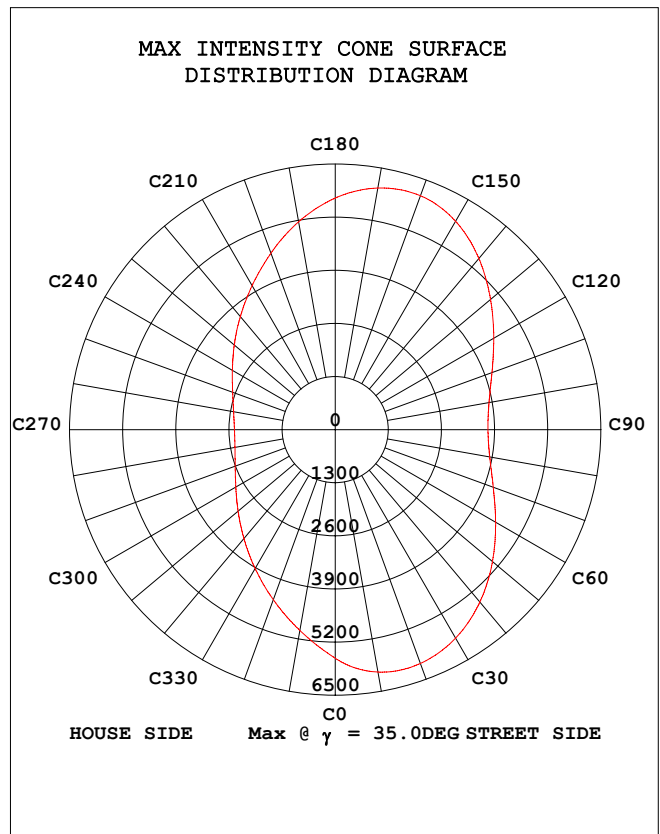
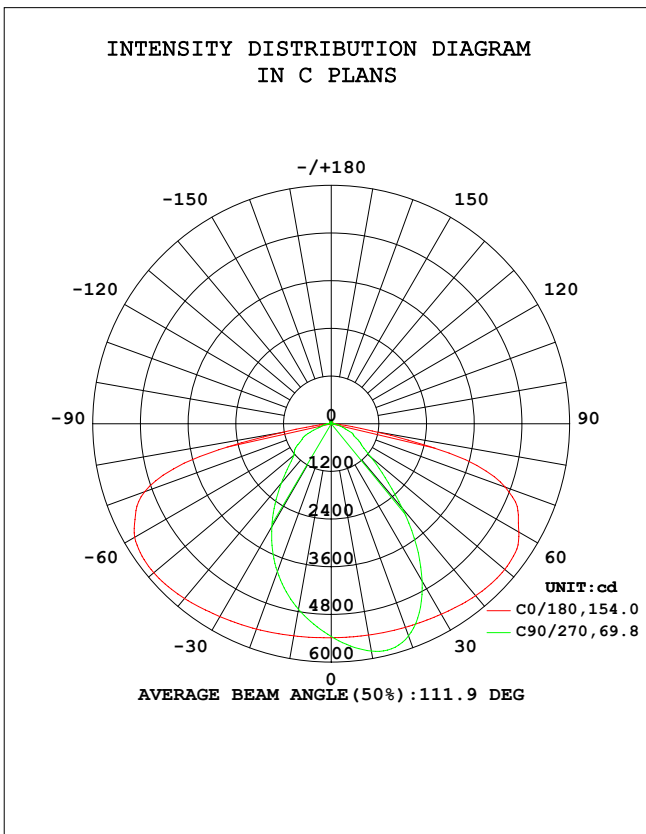


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:26.2V I:2.492A P:65.3W PF:1.000 Lamp Flux:11115.2lm		
NAME: 65W LED Street Light	TYPE:SLD12	WEIGHT:
SPEC.:65W LED Street Light	DIM.:	SERIAL No.:1
MFR.:	SUR.:240*150	Shielding Angle:

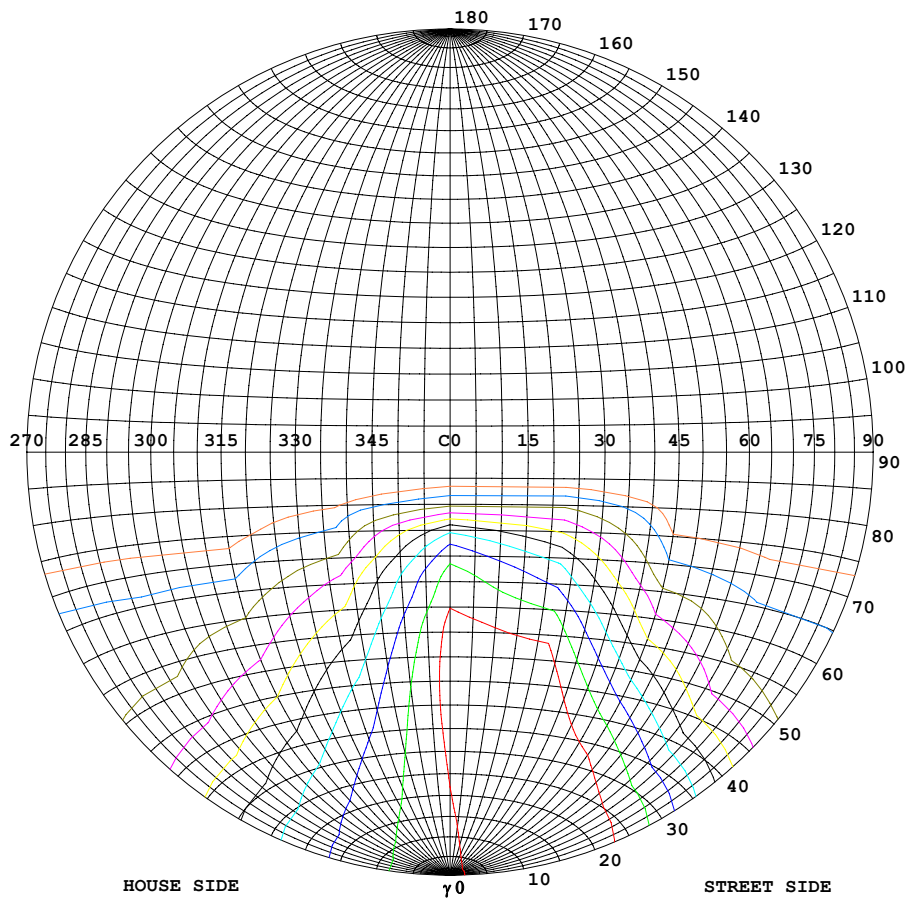
DATA OF LAMP		PHOTOMETRIC DATA Eff: 171.0 lm/W			
MODEL	4000K	I <sub>max</sub> (cd)	4071	η street_up (%)	0.6
NOMINAL POWER (W)	65.3	LOR (%)	100.0	η street_down (%)	56.3
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	11115	η house_up (%)	0.8
NOMINAL FLUX (lm)	11115.2	MAXIMUM @ (C, γ )	158,35.0	η house_down (%)	42.3
LAMPS INSIDE	1	η up (%)	1.5	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	26.2	η down (%)	98.5	SLI	21.401



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YP  
 Test Date: 2018-07-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 10.300m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**



Classification:

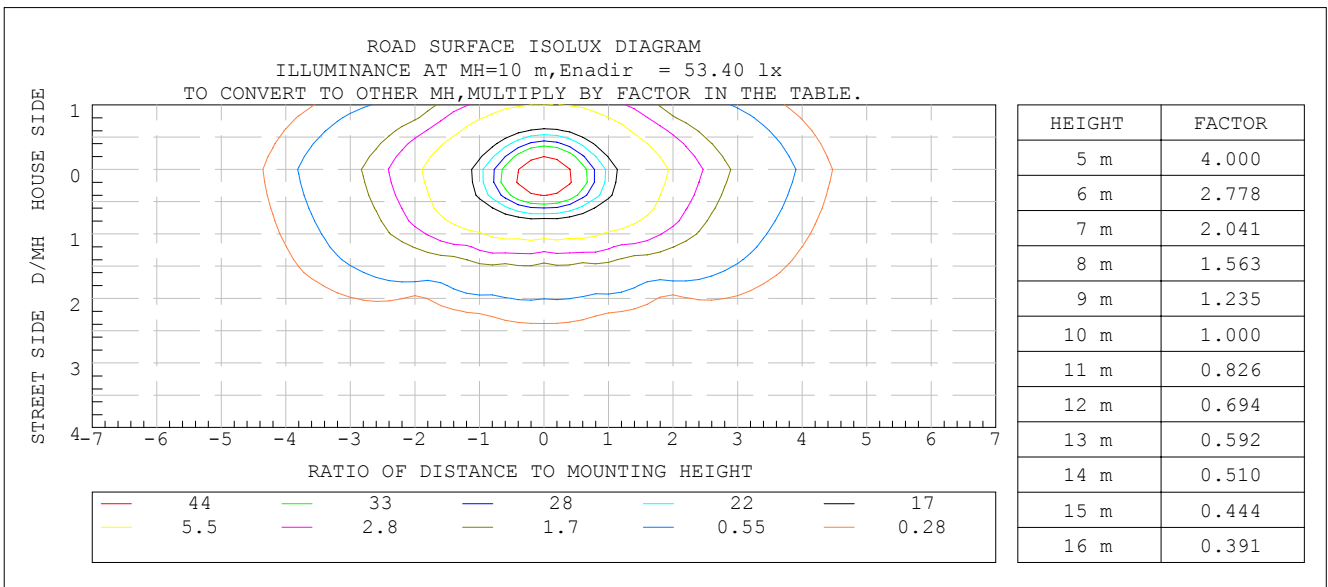
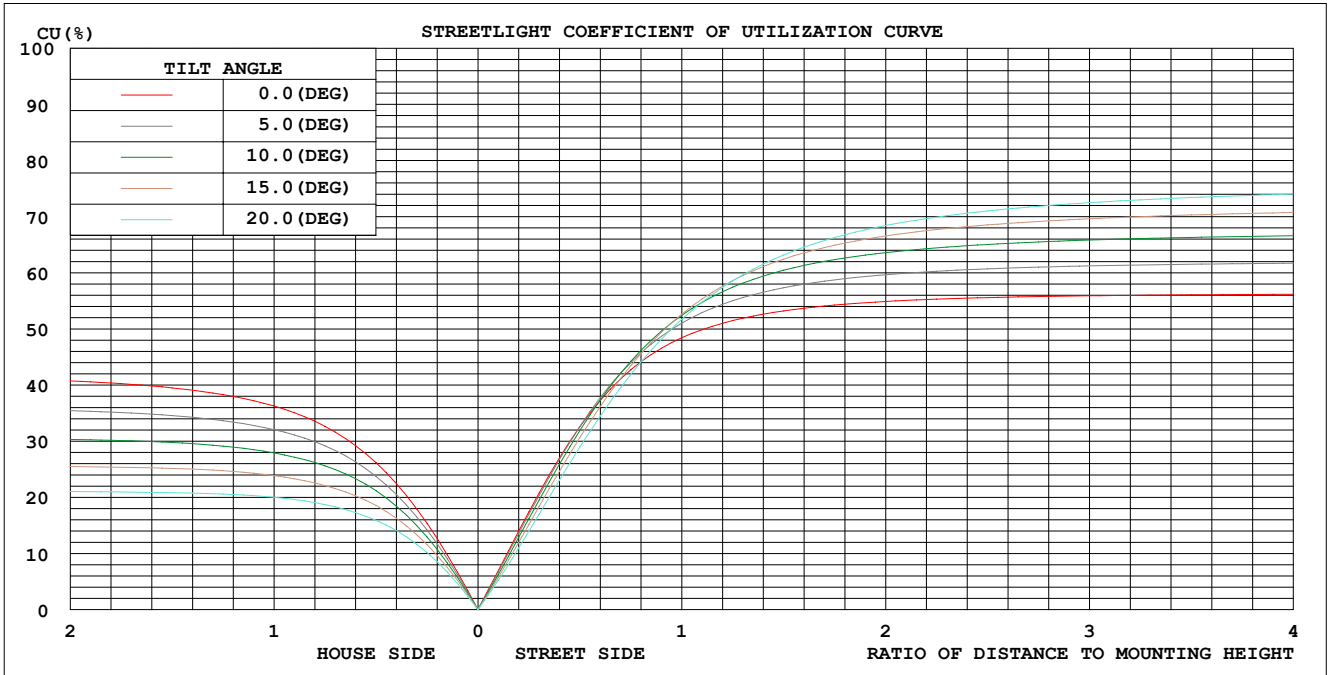
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:79.88cd/klm  
 Max.At90:3.317cd/klm  
 Max.80-90:79.88cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6071
90%	5464
80%	4857
70%	4250
60%	3643
50%	3036
40%	2428
30%	1821
20%	1214
10%	607
5%	304

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Temarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: YP  
Test Date: 2018-07-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
Humidity: 65.0%  
Test Distance: 10.300m [K=1.0000]  
Remarks:

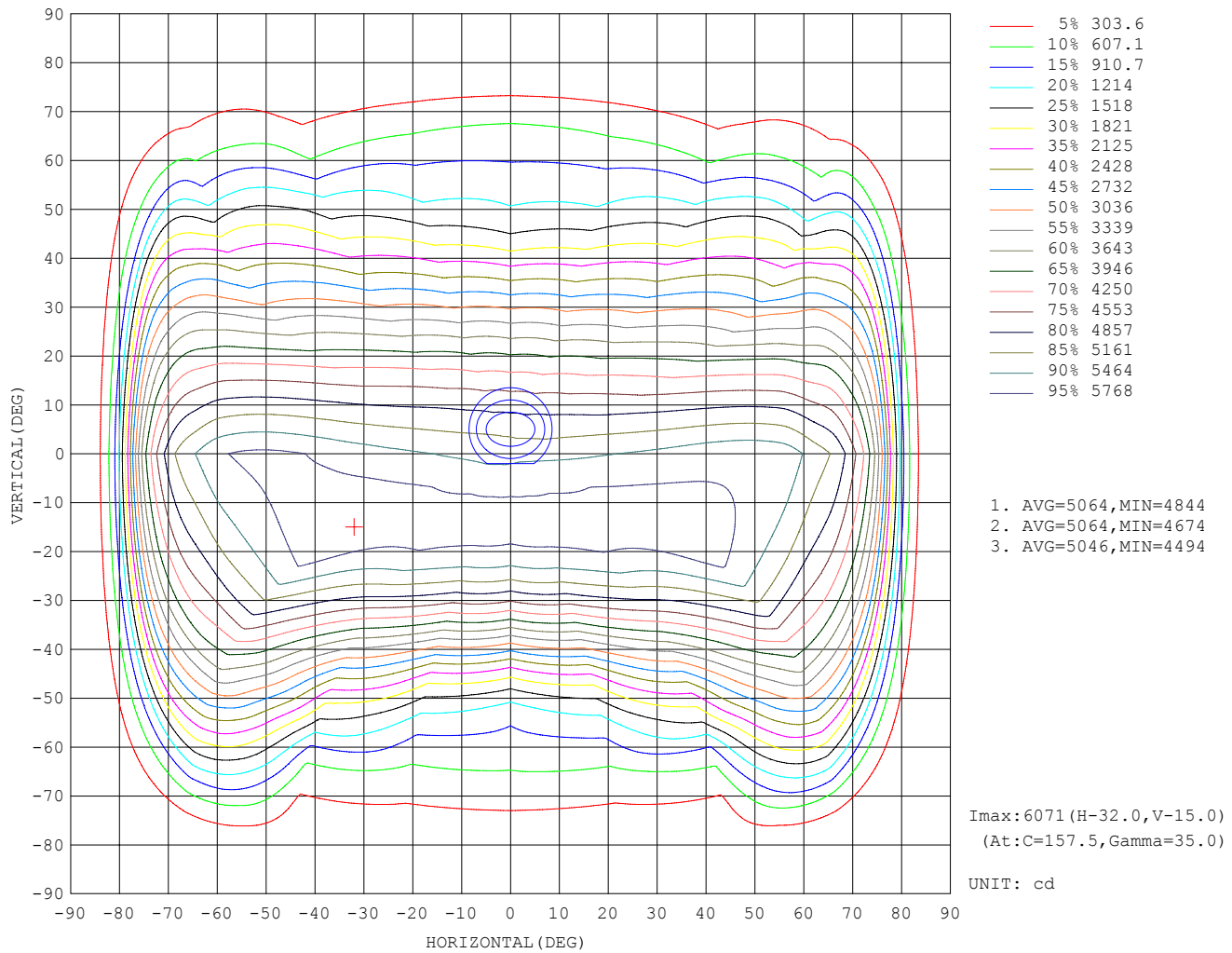
ZONAL FLUX DIAGRAM

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	5400	5728	5809	5721	5421	4969	4743	4912	0- 10	510.4	510.4	3.3,3.3
20	5452	5918	5685	5912	5499	4471	3963	4381	10- 20	1489	2000	12.9,12.9
30	5534	5647	4576	5611	5606	3812	2992	3692	20- 30	2281	4281	27.7,27.7
40	5651	4746	2789	4668	5740	2988	1959	2851	30- 40	2705	6986	45.1,45.1
50	5701	3385	1299	3277	5832	2129	1235	2002	40- 50	2706	9692	62.6,62.6
60	5450	1918	727.9	1845	5713	1327	895.3	1225	50- 60	2434	12126	78.4,78.4
70	4654	674.8	376.9	633.8	4993	466.4	475.6	435.1	60- 70	1932	14058	90.8,90.8
80	1050	132.0	159.6	135.0	1236	128.6	181.6	121.1	70- 80	1036	15094	97.5,97.5
90	33.12	23.31	33.97	25.17	39.99	46.37	51.33	43.65	80- 90	154.8	15248	98.5,98.5
100	29.80	7.689	4.843	7.142	32.81	15.77	5.309	15.03	90-100	19.23	15268	98.7,98.7
110	38.61	15.27	8.657	14.53	42.60	27.69	10.93	26.88	100-110	19.94	15288	98.8,98.8
120	46.73	24.28	14.19	23.26	51.31	40.06	21.43	39.88	110-120	27.48	15315	99,99
130	54.57	33.96	22.33	31.83	58.85	48.56	36.06	51.10	120-130	33.26	15348	99.2,99.2
140	63.29	44.04	32.54	40.44	65.55	55.66	50.14	60.14	130-140	36.03	15384	99.4,99.4
150	69.49	54.27	43.61	49.69	70.27	62.57	60.32	66.79	140-150	34.66	15419	99.6,99.6
160	74.22	64.23	55.57	59.67	74.51	69.72	68.33	71.38	150-160	29.08	15448	99.8,99.8
170	79.10	73.06	68.33	69.45	79.44	77.06	76.35	76.01	160-170	19.94	15468	100,100
180	81.57	79.07	78.18	77.09	81.71	79.15	78.29	77.11	170-180	7.277	15475	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Remarks:

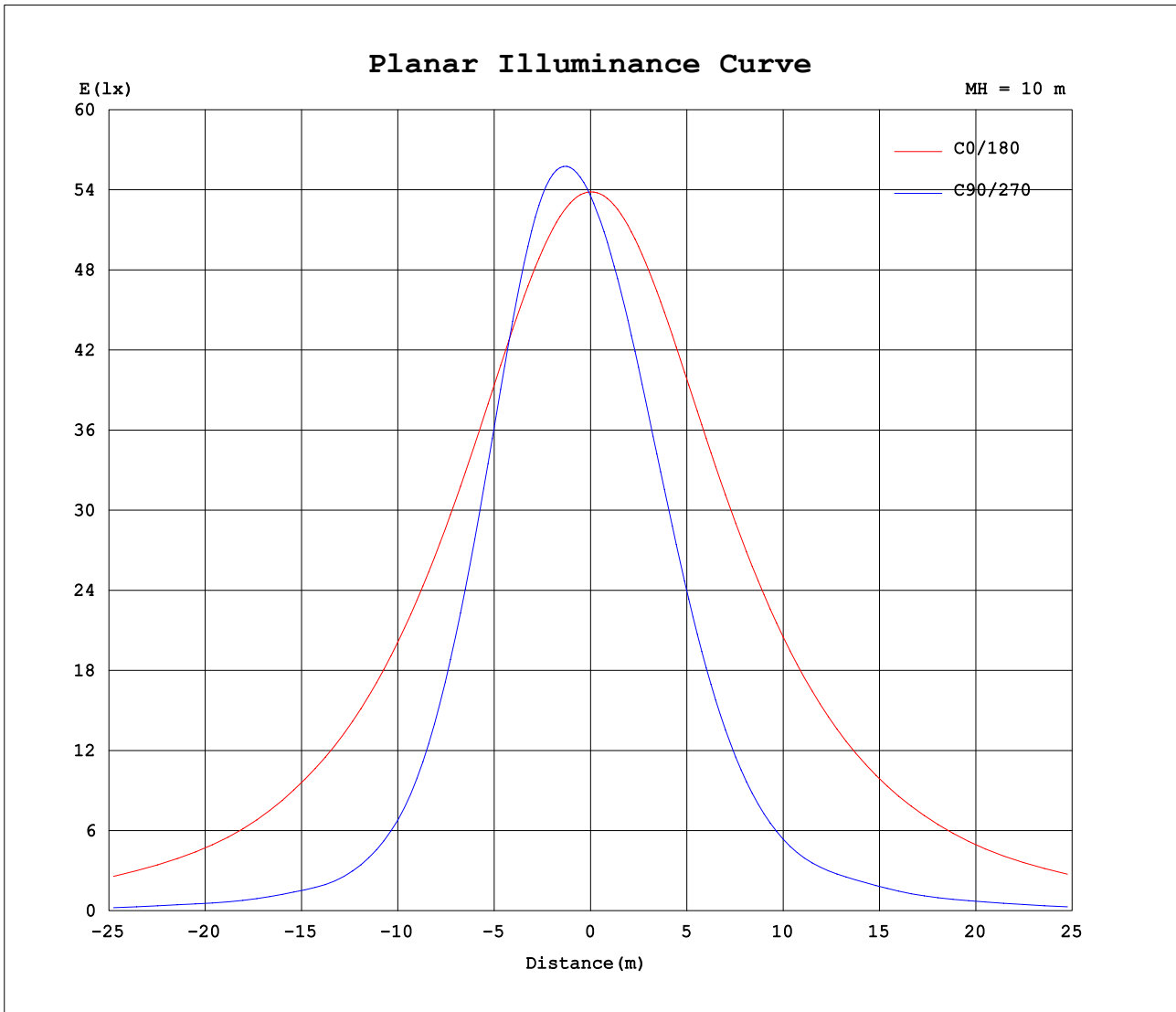
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Temarks:

Planar Illuminance Curve



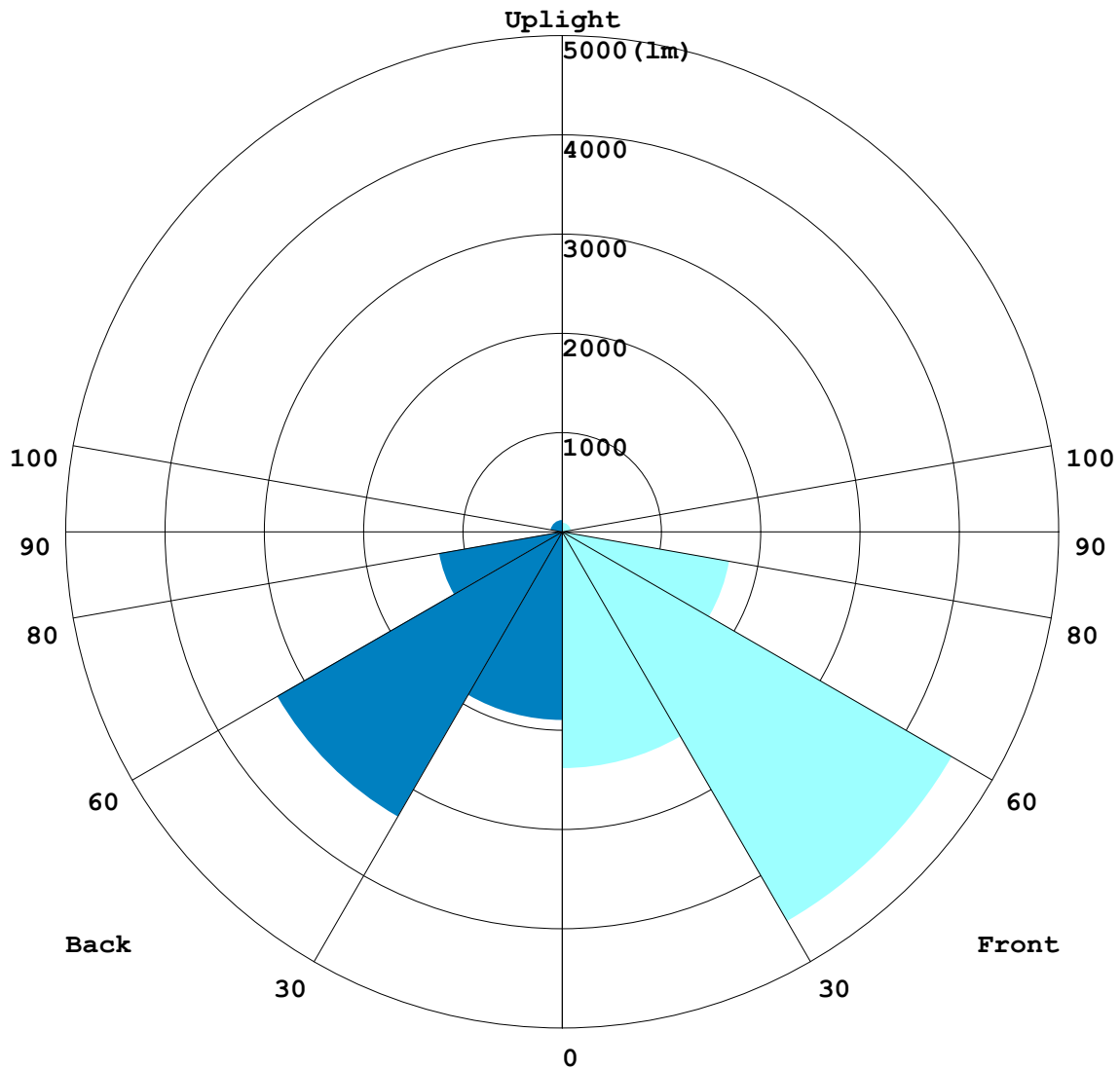
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YP  
 Test Date: 2018-07-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity: 65.0%  
 Test Distance: 10.300m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:26.2V I:2.492A P:65.3W PF:1.000 Lamp Flux:11115.2lm		
NAME: 65W LED Street Light	TYPE:SLD12	WEIGHT:
SPEC.:65W LED Street Light	DIM.:	SERIAL No.:1
MFR.:	SUR.:240*150	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:26.2V I:2.492A P:65.3W PF:1.000 Lamp Flux:11115.2lm		
NAME: 65W LED Street Light	TYPE:SLD12	WEIGHT:
SPEC.:65W LED Street Light	DIM.:	SERIAL No.:1
MFR.:	SUR.:240*150	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2383.4	15.4
FM - Front-Medium(30-60)	4532	29.3
FH - Front-High(60-80)	1708.9	11.0
FVH - Front-Very High(80-90)	82.899	0.5
<b>Total Forward Light</b>	<b>8805.9</b>	<b>56.9</b>

BL - Back-Low(0-30)	1897.4	12.3
BM - Back-Medium(30-60)	3313.2	21.4
BH - Back-High(60-80)	1258.7	8.1
BVH - Back-Very High(80-90)	71.854	0.5
<b>Total Back Light</b>	<b>6669.3</b>	<b>43.1</b>

UL - Uplight-Low(90-100)	19.232	0.1
UH - Uplight-High(100-180)	207.66	1.3
<b>Total Up Light</b>	<b>226.9</b>	<b>1.5</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B3-U3-G3</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6541.2	128.18	6669.3
Street Side	8707.2	98.718	8805.9

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

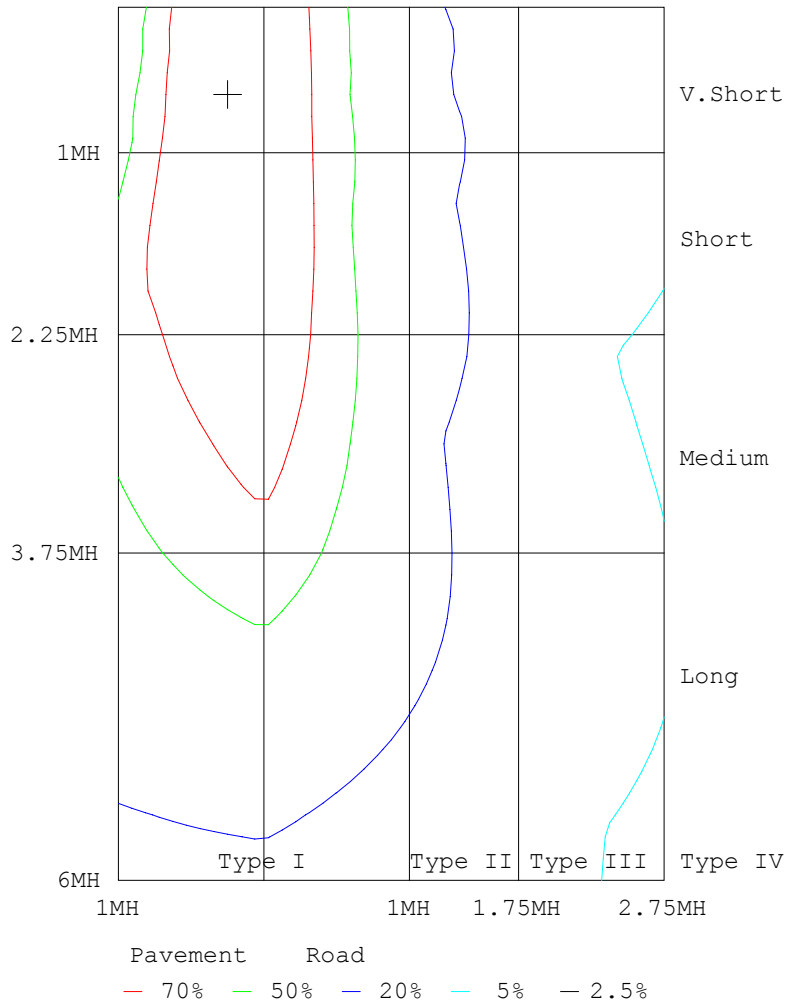
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Temarks:



ROAD ISOCANDELA REPORT

Test:U:26.2V I:2.492A P:65.3W PF:1.000 Lamp Flux:11115.2lm		
NAME: 65W LED Street Light	TYPE:SLD12	WEIGHT:
SPEC.:65W LED Street Light	DIM.:	SERIAL No.:1
MFR.:	SUR.:240*150	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	5385	5376	5372	5358	5355	5340	5342	5332	5385	5376	5372	5358	5355	5340	5342	5332			
5	5388	5483	5560	5599	5615	5588	5542	5452	5397	5277	5179	5093	5065	5068	5136	5221			
10	5400	5595	5728	5790	5809	5785	5721	5578	5421	5182	4969	4801	4743	4769	4912	5108			
15	5422	5708	5861	5881	5864	5876	5859	5707	5455	5079	4736	4472	4378	4430	4664	4988			
20	5452	5825	5918	5789	5685	5776	5912	5835	5499	4963	4471	4096	3963	4048	4381	4855			
25	5488	5930	5855	5470	5246	5446	5837	5949	5546	4822	4163	3677	3502	3619	4055	4698			
30	5534	6018	5647	4929	4576	4894	5611	6037	5606	4655	3812	3206	2992	3140	3692	4514			
35	5592	6060	5271	4208	3738	4170	5215	6071	5669	4460	3414	2723	2468	2649	3282	4298			
40	5651	6036	4746	3380	2789	3331	4668	6035	5740	4229	2988	2255	1959	2176	2851	4048			
45	5692	5920	4106	2493	1919	2440	4010	5906	5800	3953	2556	1814	1517	1743	2422	3749			
50	5701	5689	3385	1763	1299	1725	3277	5662	5832	3613	2129	1433	1235	1373	2002	3383			
55	5655	5331	2616	1265	930	1231	2508	5290	5811	3205	1716	1147	1117	1114	1598	2959			
60	5450	4826	1918	917	728	884	1845	4804	5713	2758	1327	955	895	923	1225	2491			
65	5185	4160	1312	647	603	621	1259	4135	5435	2271	873	705	749	672	812	2017			
70	4654	3437	675	392	377	397	634	3371	4993	1613	466	450	476	447	435	1311			
75	3497	2359	324	243	254	251	315	2252	3835	884	229	249	259	258	201	683			
80	1050	1095	132	139	160	140	135	1005	1236	364	129	161	182	160	121	268			
85	165	116	63.4	80.4	77.4	80.0	68.5	123	193	86.7	86.5	110	114	104	86.5	77.2			
90	33.1	28.4	23.3	30.8	34.0	32.5	25.2	29.6	40.0	45.9	46.4	34.7	51.3	30.4	43.6	42.2			
95	27.6	13.6	5.47	6.80	9.78	7.88	5.50	12.8	33.1	25.5	11.9	4.68	3.86	4.54	10.6	25.0			
100	29.8	17.8	7.69	5.07	4.84	4.94	7.14	16.8	32.8	29.7	15.8	6.96	5.31	6.74	15.0	29.9			
105	34.6	23.2	11.3	7.18	6.64	6.92	10.6	22.4	38.1	35.2	21.5	10.4	7.70	9.99	20.8	35.5			
110	38.6	28.1	15.3	9.57	8.66	9.28	14.5	27.5	42.6	40.1	27.7	14.7	10.9	14.1	26.9	40.5			
115	42.8	33.5	19.8	12.5	11.1	12.1	18.9	32.5	47.1	45.0	34.0	20.1	15.5	19.5	33.4	46.0			
120	46.7	38.6	24.3	15.9	14.2	15.6	23.3	36.3	51.3	48.5	40.1	26.5	21.4	25.6	39.9	51.1			
125	50.5	43.6	29.1	19.9	18.0	19.7	27.6	39.2	55.1	51.2	44.4	33.5	28.5	32.5	45.7	55.8			
130	54.6	48.4	34.0	24.5	22.3	24.2	31.8	42.5	58.8	54.2	48.6	40.5	36.1	39.9	51.1	59.7			
135	58.9	52.8	39.0	29.5	27.2	29.0	36.1	46.2	62.4	57.8	52.2	46.6	44.1	46.8	55.9	63.1			
140	63.3	56.9	44.0	34.9	32.5	34.1	40.4	50.0	65.5	60.8	55.7	52.3	50.1	52.8	60.1	65.7			
145	66.7	60.6	49.2	40.6	38.0	39.4	45.0	53.7	68.0	63.7	59.1	56.3	56.3	58.1	63.8	67.9			
150	69.5	64.1	54.3	46.3	43.6	44.8	49.7	57.5	70.3	66.8	62.6	60.1	60.3	62.2	66.8	69.8			
155	72.1	67.6	59.4	52.0	49.4	50.5	54.6	61.3	72.3	69.5	65.8	63.7	64.3	65.5	69.1	71.4			
160	74.2	70.8	64.2	57.8	55.6	56.5	59.7	64.8	74.5	72.5	69.7	67.9	68.3	68.9	71.4	73.3			
165	76.5	74.1	68.9	63.6	62.0	62.6	64.7	68.3	77.0	75.3	73.7	72.5	72.5	72.1	73.8	75.2			
170	79.1	77.0	73.1	69.1	68.3	68.6	69.4	71.6	79.4	77.8	77.1	76.6	76.4	75.2	76.0	77.0			
175	80.8	78.8	76.6	74.0	74.0	73.7	73.6	74.9	81.0	79.5	78.7	78.0	78.6	77.1	77.0	77.5			
180	81.6	80.0	79.1	77.7	78.2	77.3	77.1	77.4	81.7	79.9	79.2	77.6	78.3	77.3	77.1	77.5			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YP  
 Test Date:2018-07-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.354  
 Humidity:65.0%  
 Test Distance:10.300m [K=1.0000]  
 Temarks: