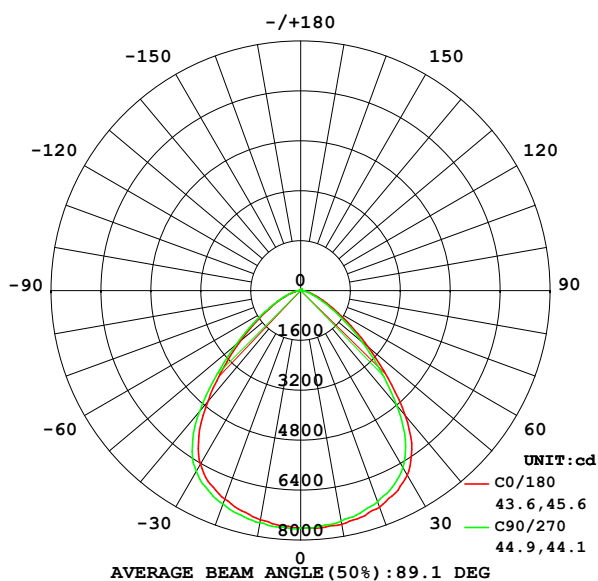
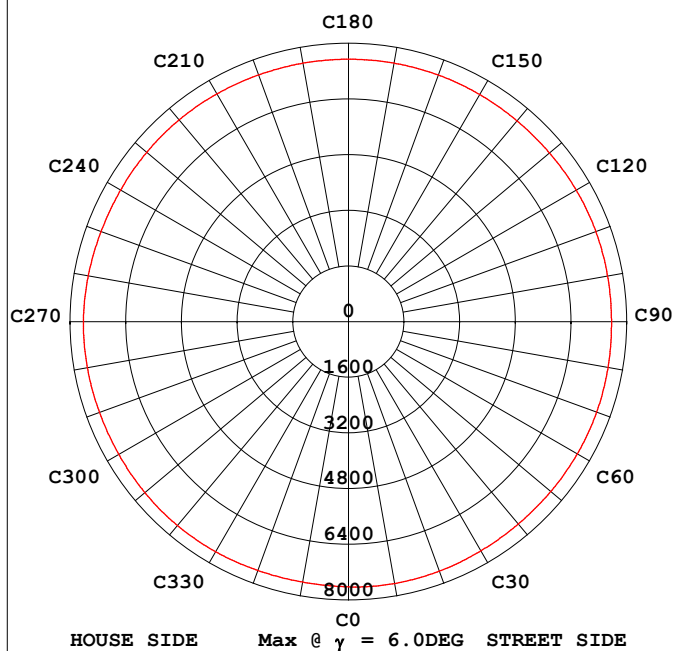


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.60 lm/W			
MODEL		Imax (cd)	7649	η street_up (%)	0.3
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	49.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	15528	η house_up (%)	0.2
NOMINAL FLUX (lm)	15527.5	MAXIMUM @ (C, γ)	315, 6.0	η house_down (%)	50.1
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	21.080

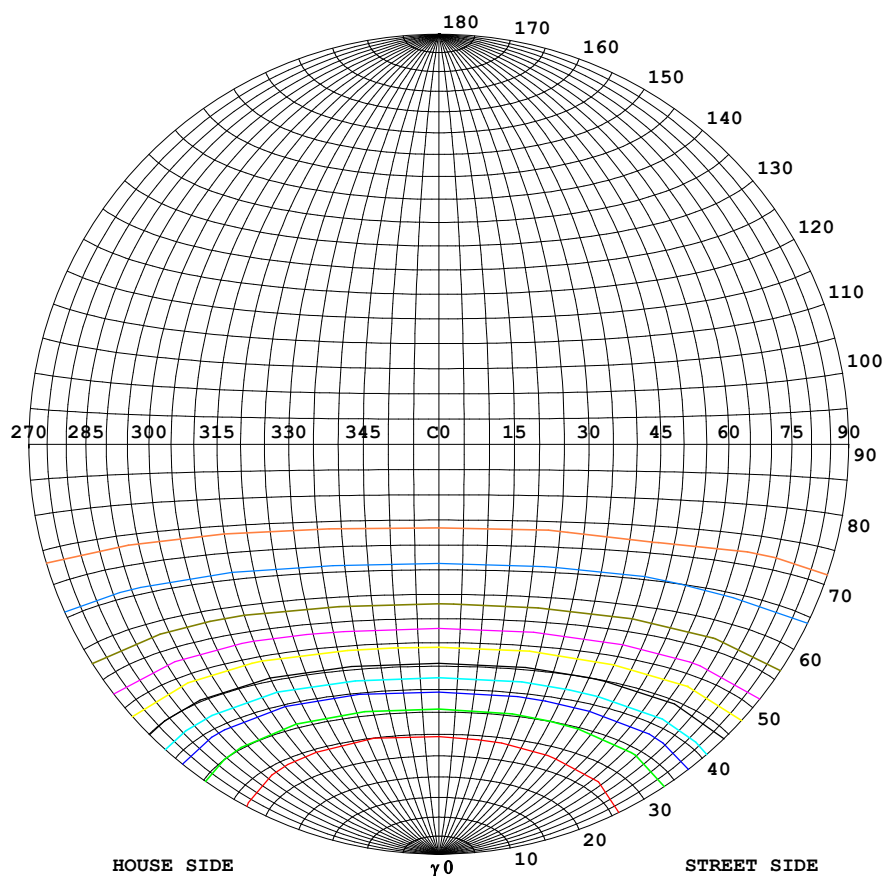
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



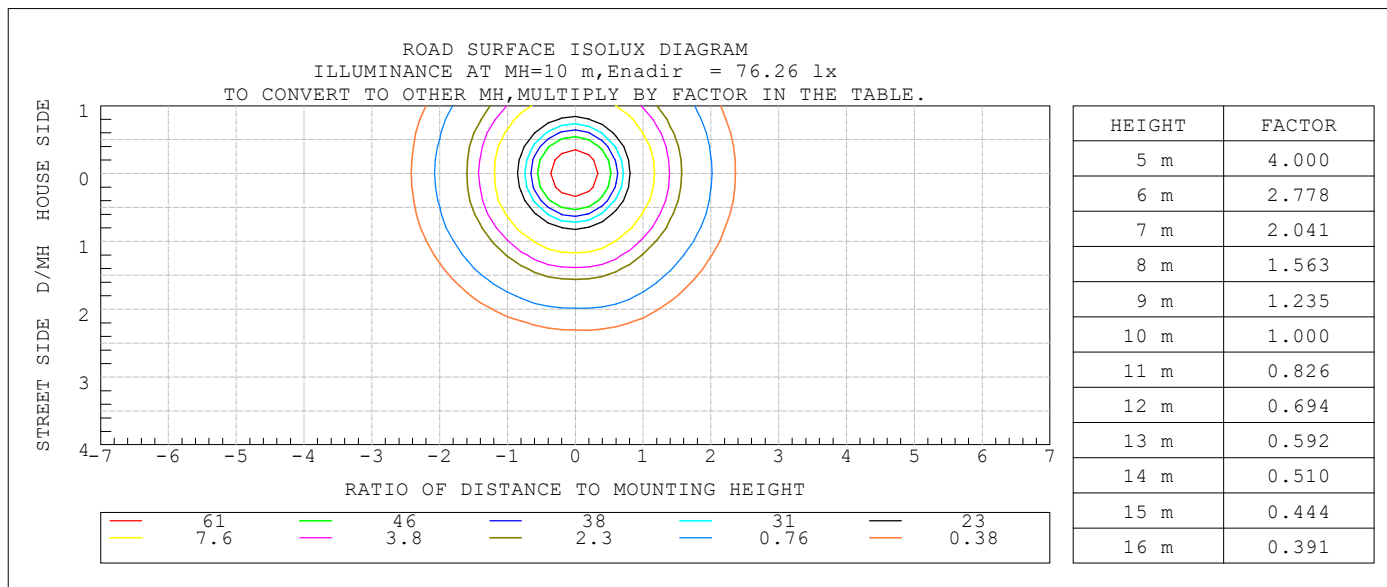
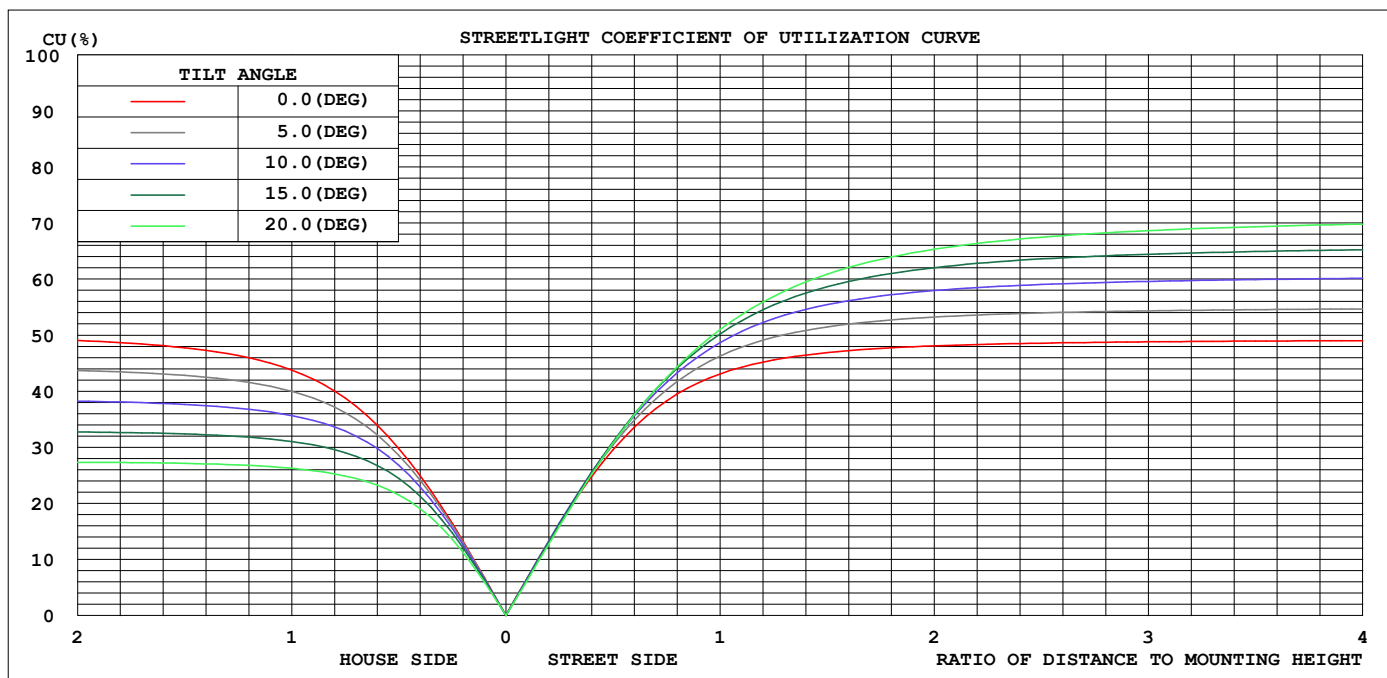
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.27cd/klm
Max.At90:0.1288cd/klm
Max.80-90:11.27cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7649
90%	6884
80%	6120
70%	5355
60%	4590
50%	3825
40%	3060
30%	2295
20%	1530
10%	765
5%	382

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:

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:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

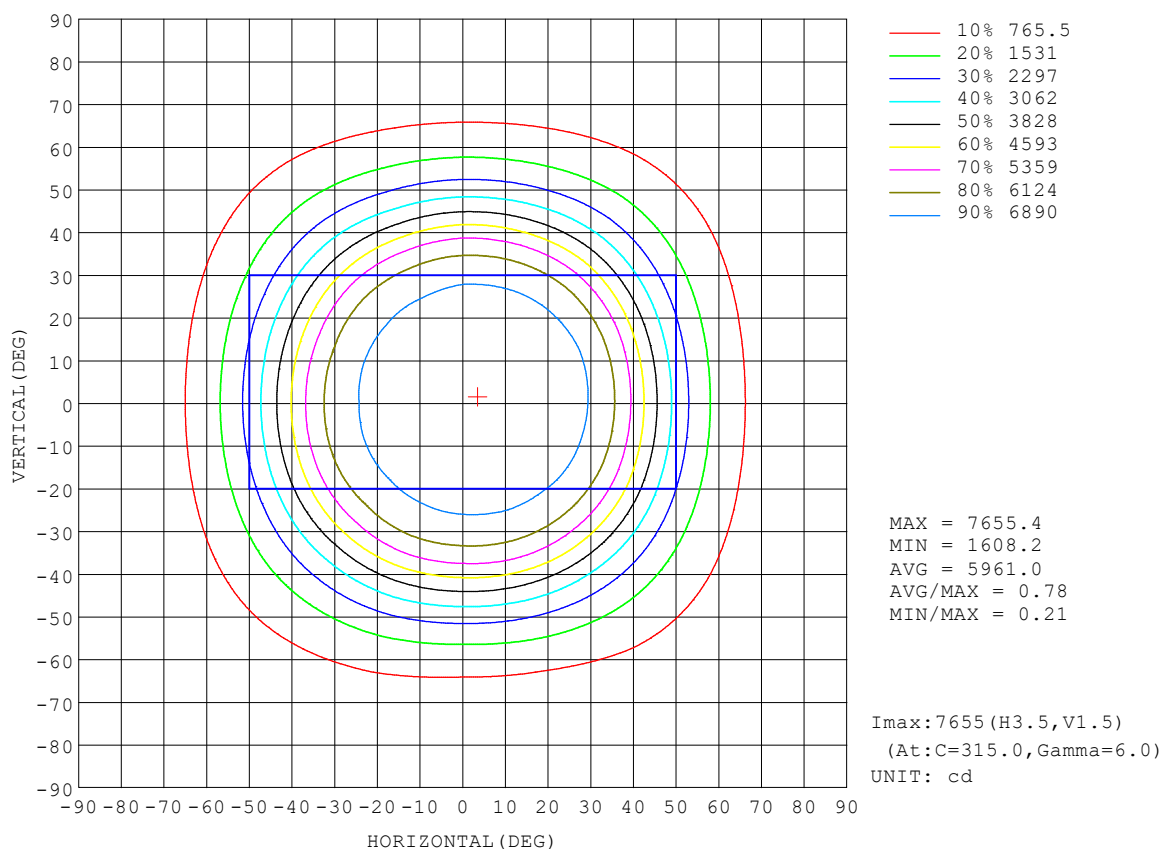
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	7606	7565	7507	7465	7467	7489	7554	7597	0- 10	722.9	722.9	4.66,4.66
20	7391	7299	7209	7140	7111	7165	7284	7388	10- 20	2095	2818	18.1,18.1
30	6837	6719	6561	6467	6429	6527	6688	6843	20- 30	3225	6043	38.9,38.9
40	5216	5034	4794	4652	4627	4756	5040	5263	30- 40	3684	9727	62.6,62.6
50	2856	2724	2603	2518	2554	2611	2729	2869	40- 50	2879	12606	81.2,81.2
60	1299	1237	1113	1145	1171	1210	1255	1313	50- 60	1670	14277	91.9,91.9
70	534.6	487.0	409.9	465.3	480.8	502.2	519.5	545.2	60- 70	801.5	15078	97.1,97.1
80	167.9	143.7	145.7	144.1	149.8	160.6	168.3	174.9	70- 80	321.4	15400	99.2,99.2
90	1.418	1.496	1.995	1.770	0.6388	1.035	1.579	1.214	80- 90	62.34	15462	99.6,99.6
100	2.225	2.492	2.900	2.791	0.5146	0.4778	1.065	0.7964	90-100	1.573	15463	99.6,99.6
110	4.827	5.113	5.617	5.690	0.9173	0.8660	1.113	1.054	100-110	2.500	15466	99.6,99.6
120	9.095	9.434	10.17	10.41	2.462	2.450	2.342	2.662	110-120	4.498	15470	99.6,99.6
130	14.38	14.77	15.48	15.83	6.366	6.345	6.005	6.443	120-130	7.462	15478	99.7,99.7
140	20.29	20.57	21.15	21.78	12.36	12.28	11.92	12.35	130-140	10.50	15488	99.7,99.7
150	27.00	27.18	27.71	28.34	19.70	19.65	19.26	19.76	140-150	12.57	15501	99.8,99.8
160	33.39	33.49	33.94	34.76	29.20	29.09	28.67	29.06	150-160	12.62	15514	99.9,99.9
170	40.00	39.94	40.15	40.85	39.18	38.96	38.45	38.54	160-170	9.961	15524	100,100
180	41.22	41.16	41.33	41.31	41.96	41.85	42.00	42.02	170-180	3.970	15528	100,100
DEG	LUMINOUS INTENSITY:cd									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

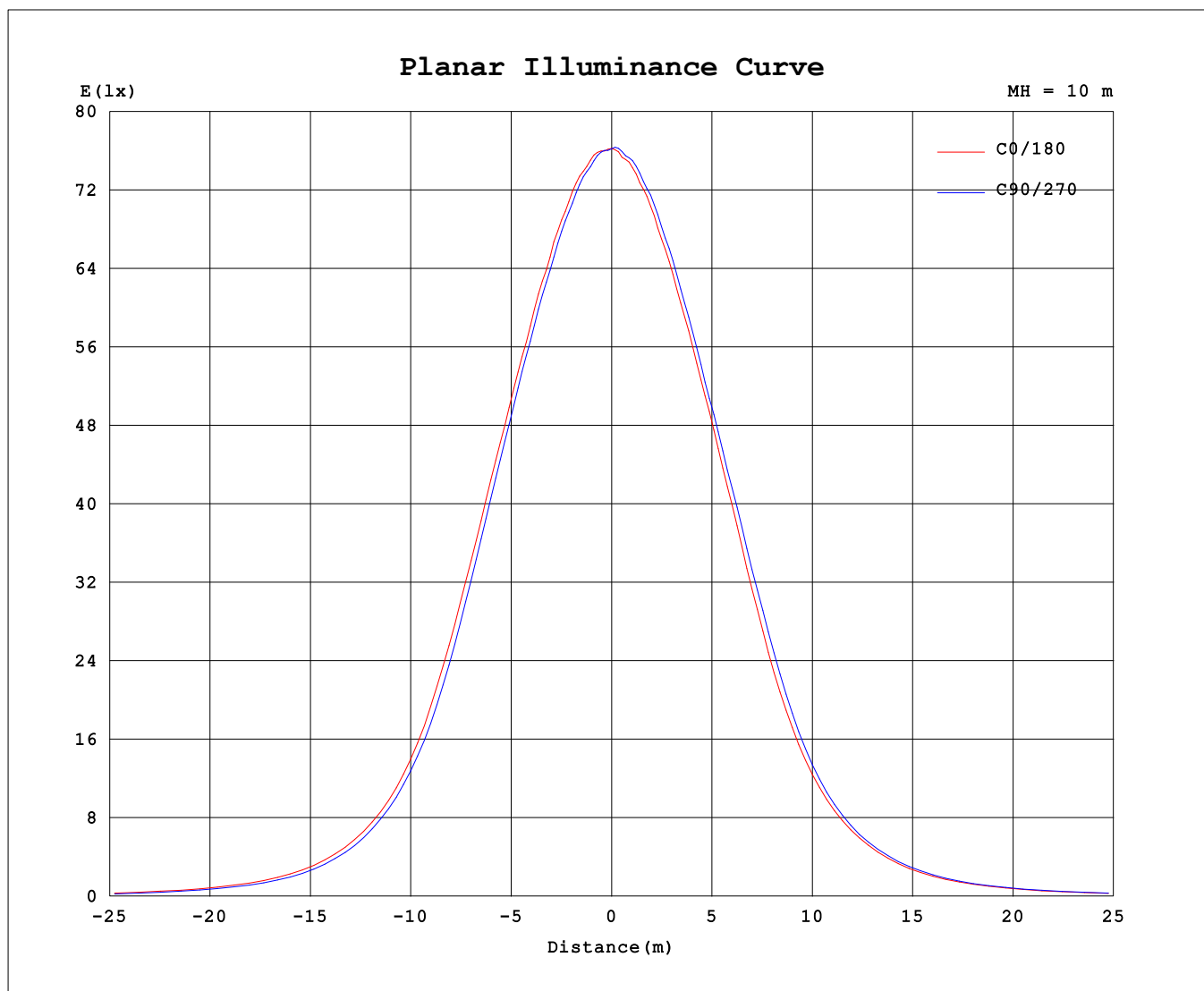
Test:U:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

Planar Illuminance Curve

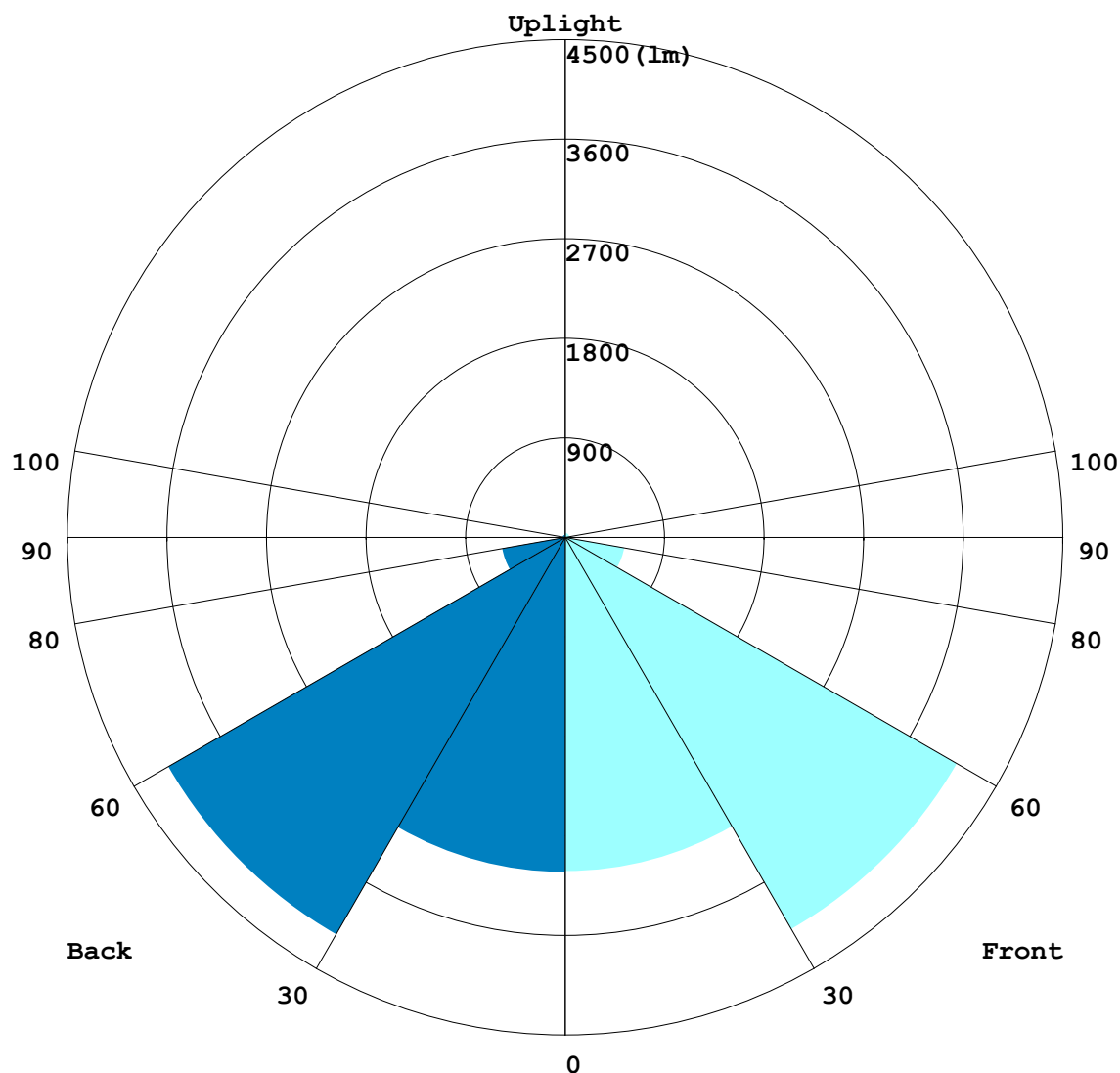


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4 °C
Operators: DAMIN
Test Date: 2023-12-15

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:

LCS REPORT

Test:U:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 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:2023-12-15

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:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 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)	3016.2	19.4
FM - Front-Medium(30-60)	4089.8	26.3
FH - Front-High(60-80)	544.62	3.5
FVH - Front-Very High(80-90)	28.923	0.2
Total Forward Light	7721.1	49.7

BL - Back-Low(0-30)	3026.6	19.5
BM - Back-Medium(30-60)	4144	26.7
BH - Back-High(60-80)	578.28	3.7
BVH - Back-Very High(80-90)	33.414	0.2
Total Back Light	7806.5	50.3

UL - Uplight-Low(90-100)	1.5734	0.0
UH - Uplight-High(100-180)	64.08	0.4
Total Up Light	65.654	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7782.3	24.195	7806.5
Street Side	7679.6	41.458	7721.1

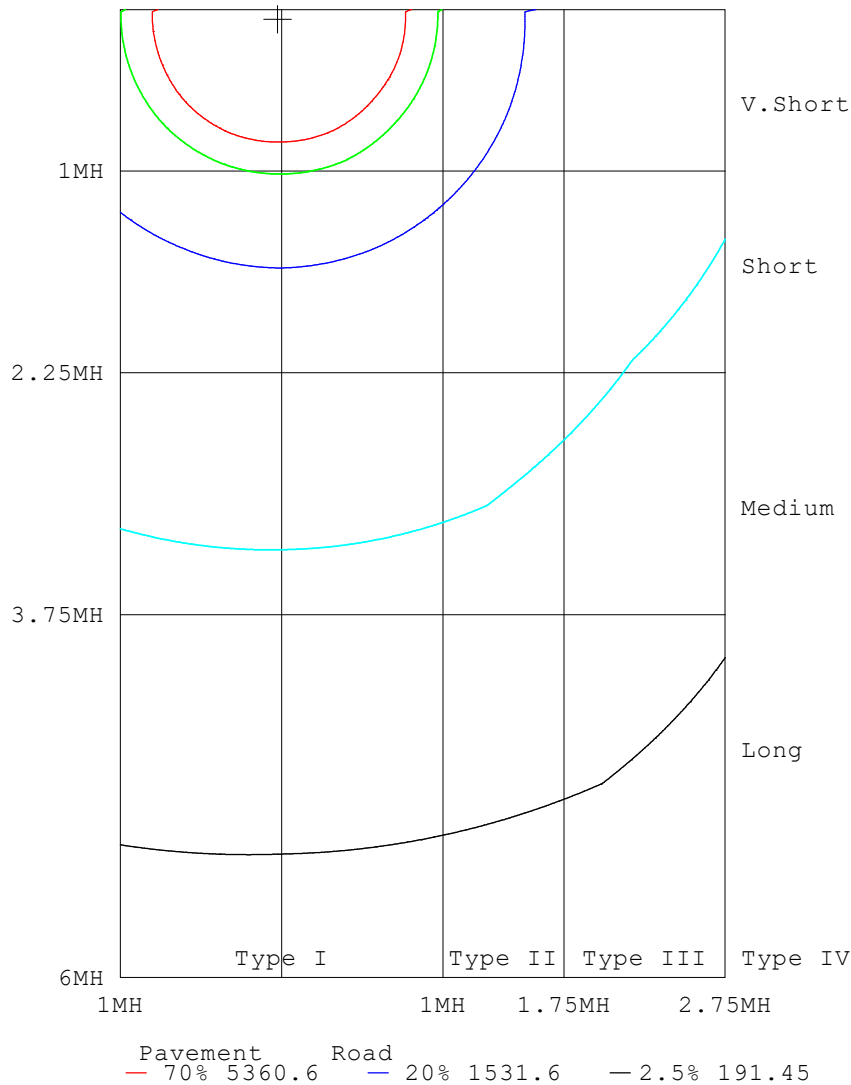
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.4℃
Operators:DAMIN
Test Date:2023-12-15

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:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 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:2023-12-15

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:280.60V I:0.3474A P:96.085W PF:0.9856 Freq:60.01Hz Lamp Flux:15527.5x1 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	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619	7619			
5	7637	7630	7613	7598	7583	7565	7569	7548	7565	7572	7571	7600	7614	7628	7628	7636			
10	7606	7597	7565	7523	7507	7473	7465	7444	7467	7476	7489	7530	7554	7589	7597	7630			
15	7522	7506	7467	7397	7387	7341	7325	7301	7314	7340	7354	7395	7445	7506	7524	7548			
20	7391	7357	7299	7236	7209	7164	7140	7100	7111	7148	7165	7223	7284	7362	7388	7407			
25	7172	7138	7078	6994	6958	6908	6883	6836	6848	6879	6918	6987	7041	7131	7173	7192			
30	6837	6791	6719	6623	6561	6498	6467	6422	6429	6458	6527	6606	6688	6784	6843	6862			
35	6221	6177	6074	5968	5859	5783	5730	5690	5695	5728	5831	5933	6057	6165	6256	6256			
40	5216	5168	5034	4918	4794	4733	4652	4625	4627	4656	4756	4858	5040	5150	5263	5267			
45	3956	3932	3797	3707	3623	3586	3498	3486	3509	3539	3592	3639	3791	3889	3990	3982			
50	2856	2819	2724	2647	2603	2593	2518	2502	2554	2566	2611	2616	2729	2802	2869	2852			
55	1970	1922	1867	1800	1740	1770	1728	1727	1765	1765	1808	1818	1885	1934	1973	1970			
60	1299	1271	1237	1178	1113	1163	1145	1142	1171	1167	1210	1210	1255	1278	1313	1295			
65	850	836	802	702	699	759	749	748	766	765	794	797	824	839	863	852			
70	535	529	487	479	410	476	465	470	481	476	502	502	520	529	545	541			
75	320	318	240	249	280	264	278	276	284	287	300	304	314	320	329	327			
80	168	167	144	128	146	122	144	141	150	151	161	161	168	170	175	172			
85	54.6	53.7	45.1	44.2	43.6	39.4	43.5	45.2	48.4	49.2	54.6	54.5	58.6	58.1	60.3	56.8			
90	1.42	1.41	1.50	2.00	1.99	1.82	1.77	1.96	0.64	0.70	1.04	1.29	1.58	1.41	1.21	0.94			
95	1.53	1.62	1.75	2.46	2.18	2.15	2.02	2.31	0.48	0.48	0.61	0.96	1.07	1.08	0.82	0.69			
100	2.22	2.32	2.49	3.17	2.90	2.93	2.79	3.10	0.51	0.48	0.48	0.75	1.06	1.05	0.80	0.70			
105	3.33	3.42	3.61	4.01	4.04	4.15	3.99	4.33	0.67	0.59	0.60	0.54	1.06	1.10	0.83	0.83			
110	4.83	4.90	5.11	5.46	5.62	5.80	5.69	6.01	0.92	0.84	0.87	0.71	1.11	1.27	1.05	1.10			
115	6.75	6.83	7.06	7.42	7.70	7.93	7.89	8.17	1.40	1.38	1.38	1.22	1.42	1.69	1.61	1.62			
120	9.09	9.17	9.43	9.84	10.2	10.4	10.4	10.7	2.46	2.48	2.45	2.32	2.34	2.65	2.66	2.66			
125	11.7	11.7	12.0	12.4	12.8	13.1	13.0	13.3	4.04	4.10	4.03	3.91	3.76	4.14	4.21	4.19			
130	14.4	14.5	14.8	15.2	15.5	15.9	15.8	16.2	6.37	6.50	6.34	6.21	6.01	6.37	6.44	6.43			
135	17.2	17.3	17.6	17.9	18.2	18.7	18.7	19.1	9.23	9.44	9.17	9.10	8.78	9.09	9.24	9.24			
140	20.3	20.3	20.6	20.9	21.2	21.7	21.8	22.1	12.4	12.6	12.3	12.2	11.9	12.0	12.3	12.3			
145	23.6	23.7	23.9	24.1	24.4	24.9	25.0	25.5	16.0	16.2	15.9	15.8	15.6	15.7	16.0	16.0			
150	27.0	27.1	27.2	27.5	27.7	28.4	28.3	29.0	19.7	19.9	19.6	19.4	19.3	19.3	19.8	19.6			
155	30.2	30.3	30.3	30.6	30.9	31.4	31.7	32.1	24.2	24.3	24.1	23.9	23.7	23.7	24.2	24.1			
160	33.4	33.3	33.5	33.6	33.9	34.4	34.8	35.0	29.2	29.4	29.1	29.0	28.7	28.8	29.1	29.2			
165	36.4	36.5	36.5	36.7	36.8	37.2	37.6	37.9	34.8	34.9	34.6	34.4	34.2	34.1	34.4	34.5			
170	40.0	40.0	39.9	40.1	40.2	40.5	40.9	40.9	39.2	39.3	39.0	39.1	38.5	38.6	38.5	39.0			
175	42.6	42.8	42.7	42.9	42.9	43.4	43.4	43.4	42.7	42.6	42.6	42.6	42.7	42.6	42.3	42.7			
180	41.2	41.2	41.2	41.2	41.3	41.6	41.3	41.4	42.0	42.0	41.9	42.1	42.0	42.4	42.0	42.2			

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: