3.96	3.99	4.04	4.07	4.08	2.33	2.30	2.24	2.20	2.15	2.15	2.12	2.15			
145	4.44	4.46	4.54	4.58	4.61	4.65	4.69	4.70	3.01	2.98	2.91	2.88	2.82	2.83	2.79	2.84			
150	5.07	5.08	5.17	5.21	5.22	5.26	5.31	5.32	3.70	3.66	3.60	3.57	3.51	3.51	3.49	3.54			
155	5.65	5.66	5.74	5.77	5.80	5.83	5.87	5.89	4.53	4.50	4.44	4.40	4.32	4.33	4.31	4.37			
160	6.24	6.25	6.29	6.32	6.36	6.40	6.41	6.42	5.47	5.44	5.38	5.32	5.24	5.24	5.23	5.27			
165	6.80	6.80	6.88	6.90	6.91	6.93	6.98	7.00	6.52	6.46	6.40	6.36	6.28	6.27	6.24	6.31			
170	7.47	7.46	7.53	7.54	7.54	7.57	7.60	7.61	7.35	7.33	7.29	7.26	7.21	7.20	7.16	7.21			
175	7.93	7.90	7.94	7.97	7.96	7.95	7.95	8.01	7.95	7.92	7.93	7.93	7.89	7.86	7.87	7.92			
180	7.68	7.67	7.70	7.67	7.66	7.66	7.67	7.67	7.82	7.82	7.84	7.82	7.80	7.81	7.81	7.84			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
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Remarks: