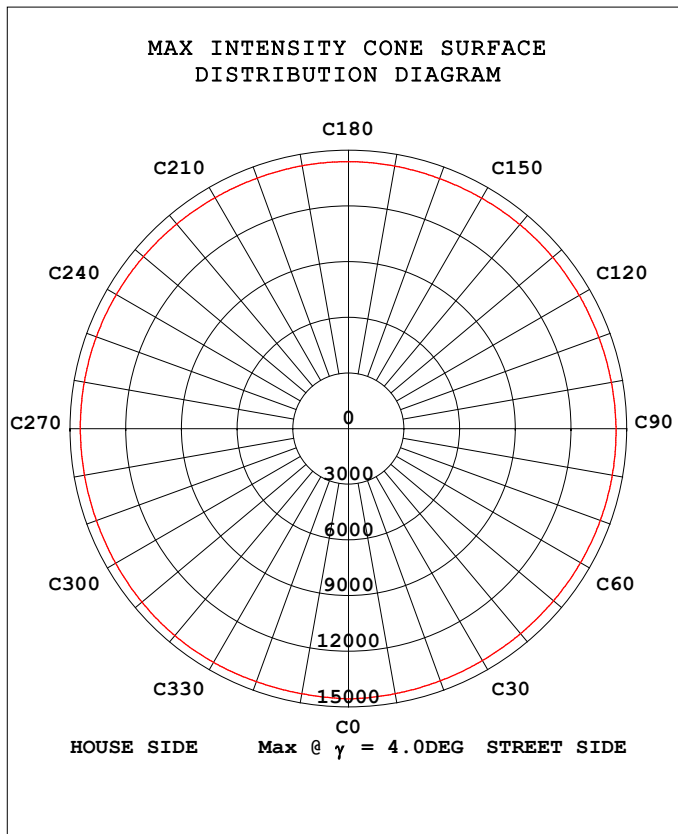
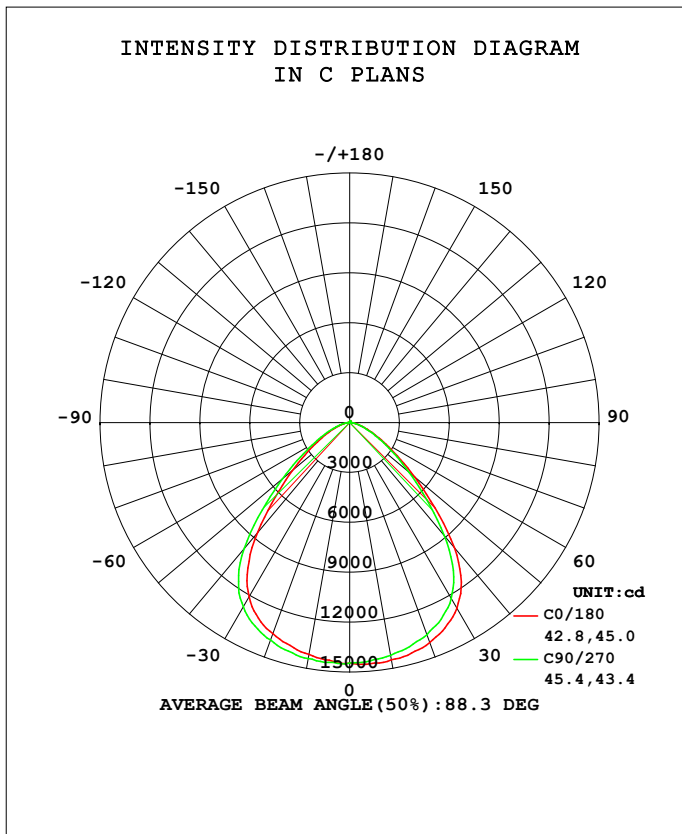


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.13 lm/W			
MODEL		I <sub>max</sub> (cd)	14563	η street_up (%)	0.3
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	49.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	29355	η house_up (%)	0.1
NOMINAL FLUX (lm)	29354.8	MAXIMUM @ (C, γ )	0,4.0	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	22.005

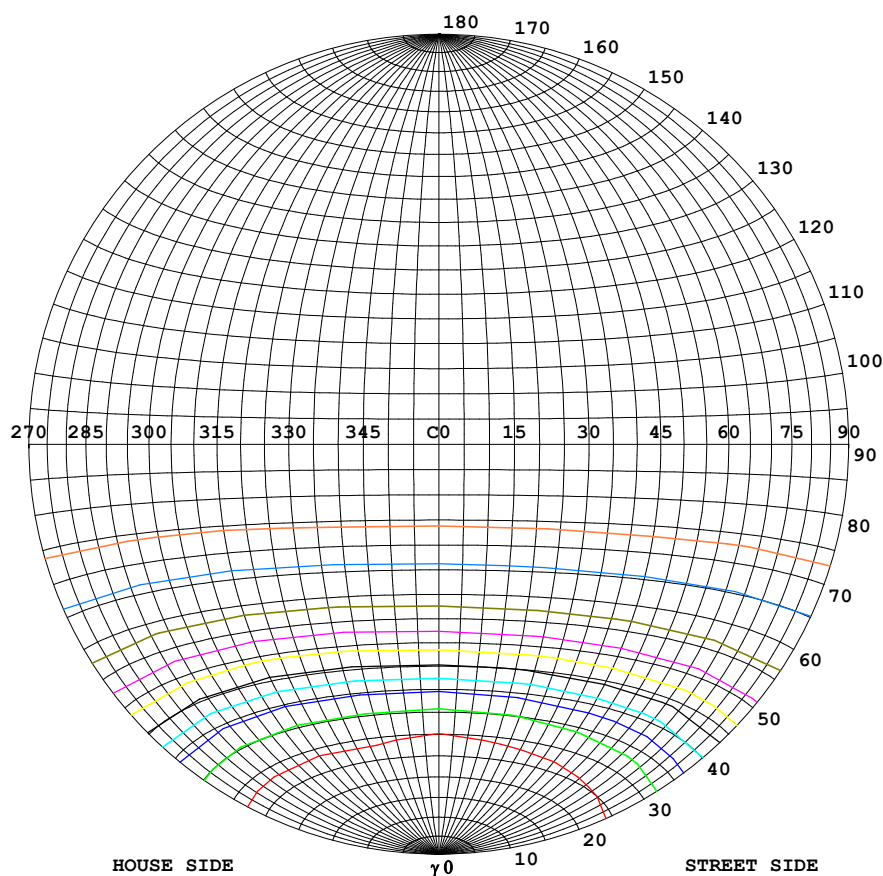


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



## Classification:

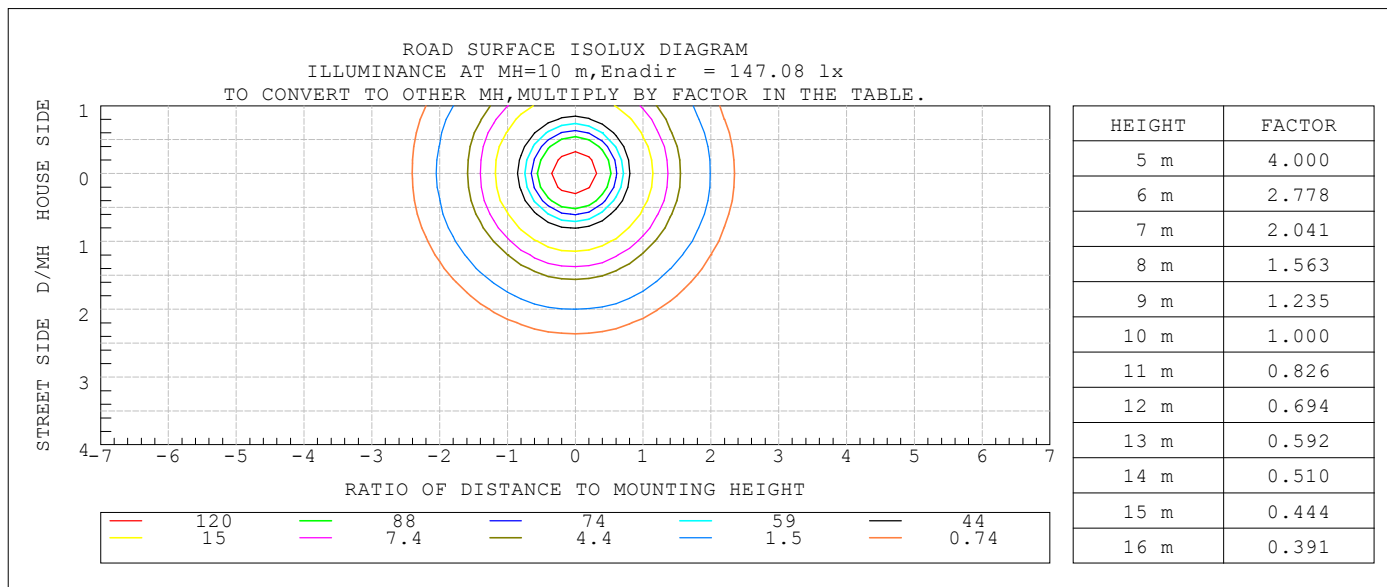
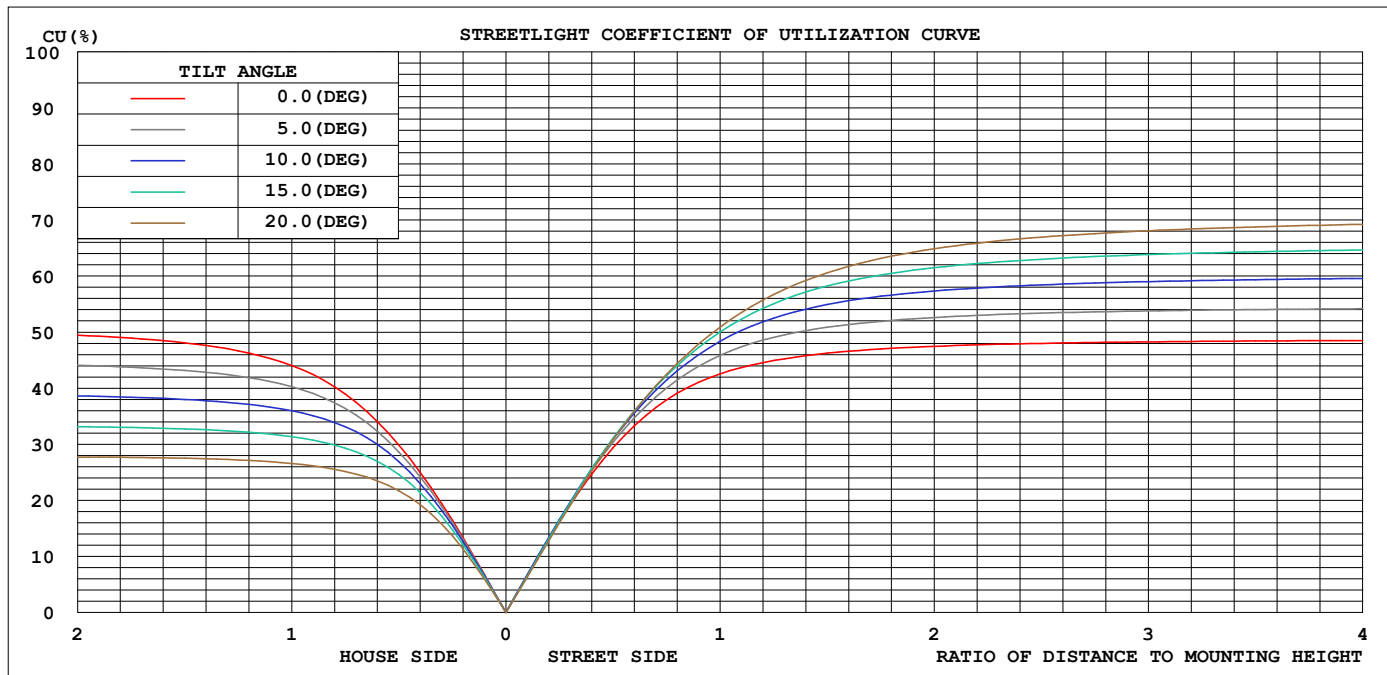
IES:Type V - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:12.37cd/klm  
Max.At90:0.0999cd/klm  
Max.80-90:12.37cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I <sub>max</sub> =100%		14563
— 90%		13107
— 80%		11651
— 70%		10194
— 60%		8738
— 50%		7282
— 40%		5825
— 30%		4369
— 20%		2913
— 10%		1456
— 5%		728

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
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: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

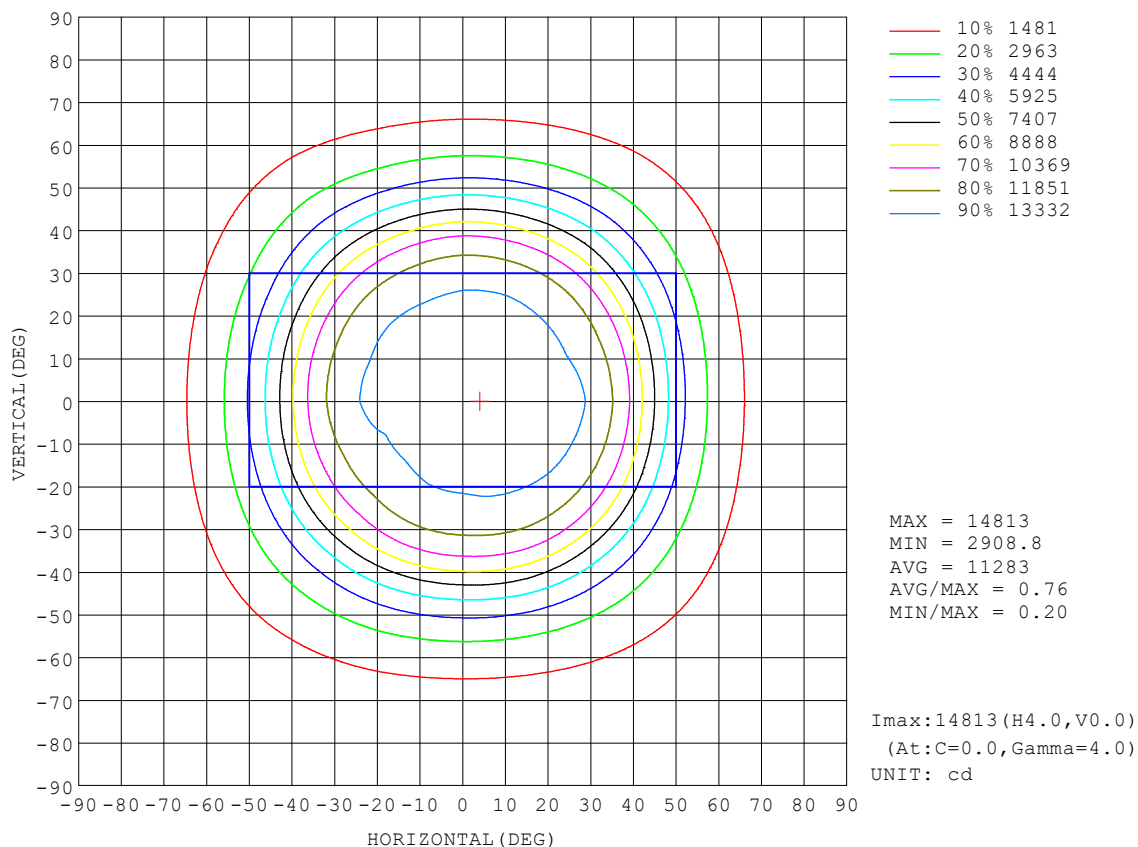
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1449	1434	1420	1413	1415	1425	1440	1451	0- 10	1373	1373	4.68,4.68
20	1407	1376	1357	1344	1350	1368	1391	1414	10- 20	3979	5352	18.2,18.2
30	1290	1253	1222	1202	1209	1244	1278	1306	20- 30	6102	11454	39,39
40	980.0	934.5	884.2	861.6	860.1	923.0	985.3	1018	30- 40	6956	18409	62.7,62.7
50	514.5	486.5	468.8	457.9	450.9	490.8	531.7	552.8	40- 50	5388	23797	81.1,81.1
60	236.2	226.4	222.3	218.0	211.5	229.7	243.5	254.9	50- 60	3098	26895	91.6,91.6
70	102.2	96.35	94.35	91.89	90.32	96.94	104.5	110.1	60- 70	1549	28444	96.9,96.9
80	34.05	31.77	31.06	30.10	30.26	31.86	34.54	36.32	70- 80	654.7	29099	99.1,99.1
90	0.2932	0.2841	0.2784	0.2770	0.1339	0.1544	0.1734	0.1720	80- 90	136.8	29236	99.6,99.6
100	0.4003	0.4288	0.4603	0.4816	0.0894	0.0874	0.0870	0.0862	90-100	2.271	29238	99.6,99.6
110	0.8698	0.9354	1.012	1.055	0.1629	0.1577	0.1552	0.1520	100-110	4.189	29242	99.6,99.6
120	1.667	1.758	1.870	1.932	0.4405	0.4241	0.4144	0.4050	110-120	8.064	29250	99.6,99.6
130	2.643	2.745	2.864	2.941	1.164	1.121	1.077	1.057	120-130	13.50	29264	99.7,99.7
140	3.734	3.846	3.963	4.050	2.276	2.198	2.133	2.103	130-140	19.10	29283	99.8,99.8
150	4.999	5.085	5.195	5.275	3.660	3.547	3.480	3.460	140-150	23.00	29306	99.8,99.8
160	6.178	6.228	6.321	6.364	5.419	5.306	5.202	5.189	150-160	23.15	29329	99.9,99.9
170	7.443	7.450	7.479	7.548	7.352	7.234	7.157	7.123	160-170	18.34	29347	100,100
180	7.648	7.611	7.596	7.621	7.842	7.786	7.756	7.782	170-180	7.331	29355	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:2023-12-15

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

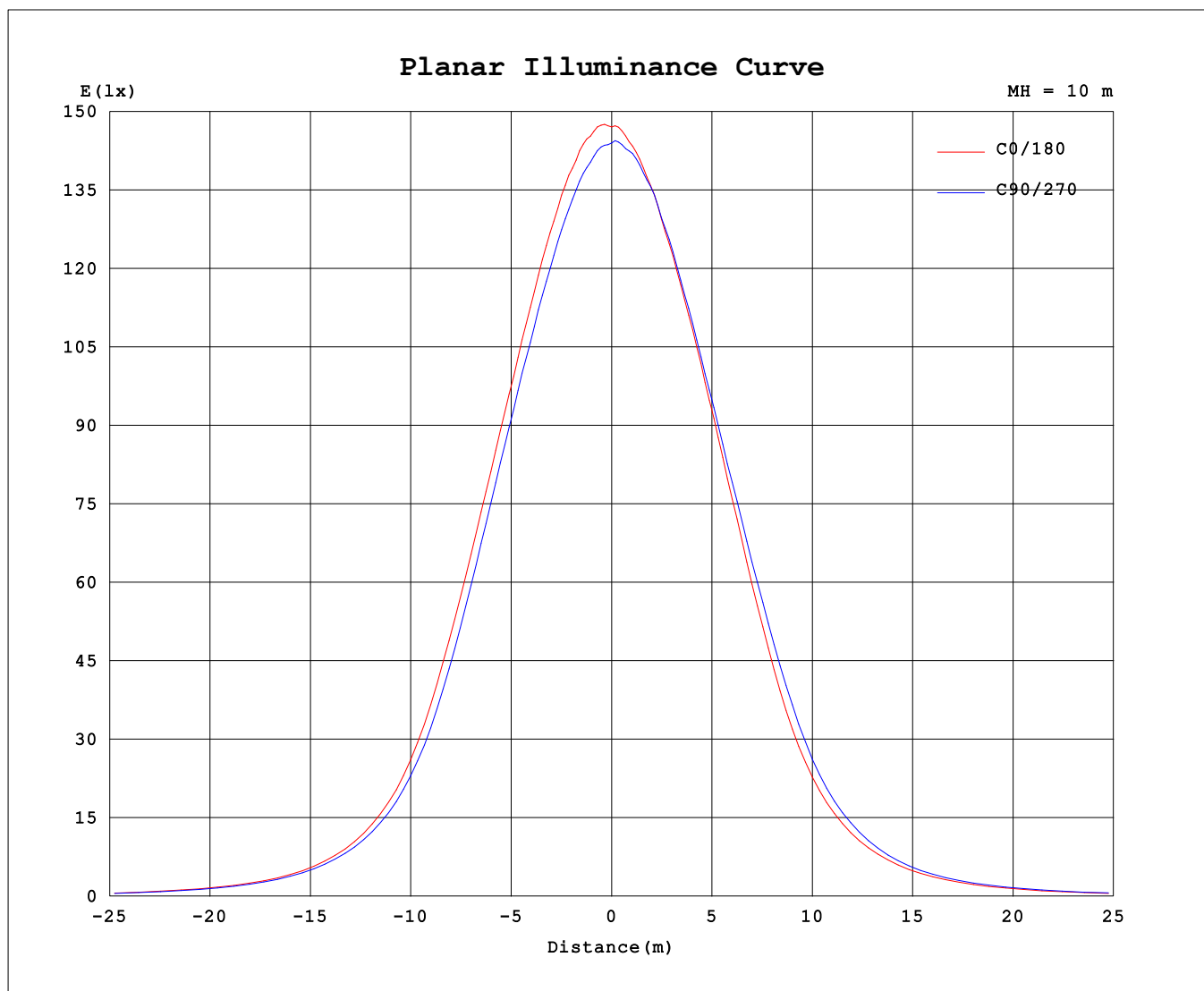
Test:U:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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



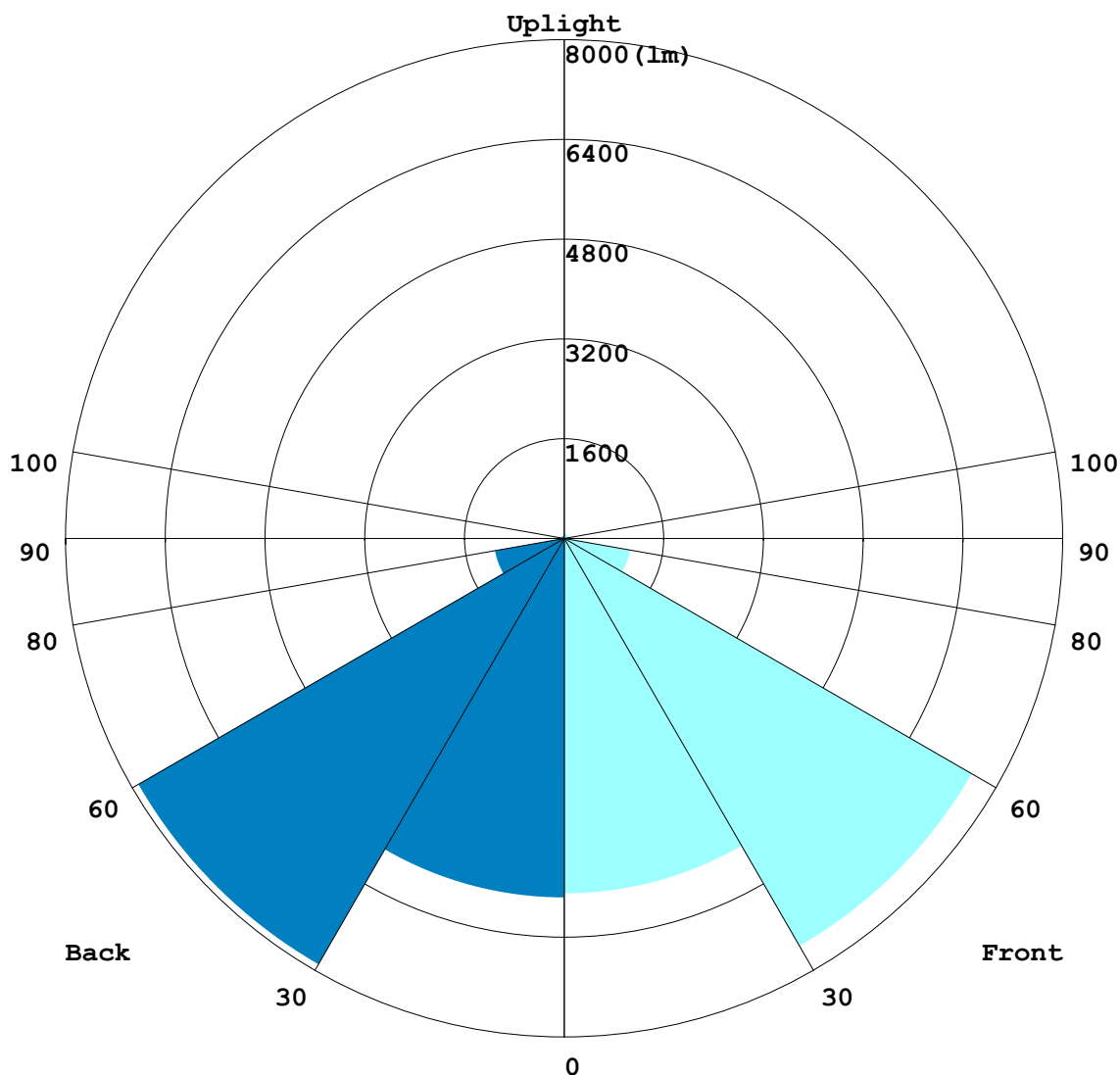
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 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:2023-12-15

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:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 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)	5694.3	19.4
FM - Front-Medium(30-60)	7552.1	25.7
FH - Front-High(60-80)	1076.1	3.7
FVH - Front-Very High(80-90)	66.694	0.2
Total Forward Light	14465	49.3

BL - Back-Low(0-30)	5759.6	19.6
BM - Back-Medium(30-60)	7889.4	26.9
BH - Back-High(60-80)	1127.4	3.8
BVH - Back-Very High(80-90)	70.146	0.2
Total Back Light	14889	50.7

UL - Uplight-Low(90-100)	2.2712	0.0
UH - Uplight-High(100-180)	116.67	0.4
Total Up Light	118.94	0.4

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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14847	42.897	14889
Street Side	14389	76.046	14465

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

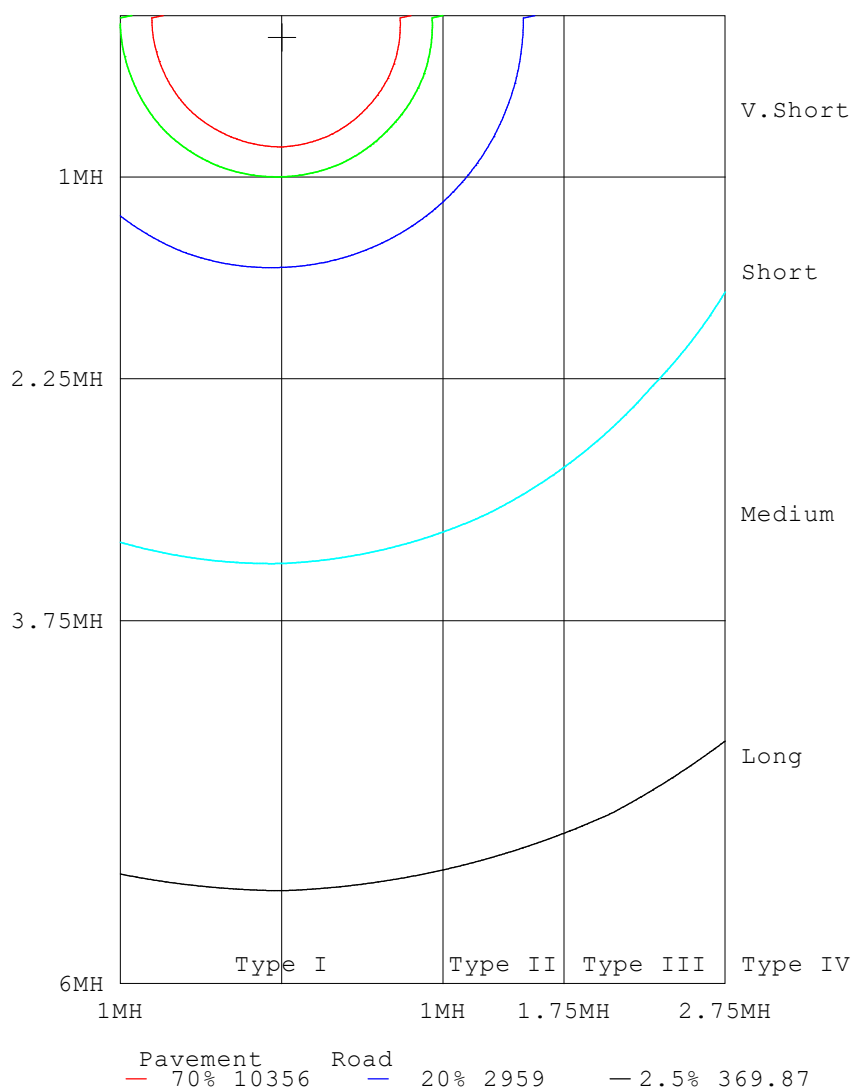
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:



# ROAD ISOCANDELA REPORT

Test:U:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 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:2023-12-15

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:280.44V I:0.7087A P:198.17W PF:0.9971 Freq:60.01Hz Lamp Flux:29354.8x1 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	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446			
5	1455	1447	1443	1440	1437	1433	1432	1434	1434	1435	1440	1442	1447	1448	1453	1451			
10	1449	1441	1434	1426	1420	1414	1413	1413	1415	1417	1425	1431	1440	1443	1451	1448			
15	1435	1422	1411	1403	1395	1387	1384	1386	1386	1389	1401	1409	1423	1427	1437	1437			
20	1407	1393	1376	1367	1357	1348	1344	1347	1350	1352	1368	1378	1391	1401	1414	1412			
25	1361	1345	1328	1319	1304	1296	1291	1293	1298	1303	1319	1332	1347	1358	1371	1369			
30	1290	1271	1253	1241	1222	1210	1202	1208	1209	1221	1244	1258	1278	1290	1306	1303			
35	1170	1154	1129	1115	1087	1073	1062	1070	1067	1086	1119	1139	1167	1178	1197	1192			
40	980	964	934	917	884	871	862	873	860	884	923	953	985	997	1018	1012			
45	727	714	688	681	655	647	641	647	633	651	690	714	744	752	774	765			
50	514	504	486	485	469	464	458	461	451	458	491	506	532	536	553	546			
55	351	343	335	333	327	325	320	320	312	314	339	346	362	370	380	375			
60	236	230	226	224	222	221	218	216	212	212	230	232	244	249	255	251			
65	159	154	151	150	149	148	144	144	141	141	153	155	163	167	170	167			
70	102	99.4	96.3	96.3	94.4	94.1	91.9	91.3	90.3	90.9	96.9	98.7	104	106	110	107			
75	63.2	61.8	59.2	59.7	58.1	57.9	56.5	56.2	55.8	56.3	59.4	60.7	64.6	65.3	68.0	65.7			
80	34.1	33.5	31.8	32.3	31.1	31.0	30.1	30.1	30.3	30.4	31.9	32.5	34.5	34.7	36.3	34.8			
85	11.9	12.1	11.2	11.5	10.6	10.6	10.04	10.3	10.5	10.4	11.2	11.3	12.3	12.0	13.0	12.2			
90	0.29	0.29	0.28	0.29	0.28	0.29	0.28	0.28	0.13	0.14	0.15	0.16	0.17	0.17	0.17	0.17			
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	0.08	0.08	0.08	0.08			
100	0.40	0.41	0.43	0.45	0.46	0.47	0.48	0.48	0.09	0.09	0.09	0.08	0.09	0.08	0.09	0.08			
105	0.60	0.60	0.64	0.66	0.69	0.70	0.72	0.71	0.12	0.11	0.11	0.11	0.11	0.10	0.11	0.10			
110	0.87	0.88	0.94	0.97	1.01	1.03	1.05	1.04	0.16	0.15	0.16	0.15	0.16	0.15	0.15	0.14			
115	1.23	1.26	1.31	1.37	1.41	1.44	1.46	1.46	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23			
120	1.67	1.70	1.76	1.82	1.87	1.91	1.93	1.92	0.44	0.44	0.42	0.43	0.41	0.41	0.41	0.41			
125	2.14	2.18	2.23	2.30	2.35	2.39	2.42	2.42	0.73	0.73	0.70	0.70	0.68	0.68	0.66	0.68			
130	2.64	2.68	2.74	2.81	2.86	2.91	2.94	2.94	1.16	1.15	1.12	1.10	1.08	1.07	1.06	1.07			
135	3.17	3.20	3.27	3.33	3.39	3.43	3.48	3.47	1.70	1.68	1.63	1.61	1.57	1.57	1.55	1.57			
140	3.73	3.77	3.85	3.90	3.96	4.00	4.05	4.05	2.28	2.25	2.20	2.17	2.13	2.12	2.10	2.14			
145	4.36	4.39	4.46	4.52	4.57	4.62	4.66	4.67	2.96	2.92	2.86	2.84	2.79	2.79	2.77	2.81			
150	5.00	5.02	5.08	5.15	5.20	5.23	5.27	5.29	3.66	3.60	3.55	3.52	3.48	3.47	3.46	3.50			
155	5.60	5.60	5.65	5.73	5.76	5.79	5.83	5.85	4.49	4.42	4.37	4.35	4.30	4.28	4.28	4.33			
160	6.18	6.19	6.23	6.29	6.32	6.36	6.36	6.39	5.42	5.36	5.31	5.25	5.20	5.19	5.19	5.25			
165	6.78	6.77	6.80	6.85	6.87	6.89	6.92	6.95	6.47	6.37	6.32	6.30	6.24	6.20	6.20	6.25			
170	7.44	7.44	7.45	7.47	7.48	7.52	7.55	7.58	7.35	7.26	7.23	7.19	7.16	7.13	7.12	7.16			
175	7.91	7.88	7.85	7.92	7.90	7.89	7.92	7.98	7.98	7.87	7.86	7.85	7.84	7.78	7.83	7.86			
180	7.65	7.65	7.61	7.62	7.60	7.61	7.62	7.65	7.84	7.75	7.79	7.75	7.76	7.74	7.78	7.77			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
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: