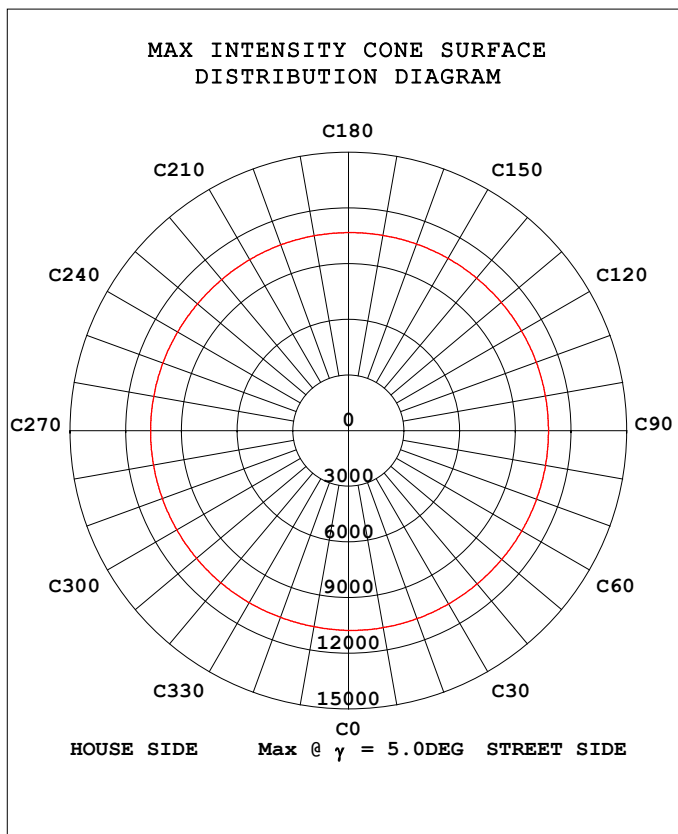
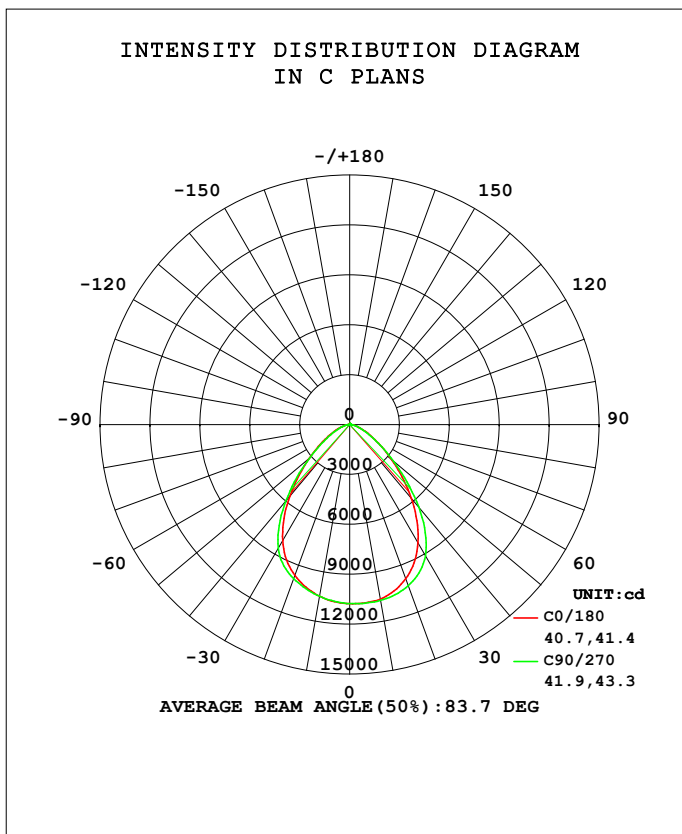


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.27 lm/W			
MODEL		Imax (cd)	10793	η street_up (%)	0.3
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	51.0
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	20144	η house_up (%)	0.2
NOMINAL FLUX (lm)	20144.1	MAXIMUM @ (C, γ)	68,5.0	η house_down (%)	48.6
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.6	SLI	21.592

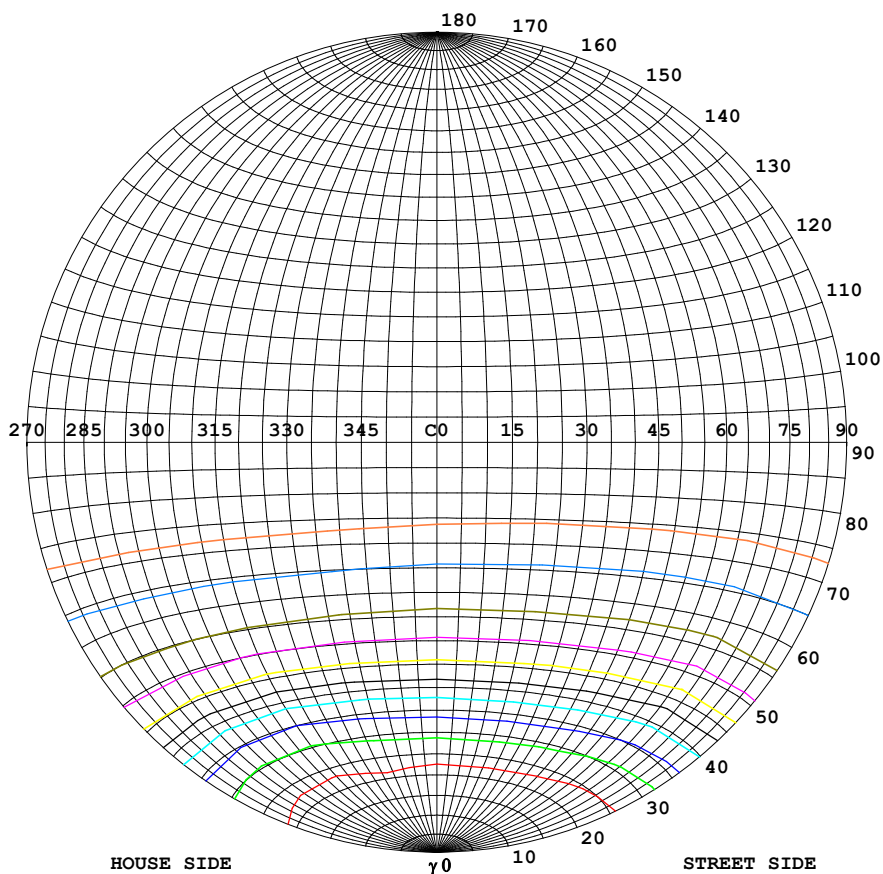


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7°C
Operators:DAMIN
Test Date:2023-12-14

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:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

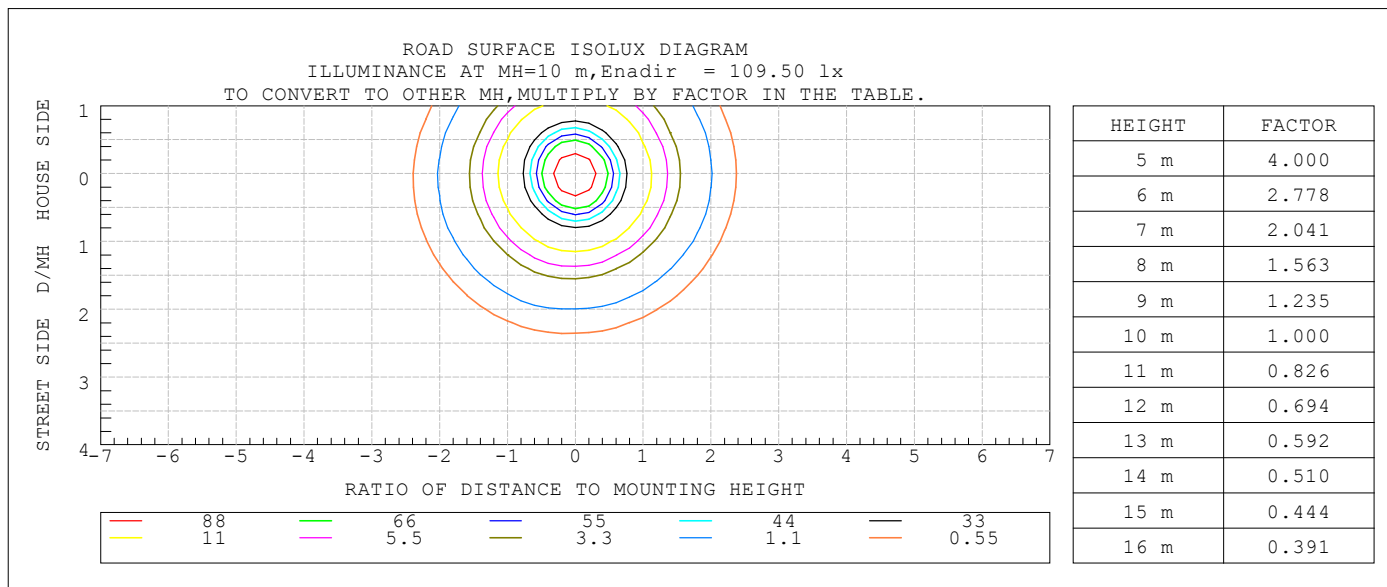
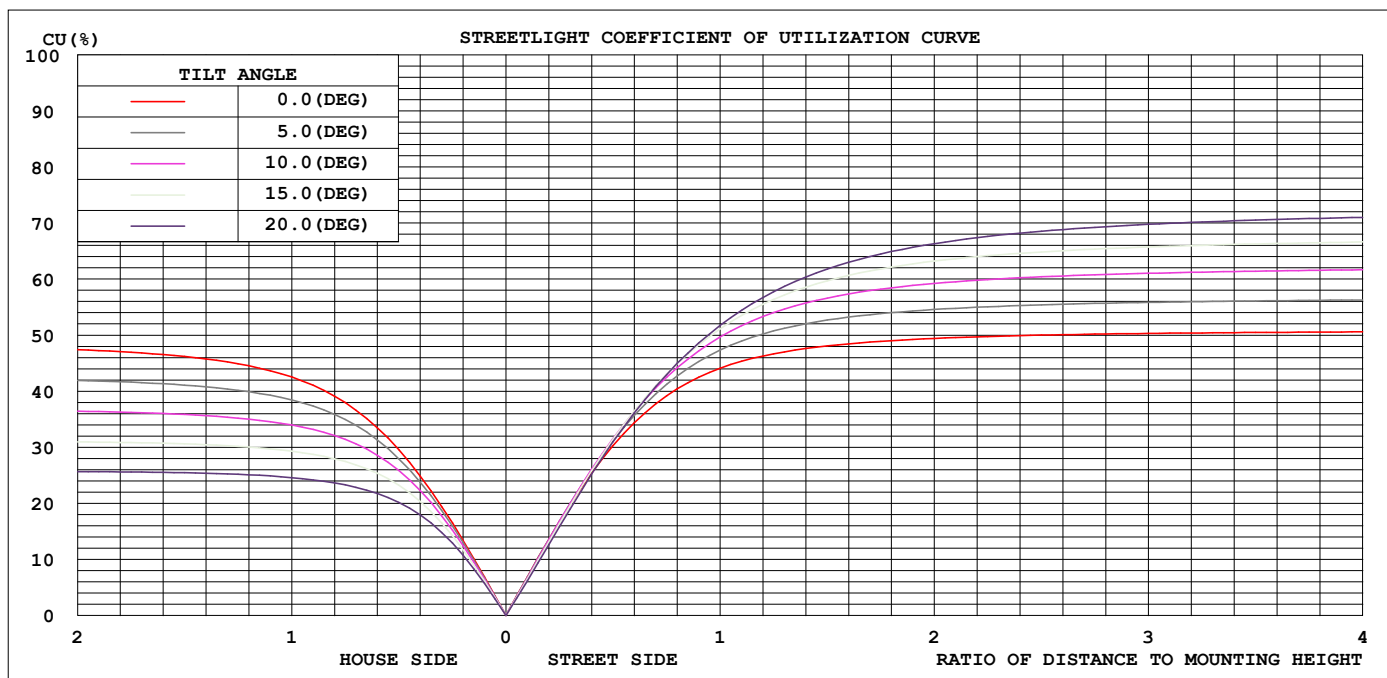
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:13.71cd/klm
Max.At90:0.1198cd/klm
Max.80-90:13.71cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		10793
90%		9714
80%		8634
70%		7555
60%		6476
50%		5396
40%		4317
30%		3238
20%		2159
10%		1079
5%		540

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7℃
Operators:DAMIN
Test Date:2023-12-14

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: 23.7°C
Operators:DAMIN
Test Date:2023-12-14

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:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

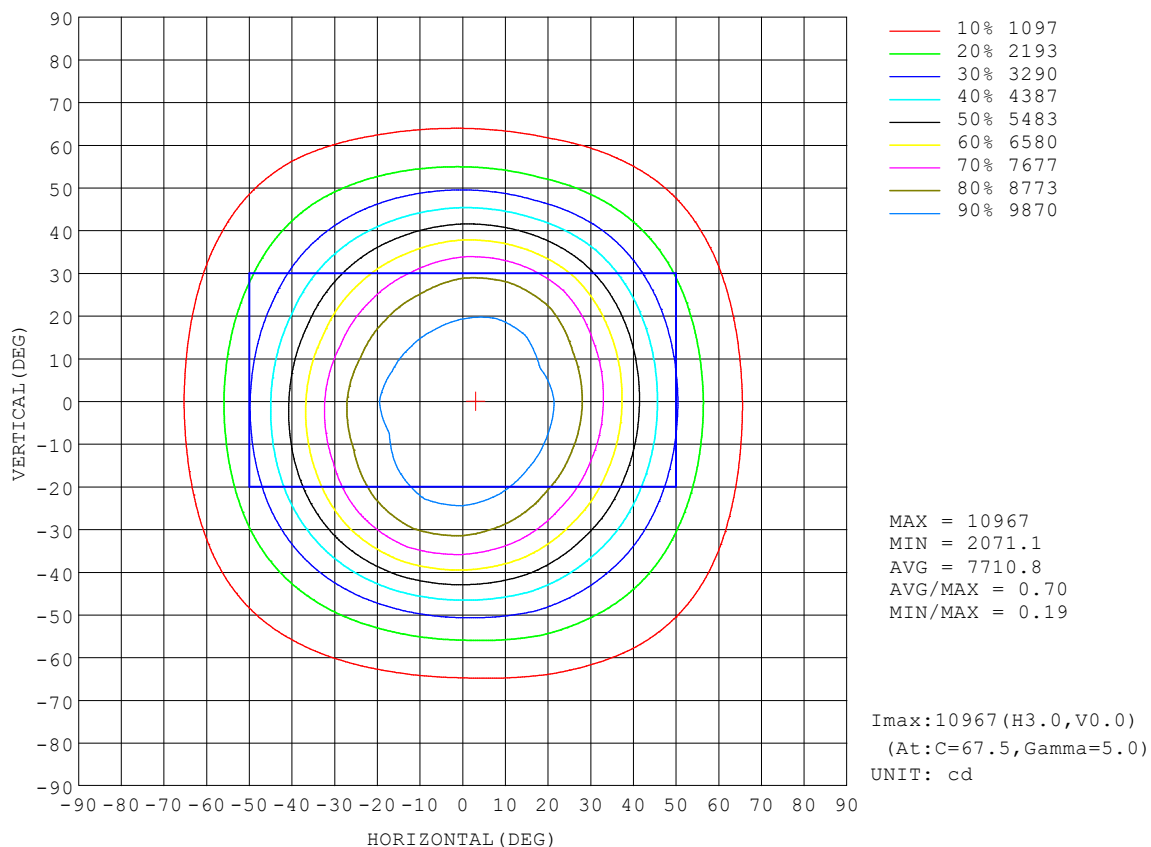
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1065	1072	1073	1064	1048	1040	1047	1057	0- 10	1019	1019	5.06,5.06
20	986.4	1002	1031	1012	964.9	957.1	985.5	1006	10- 20	2911	3930	19.5,19.5
30	820.9	841.5	911.7	889.7	805.5	794.7	857.9	879.2	20- 30	4290	8219	40.8,40.8
40	576.2	591.6	646.3	633.5	557.9	550.5	595.6	614.1	30- 40	4556	12776	63.4,63.4
50	332.3	340.9	347.3	339.9	319.4	312.1	318.4	329.8	40- 50	3517	16293	80.9,80.9
60	165.6	170.9	160.4	157.9	161.9	157.7	149.3	151.1	50- 60	2103	18396	91.3,91.3
70	74.21	77.52	70.15	69.20	71.66	69.40	64.65	65.96	60- 70	1087	19483	96.7,96.7
80	25.95	27.25	24.46	23.83	24.85	23.66	21.78	22.67	70- 80	476.0	19958	99.1,99.1
90	0.2310	0.2413	0.2206	0.1997	0.0869	0.0814	0.0792	0.1037	80- 90	101.1	20060	99.6,99.6
100	0.3321	0.3078	0.3104	0.3051	0.0718	0.0727	0.0711	0.0870	90-100	1.657	20061	99.6,99.6
110	0.7005	0.6834	0.6410	0.6337	0.1371	0.1407	0.1304	0.1411	100-110	3.231	20064	99.6,99.6
120	1.147	1.128	1.181	1.202	0.3176	0.3247	0.3153	0.3153	110-120	5.420	20070	99.6,99.6
130	1.831	1.811	1.896	1.936	0.7591	0.7861	0.8098	0.7913	120-130	9.068	20079	99.7,99.7
140	2.647	2.593	2.687	2.780	1.505	1.564	1.633	1.564	130-140	13.17	20092	99.7,99.7
150	3.630	3.542	3.616	3.727	2.541	2.625	2.664	2.548	140-150	16.27	20108	99.8,99.8
160	4.585	4.487	4.530	4.619	3.873	3.947	3.971	3.845	150-160	16.79	20125	99.9,99.9
170	5.557	5.481	5.478	5.526	5.335	5.377	5.386	5.256	160-170	13.47	20139	100,100
180	5.754	5.746	5.714	5.674	5.882	5.875	5.843	5.791	170-180	5.464	20144	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7℃
Operators:DAMIN
Test Date:2023-12-14

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

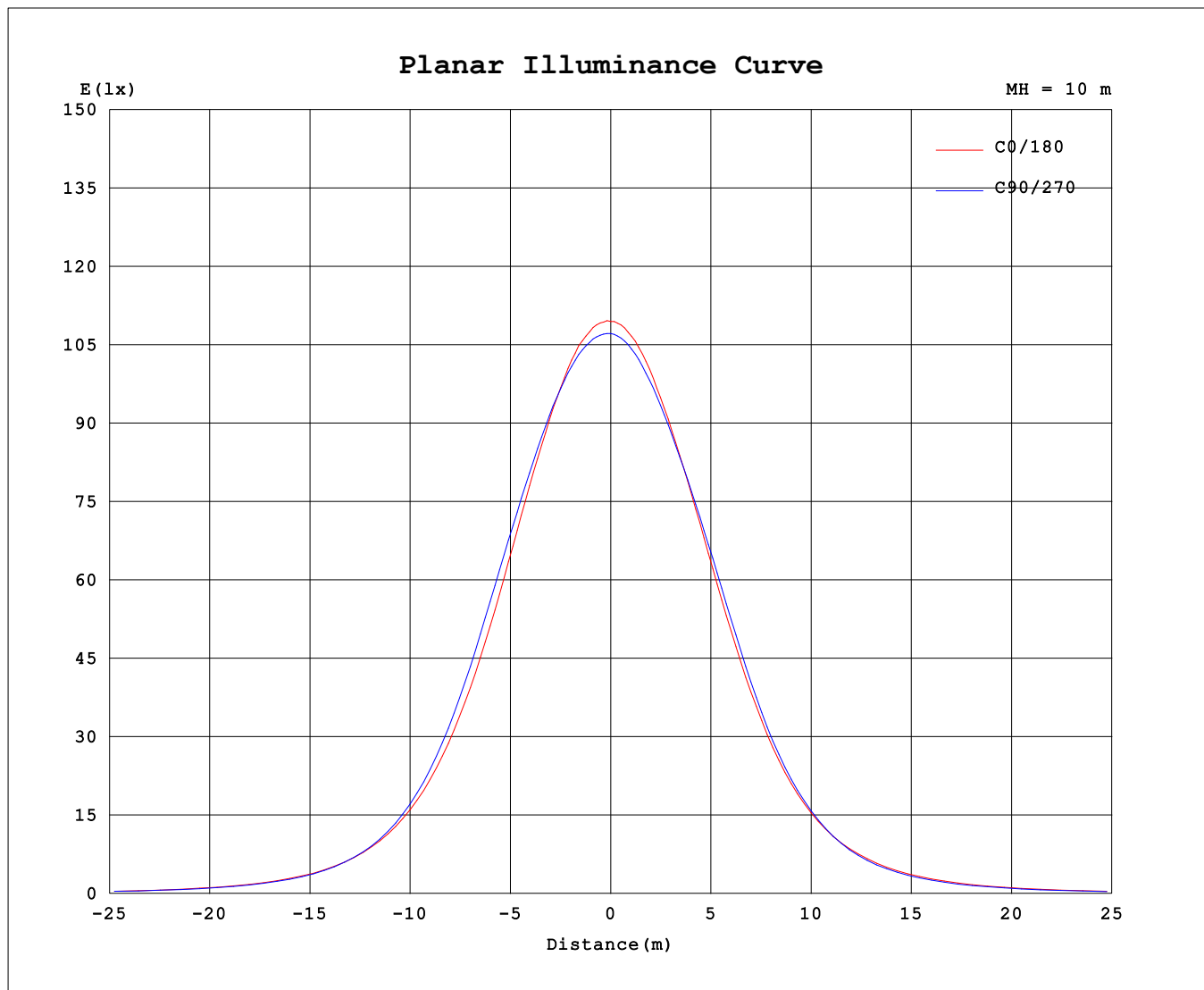
Test:U:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7°C
Operators:DAMIN
Test Date:2023-12-14

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

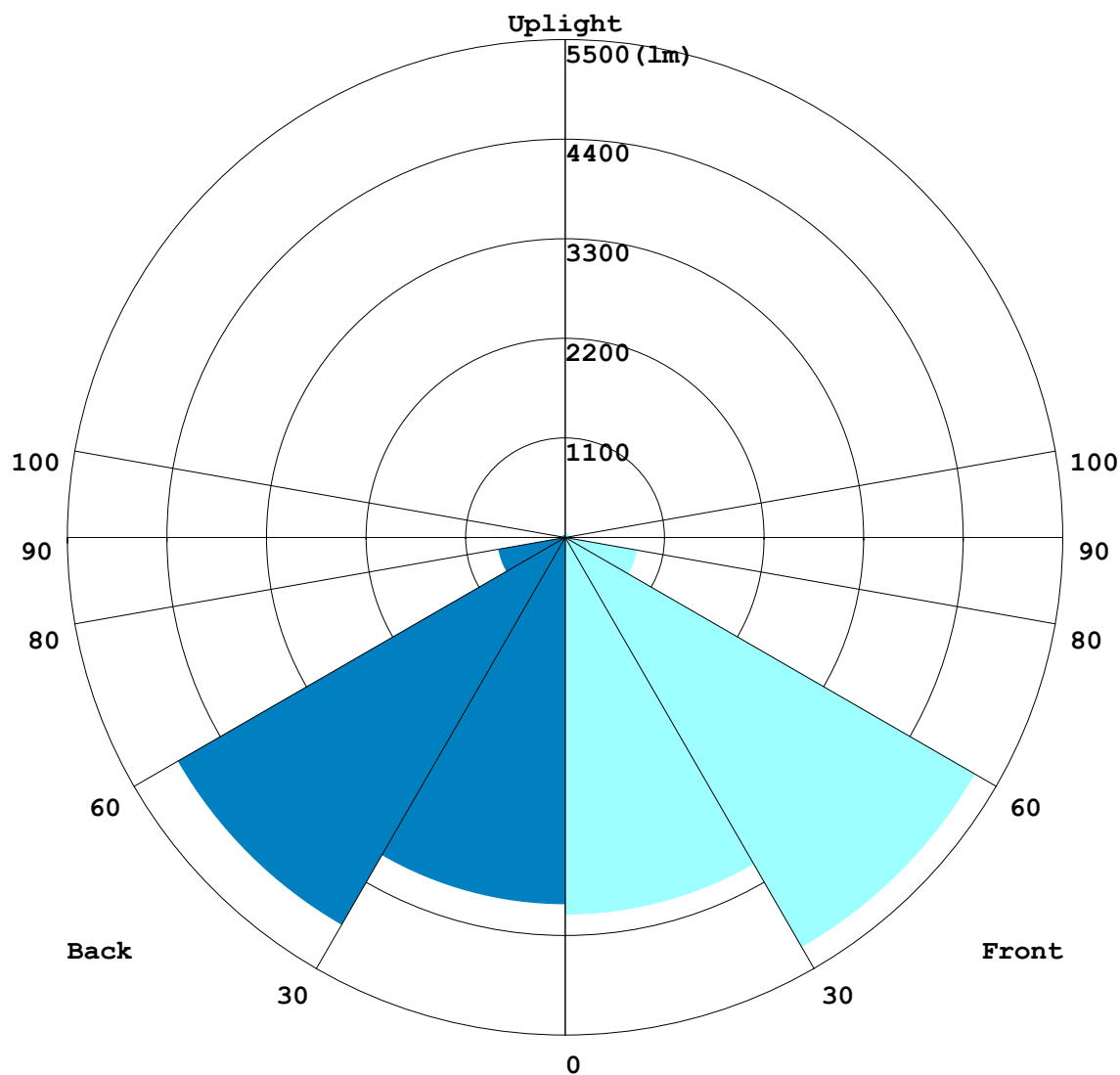


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7°C
Operators:DAMIN
Test Date:2023-12-14

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:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 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: 23.7°C
 Operators:DAMIN
 Test Date:2023-12-14

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:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 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)	4166.9	20.7
FM - Front-Medium(30-60)	5231.7	26.0
FH - Front-High(60-80)	810.58	4.0
FVH - Front-Very High(80-90)	54.332	0.3
Total Forward Light	10316	51.2

BL - Back-Low(0-30)	4052.5	20.1
BM - Back-Medium(30-60)	4944.5	24.5
BH - Back-High(60-80)	752.33	3.7
BVH - Back-Very High(80-90)	46.77	0.2
Total Back Light	9827.8	48.8

UL - Uplight-Low(90-100)	1.6575	0.0
UH - Uplight-High(100-180)	82.893	0.4
Total Up Light	84.55	0.4

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9796.1	31.698	9827.8
Street Side	10263	52.852	10316

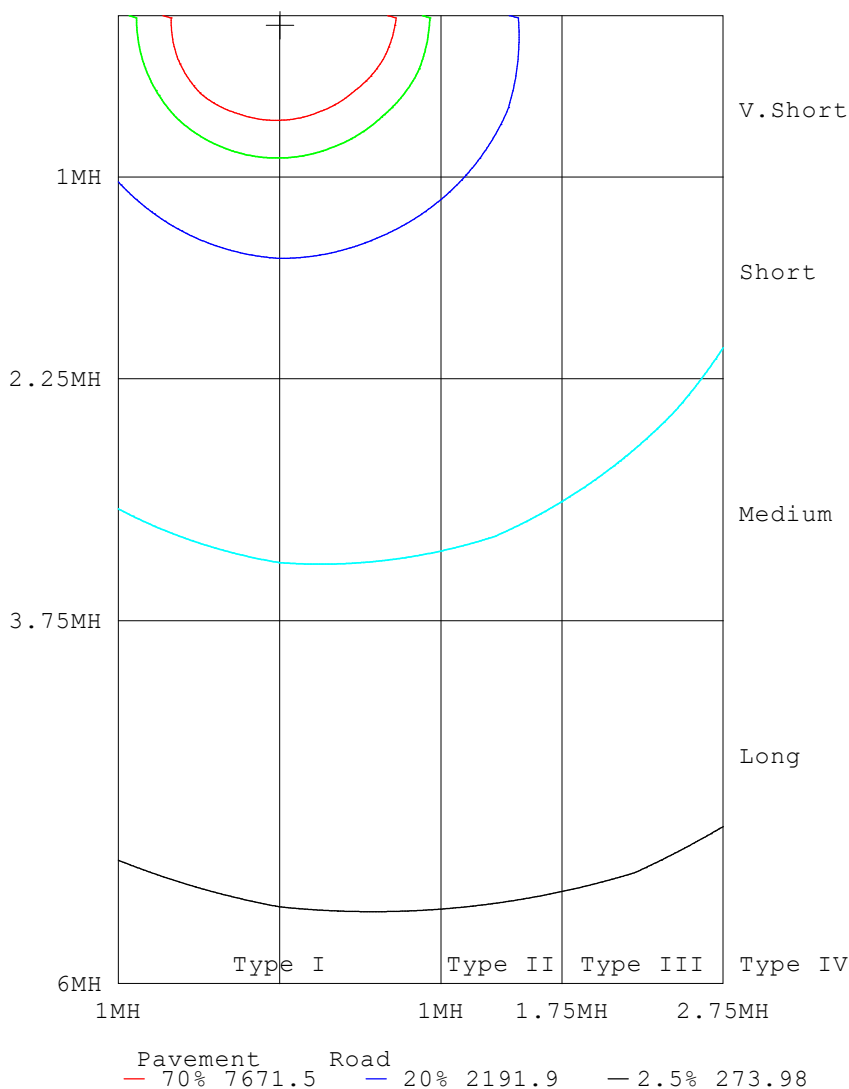
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7℃
Operators:DAMIN
Test Date:2023-12-14

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:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 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: 23.7°C
Operators:DAMIN
Test Date:2023-12-14

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:118.73V I:1.2666A P:150.02W PF:0.9976 Freq:60.01Hz Lamp Flux:20144.1x1 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	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076			
5	1077	1079	1079	1079	1078	1078	1075	1072	1068	1066	1063	1065	1067	1068	1070	1071			
10	1065	1070	1072	1076	1073	1072	1064	1057	1048	1040	1040	1042	1047	1053	1057	1060			
15	1035	1041	1046	1057	1059	1056	1044	1028	1013	1002	1003	1009	1021	1031	1037	1038			
20	986	992	1002	1021	1031	1031	1012	988	965	953	957	968	986	1001	1006	998			
25	918	921	936	964	985	989	963	929	899	883	890	907	937	956	958	940			
30	821	824	842	880	912	919	890	848	805	786	795	819	858	878	879	853			
35	705	706	723	765	794	808	779	737	690	670	680	702	740	756	762	738			
40	576	577	592	628	646	653	633	603	558	539	550	569	596	606	614	602			
45	447	448	460	486	488	488	475	463	430	414	423	434	450	453	465	461			
50	332	334	341	357	347	342	340	339	319	307	312	317	318	315	330	337			
55	237	239	244	252	237	232	232	240	230	221	225	222	219	214	223	235			
60	166	167	171	171	160	158	158	164	162	155	158	152	149	145	151	159			
65	113	115	117	115	108	106	106	110	110	106	107	102	101	98.1	102	107			
70	74.2	76.9	77.5	75.3	70.2	69.0	69.2	71.4	71.7	69.5	69.4	65.8	64.7	63.5	66.0	69.5			
75	46.9	49.5	49.1	47.6	43.9	43.6	43.2	44.8	45.3	43.7	43.5	40.9	40.0	39.4	41.1	43.7			
80	25.9	27.6	27.3	26.4	24.5	24.2	23.8	24.6	24.9	24.0	23.7	22.2	21.8	21.7	22.7	24.0			
85	8.76	9.65	9.44	9.41	8.58	8.77	8.34	8.46	8.22	7.39	7.38	6.70	7.00	6.87	7.53	7.87			
90	0.23	0.24	0.24	0.24	0.22	0.22	0.20	0.20	0.09	0.09	0.08	0.09	0.08	0.09	0.10	0.11			
95	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.23	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.07			
100	0.33	0.31	0.31	0.32	0.31	0.30	0.31	0.32	0.07	0.07	0.07	0.07	0.07	0.07	0.09	0.08			
105	0.59	0.63	0.58	0.52	0.46	0.44	0.44	0.47	0.11	0.10	0.11	0.10	0.10	0.10	0.13	0.16			
110	0.70	0.68	0.68	0.67	0.64	0.63	0.63	0.65	0.14	0.13	0.14	0.13	0.13	0.12	0.14	0.17			
115	0.90	0.89	0.88	0.87	0.88	0.88	0.89	0.88	0.19	0.19	0.20	0.19	0.19	0.18	0.19	0.20			
120	1.15	1.12	1.13	1.15	1.18	1.19	1.20	1.18	0.32	0.32	0.32	0.32	0.32	0.31	0.32	0.32			
125	1.47	1.44	1.45	1.48	1.53	1.56	1.56	1.53	0.50	0.51	0.51	0.52	0.51	0.52	0.51	0.50			
130	1.83	1.80	1.81	1.84	1.90	1.94	1.94	1.92	0.76	0.78	0.79	0.81	0.81	0.82	0.79	0.78			
135	2.22	2.18	2.18	2.22	2.27	2.33	2.34	2.33	1.10	1.12	1.15	1.18	1.20	1.20	1.16	1.12			
140	2.65	2.60	2.59	2.64	2.69	2.75	2.78	2.78	1.50	1.52	1.56	1.61	1.63	1.62	1.56	1.50			
145	3.13	3.08	3.06	3.10	3.14	3.22	3.25	3.27	2.00	2.02	2.07	2.12	2.14	2.11	2.04	1.98			
150	3.63	3.57	3.54	3.58	3.62	3.69	3.73	3.75	2.54	2.57	2.62	2.66	2.66	2.62	2.55	2.49			
155	4.11	4.04	4.02	4.03	4.07	4.13	4.18	4.20	3.19	3.22	3.27	3.31	3.29	3.24	3.17	3.11			
160	4.59	4.51	4.49	4.50	4.53	4.58	4.62	4.64	3.87	3.89	3.95	3.98	3.97	3.92	3.85	3.77			
165	5.04	4.98	4.95	4.96	4.97	5.02	5.05	5.07	4.64	4.64	4.70	4.73	4.73	4.68	4.59	4.51			
170	5.56	5.52	5.48	5.49	5.48	5.51	5.53	5.55	5.34	5.34	5.38	5.41	5.39	5.34	5.26	5.19			
175	5.98	5.97	5.92	5.92	5.88	5.90	5.88	5.90	5.93	5.92	5.95	5.93	5.92	5.87	5.82	5.76			
180	5.75	5.78	5.75	5.76	5.71	5.71	5.67	5.67	5.88	5.85	5.88	5.84	5.84	5.80	5.79	5.75			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.7℃
Operators:DAMIN
Test Date:2023-12-14

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: