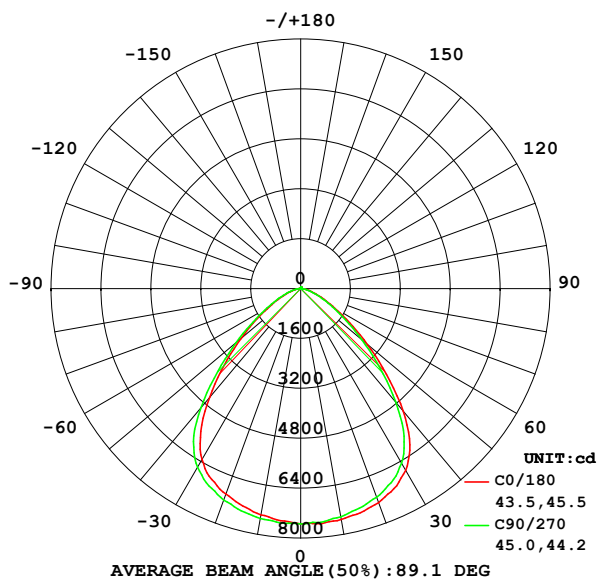
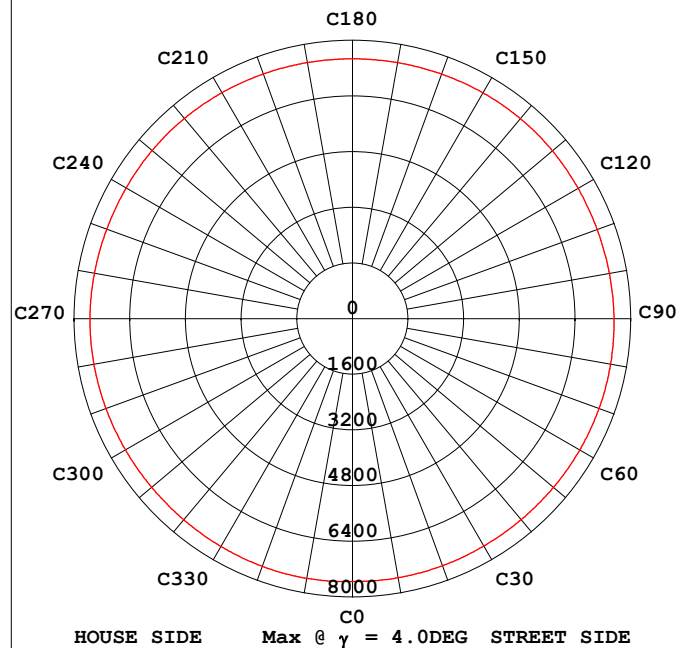


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.98 lm/W			
MODEL		I _{max} (cd)	7574	η street_up (%)	0.3
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	49.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	15403	η house_up (%)	0.2
NOMINAL FLUX (lm)	15402.7	MAXIMUM @ (C, γ)	338,4.0	η house_down (%)	50.0
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	21.082

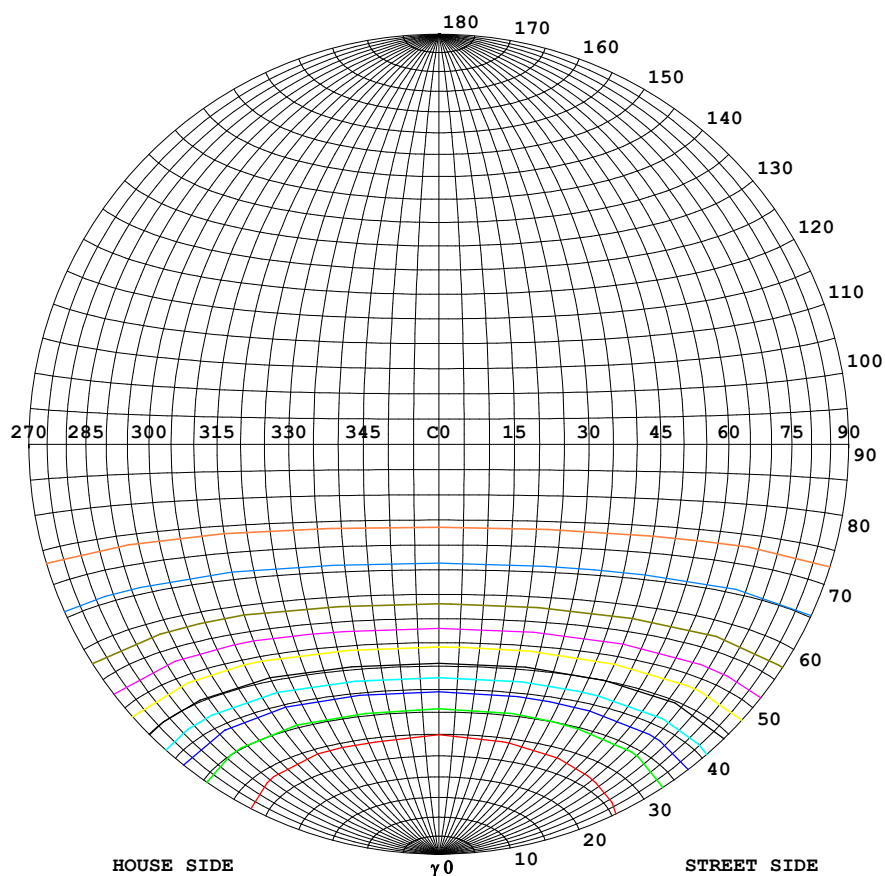
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

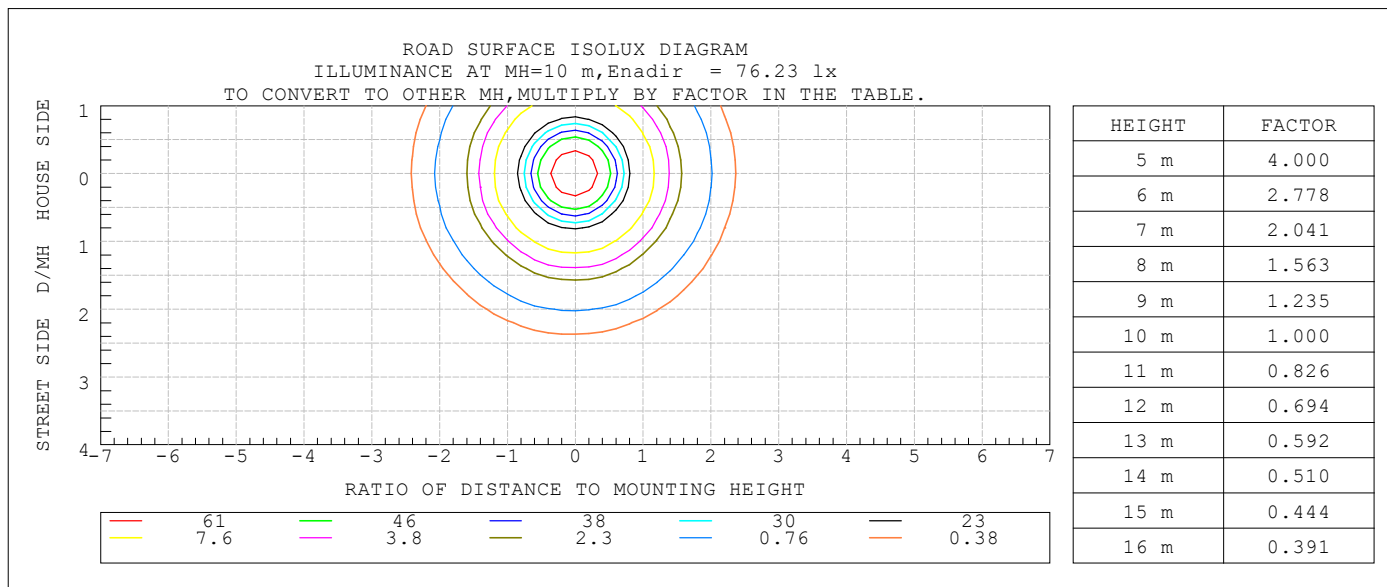
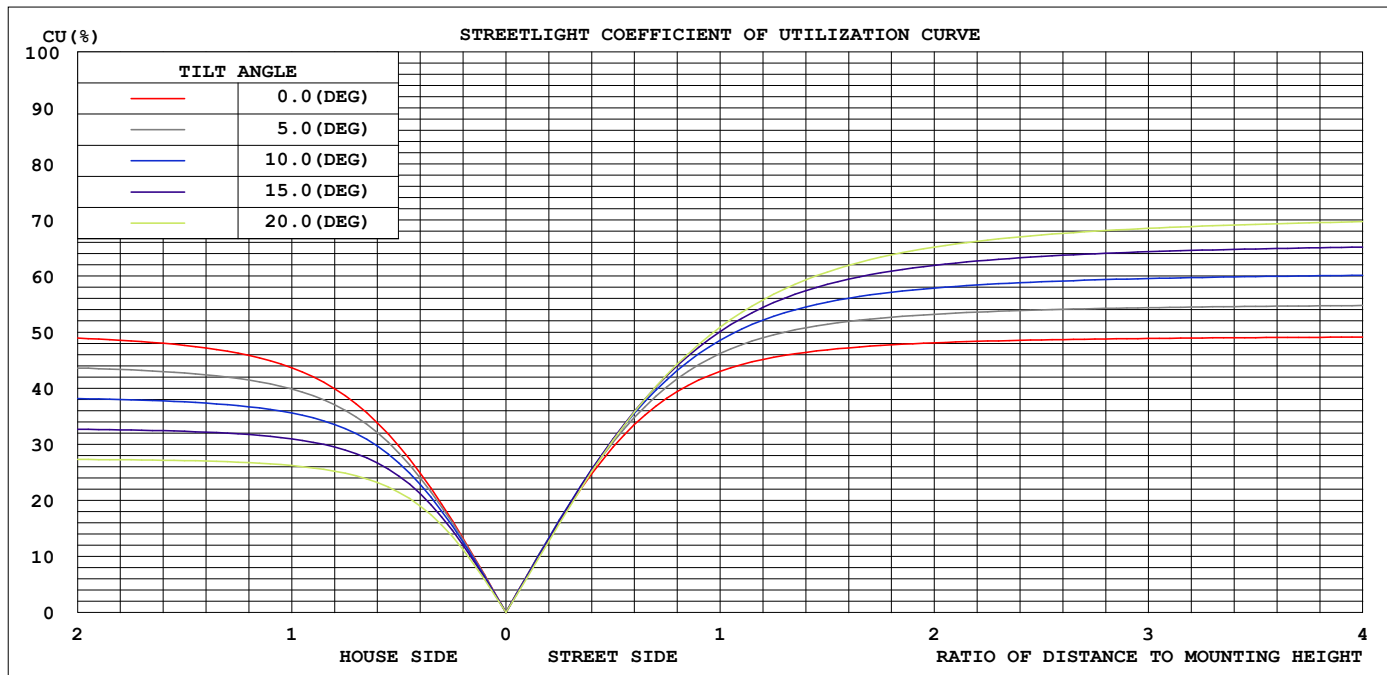
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.33cd/klm
Max.At90:0.1106cd/klm
Max.80-90:11.33cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7574
90%	6816
80%	6059
70%	5302
60%	4544
50%	3787
40%	3029
30%	2272
20%	1515
10%	757
5%	379

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

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:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

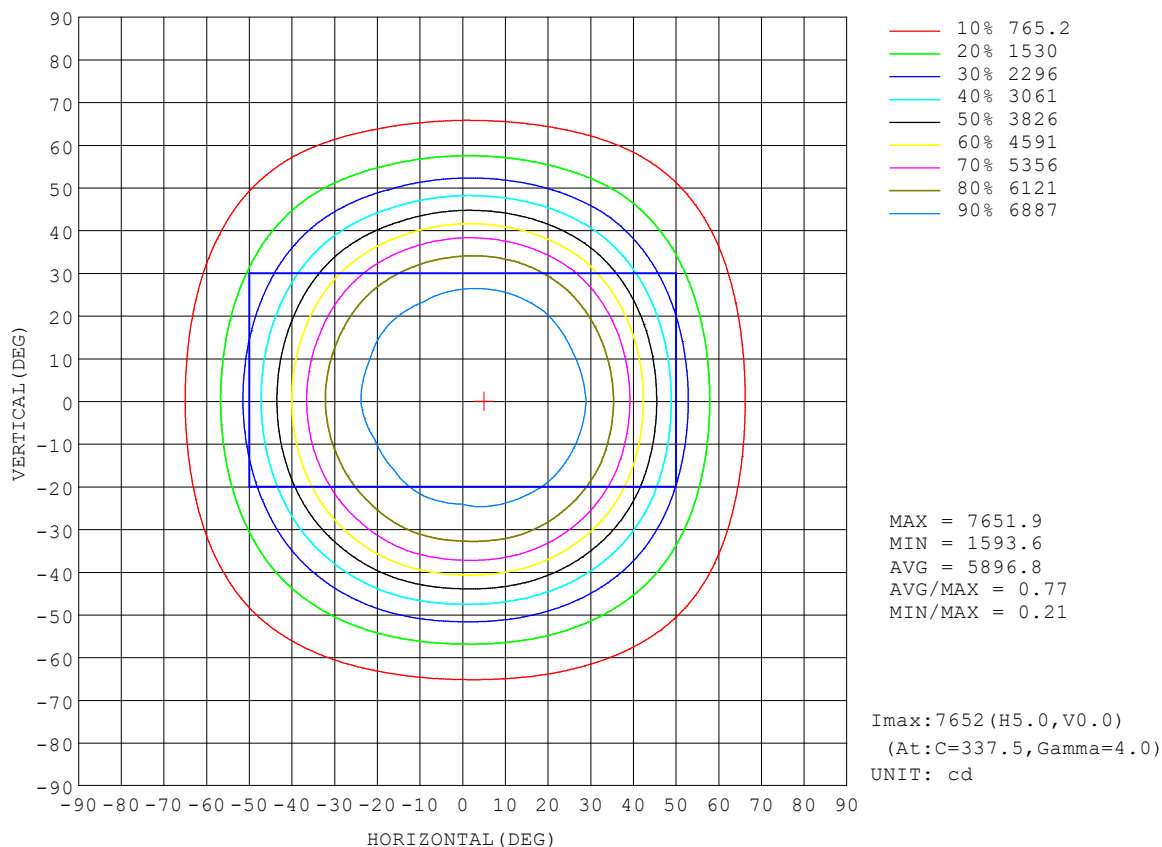
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	7518	7482	7427	7391	7365	7415	7482	7523	0- 10	715.4	715.4	4.64,4.64
20	7303	7209	7117	7058	7016	7104	7217	7310	10- 20	2072	2788	18.1,18.1
30	6732	6627	6474	6388	6325	6458	6619	6758	20- 30	3188	5976	38.8,38.8
40	5115	4973	4747	4619	4545	4723	4972	5206	30- 40	3640	9615	62.4,62.4
50	2810	2708	2583	2509	2515	2607	2705	2859	40- 50	2858	12473	81,81
60	1277	1234	1182	1146	1154	1205	1246	1309	50- 60	1663	14136	91.8,91.8
70	530.7	511.4	486.9	467.8	478.6	499.8	515.5	543.0	60- 70	808.6	14945	97,97
80	167.4	160.0	150.6	145.8	150.3	160.6	165.6	174.5	70- 80	329.9	15275	99.2,99.2
90	1.369	1.703	1.608	1.649	0.6091	0.7290	0.8277	0.8328	80- 90	64.19	15339	99.6,99.6
100	2.184	2.283	2.382	2.504	0.4881	0.4846	0.4708	0.4584	90-100	1.220	15340	99.6,99.6
110	4.747	4.912	5.158	5.454	0.9174	0.8937	0.8516	0.8345	100-110	2.223	15343	99.6,99.6
120	8.947	9.216	9.696	10.11	2.489	2.415	2.302	2.260	110-120	4.259	15347	99.6,99.6
130	14.18	14.51	15.00	15.48	6.400	6.211	5.937	5.822	120-130	7.201	15354	99.7,99.7
140	19.99	20.30	20.79	21.30	12.42	12.11	11.69	11.54	130-140	10.23	15364	99.8,99.8
150	26.67	26.95	27.39	27.89	19.77	19.38	18.90	18.75	140-150	12.32	15377	99.8,99.8
160	32.98	33.12	33.47	33.97	29.16	28.92	28.23	28.02	150-160	12.40	15389	99.9,99.9
170	39.48	39.68	39.77	39.94	38.82	38.79	38.27	37.97	160-170	9.816	15399	100,100
180	40.67	40.76	40.67	40.62	41.46	41.64	41.44	41.32	170-180	3.917	15403	100,100
DEG	LUMINOUS INTENSITY:cd									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

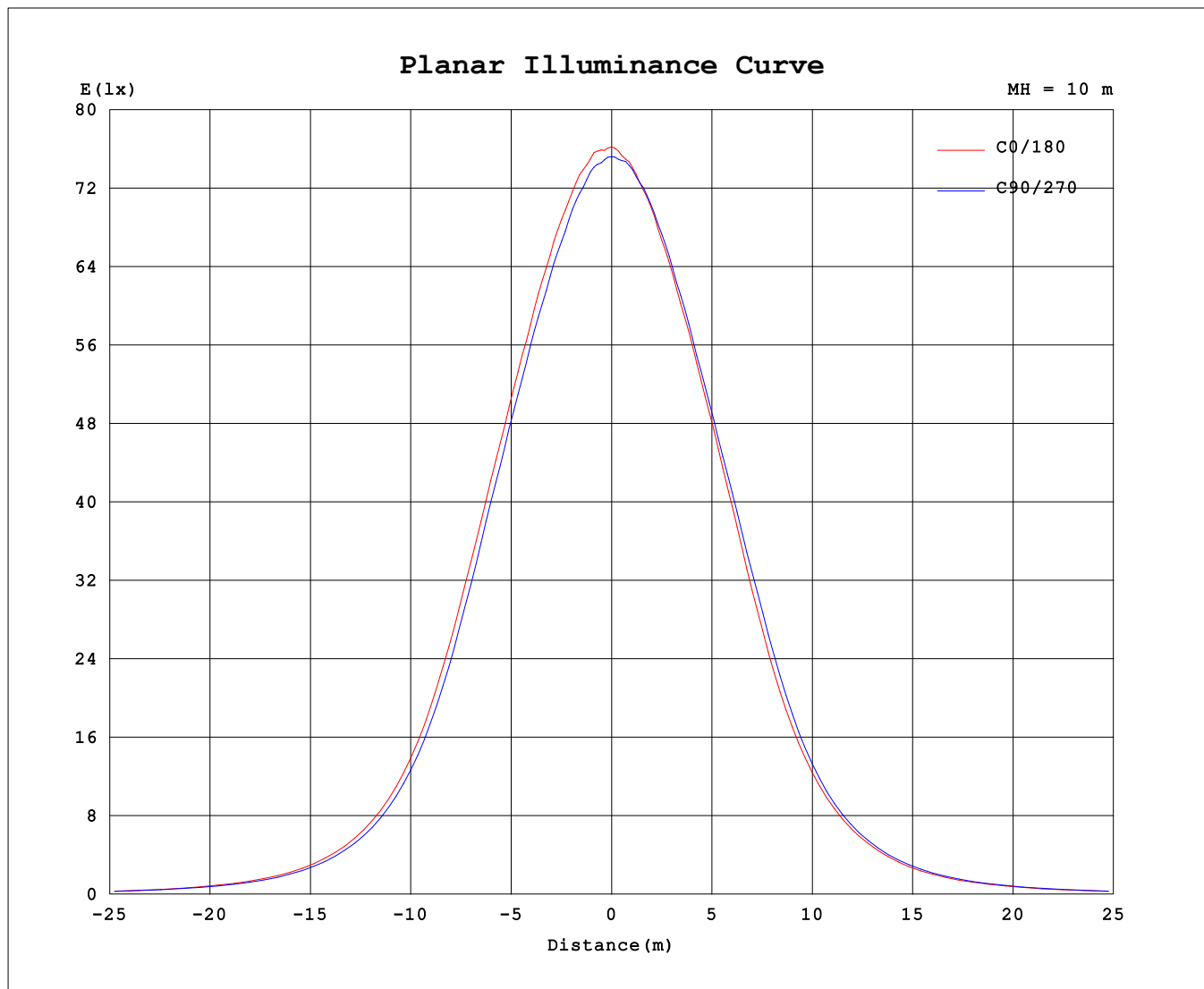
Test:U:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

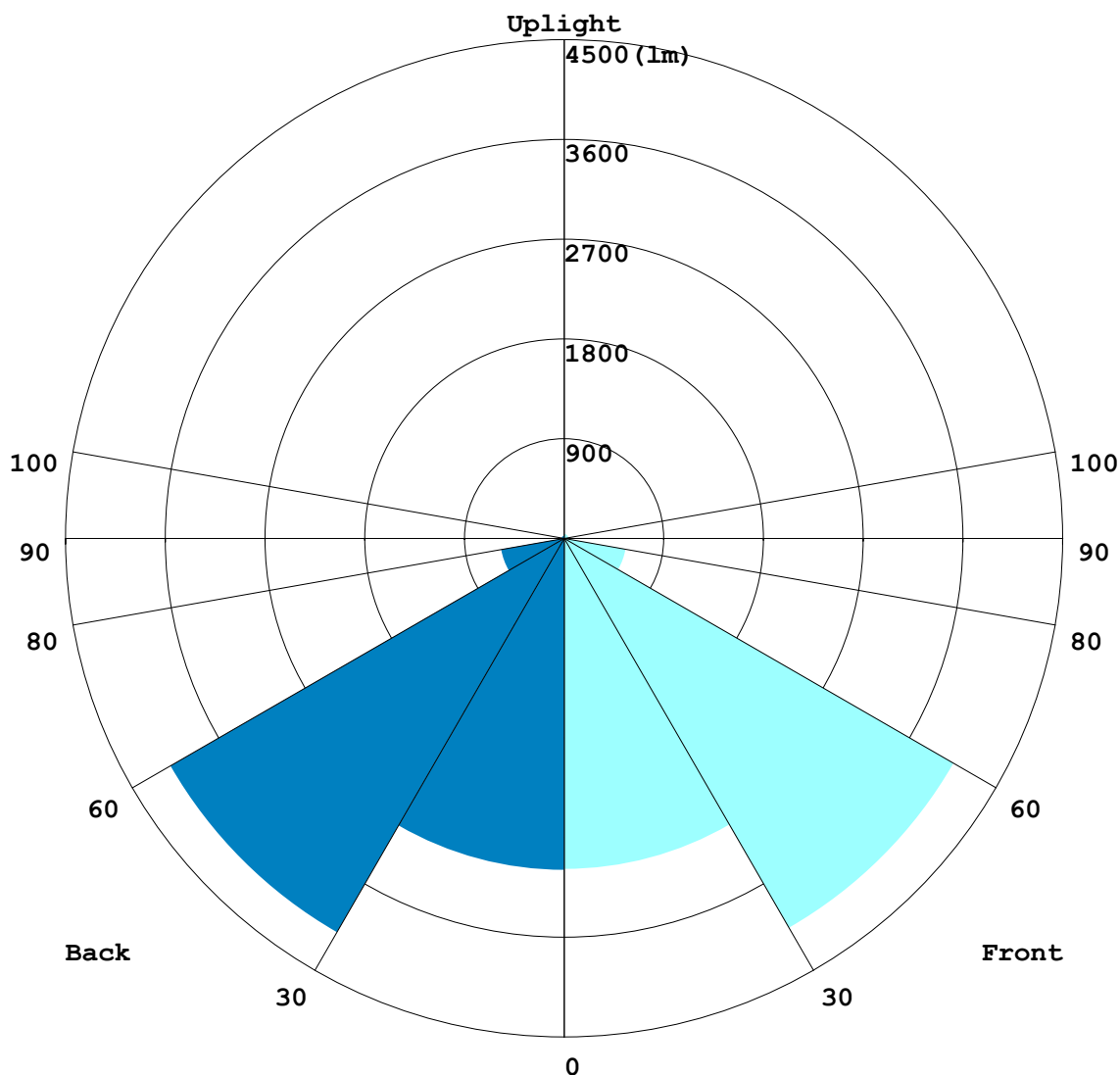


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5°C
Operators:DAMIN
Test Date:2023-12-15

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:

LCS REPORT

Test:U:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 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:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 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)	2983.8	19.4
FM - Front-Medium(30-60)	4058.4	26.3
FH - Front-High(60-80)	562.21	3.7
FVH - Front-Very High(80-90)	30.793	0.2
Total Forward Light	7675.4	49.8

BL - Back-Low(0-30)	2992	19.4
BM - Back-Medium(30-60)	4102.4	26.6
BH - Back-High(60-80)	576.3	3.7
BVH - Back-Very High(80-90)	33.397	0.2
Total Back Light	7727.4	50.2

UL - Uplight-Low(90-100)	1.2199	0.0
UH - Uplight-High(100-180)	62.362	0.4
Total Up Light	63.582	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7704	23.354	7727.4
Street Side	7635.2	40.229	7675.4

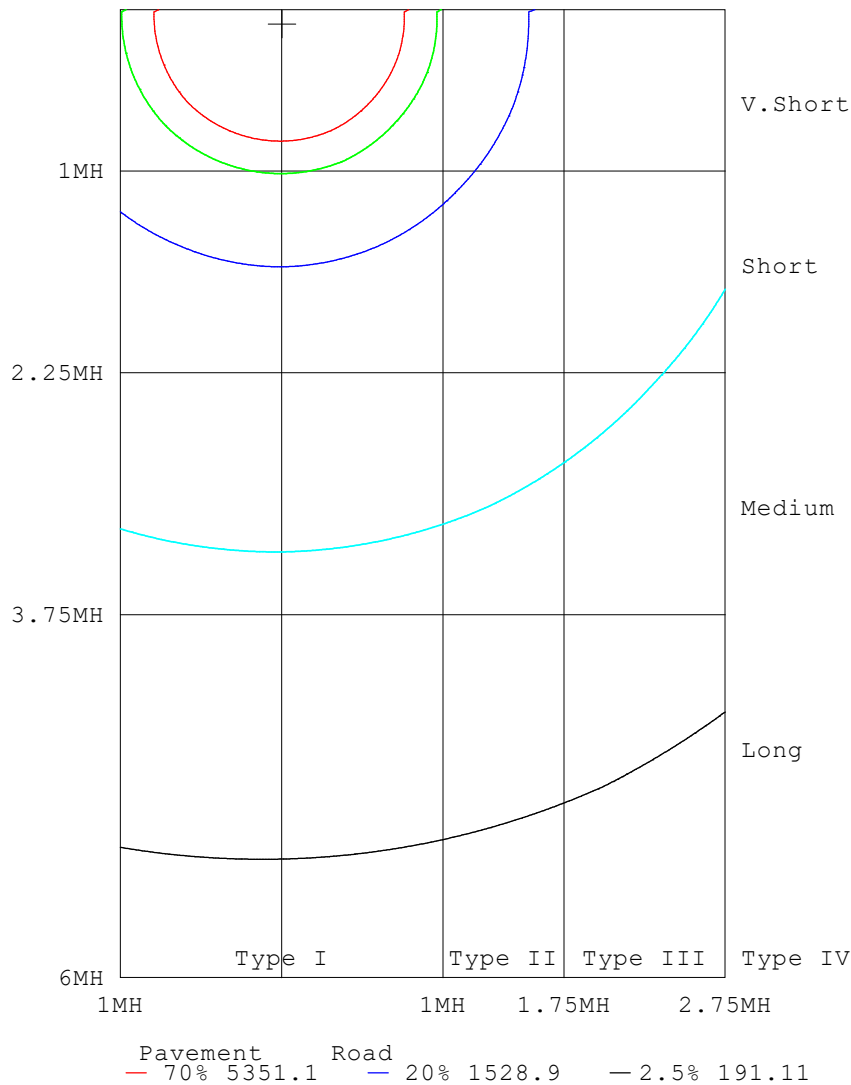
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 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:280.62V I:0.3612A P:100.03W PF:0.9868 Freq:60.01Hz Lamp Flux:15402.7x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

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	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540	7540			
5	7569	7554	7529	7525	7518	7492	7488	7472	7473	7487	7501	7511	7537	7540	7550	7554			
10	7518	7527	7482	7463	7427	7409	7391	7375	7365	7387	7415	7439	7482	7506	7523	7538			
15	7440	7440	7371	7338	7291	7275	7237	7227	7211	7242	7284	7308	7378	7425	7434	7472			
20	7303	7282	7209	7175	7117	7092	7058	7025	7016	7054	7104	7123	7217	7272	7310	7331			
25	7081	7071	6991	6939	6868	6837	6800	6775	6752	6797	6860	6887	6979	7048	7099	7119			
30	6732	6724	6627	6573	6474	6430	6388	6362	6325	6376	6458	6511	6619	6699	6758	6796			
35	6114	6117	5990	5922	5780	5730	5664	5651	5585	5641	5773	5844	5996	6090	6171	6199			
40	5115	5099	4973	4885	4747	4699	4619	4615	4545	4603	4723	4801	4972	5085	5206	5222			
45	3892	3899	3776	3711	3595	3568	3491	3488	3466	3501	3596	3615	3766	3854	3960	3975			
50	2810	2795	2708	2657	2583	2568	2509	2502	2515	2535	2607	2595	2705	2776	2859	2854			
55	1931	1901	1856	1828	1772	1761	1728	1730	1734	1740	1804	1803	1865	1919	1963	1965			
60	1277	1260	1234	1222	1182	1162	1146	1145	1154	1152	1205	1206	1246	1263	1309	1299			
65	841	832	814	805	778	760	750	750	759	759	793	795	819	830	861	854			
70	531	526	511	506	487	477	468	473	479	477	500	503	516	523	543	544			
75	320	318	308	304	292	283	281	283	284	290	300	306	310	317	328	329			
80	167	168	160	159	151	148	146	149	150	153	161	162	166	168	174	173			
85	54.9	55.2	49.1	49.1	44.2	44.9	43.9	47.7	48.9	49.8	54.6	54.5	57.8	57.3	60.1	57.2			
90	1.37	1.37	1.70	1.37	1.61	1.39	1.65	1.42	0.61	0.61	0.73	0.71	0.83	0.77	0.83	0.71			
95	1.50	1.59	1.57	1.65	1.61	1.72	1.69	1.77	0.44	0.45	0.44	0.45	0.43	0.45	0.55	0.45			
100	2.18	2.27	2.28	2.37	2.38	2.50	2.50	2.57	0.49	0.45	0.48	0.44	0.47	0.46	0.46	0.45			
105	3.27	3.35	3.40	3.46	3.55	3.69	3.76	3.81	0.66	0.58	0.65	0.55	0.62	0.53	0.62	0.53			
110	4.75	4.83	4.91	4.99	5.16	5.33	5.45	5.51	0.92	0.84	0.89	0.80	0.85	0.76	0.83	0.76			
115	6.64	6.72	6.85	6.97	7.23	7.42	7.61	7.66	1.42	1.36	1.38	1.29	1.32	1.25	1.29	1.24			
120	8.95	9.03	9.22	9.36	9.70	9.89	10.1	10.2	2.49	2.45	2.42	2.35	2.30	2.27	2.26	2.25			
125	11.5	11.6	11.8	11.9	12.3	12.5	12.7	12.8	4.08	4.06	3.95	3.87	3.76	3.75	3.70	3.72			
130	14.2	14.3	14.5	14.7	15.0	15.2	15.5	15.5	6.40	6.42	6.21	6.15	5.94	5.95	5.82	5.91			
135	17.0	17.0	17.3	17.4	17.8	18.0	18.3	18.3	9.27	9.32	9.01	8.97	8.66	8.71	8.52	8.66			
140	20.0	20.0	20.3	20.4	20.8	21.0	21.3	21.4	12.4	12.4	12.1	12.0	11.7	11.7	11.5	11.7			
145	23.3	23.4	23.6	23.7	24.1	24.3	24.6	24.7	16.1	16.1	15.7	15.6	15.3	15.3	15.1	15.2			
150	26.7	26.7	27.0	27.0	27.4	27.6	27.9	28.1	19.8	19.7	19.4	19.2	18.9	18.9	18.8	18.8			
155	29.8	29.9	30.1	30.2	30.4	30.7	31.0	31.1	24.2	24.1	23.9	23.5	23.3	23.3	23.1	23.2			
160	33.0	33.0	33.1	33.3	33.5	33.7	34.0	34.1	29.2	29.2	28.9	28.5	28.2	28.3	28.0	28.2			
165	36.0	36.1	36.2	36.2	36.4	36.7	36.7	36.9	34.5	34.6	34.3	34.1	33.7	33.7	33.5	33.5			
170	39.5	39.7	39.7	39.7	39.8	40.0	39.9	40.0	38.8	38.9	38.8	38.5	38.3	38.3	38.0	38.1			
175	42.2	42.4	42.4	42.3	42.2	42.5	42.5	42.6	42.2	42.1	42.2	42.1	41.9	41.8	41.9	41.8			
180	40.7	40.9	40.8	40.8	40.7	40.7	40.6	40.6	41.5	41.6	41.6	41.5	41.4	41.4	41.3	41.4			

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: