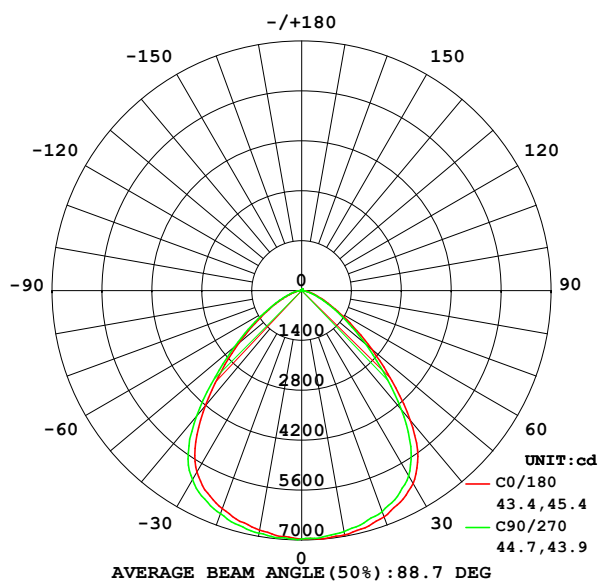
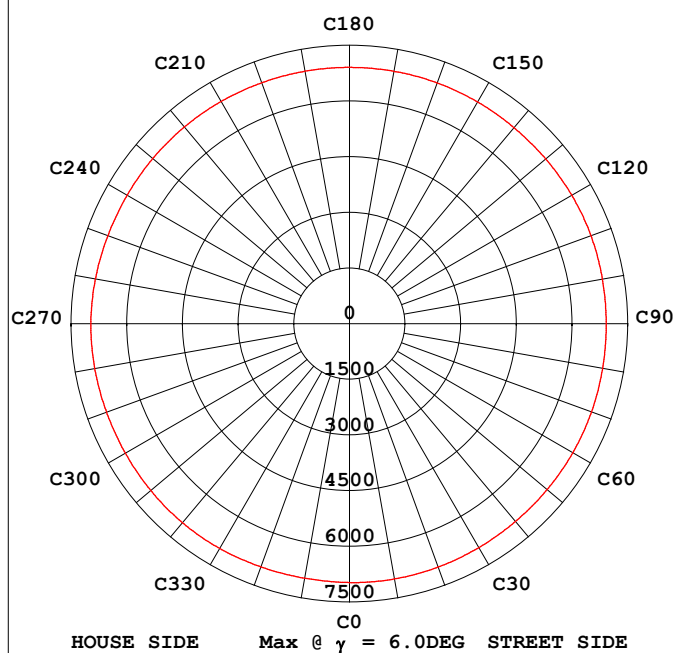


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.60V I:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.02 lm/W			
MODEL		I _{max} (cd)	7000	η street_up (%)	0.3
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	49.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	14151	η house_up (%)	0.2
NOMINAL FLUX (lm)	14151.1	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	20.921

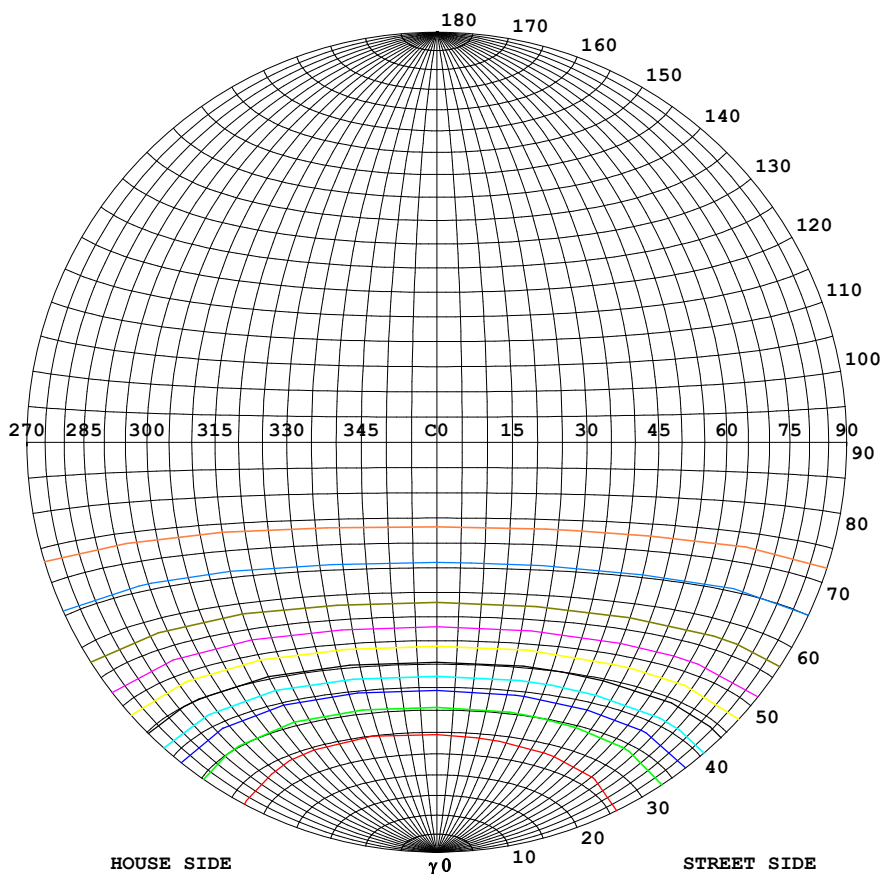
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

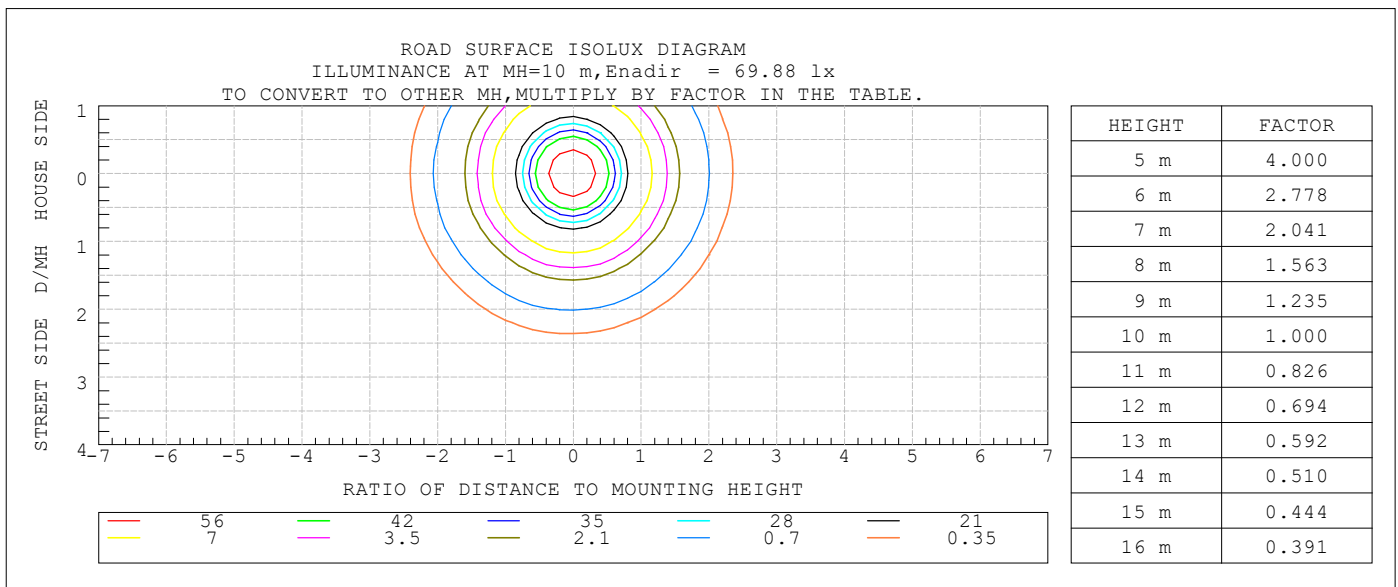
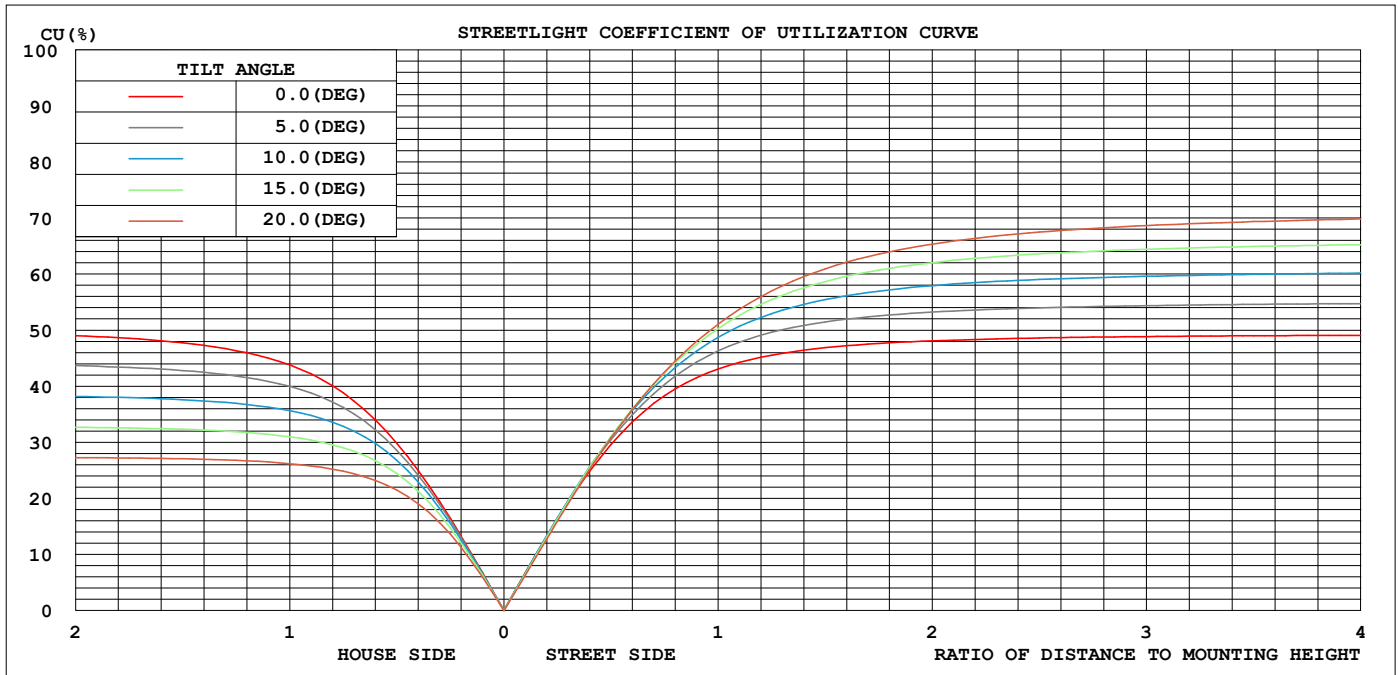
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.19cd/klm
Max.At90:0.1057cd/klm
Max.80-90:11.19cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	7000
90%	6300
80%	5600
70%	4900
60%	4200
50%	3500
40%	2800
30%	2100
20%	1400
10%	700
5%	350

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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: 23.2°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:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

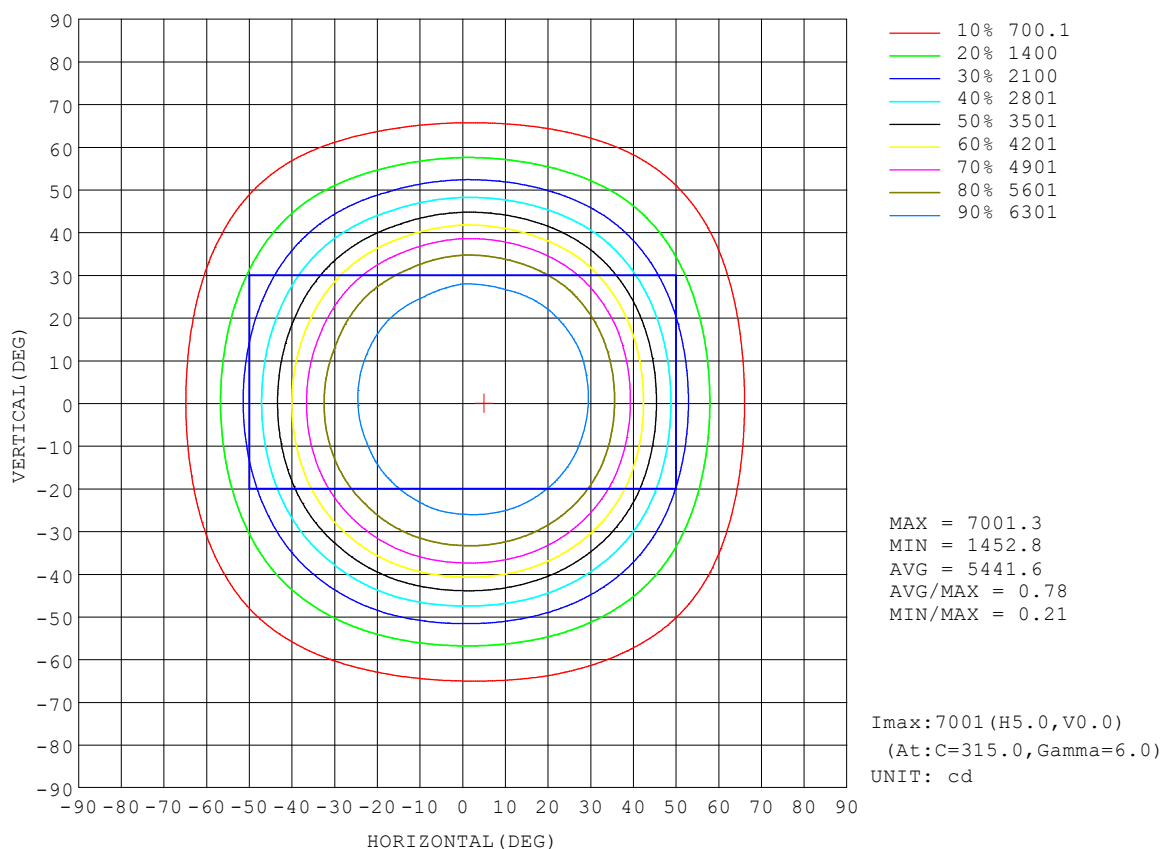
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	6961	6918	6866	6839	6824	6858	6911	6963	0- 10	661.3	661.3	4.67,4.67
20	6759	6664	6601	6542	6510	6569	6660	6757	10- 20	1917	2578	18.2,18.2
30	6249	6133	6007	5912	5877	5979	6123	6274	20- 30	2950	5528	39.1,39.1
40	4745	4561	4350	4225	4191	4313	4588	4803	30- 40	3362	8890	62.8,62.8
50	2578	2450	2359	2280	2311	2353	2477	2599	40- 50	2607	11497	81.2,81.2
60	1173	1113	1072	1035	1061	1085	1136	1188	50- 60	1515	13012	92,92
70	479.4	457.5	435.1	418.7	431.9	448.9	473.9	497.0	60- 70	732.1	13744	97.1,97.1
80	150.3	129.7	112.0	129.9	134.2	143.8	152.6	158.4	70- 80	293.5	14038	99.2,99.2
90	1.258	1.264	1.496	1.314	0.5628	0.7066	0.8056	0.7550	80- 90	54.82	14093	99.6,99.6
100	2.008	2.103	2.455	2.355	0.4618	0.4104	0.4041	0.4494	90-100	1.148	14094	99.6,99.6
110	4.347	4.490	4.816	5.041	0.8202	0.8141	0.7556	0.7874	100-110	2.066	14096	99.6,99.6
120	8.246	8.477	8.985	9.352	2.218	2.212	2.104	2.081	110-120	3.927	14100	99.6,99.6
130	13.08	13.36	13.86	14.29	5.786	5.688	5.463	5.365	120-130	6.637	14106	99.7,99.7
140	18.47	18.70	19.02	19.57	11.26	11.09	10.79	10.62	130-140	9.416	14116	99.7,99.7
150	24.66	24.78	24.98	25.57	17.99	17.81	17.57	17.36	140-150	11.33	14127	99.8,99.8
160	30.50	30.47	30.59	31.18	26.65	26.40	26.17	25.96	150-160	11.42	14138	99.9,99.9
170	36.53	36.48	36.35	36.77	35.81	35.58	35.08	35.16	160-170	9.043	14148	100,100
180	37.68	37.52	37.29	37.56	38.39	38.18	37.91	38.24	170-180	3.610	14151	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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

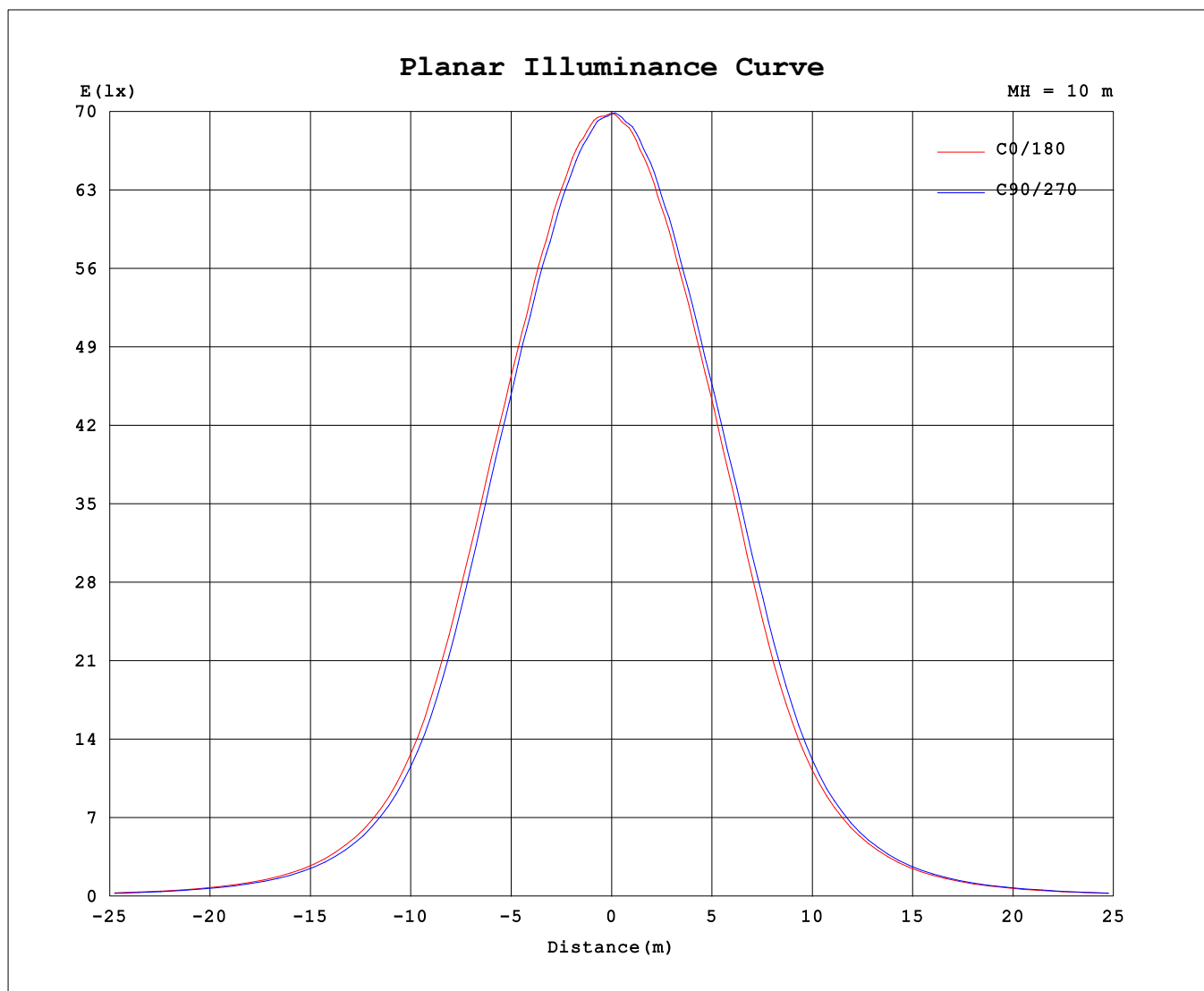
Test:U:280.60V I:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2°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



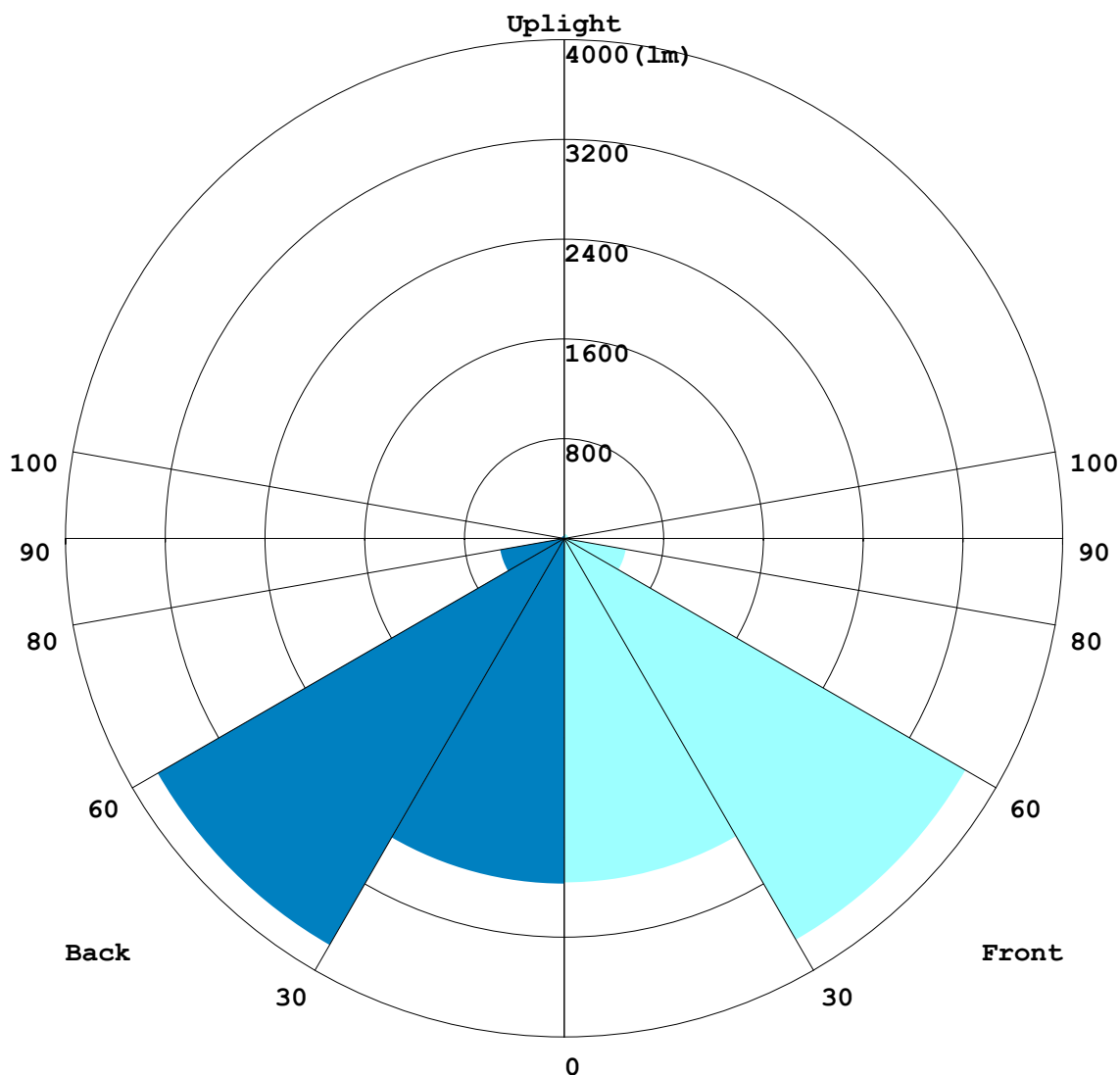
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2°C
Operators:DAMIN
Test Date:2023-12-15

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:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 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: 23.2℃
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:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 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)	2759	19.5
FM - Front-Medium(30-60)	3717.6	26.3
FH - Front-High(60-80)	504.09	3.6
FVH - Front-Very High(80-90)	25.017	0.2
Total Forward Light	7042.8	49.8

BL - Back-Low(0-30)	2768.8	19.6
BM - Back-Medium(30-60)	3766.9	26.6
BH - Back-High(60-80)	521.46	3.7
BVH - Back-Very High(80-90)	29.807	0.2
Total Back Light	7108.4	50.2

UL - Uplight-Low(90-100)	1.1479	0.0
UH - Uplight-High(100-180)	57.449	0.4
Total Up Light	58.597	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7086.9	21.479	7108.4
Street Side	7005.6	37.119	7042.8

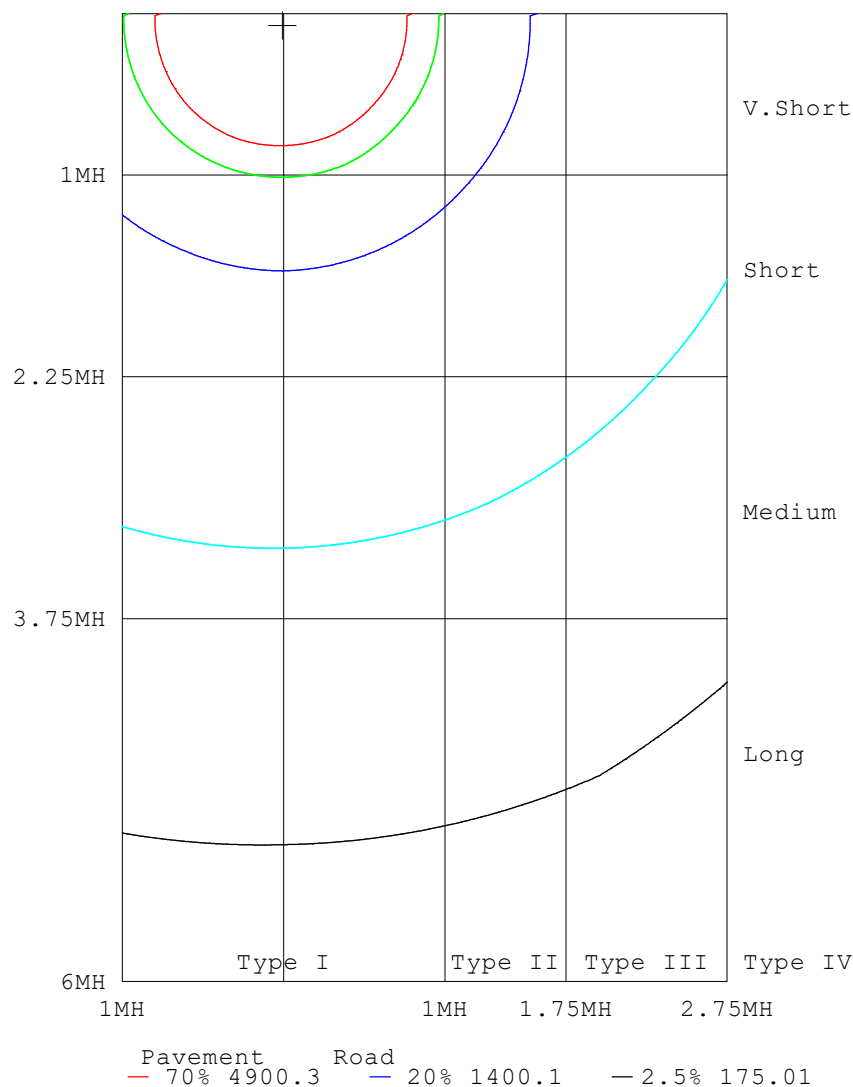
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
Operators:DAMIN
Test Date:2023-12-15

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:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 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: 23.2°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:0.3600A P:99.639W PF:0.9865 Freq:60.01Hz Lamp Flux:14151.1x1 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	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973	6973			
5	6987	6977	6962	6951	6934	6933	6924	6923	6920	6928	6935	6956	6959	6989	6983	6990			
10	6961	6936	6918	6886	6866	6848	6839	6829	6824	6847	6858	6895	6911	6945	6963	6969			
15	6886	6854	6816	6771	6752	6729	6721	6687	6700	6717	6742	6775	6812	6866	6888	6902			
20	6759	6721	6664	6613	6601	6561	6542	6504	6510	6528	6569	6611	6660	6726	6757	6780			
25	6553	6521	6471	6404	6367	6324	6297	6259	6264	6297	6336	6388	6451	6521	6566	6572			
30	6249	6201	6133	6066	6007	5945	5912	5878	5877	5895	5979	6045	6123	6203	6274	6289			
35	5681	5642	5533	5444	5342	5279	5233	5205	5191	5210	5328	5415	5545	5630	5733	5731			
40	4745	4707	4561	4478	4350	4300	4225	4206	4191	4210	4313	4415	4588	4691	4803	4813			
45	3584	3563	3418	3353	3275	3240	3160	3160	3170	3189	3238	3288	3434	3528	3620	3612			
50	2578	2547	2450	2404	2359	2348	2280	2270	2311	2315	2353	2364	2477	2540	2599	2580			
55	1771	1737	1679	1653	1618	1600	1564	1561	1599	1594	1630	1643	1716	1753	1792	1776			
60	1173	1144	1113	1101	1072	1048	1035	1029	1061	1052	1085	1093	1136	1159	1188	1173			
65	765	753	729	731	702	683	674	670	691	686	712	720	744	763	780	768			
70	479	478	457	463	435	430	419	422	432	423	449	451	474	480	497	486			
75	287	285	275	268	244	255	250	250	255	254	270	270	286	290	298	292			
80	150	149	130	97.6	112	118	130	132	134	134	144	144	153	153	158	153			
85	49.0	48.4	35.9	33.9	35.5	35.9	38.8	42.2	43.3	43.2	48.3	48.0	52.8	51.7	54.2	50.4			
90	1.26	1.24	1.26	1.32	1.50	1.35	1.31	1.40	0.56	0.59	0.71	0.72	0.81	0.75	0.75	0.67			
95	1.38	1.46	1.44	1.59	1.81	1.67	1.59	1.71	0.46	0.43	0.41	0.40	0.41	0.43	0.42	0.43			
100	2.01	2.08	2.10	2.26	2.46	2.41	2.35	2.43	0.46	0.46	0.41	0.39	0.40	0.40	0.45	0.44			
105	3.00	3.08	3.11	3.26	3.42	3.50	3.48	3.53	0.60	0.52	0.57	0.46	0.55	0.46	0.58	0.50			
110	4.35	4.43	4.49	4.64	4.82	5.00	5.04	5.09	0.82	0.75	0.81	0.70	0.76	0.69	0.79	0.71			
115	6.11	6.16	6.27	6.46	6.72	6.93	7.04	7.07	1.26	1.23	1.27	1.17	1.19	1.15	1.20	1.15			
120	8.25	8.30	8.48	8.70	8.99	9.22	9.35	9.40	2.22	2.24	2.21	2.14	2.10	2.09	2.08	2.07			
125	10.6	10.7	10.9	11.1	11.4	11.6	11.8	11.8	3.66	3.71	3.60	3.54	3.45	3.44	3.40	3.40			
130	13.1	13.2	13.4	13.6	13.9	14.1	14.3	14.4	5.79	5.89	5.69	5.65	5.46	5.45	5.36	5.41			
135	15.7	15.7	15.9	16.2	16.4	16.7	16.8	16.9	8.41	8.55	8.27	8.26	7.99	7.97	7.85	7.95			
140	18.5	18.5	18.7	18.9	19.0	19.4	19.6	19.7	11.3	11.4	11.1	11.1	10.8	10.7	10.6	10.7			
145	21.6	21.6	21.7	21.9	22.0	22.4	22.6	22.7	14.6	14.8	14.4	14.4	14.1	14.1	13.9	14.0			
150	24.7	24.8	24.8	25.0	25.0	25.4	25.6	25.8	18.0	18.1	17.8	17.8	17.6	17.4	17.4	17.4			
155	27.5	27.7	27.6	27.8	27.8	28.2	28.4	28.7	22.1	22.2	21.9	21.9	21.6	21.5	21.4	21.5			
160	30.5	30.5	30.5	30.5	30.6	30.8	31.2	31.3	26.7	26.9	26.4	26.5	26.2	26.1	26.0	26.1			
165	33.3	33.5	33.2	33.4	33.2	33.6	33.7	34.1	31.8	31.9	31.5	31.5	31.2	31.0	31.0	31.0			
170	36.5	36.6	36.5	36.5	36.4	36.6	36.8	37.0	35.8	36.0	35.6	35.6	35.1	35.2	35.2	35.4			
175	38.9	39.2	38.8	39.1	38.8	39.1	39.2	39.5	39.1	39.0	38.8	38.7	38.5	38.5	38.7	38.6			
180	37.7	37.7	37.5	37.5	37.3	37.4	37.6	37.6	38.4	38.5	38.2	38.2	37.9	38.1	38.2	38.4			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.2℃
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: