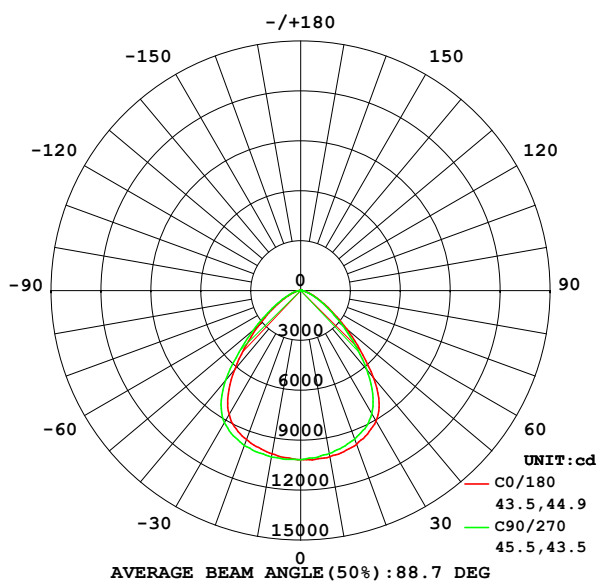
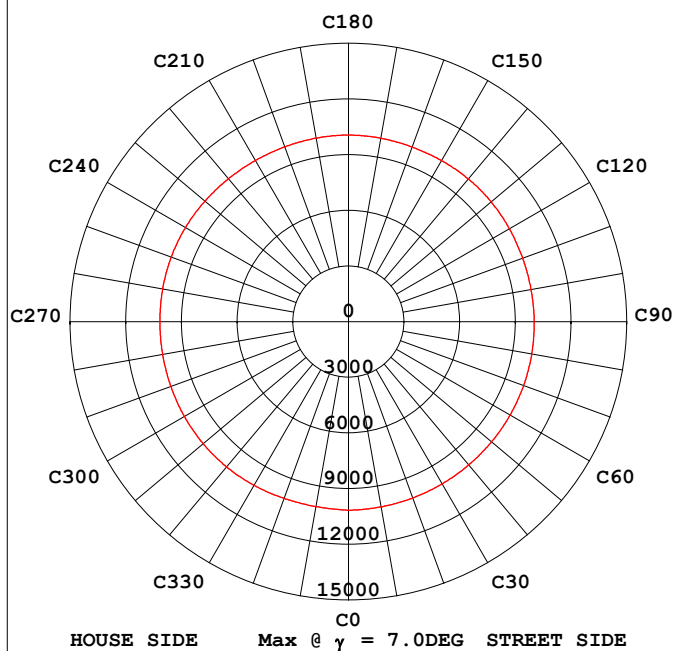


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.35 lm/W			
MODEL		Imax (cd)	10231	η street_up (%)	0.3
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	48.7
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	20693	η house_up (%)	0.2
NOMINAL FLUX (lm)	20692.5	MAXIMUM @ (C, γ)	315, 7.0	η house_down (%)	50.8
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	21.458

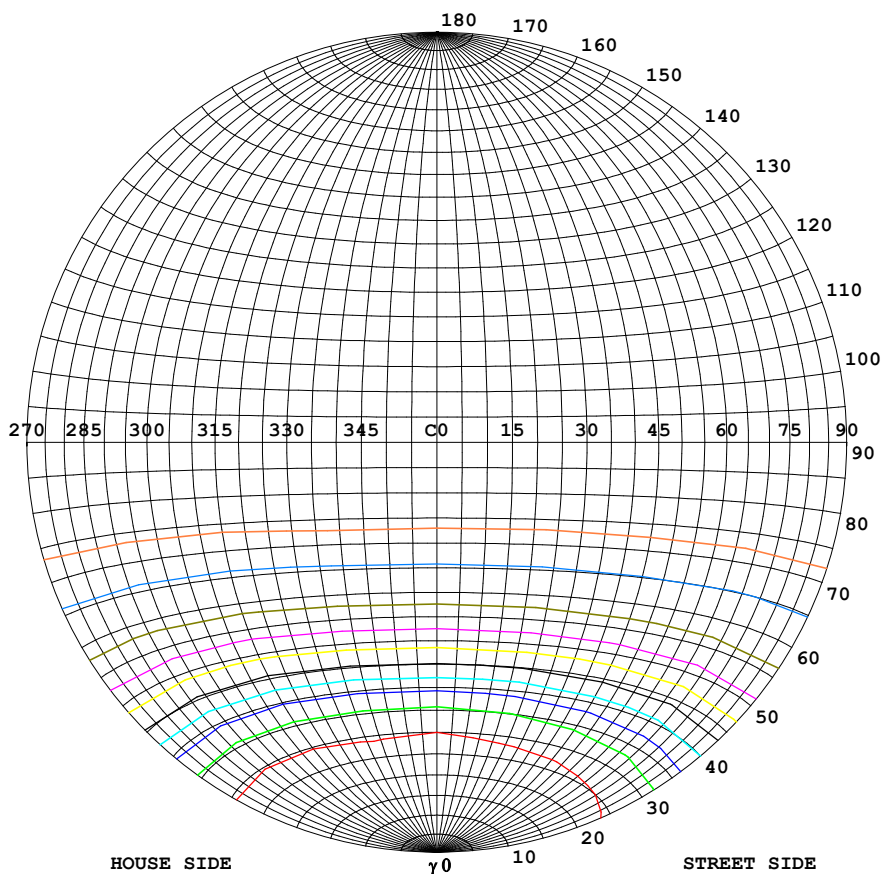
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



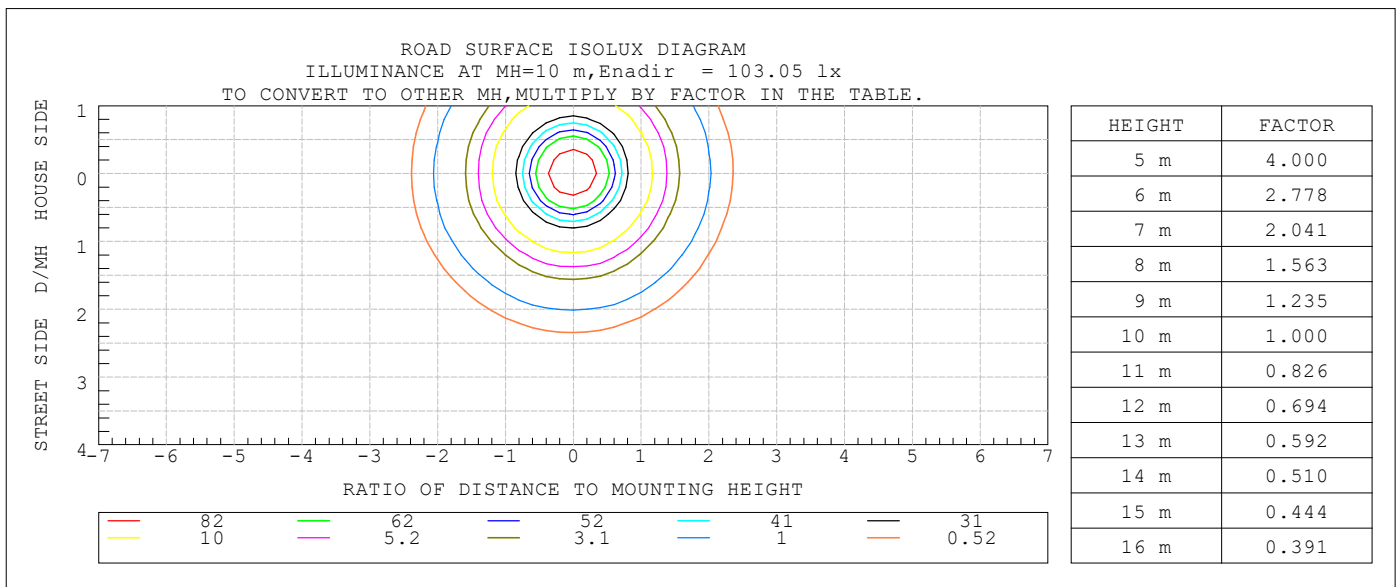
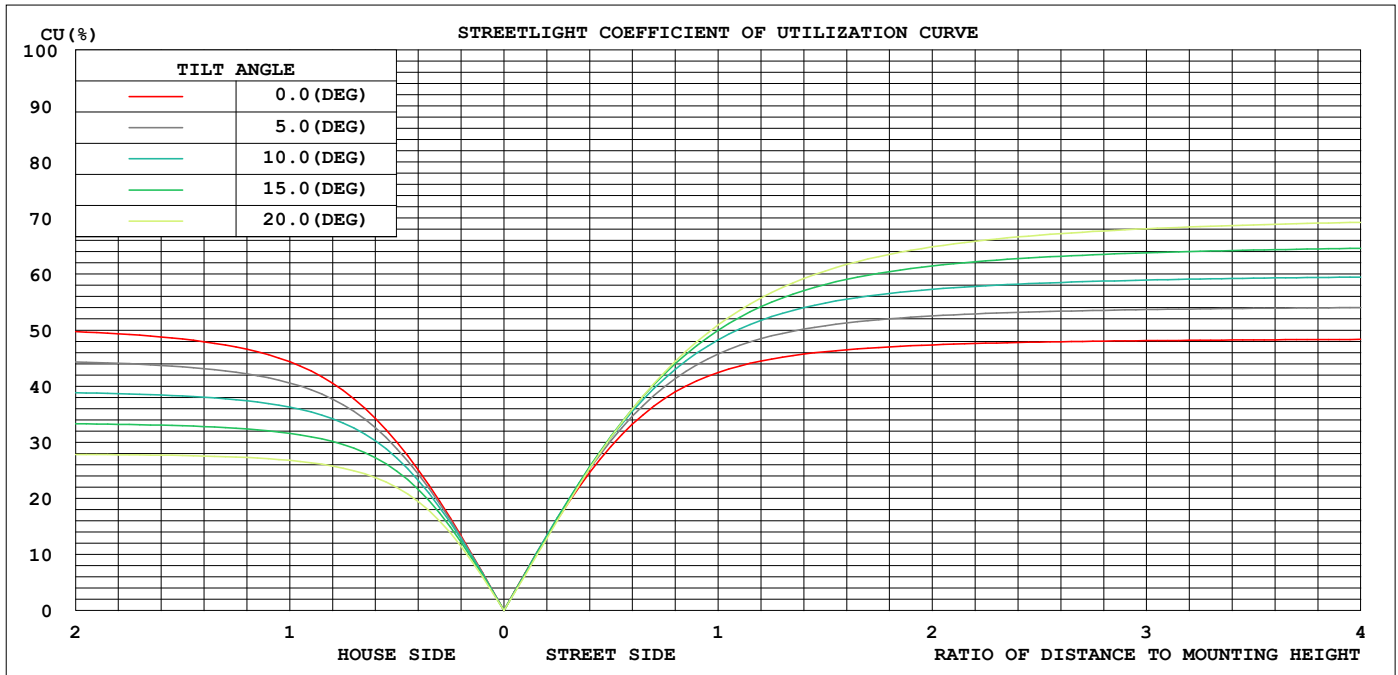
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:10.93cd/klm
Max.At90:0.1265cd/klm
Max.80-90:10.93cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10231
90%	9208
80%	8185
70%	7162
60%	6139
50%	5116
40%	4093
30%	3069
20%	2046
10%	1023
5%	512

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:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

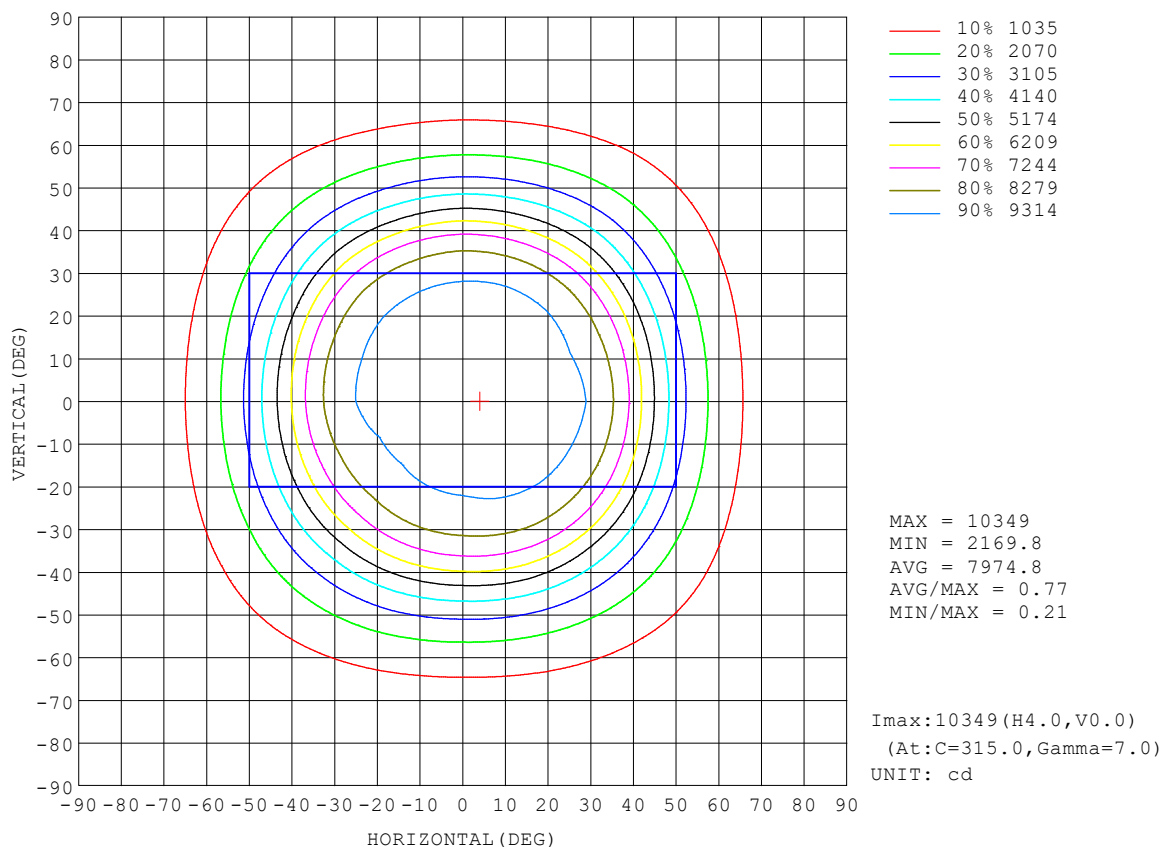
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1014	1002	994.8	992.8	995.9	1006	1016	1020	0- 10	964.0	964.0	4.66,4.66
20	984.3	963.7	950.2	945.5	953.0	972.6	990.6	997.4	10- 20	2798	3762	18.2,18.2
30	907.3	883.8	855.3	846.2	860.7	892.7	917.7	928.1	20- 30	4309	8071	39,39
40	681.9	651.2	618.0	602.8	616.0	670.9	700.3	715.2	30- 40	4919	12990	62.8,62.8
50	364.1	351.0	334.5	331.1	335.8	353.8	375.4	388.7	40- 50	3821	16811	81.2,81.2
60	164.5	158.2	153.5	152.6	154.6	160.5	171.0	176.2	50- 60	2213	19024	91.9,91.9
70	67.85	64.65	62.70	62.47	63.79	65.82	70.86	72.73	60- 70	1069	20093	97.1,97.1
80	21.43	20.54	20.07	20.06	20.53	21.01	22.33	20.79	70- 80	431.4	20525	99.2,99.2
90	0.1810	0.1806	0.1883	0.2618	0.0871	0.0904	0.0941	0.0995	80- 90	81.52	20606	99.6,99.6
100	0.2983	0.3097	0.3299	0.3591	0.0632	0.0616	0.0613	0.0679	90-100	1.674	20608	99.6,99.6
110	0.6426	0.6807	0.7209	0.7609	0.1185	0.1143	0.1114	0.1162	100-110	3.060	20611	99.6,99.6
120	1.213	1.294	1.351	1.408	0.3208	0.3106	0.3004	0.3043	110-120	5.851	20617	99.6,99.6
130	1.912	2.003	2.075	2.144	0.8477	0.8102	0.7777	0.7806	120-130	9.833	20627	99.7,99.7
140	2.684	2.787	2.852	2.939	1.666	1.608	1.543	1.550	130-140	13.87	20641	99.7,99.7
150	3.588	3.675	3.742	3.833	2.678	2.597	2.525	2.543	140-150	16.69	20657	99.8,99.8
160	4.445	4.500	4.560	4.633	3.937	3.847	3.766	3.770	150-160	16.76	20674	99.9,99.9
170	5.327	5.349	5.379	5.458	5.300	5.202	5.136	5.130	160-170	13.24	20687	100,100
180	5.516	5.493	5.491	5.504	5.648	5.612	5.608	5.613	170-180	5.294	20693	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

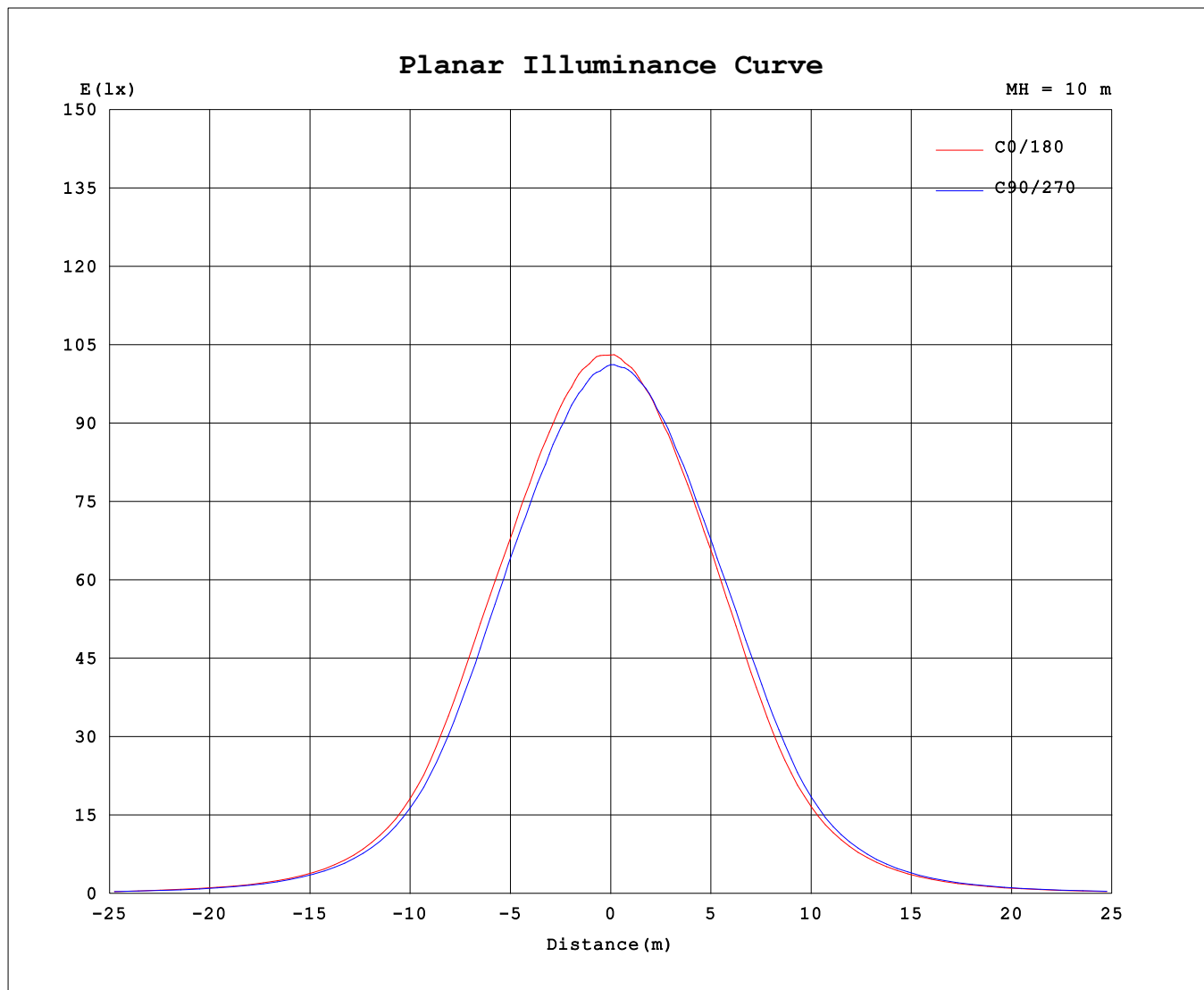
Test:U:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



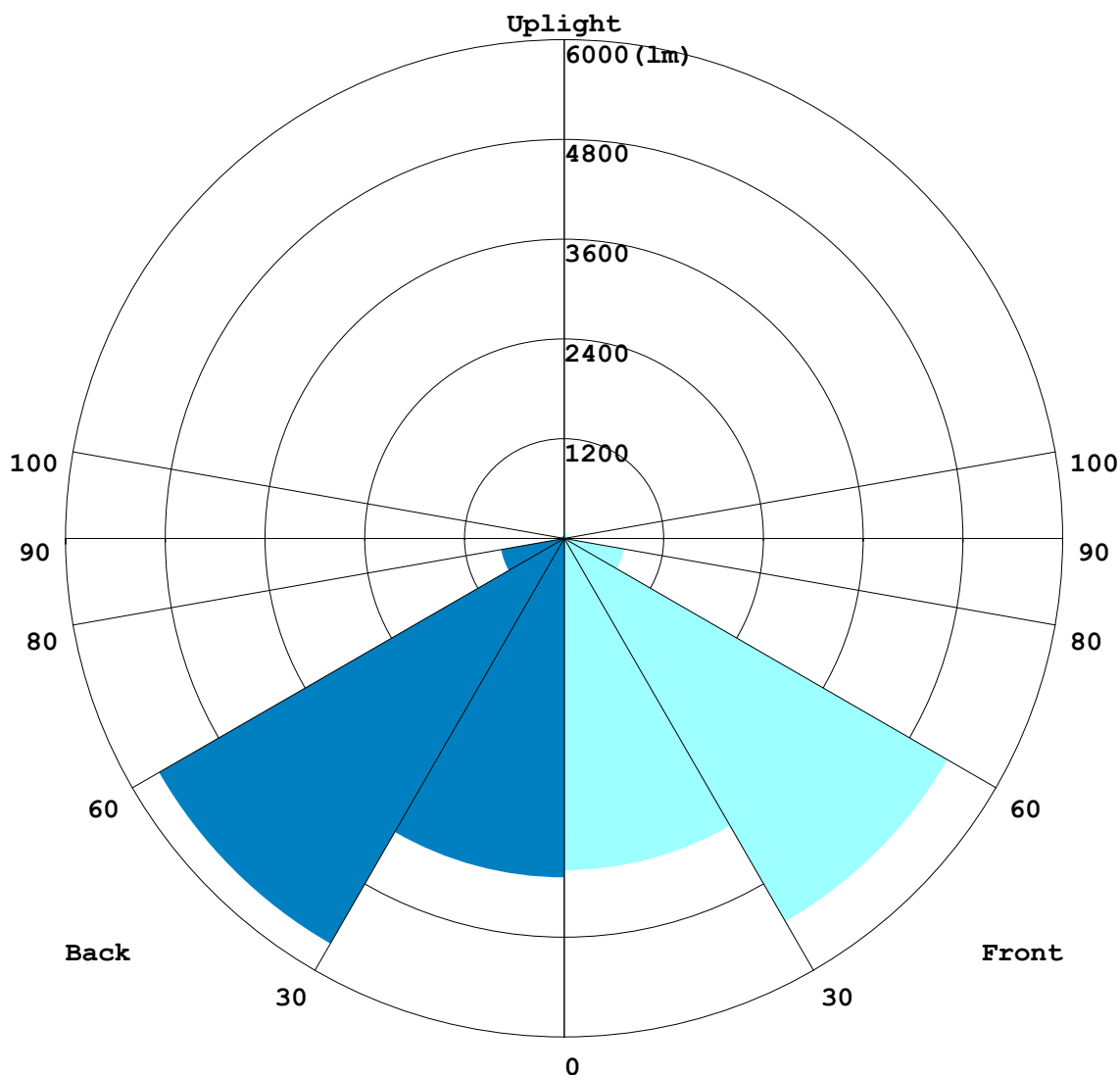
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5°C
Operators:DAMIN
Test Date:2023-12-15

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:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 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: 23.5℃
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:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 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)	3992.5	19.3
FM - Front-Medium(30-60)	5323.7	25.7
FH - Front-High(60-80)	730.2	3.5
FVH - Front-Very High(80-90)	41.015	0.2
Total Forward Light	10142	49.0

BL - Back-Low(0-30)	4078.5	19.7
BM - Back-Medium(30-60)	5629.6	27.2
BH - Back-High(60-80)	770.17	3.7
BVH - Back-Very High(80-90)	40.501	0.2
Total Back Light	10550	51.0

UL - Uplight-Low(90-100)	1.6742	0.0
UH - Uplight-High(100-180)	84.605	0.4
Total Up Light	86.279	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10519	31.237	10550
Street Side	10087	55.043	10142

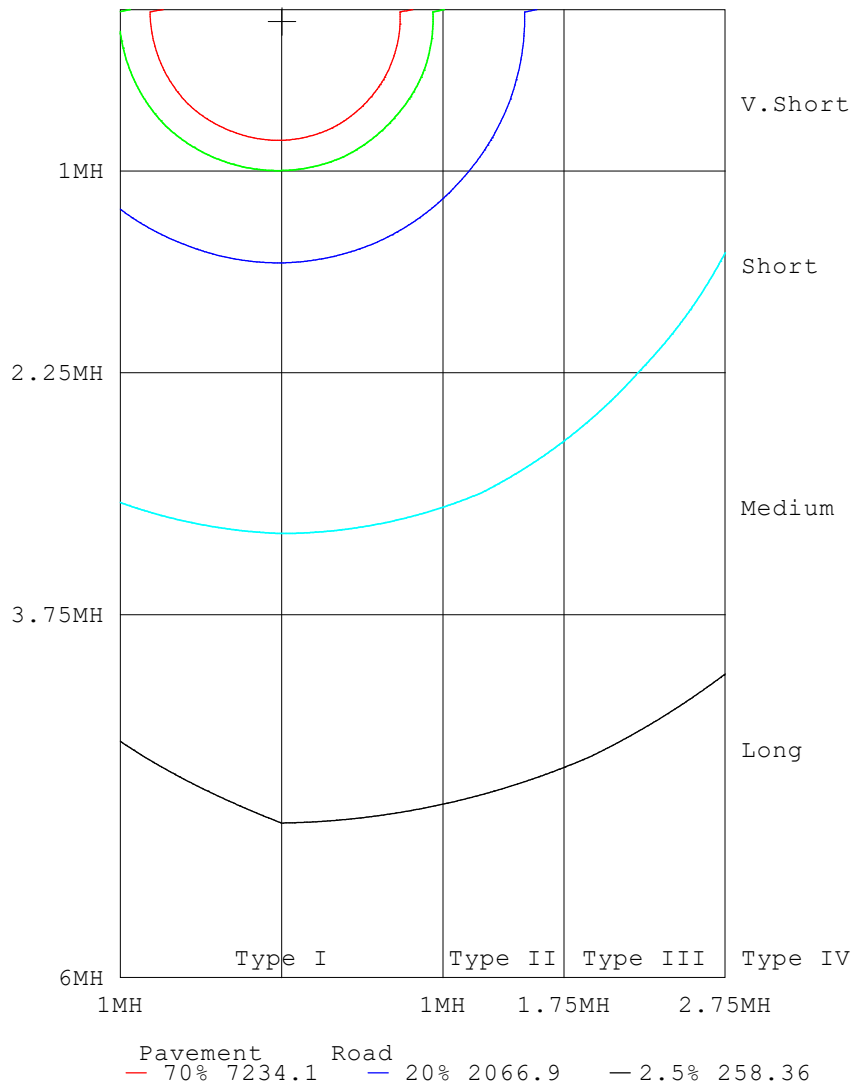
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-15

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:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 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: 23.5℃
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:280.52V I:0.5330A P:148.49W PF:0.9931 Freq:60.01Hz Lamp Flux:20692.5x1 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	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016			
5	1018	1014	1012	1010	1008	1007	1007	1007	1008	1008	1014	1016	1017	1019	1019	1019			
10	1014	1007	1002	999	995	993	993	994	996	999	1006	1010	1016	1018	1020	1016			
15	1003	992	987	982	975	974	974	974	977	983	991	999	1007	1011	1013	1008			
20	984	969	964	959	950	947	946	947	953	959	973	978	991	994	997	990			
25	952	938	934	926	915	909	908	911	918	926	941	949	962	965	970	962			
30	907	893	884	873	855	848	846	853	861	875	893	901	918	921	928	919			
35	824	811	793	777	757	748	744	752	760	782	808	820	836	839	850	840			
40	682	672	651	638	618	610	603	612	616	640	671	681	700	704	715	705			
45	507	503	487	482	465	461	455	460	465	475	500	507	526	530	540	529			
50	364	359	351	347	335	335	331	333	336	339	354	362	375	380	389	378			
55	248	247	239	239	231	233	229	229	233	235	244	249	258	261	266	257			
60	165	163	158	158	153	155	153	151	155	156	160	164	171	174	176	169			
65	108	107	103	103	100	101	100	99.2	102	102	105	108	112	114	116	111			
70	67.9	67.0	64.6	64.5	62.7	63.1	62.5	61.7	63.8	64.3	65.8	67.5	70.9	71.8	72.7	69.4			
75	40.8	40.8	38.9	38.9	37.8	37.9	37.7	37.2	38.5	38.5	39.7	40.7	43.2	43.2	44.0	38.5			
80	21.4	21.1	20.5	20.6	20.1	20.1	20.1	19.9	20.5	20.4	21.0	21.4	22.3	22.6	20.8	15.5			
85	6.75	6.91	6.49	6.75	6.42	6.71	6.44	6.63	6.75	6.43	6.80	6.61	7.14	6.89	6.07	4.62			
90	0.18	0.18	0.18	0.19	0.19	0.21	0.26	0.22	0.09	0.08	0.09	0.08	0.09	0.12	0.10	0.08			
95	0.20	0.21	0.21	0.22	0.22	0.25	0.25	0.25	0.06	0.06	0.06	0.06	0.06	0.09	0.06	0.07			
100	0.30	0.31	0.31	0.32	0.33	0.35	0.36	0.34	0.06	0.06	0.06	0.06	0.06	0.08	0.07	0.07			
105	0.45	0.45	0.47	0.48	0.49	0.52	0.53	0.50	0.09	0.08	0.08	0.07	0.08	0.09	0.09	0.09			
110	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.72	0.12	0.11	0.11	0.11	0.11	0.11	0.12	0.12			
115	0.90	0.92	0.96	0.98	1.01	1.03	1.06	1.02	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.18			
120	1.21	1.25	1.29	1.32	1.35	1.38	1.41	1.37	0.32	0.32	0.31	0.31	0.30	0.30	0.30	0.32			
125	1.55	1.59	1.64	1.68	1.71	1.74	1.77	1.73	0.53	0.52	0.51	0.51	0.49	0.50	0.49	0.51			
130	1.91	1.95	2.00	2.05	2.08	2.11	2.14	2.11	0.85	0.84	0.81	0.81	0.78	0.79	0.78	0.80			
135	2.28	2.33	2.38	2.42	2.45	2.49	2.53	2.49	1.24	1.21	1.19	1.17	1.14	1.14	1.15	1.16			
140	2.68	2.73	2.79	2.83	2.85	2.90	2.94	2.91	1.67	1.63	1.61	1.58	1.54	1.55	1.55	1.56			
145	3.13	3.17	3.23	3.27	3.29	3.34	3.39	3.35	2.17	2.13	2.10	2.08	2.03	2.04	2.04	2.06			
150	3.59	3.62	3.67	3.72	3.74	3.79	3.83	3.80	2.68	2.62	2.60	2.57	2.53	2.54	2.54	2.55			
155	4.02	4.03	4.08	4.14	4.15	4.20	4.25	4.21	3.27	3.21	3.17	3.16	3.10	3.12	3.13	3.14			
160	4.45	4.44	4.50	4.54	4.56	4.61	4.63	4.61	3.94	3.88	3.85	3.80	3.77	3.76	3.77	3.78			
165	4.87	4.86	4.89	4.93	4.94	5.00	5.04	5.01	4.70	4.62	4.58	4.55	4.50	4.50	4.50	4.51			
170	5.33	5.32	5.35	5.38	5.38	5.43	5.46	5.46	5.30	5.21	5.20	5.17	5.14	5.14	5.13	5.16			
175	5.72	5.70	5.70	5.73	5.72	5.74	5.76	5.76	5.77	5.67	5.68	5.65	5.65	5.64	5.68	5.68			
180	5.52	5.50	5.49	5.51	5.49	5.50	5.50	5.51	5.65	5.57	5.61	5.60	5.61	5.59	5.61	5.60			

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: