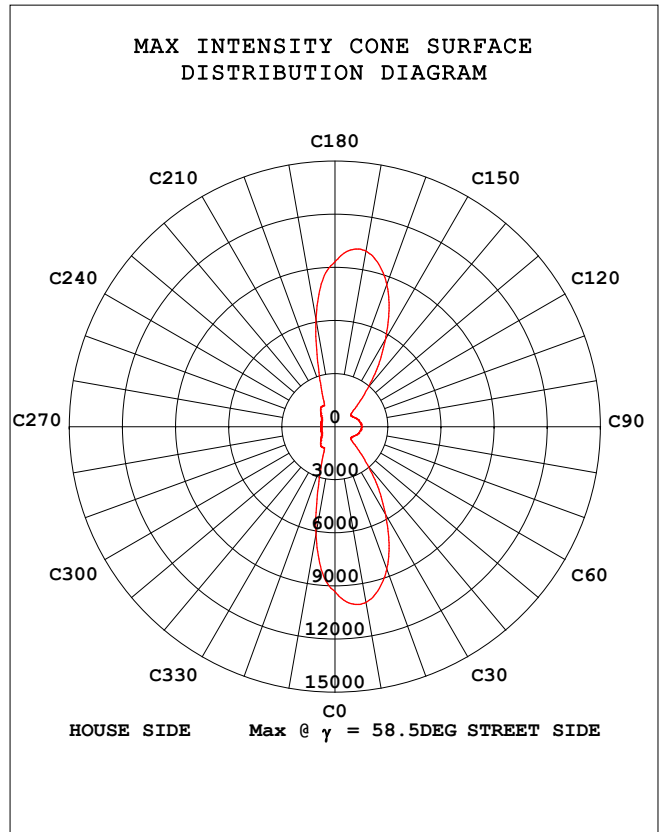
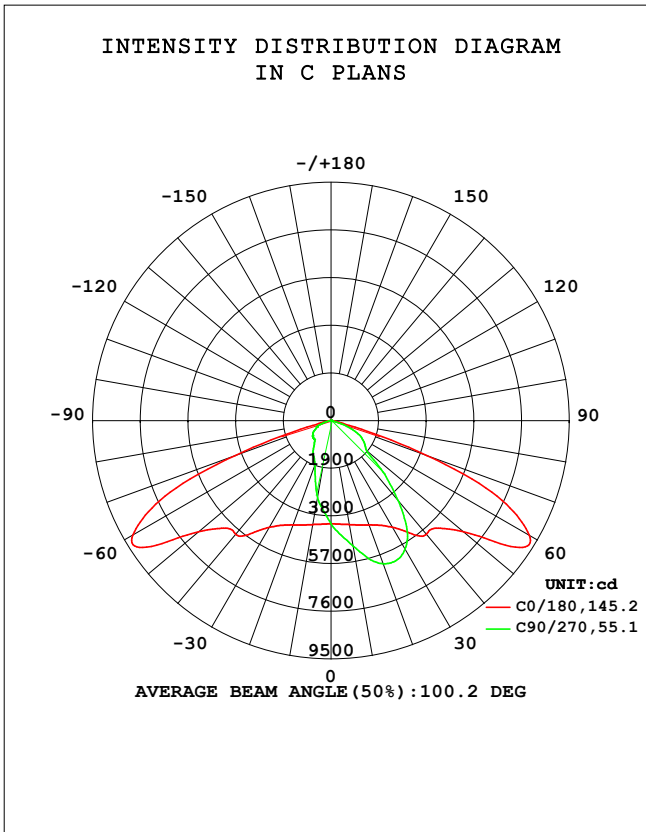


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.5380A P:120.1W PF:0.9704 Lamp Flux:14673.2x1 lm		
NAME: ST03-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra70 R17604	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.17 lm/W			
MODEL	ST03-120	Imax (cd)	10126	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	67.3
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	14673	η house_up (%)	0.0
NOMINAL FLUX (lm)	14673.2	MAXIMUM @ (C, γ)	8,58.5	η house_down (%)	32.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



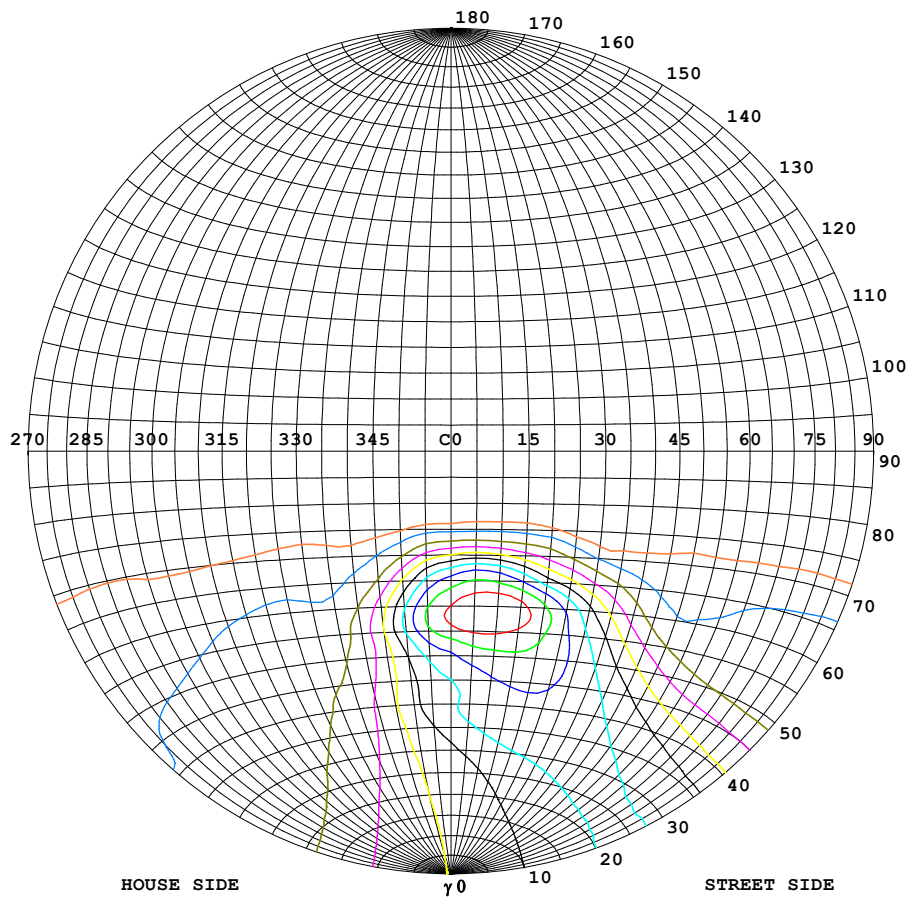
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-06-30

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 I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:13.36cd/klm
 Max.At90:0.9104cd/klm
 Max.80-90:13.36cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10126
90%	9114
80%	8101
70%	7088
60%	6076
50%	5063
40%	4051
30%	3038
20%	2025
10%	1013
5%	506

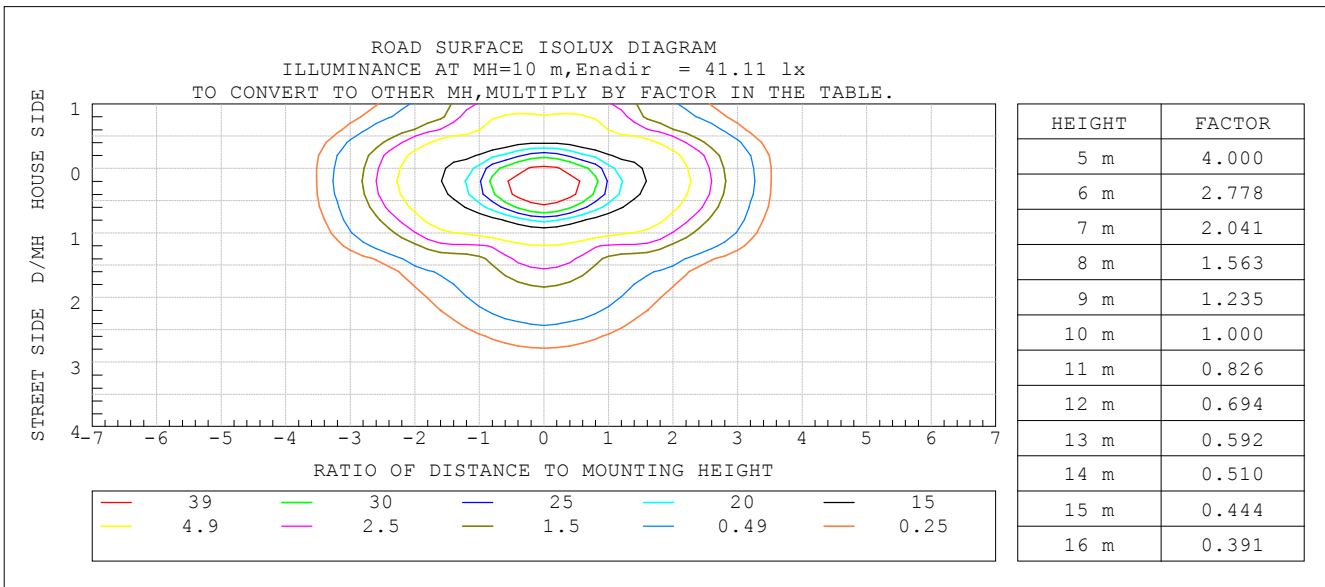
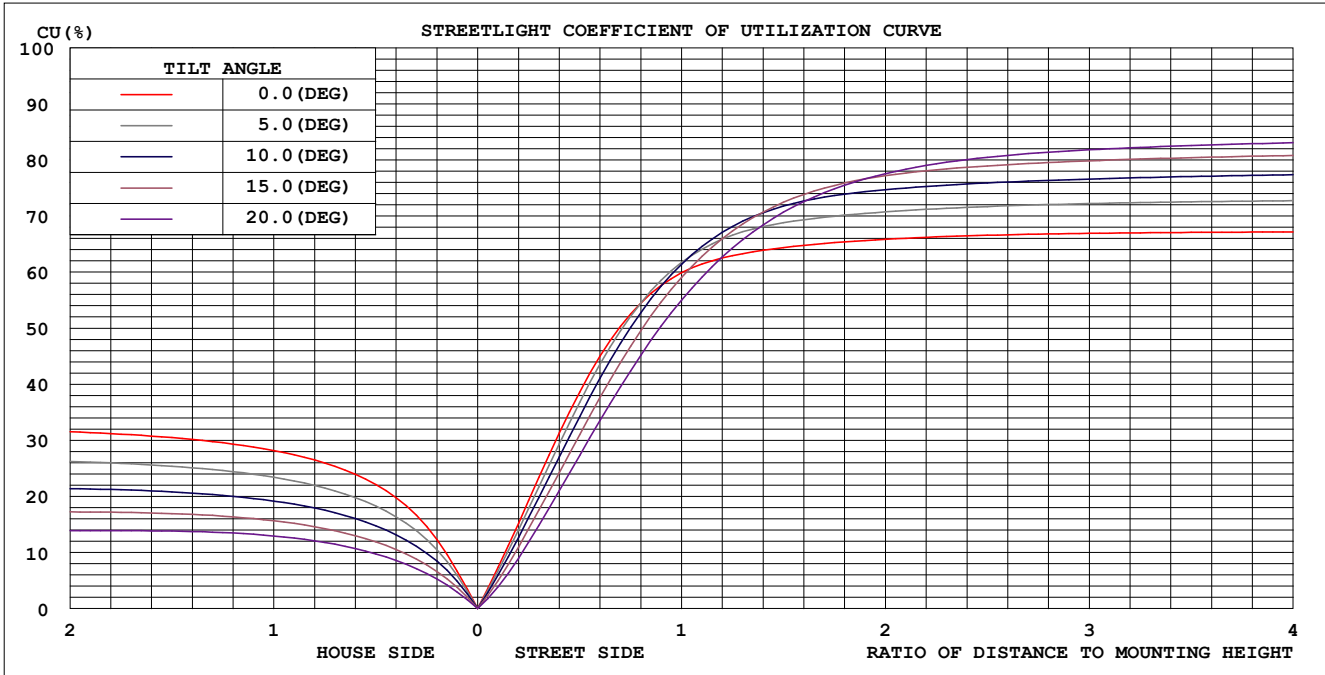
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-06-30

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	414.7	445.6	457.8	445.6	414.7	375.3	360.0	375.3	0- 5	98.19	98.19	0.67,0.67
10	420.9	481.3	506.7	481.3	420.9	347.6	311.3	347.6	5- 10	295.3	393.5	2.68,2.68
15	430.9	523.9	566.3	523.9	430.9	307.9	243.9	307.9	10- 15	492.7	886.2	6.04,6.04
20	442.6	571.7	607.1	571.7	442.6	259.9	189.4	259.9	15- 20	687.6	1574	10.7,10.7
25	460.3	608.2	615.1	608.2	460.3	220.4	162.3	220.4	20- 25	877.2	2451	16.7,16.7
30	491.7	634.8	591.6	634.8	491.7	198.5	144.8	198.5	25- 30	1064	3515	24,24
35	546.8	630.7	528.1	630.7	546.8	187.2	117.5	187.2	30- 35	1246	4762	32.5,32.5
40	591.7	596.7	417.0	596.7	591.7	179.9	103.0	179.9	35- 40	1375	6137	41.8,41.8
45	606.9	533.5	303.7	533.5	606.9	167.7	99.98	167.7	40- 45	1419	7556	51.5,51.5
50	690.0	421.2	184.8	421.2	690.0	153.0	96.65	153.0	45- 50	1428	8984	61.2,61.2
55	874.8	286.2	164.9	286.2	874.8	133.4	88.29	133.4	50- 55	1459	10443	71.2,71.2
60	911.6	159.9	144.0	159.9	911.6	104.5	75.33	104.5	55- 60	1500	11943	81.4,81.4
65	752.3	89.72	110.9	89.72	752.3	73.54	61.23	73.54	60- 65	1297	13241	90.2,90.2
70	407.0	58.49	67.38	58.49	407.0	52.62	43.91	52.62	65- 70	875.5	14116	96.2,96.2
75	75.59	38.16	16.86	38.16	75.59	31.85	21.67	31.85	70- 75	389.4	14506	98.9,98.9
80	17.43	14.46	1.782	14.46	17.43	12.55	1.343	12.55	75- 80	128.8	14634	99.7,99.7
85	2.552	1.789	0.5424	1.789	2.552	1.963	0.3011	1.963	80- 85	33.83	14668	100,100
90	1.080	0.3419	0.2672	0.3419	1.080	0.6219	0.3632	0.6219	85- 90	5.106	14673	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:×10cd								UNIT:lm			

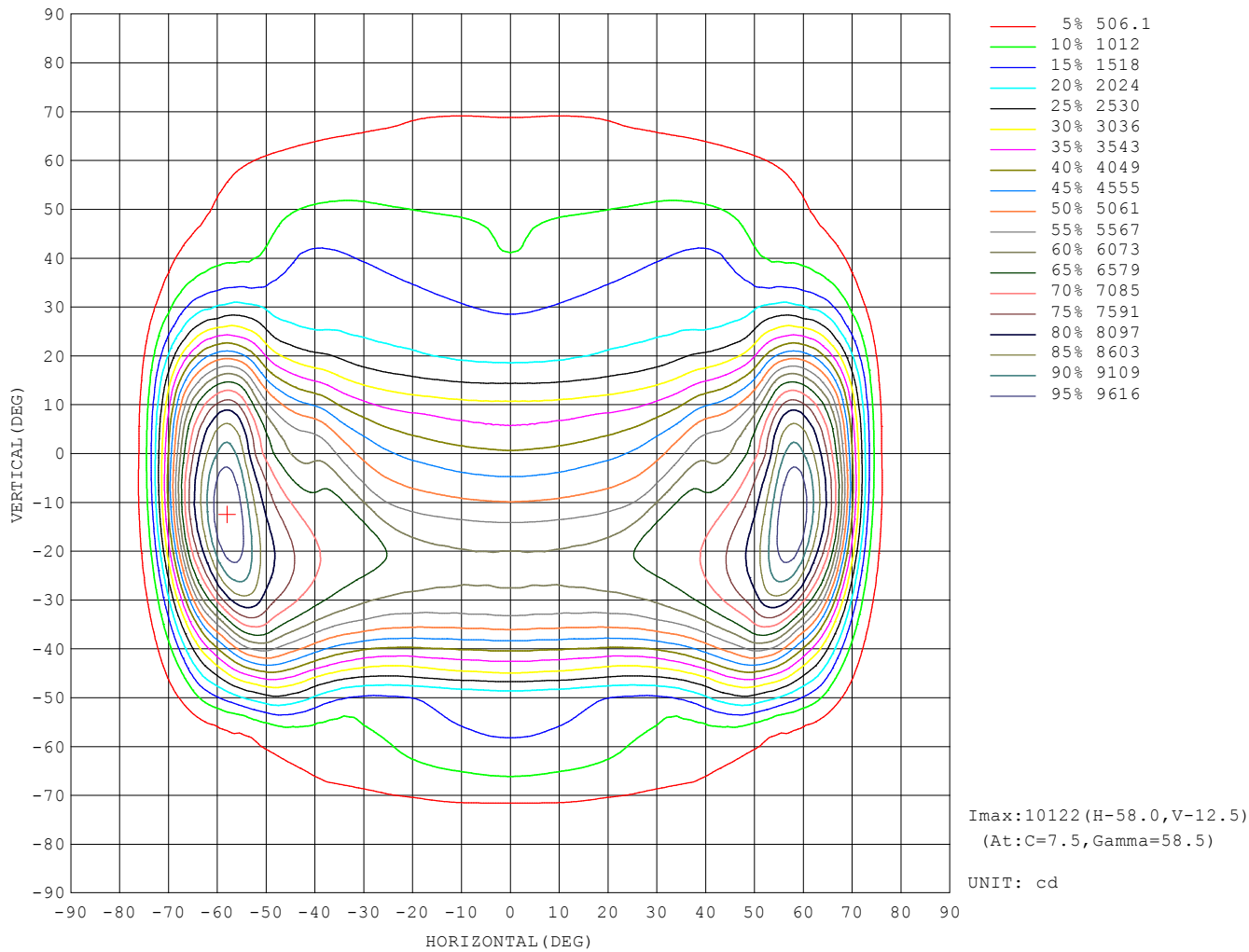
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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:

ISOCANDELA DIAGRAM



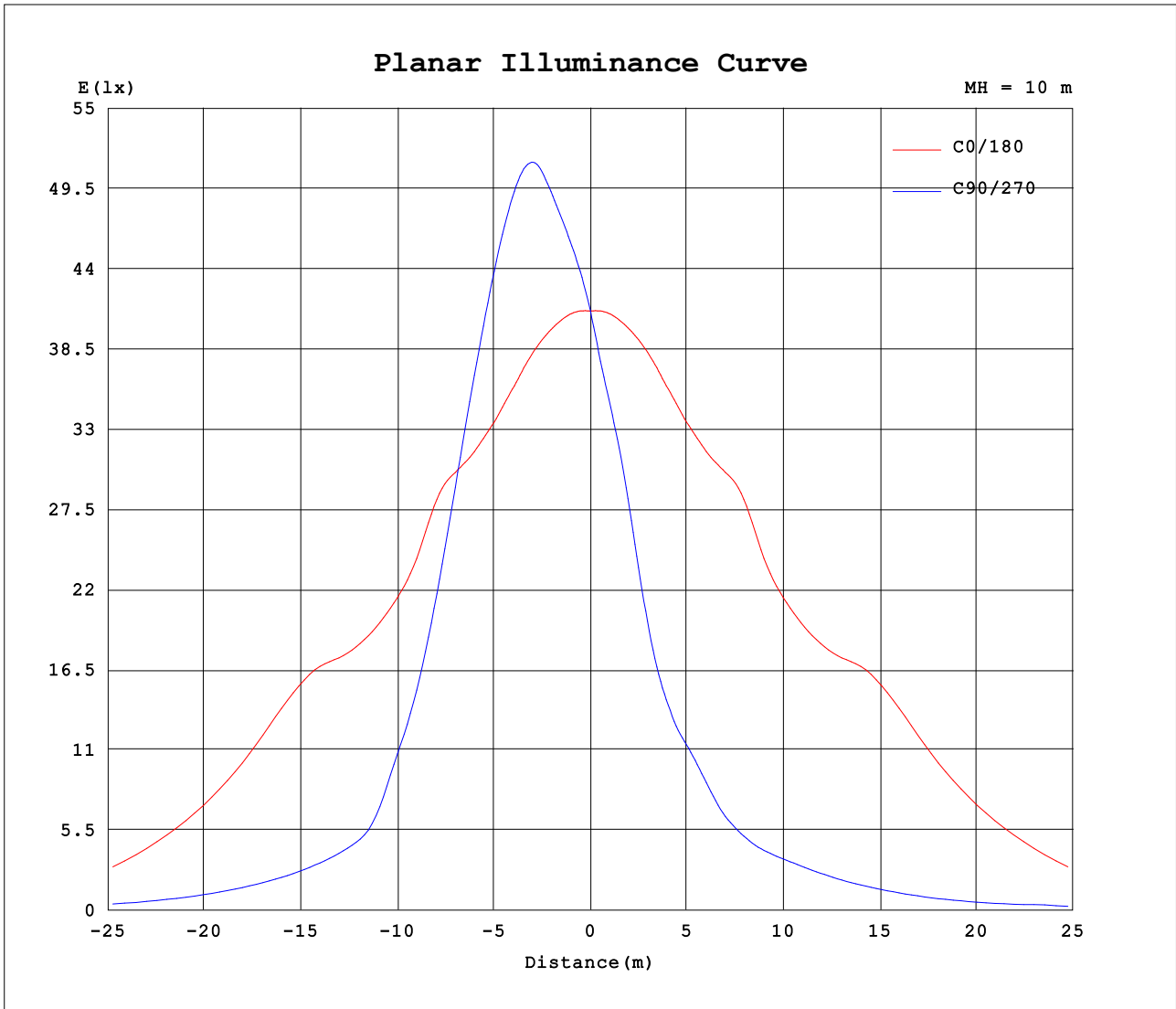
C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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: 2017-06-30

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:

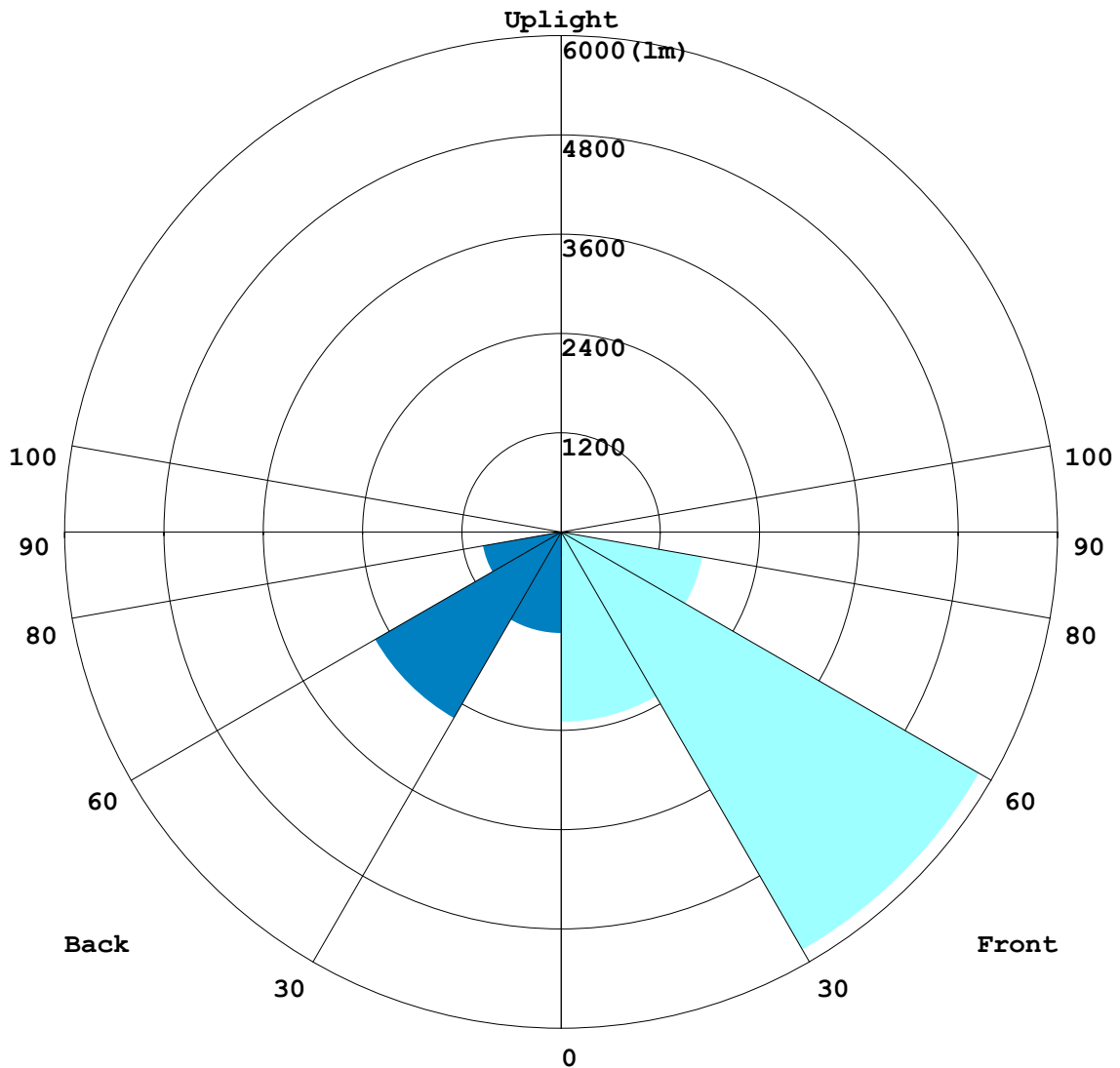
Checker:

Assessor:

LCS REPORT

Test:U:230.1V I:0.5380A P:120.1W PF:0.9704 Lamp Flux:14673.2x1 lm		
NAME: ST03-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra70 R17604	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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:

BUG REPORT

Test:U:230.1V I:0.5380A P:120.1W PF:0.9704 Lamp Flux:14673.2x1 lm		
NAME: ST03-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra70 R17604	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2292.7	15.6
FM - Front-Medium(30-60)	5831.4	39.7
FH - Front-High(60-80)	1731.1	11.8
FVH - Front-Very High(80-90)	20.665	0.1
Total Forward Light	9875.8	67.3

BL - Back-Low(0-30)	1222.6	8.3
BM - Back-Medium(30-60)	2596.7	17.7
BH - Back-High(60-80)	959.81	6.5
BVH - Back-Very High(80-90)	18.27	0.1
Total Back Light	4797.4	32.7

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	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4797.4	0	4797.4
Street Side	9875.8	0	9875.8

C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

γ Range: 0 - 90DEG
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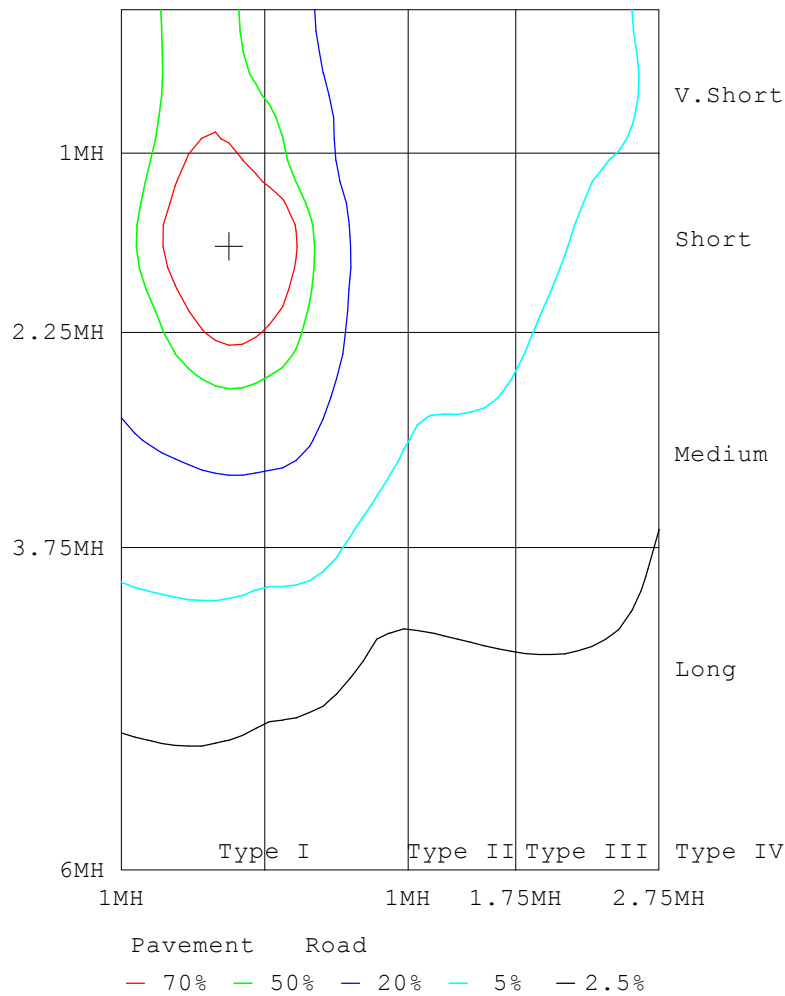
Checker:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.1V I:0.5380A P:120.1W PF:0.9704 Lamp Flux:14673.2x1 lm		
NAME: ST03-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra70 R17604	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 2.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-06-30

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:

