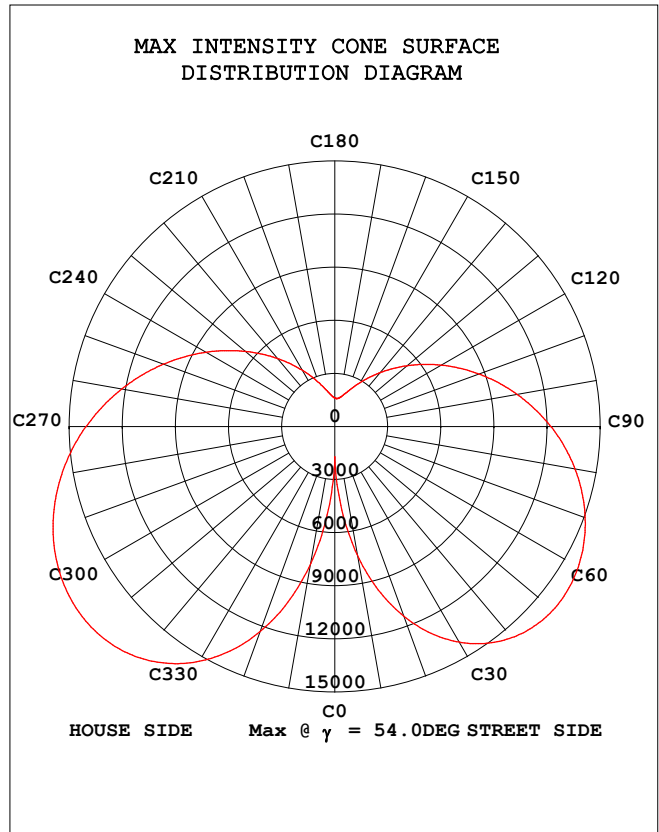
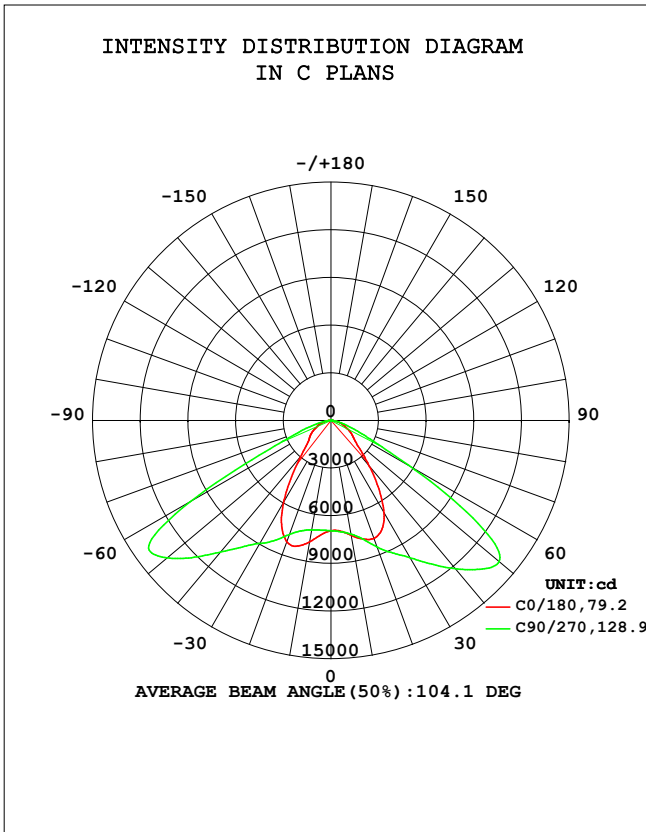


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.96 lm/W			
MODEL	LED Shoe Box	I <sub>max</sub> (cd)	14055	η street_up(%)	0.0
NOMINAL POWER(W)	250	LOR(%)	100.0	η street_down(%)	49.2
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	26751	η house_up(%)	0.0
NOMINAL FLUX(lm)	26751.3	MAXIMUM @ (C,γ )	270,54.0	η house_down(%)	50.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)		η down(%)	100.0	SLI	22.216

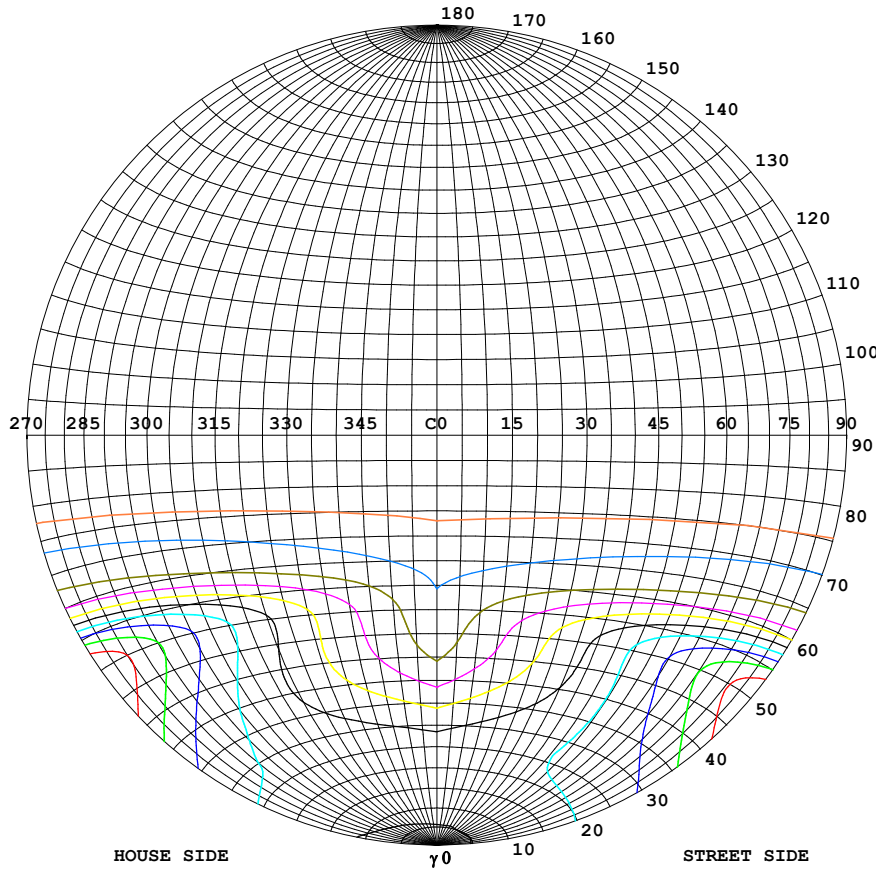


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Paul  
 Test Date: 2016-11-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity: 65.0%  
 Test Distance: 2.900m [K=0.8389]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:



**Classification:**

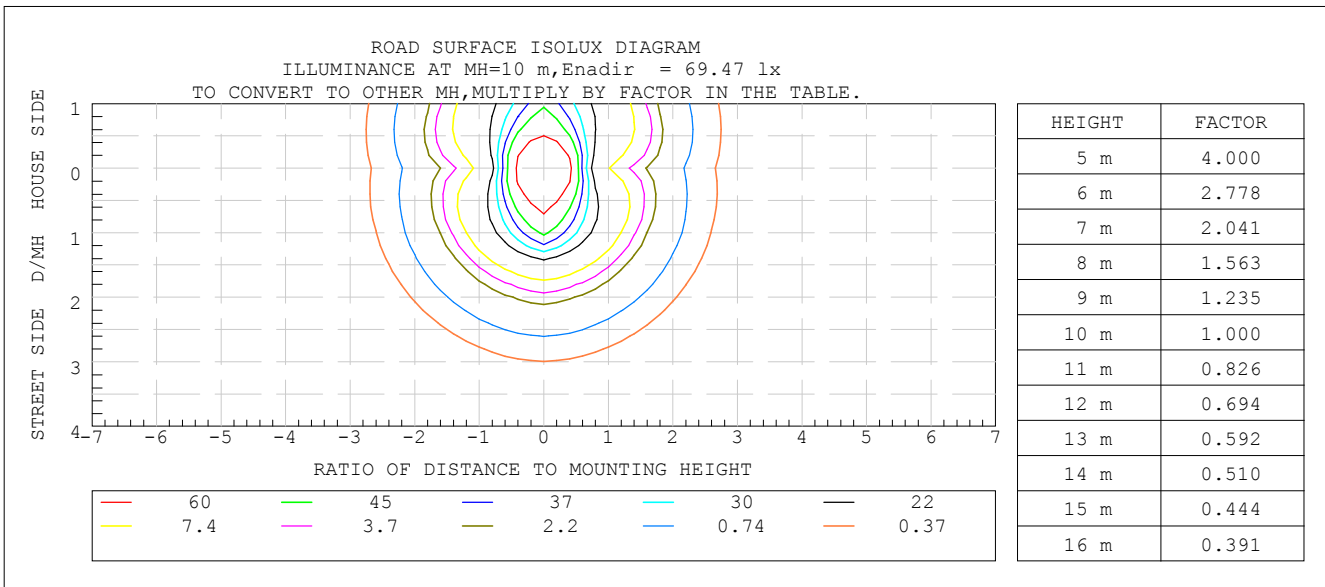
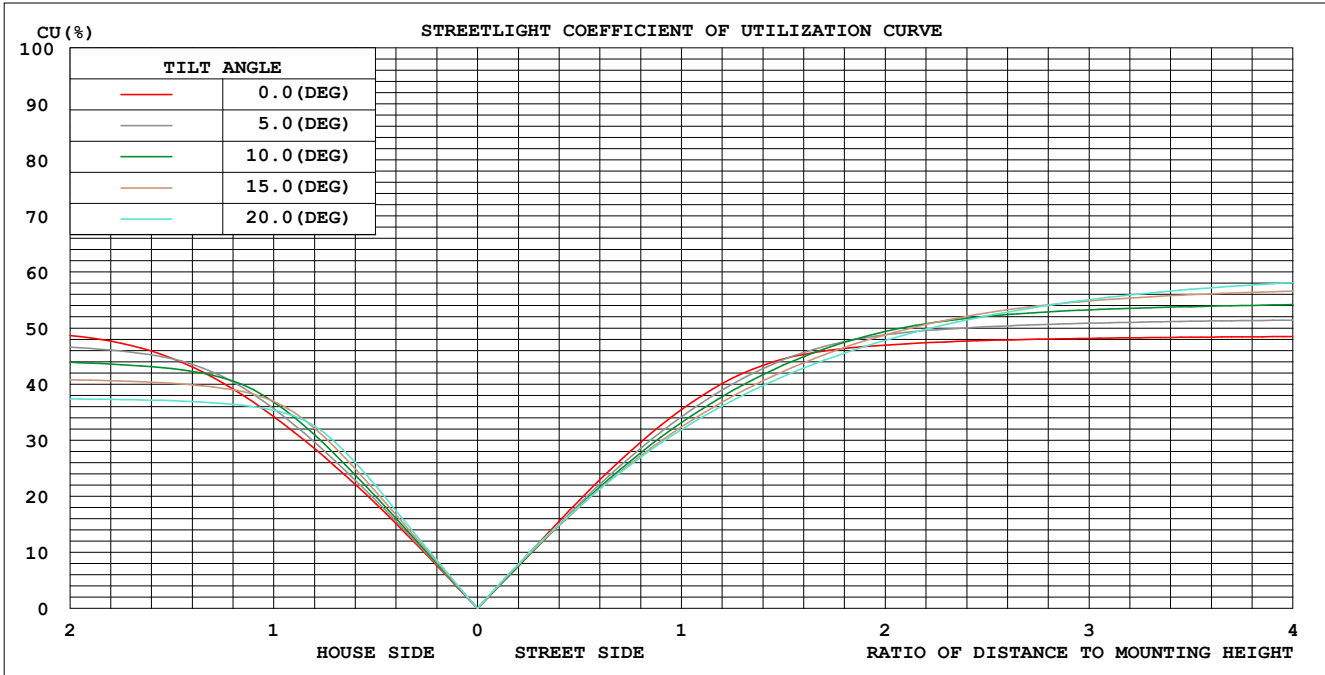
IES:Type VS - Very Short  
 CIE:Average - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:17.69cd/klm  
 Max.At90:0.0456cd/klm  
 Max.80-90:17.69cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	14055
90%	12649
80%	11244
70%	9838
60%	8433
50%	7027
40%	5622
30%	4216
20%	2811
10%	1405
5%	703

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Paul  
 Test Date:2016-11-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity:65.0%  
 Test Distance:2.900m [K=0.8389]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Paul  
Test Date: 2016-11-17

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
Humidity: 65.0%  
Test Distance: 2.900m [K=0.8389]  
Remarks:

**ZONAL FLUX DIAGRAM**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:

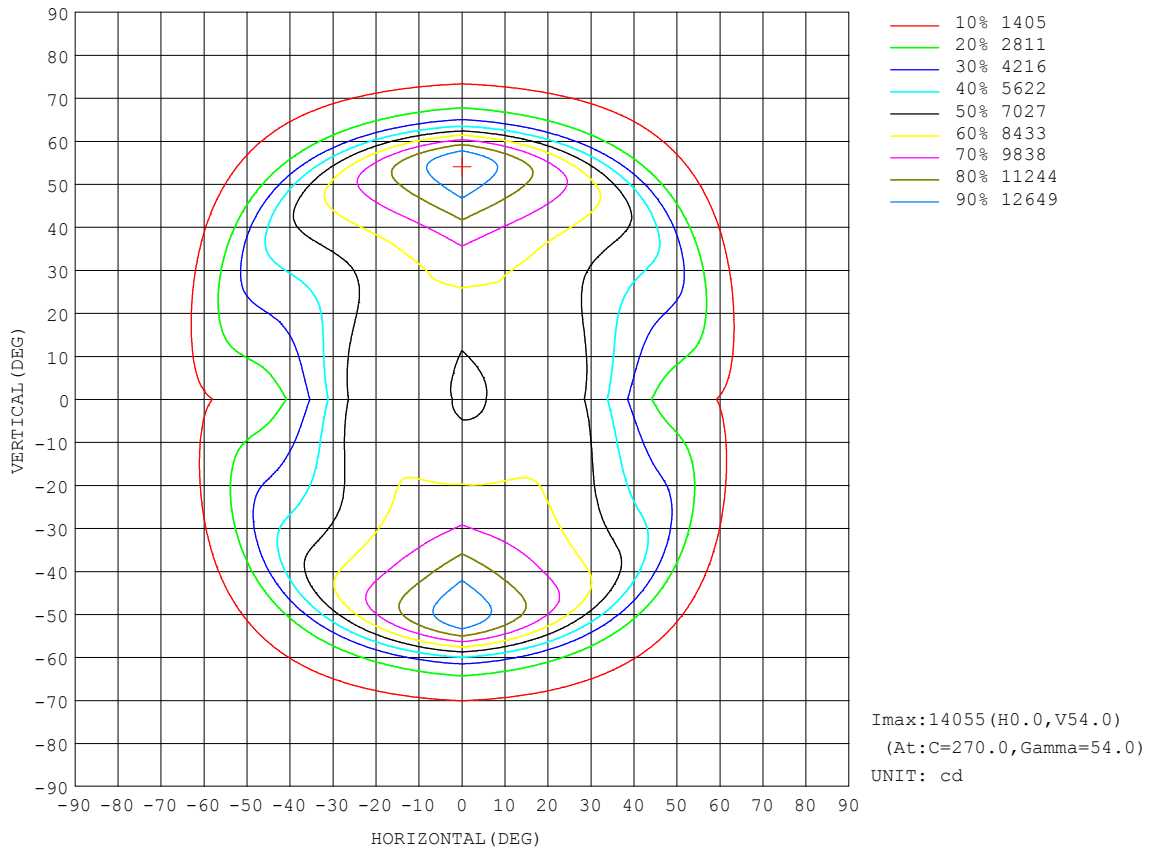
$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	734.0	726.2	775.5	699.4				0- 10	682.1	682.1	2.55,2.55
20	790.5	846.9	813.2	763.7				10- 20	2195	2877	10.8,10.8
30	668.0	997.7	599.0	893.0				20- 30	3731	6608	24.7,24.7
40	379.0	1219	298.1	1082				30- 40	4778	11387	42.6,42.6
50	198.8	1382	179.2	1346				40- 50	5872	17259	64.5,64.5
60	135.6	562.9	129.2	1024				50- 60	6073	23332	87.2,87.2
70	82.97	142.6	82.07	213.0				60- 70	2443	25775	96.4,96.4
80	33.62	35.95	33.74	47.32				70- 80	817.3	26593	99.4,99.4
90	0.0248	0.1221	0.0390	0.0477				80- 90	151.8	26745	100,100
100	0.0260	0.0693	0.0506	0.0944				90-100	0.5059	26745	100,100
110	0.0385	0.1067	0.0596	0.2268				100-110	0.8926	26746	100,100
120	0.0572	0.1607	0.0492	0.1901				110-120	1.144	26747	100,100
130	0.0843	0.2161	0.0707	0.1425				120-130	1.062	26748	100,100
140	0.1033	0.2026	0.1070	0.1328				130-140	1.038	26749	100,100
150	0.1034	0.1268	0.1561	0.1613				140-150	0.8631	26750	100,100
160	0.1146	0.1271	0.1534	0.1529				150-160	0.6344	26751	100,100
170	0.1304	0.1361	0.1550	0.1535				160-170	0.3930	26751	100,100
180	0.1748	0.1747	0.1764	0.1748				170-180	0.1547	26751	100,100
DEG	LUMINOUS INTENSITY:*10cd								UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Paul  
 Test Date:2016-11-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity:65.0%  
 Test Distance:2.900m [K=0.8389]  
 Remarks:

**ISOCANDELA DIAGRAM**

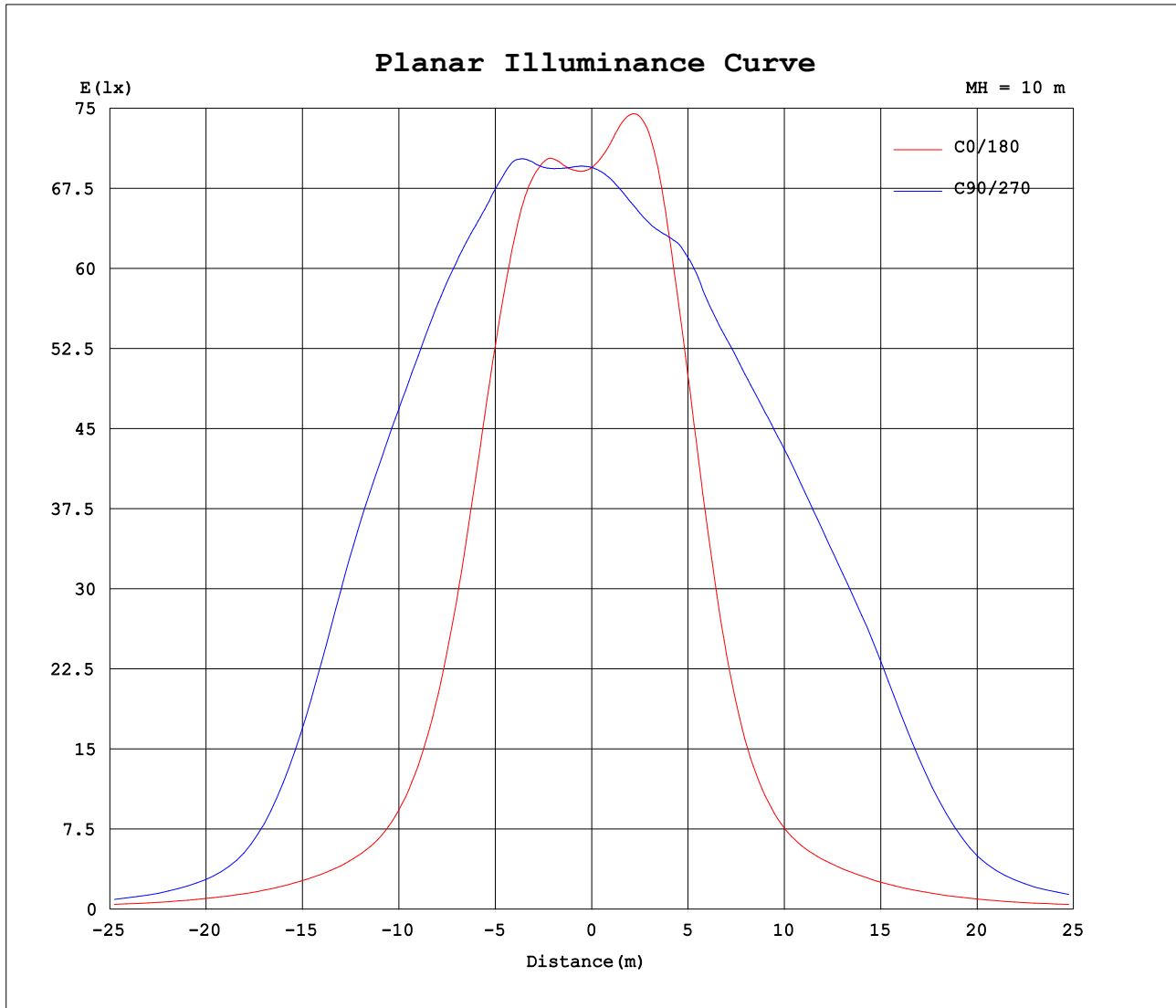
Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Paul  
 Test Date:2016-11-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity:65.0%  
 Test Distance:2.900m [K=0.8389]  
 Remarks:

Planar Illuminance Curve



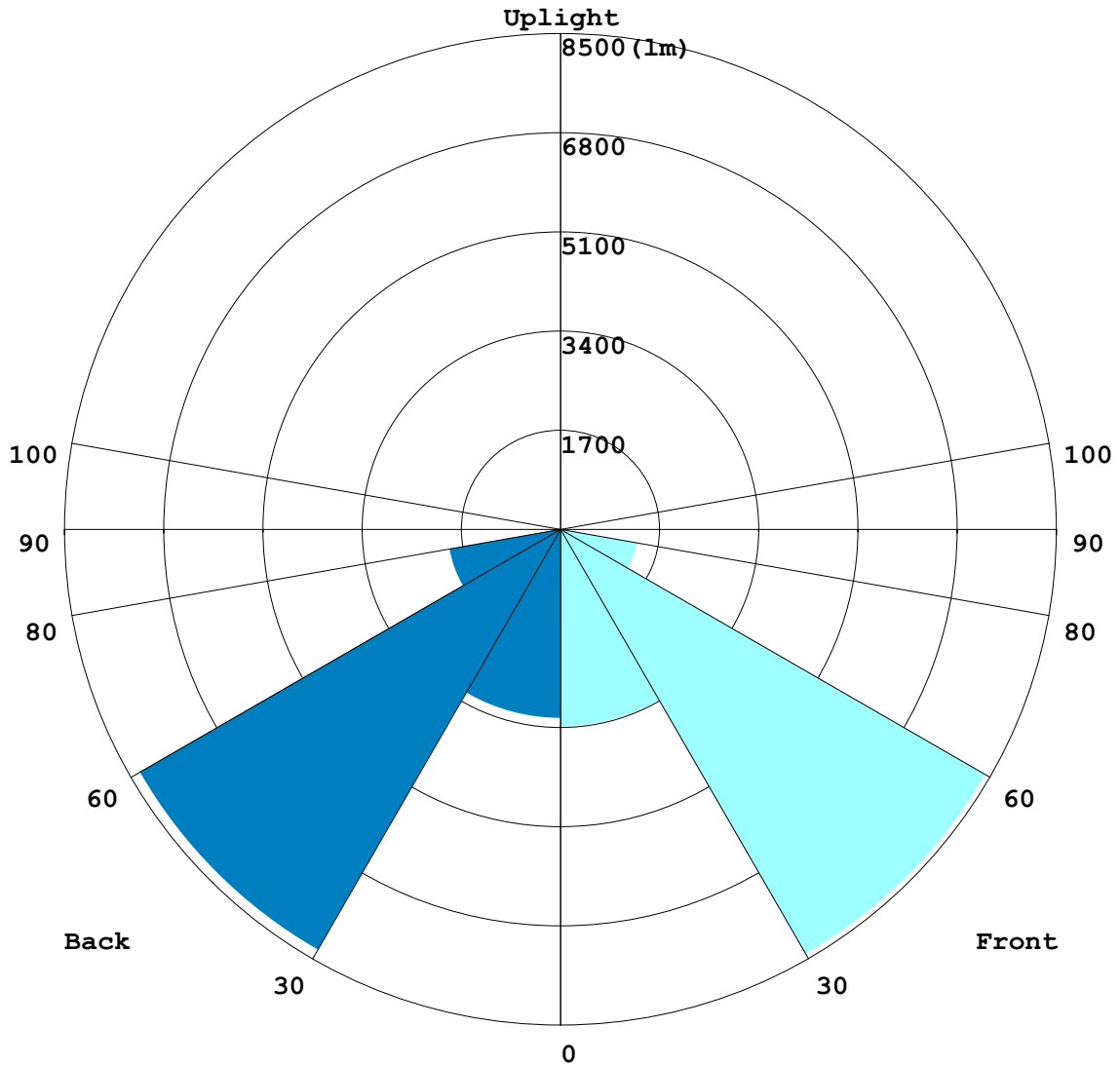
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Paul  
 Test Date: 2016-11-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity: 65.0%  
 Test Distance: 2.900m [K=0.8389]  
 Remarks:

**LCS REPORT**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Paul  
 Test Date:2016-11-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity:65.0%  
 Test Distance:2.900m [K=0.8389]  
 Remarks:

**BUG REPORT**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3376	12.6
FM - Front-Medium(30-60)	8401.1	31.4
FH - Front-High(60-80)	1329.8	5.0
FVH - Front-Very High(80-90)	67.649	0.3
<b>Total Forward Light</b>	<b>13178</b>	<b>49.3</b>

BL - Back-Low(0-30)	3232.1	12.1
BM - Back-Medium(30-60)	8322.9	31.1
BH - Back-High(60-80)	1930.7	7.2
BVH - Back-Very High(80-90)	84.196	0.3
<b>Total Back Light</b>	<b>13574</b>	<b>50.7</b>

UL - Uplight-Low(90-100)	0.50591	0.0
UH - Uplight-High(100-180)	6.1822	0.0
<b>Total Up Light</b>	<b>6.6881</b>	<b>0.0</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B4-U1-G2</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13570	3.5925	13574
Street Side	13175	3.0956	13178

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Paul  
Test Date:2016-11-17

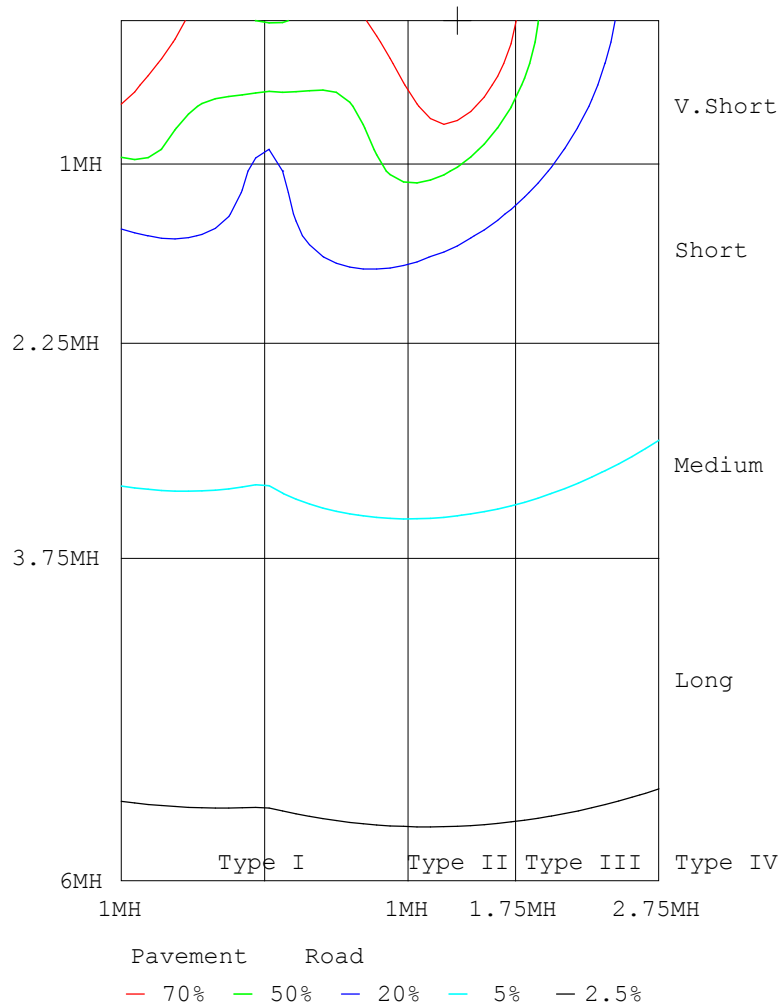
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
Humidity:65.0%  
Test Distance:2.900m [K=0.8389]  
Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Paul  
 Test Date:2016-11-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity:65.0%  
 Test Distance:2.900m [K=0.8389]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.2V I:2.126A P:252.5W PF:0.9960 Freq:60.02Hz Lamp Flux:26751.3x1 lm		
NAME: CT-D02250SBN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.45*0.22	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	695	695	695	695															
5	700	703	722	694															
10	734	726	776	699															
15	772	772	819	720															
20	790	847	813	764															
25	759	920	735	833															
30	668	998	599	893															
35	527	1104	434	972															
40	379	1219	298	1082															
45	263	1326	215	1219															
50	199	1382	179	1346															
55	166	1133	157	1401															
60	136	563	129	1024															
65	105	258	101	421															
70	83.0	143	82.1	213															
75	58.3	74.3	57.5	107															
80	33.6	36.0	33.7	47.3															
85	13.6	7.18	15.1	11.5															
90	0.02	0.12	0.04	0.05															
95	0.02	0.05	0.04	0.06															
100	0.03	0.07	0.05	0.09															
105	0.03	0.09	0.06	0.17															
110	0.04	0.11	0.06	0.23															
115	0.05	0.13	0.06	0.24															
120	0.06	0.16	0.05	0.19															
125	0.07	0.19	0.05	0.16															
130	0.08	0.22	0.07	0.14															
135	0.09	0.22	0.08	0.14															
140	0.10	0.20	0.11	0.13															
145	0.11	0.16	0.13	0.15															
150	0.10	0.13	0.16	0.16															
155	0.11	0.13	0.15	0.16															
160	0.11	0.13	0.15	0.15															
165	0.12	0.13	0.15	0.15															
170	0.13	0.14	0.15	0.15															
175	0.17	0.18	0.18	0.18															
180	0.17	0.17	0.18	0.17															

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Paul  
 Test Date:2016-11-17

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.364  
 Humidity:65.0%  
 Test Distance:2.900m [K=0.8389]  
 Remarks: