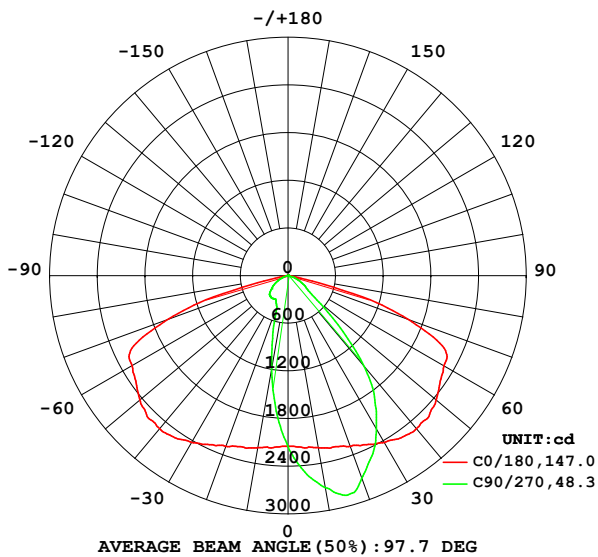
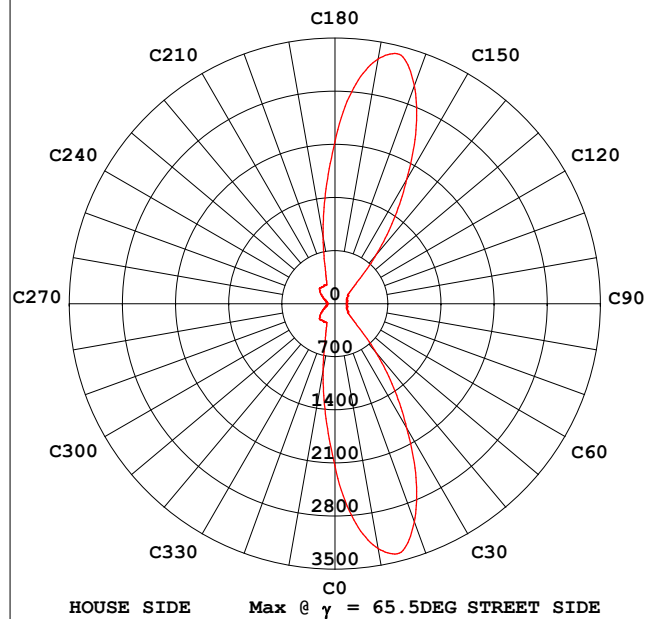


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.2122A P:47.01W PF:0.9622 Lamp Flux:5836.67x1 lm		
NAME: ST09-050	TYPE:50W	WEIGHT:
SPEC.:4000K Ra70	DIM.: 0.6796*0.2815*0.2175	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.16 lm/W			
MODEL	ST09-050	I _{max} (cd)	3388	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	74.8
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	5837	η house_up (%)	0.0
NOMINAL FLUX (lm)	5836.67	MAXIMUM @ (C, γ)	15,65.5	η house_down (%)	25.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

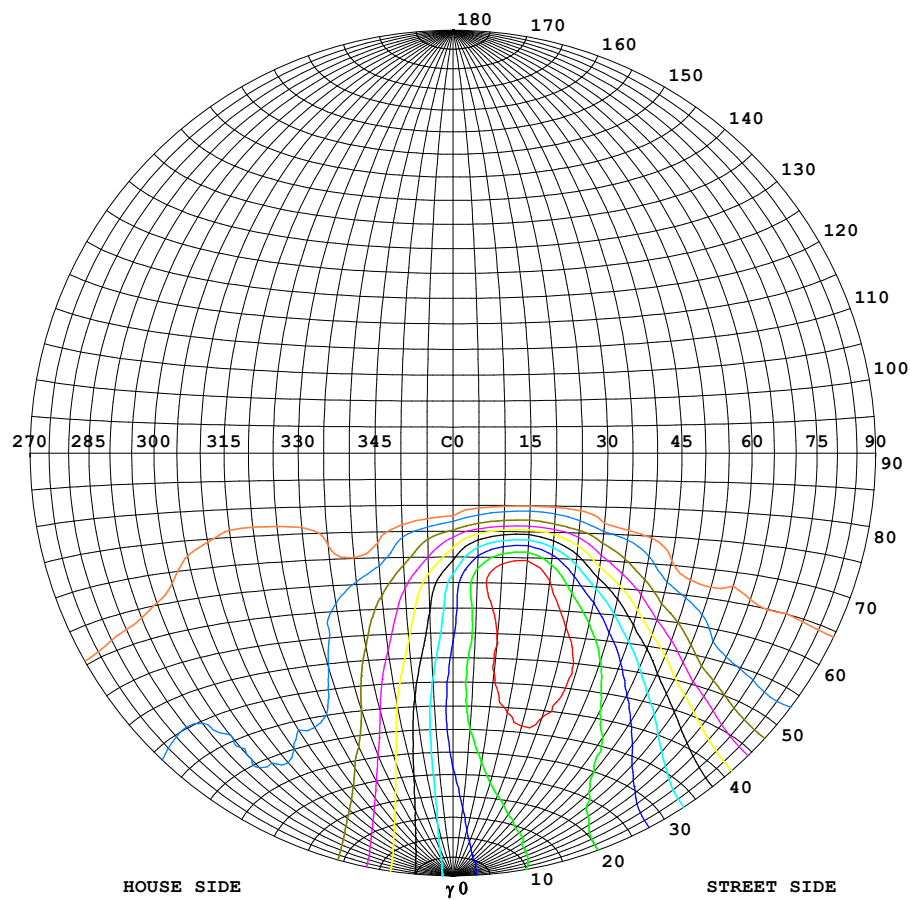
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Checker:
Note: SLI:Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:26.38cd/klm
Max.At90:0cd/klm
Max.80-90:26.38cd/klm

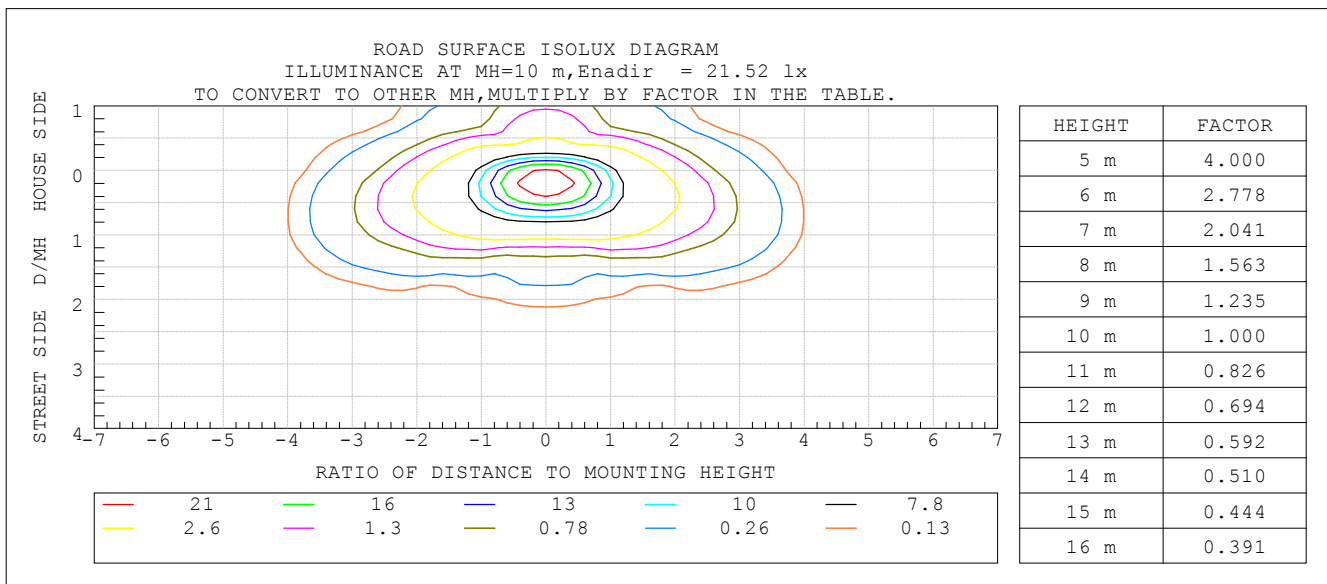
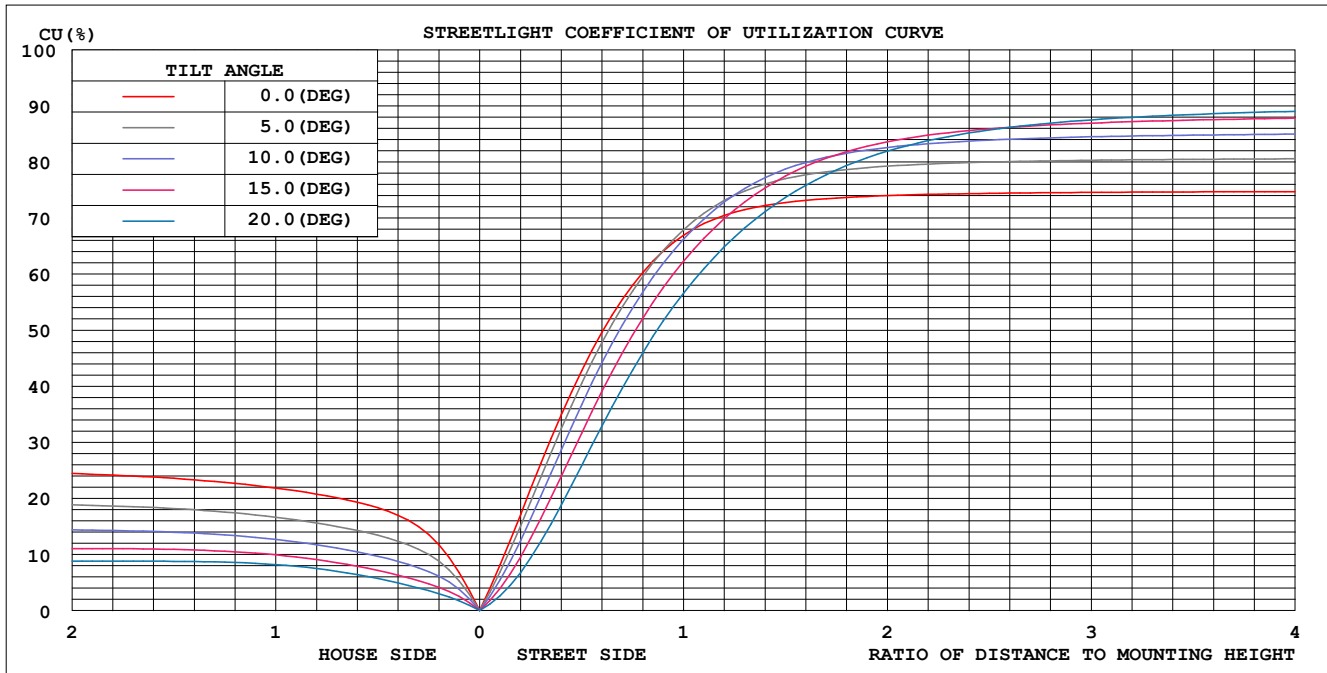
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3388
90%	3050
80%	2711
70%	2372
60%	2033
50%	1694
40%	1355
30%	1017
20%	678
10%	339
5%	169

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-14

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Checker:

Assessor:

ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	2171	2400	2485	2400	2171	1858	1711	1858	0- 5	51.20	51.20	0.88,0.88
10	2198	2588	2711	2588	2198	1515	1197	1515	5- 10	150.1	201.3	3.45,3.45
15	2231	2749	2864	2749	2231	1160	735.1	1160	10- 15	239.9	441.2	7.56,7.56
20	2288	2888	2714	2888	2288	827.2	421.0	827.2	15- 20	318.7	759.9	13,13
25	2347	2876	2504	2876	2347	547.5	358.8	547.5	20- 25	384.8	1145	19.6,19.6
30	2426	2799	2228	2799	2426	408.7	340.8	408.7	25- 30	444.5	1589	27.2,27.2
35	2489	2748	1908	2748	2489	360.7	350.2	360.7	30- 35	495.4	2085	35.7,35.7
40	2513	2601	1494	2601	2513	328.1	347.0	328.1	35- 40	533.0	2618	44.8,44.8
45	2508	2395	936.8	2395	2508	313.0	331.3	313.0	40- 45	549.6	3167	54.3,54.3
50	2435	2104	476.8	2104	2435	299.1	280.2	299.1	45- 50	540.8	3708	63.5,63.5
55	2338	1629	295.1	1629	2338	284.6	231.2	284.6	50- 55	510.6	4219	72.3,72.3
60	2268	1007	234.0	1007	2268	269.6	175.1	269.6	55- 60	477.0	4696	80.5,80.5
65	2172	487.4	159.8	487.4	2172	302.9	119.7	302.9	60- 65	440.9	5137	88,88
70	1599	185.3	99.38	185.3	1599	258.5	71.28	258.5	65- 70	369.0	5506	94.3,94.3
75	716.2	105.8	12.21	105.8	716.2	194.4	3.983	194.4	70- 75	241.7	5747	98.5,98.5
80	59.26	41.55	1.591	41.55	59.26	58.35	0.5226	58.35	75- 80	77.55	5825	99.8,99.8
85	6.707	7.484	1.811	7.484	6.707	2.839	0.6151	2.839	80- 85	9.879	5835	100,100
90	0	0	0	0	0	0	0	0	85- 90	1.986	5837	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

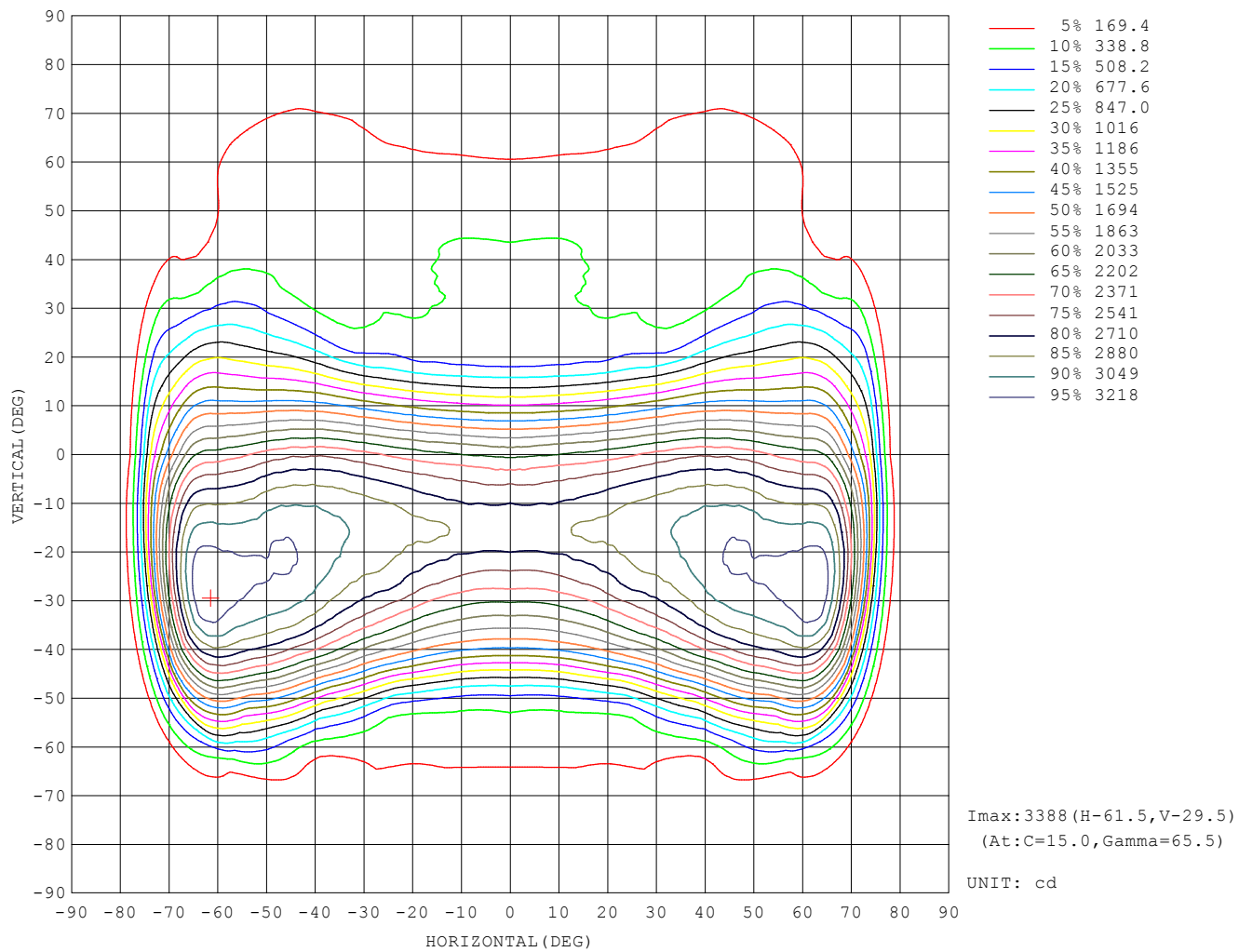
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-14

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM



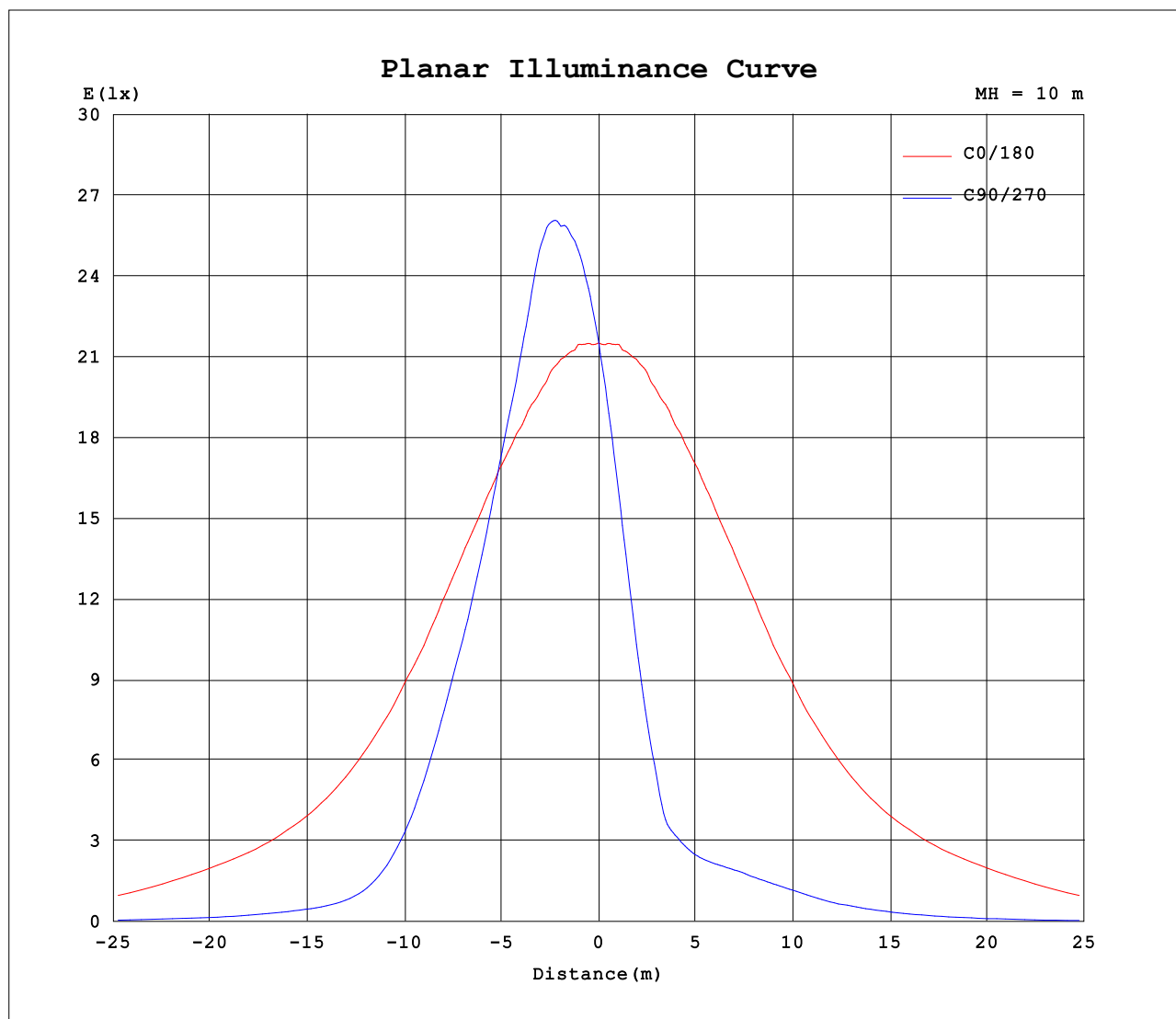
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

Checker:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

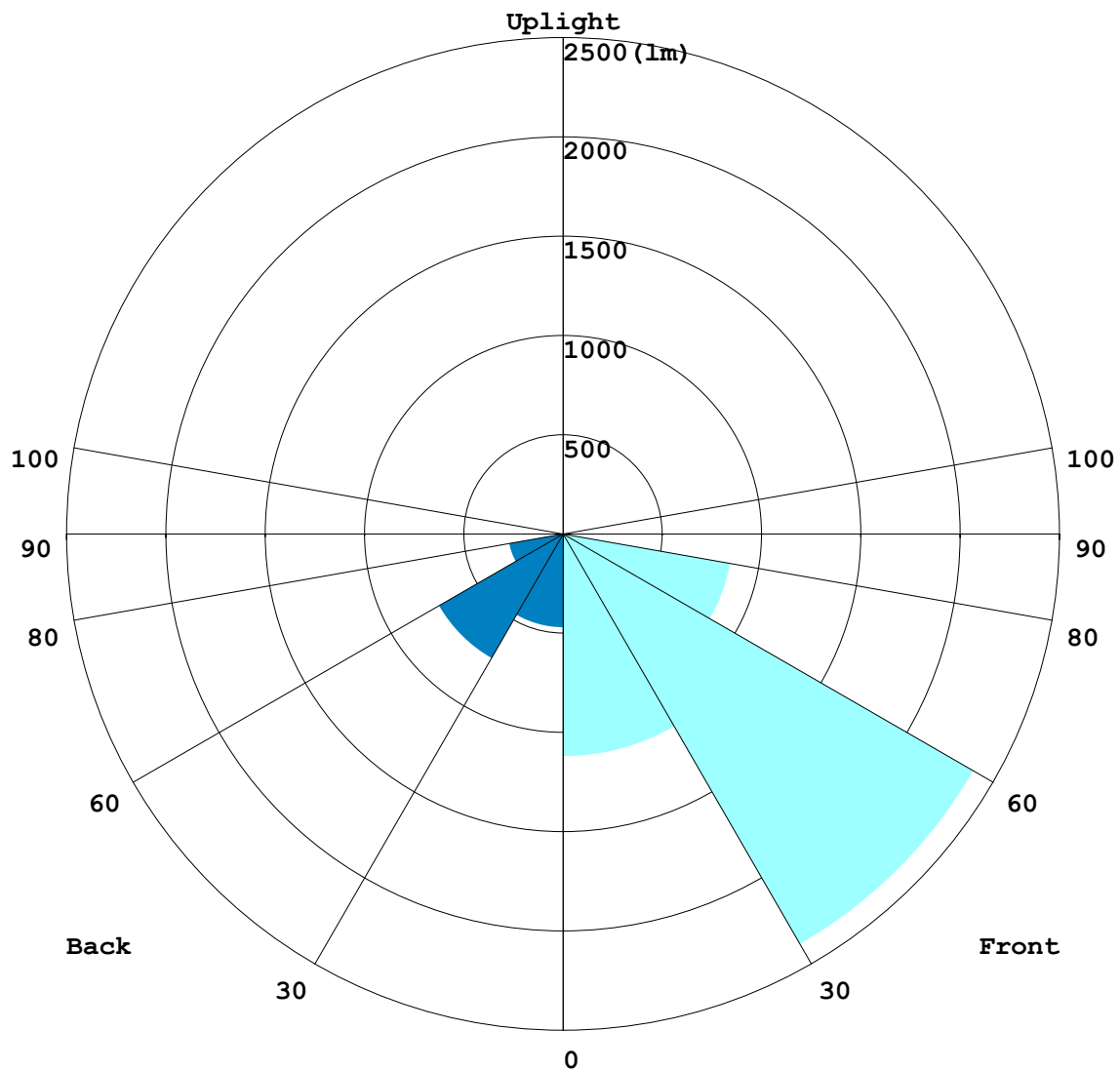
Checker:

Assessor:

LCS REPORT

Test:U:230.1V I:0.2122A P:47.01W PF:0.9622 Lamp Flux:5836.67x1 lm		
NAME: ST09-050	TYPE:50W	WEIGHT:
SPEC.:4000K Ra70	DIM.: 0.6796*0.2815*0.2175	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-14

Checker:

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

BUG REPORT

Test:U:230.1V I:0.2122A P:47.01W PF:0.9622 Lamp Flux:5836.67x1 lm		
NAME: ST09-050	TYPE:50W	WEIGHT:
SPEC.:4000K Ra70	DIM.: 0.6796*0.2815*0.2175	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1119.5	19.2
FM - Front-Medium(30-60)	2385.4	40.9
FH - Front-High(60-80)	853.4	14.6
FVH - Front-Very High(80-90)	7.5047	0.1
Total Forward Light	4365.9	74.8

BL - Back-Low(0-30)	469.75	8.0
BM - Back-Medium(30-60)	720.97	12.4
BH - Back-High(60-80)	275.73	4.7
BVH - Back-Very High(80-90)	4.3597	0.1
Total Back Light	1470.8	25.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1470.8	0	1470.8
Street Side	4365.9	0	4365.9

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-14

Checker:

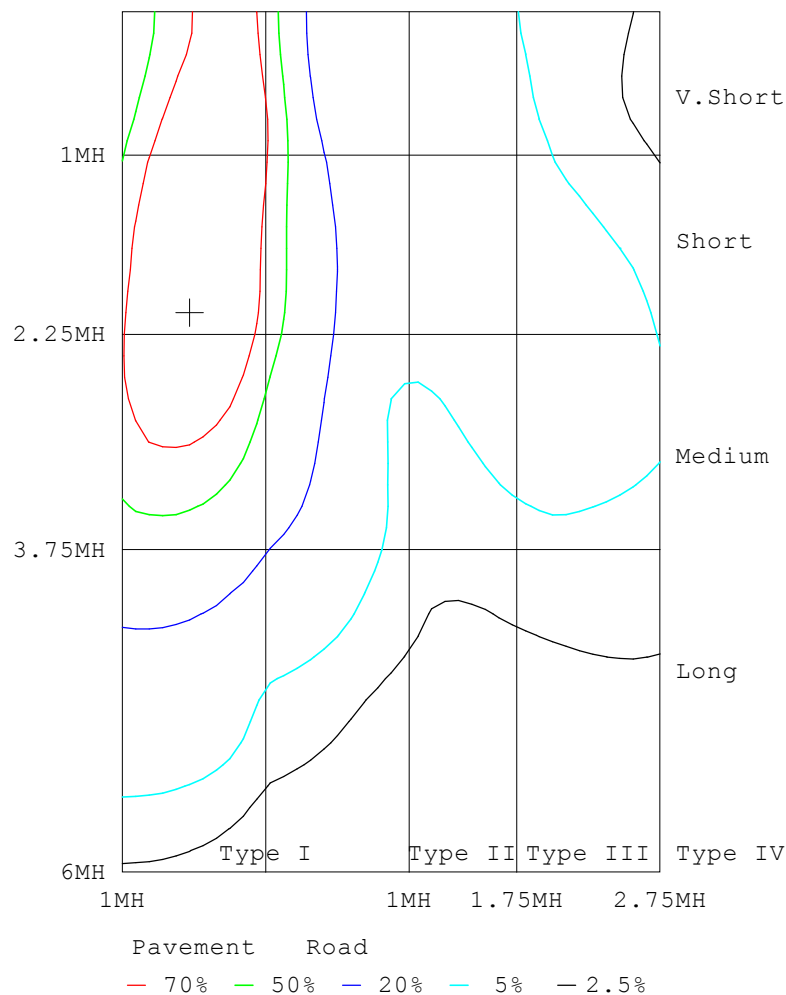
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.1V I:0.2122A P:47.01W PF:0.9622 Lamp Flux:5836.67x1 lm		
NAME: ST09-050	TYPE:50W	WEIGHT:
SPEC.:4000K Ra70	DIM.: 0.6796*0.2815*0.2175	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.500m [K=1.0000]
 Remarks:

Checker:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

UNIT: cd

Assessor: