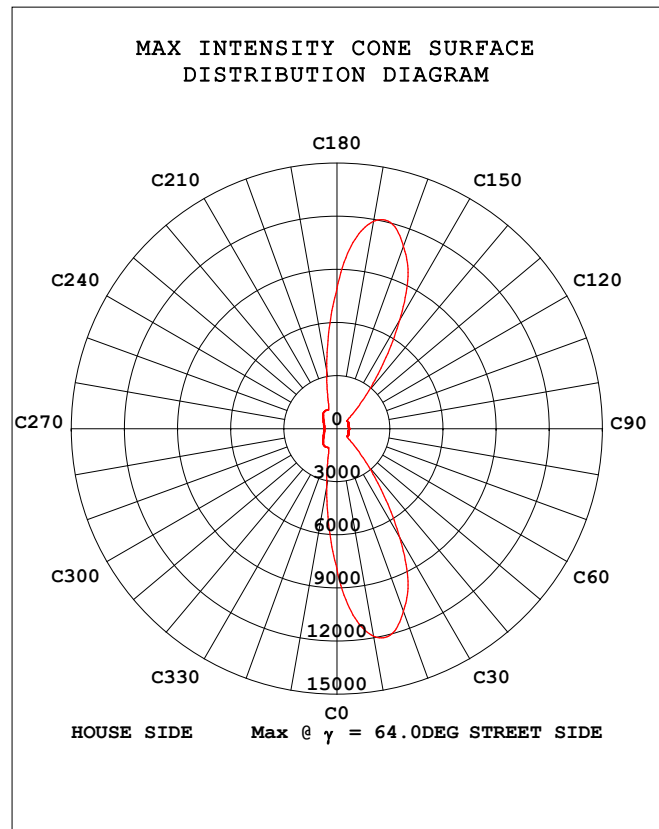
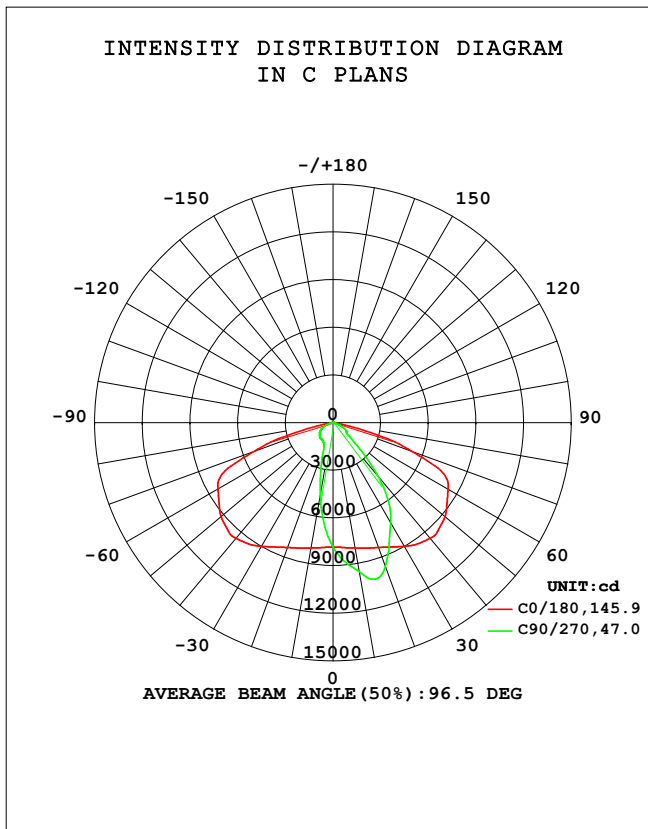


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.7839A P:174.3W PF:0.9669 Lamp Flux:20697.2x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17603	DIM.: 0.763*0.352*0.225	SERIAL No.:
MFR.:	SUR.:0.24*0.25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.74 lm/W			
MODEL	ST07-180	I _{max} (cd)	12092	η street_up (%)	0.0
NOMINAL POWER (W)	180	LOR (%)	100.0	η street_down (%)	73.2
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	20697	η house_up (%)	0.0
NOMINAL FLUX (lm)	20697.2	MAXIMUM @ (C, γ)	13,64.0	η house_down (%)	26.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	η down (%)	100.0	SLI	



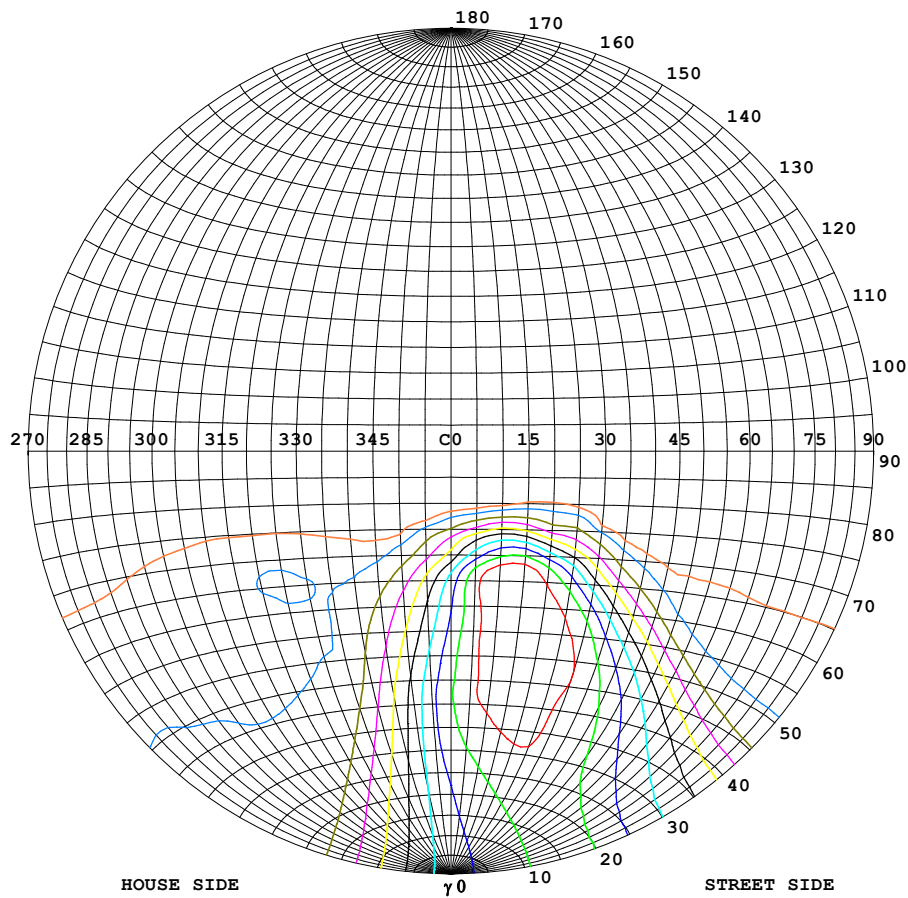
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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:Cut-off
CIE:Semi-cut-off
Max.At80:35.48cd/klm
Max.At90:0.8955cd/klm
Max.80-90:35.48cd/klm

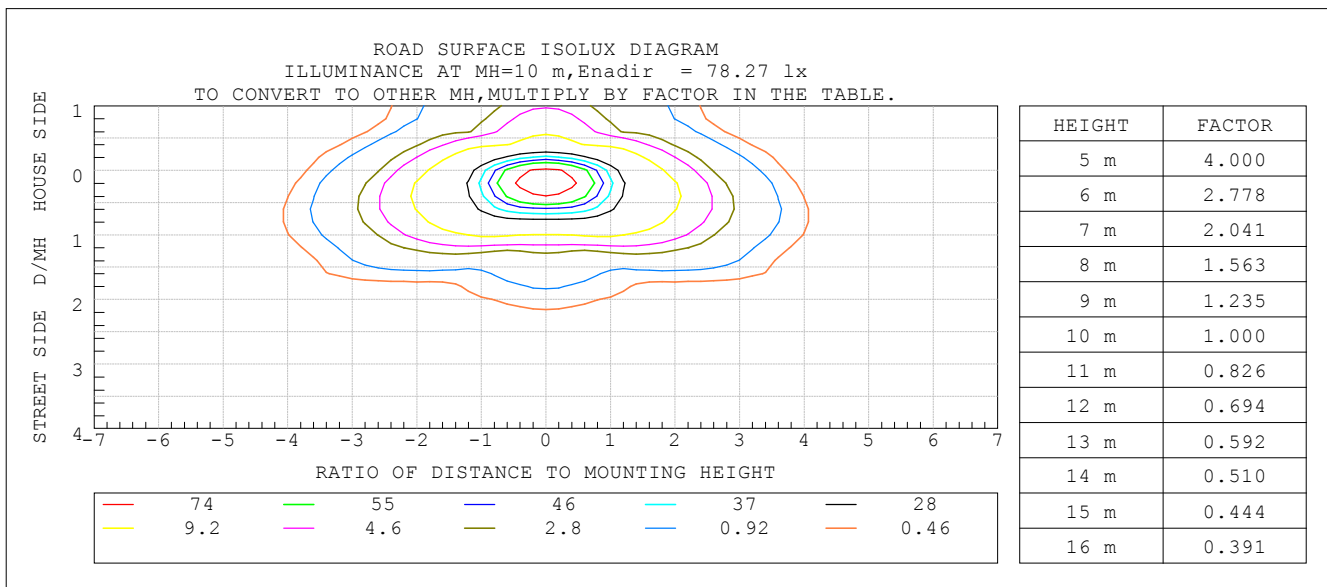
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12092
90%	10883
80%	9674
70%	8465
60%	7255
50%	6046
40%	4837
30%	3628
20%	2418
10%	1209
5%	605

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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: 2017-07-26

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	789.4	857.0	879.8	857.0	789.4	687.6	644.7	687.6	0- 5	186.1	186.1	0.90,0.90
10	801.5	919.4	952.1	919.4	801.5	568.2	467.3	568.2	5- 10	544.3	730.4	3.53,3.53
15	817.7	985.1	1020	985.1	817.7	442.4	297.3	442.4	10- 15	874.2	1605	7.75,7.75
20	836.7	1035	964.3	1035	836.7	323.5	168.1	323.5	15- 20	1164	2769	13.4,13.4
25	863.9	1018	838.4	1018	863.9	217.4	141.7	217.4	20- 25	1392	4161	20.1,20.1
30	899.0	979.2	727.1	979.2	899.0	151.6	132.5	151.6	25- 30	1586	5746	27.8,27.8
35	930.9	951.5	611.2	951.5	930.9	137.0	128.7	137.0	30- 35	1759	7505	36.3,36.3
40	950.7	899.1	445.0	899.1	950.7	125.4	127.9	125.4	35- 40	1891	9396	45.4,45.4
45	944.1	831.5	256.3	831.5	944.1	116.8	121.5	116.8	40- 45	1940	11335	54.8,54.8
50	921.2	708.3	132.2	708.3	921.2	110.1	112.0	110.1	45- 50	1887	13222	63.9,63.9
55	876.9	507.6	102.1	507.6	876.9	103.7	103.1	103.7	50- 55	1794	15016	72.6,72.6
60	836.6	286.1	90.86	286.1	836.6	105.3	88.29	105.3	55- 60	1695	16711	80.7,80.7
65	771.6	125.1	61.16	125.1	771.6	115.1	69.35	115.1	60- 65	1564	18275	88.3,88.3
70	526.5	55.31	37.12	55.31	526.5	101.9	44.88	101.9	65- 70	1298	19573	94.6,94.6
75	247.9	33.24	10.12	33.24	247.9	56.58	18.57	56.58	70- 75	795.1	20368	98.4,98.4
80	21.04	13.83	2.436	13.83	21.04	20.39	0.6887	20.39	75- 80	276.9	20645	99.7,99.7
85	3.476	2.700	0.9831	2.700	3.476	2.581	0.2410	2.581	80- 85	44.86	20690	100,100
90	1.496	0.4847	0.3089	0.4847	1.496	1.007	0.2811	1.007	85- 90	7.574	20697	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		

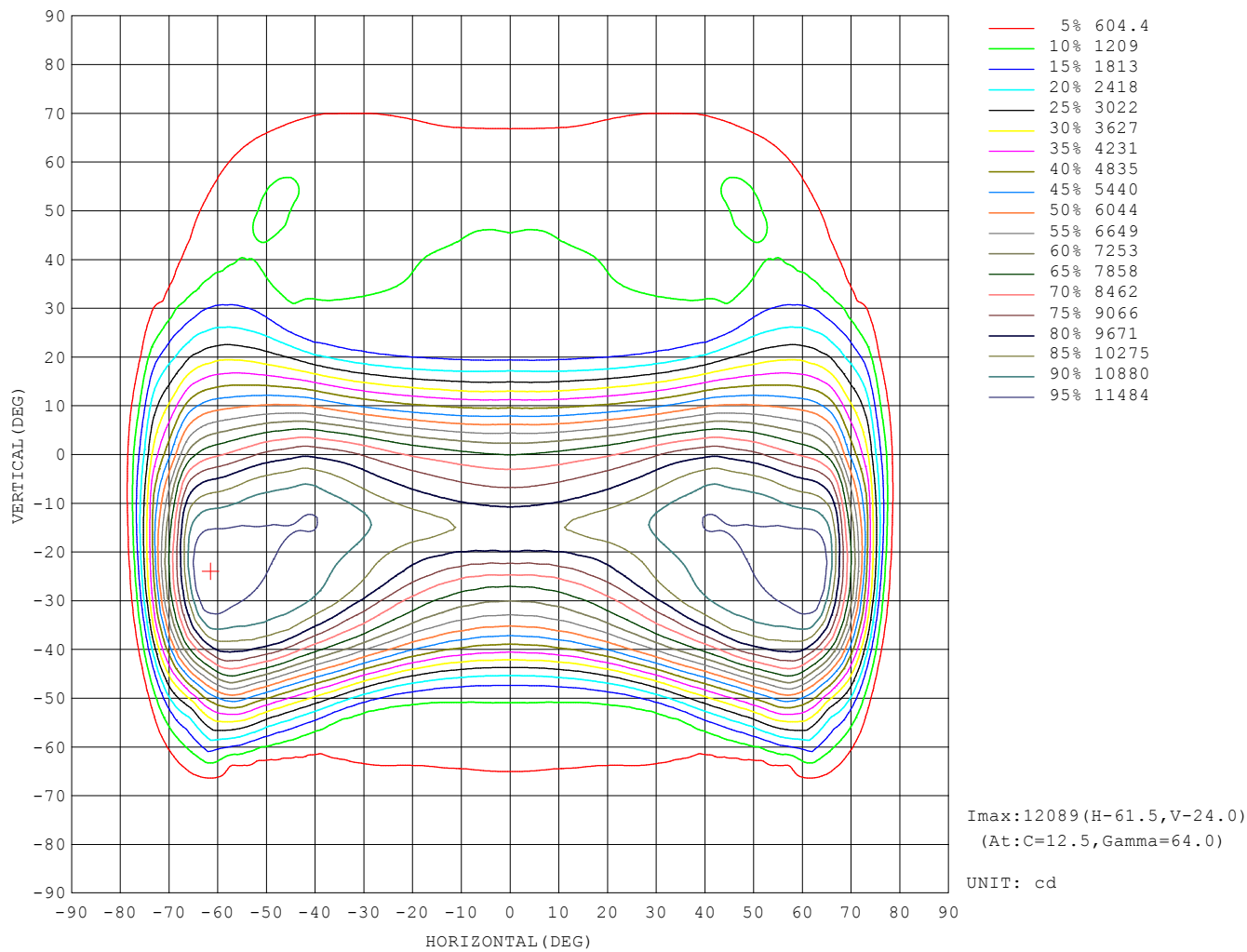
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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



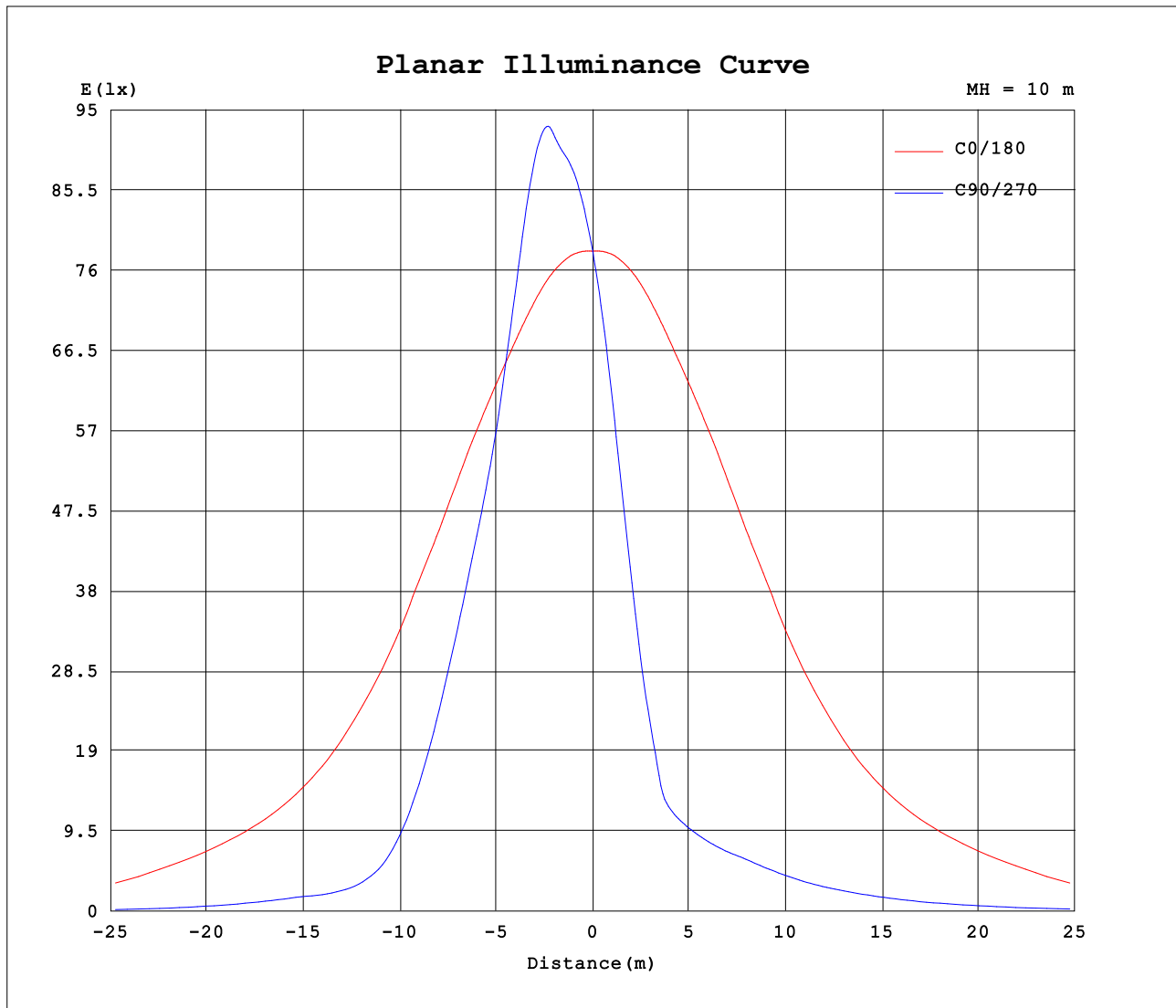
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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: 2017-07-26

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:

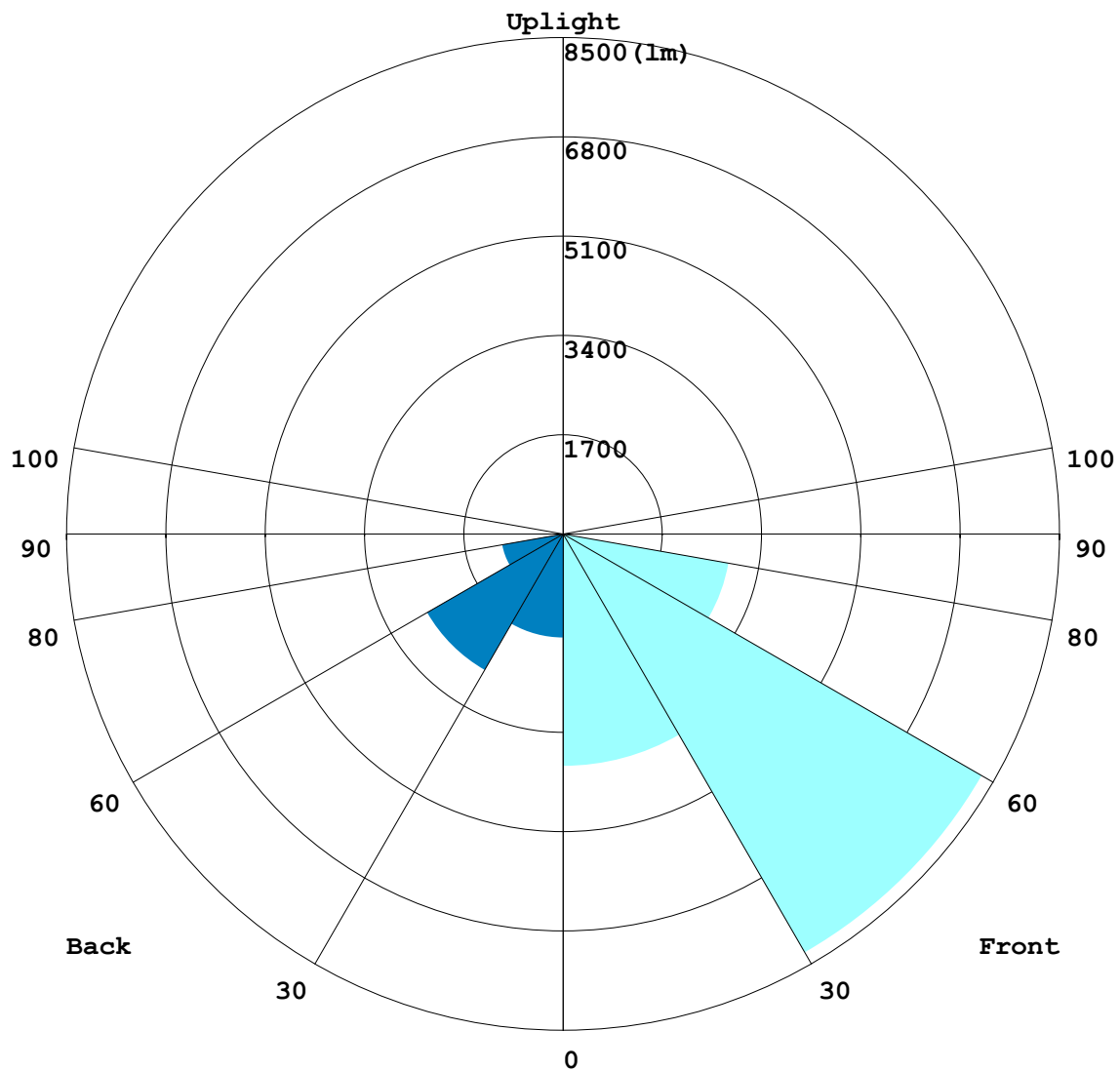
Checker:

Assessor:

LCS REPORT

Test:U:230.0V I:0.7839A P:174.3W PF:0.9669 Lamp Flux:20697.2x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17603	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:2017-07-26

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:230.0V I:0.7839A P:174.3W PF:0.9669 Lamp Flux:20697.2x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17603	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)	3973.6	19.2
FM - Front-Medium(30-60)	8277.3	40.0
FH - Front-High(60-80)	2876.8	13.9
FVH - Front-Very High(80-90)	29.185	0.1
Total Forward Light	15157	73.2

BL - Back-Low(0-30)	1772.7	8.6
BM - Back-Medium(30-60)	2687.2	13.0
BH - Back-High(60-80)	1057.1	5.1
BVH - Back-Very High(80-90)	23.245	0.1
Total Back Light	5540.2	26.8

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5540.2	0	5540.2
Street Side	15157	0	15157

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

Checker:

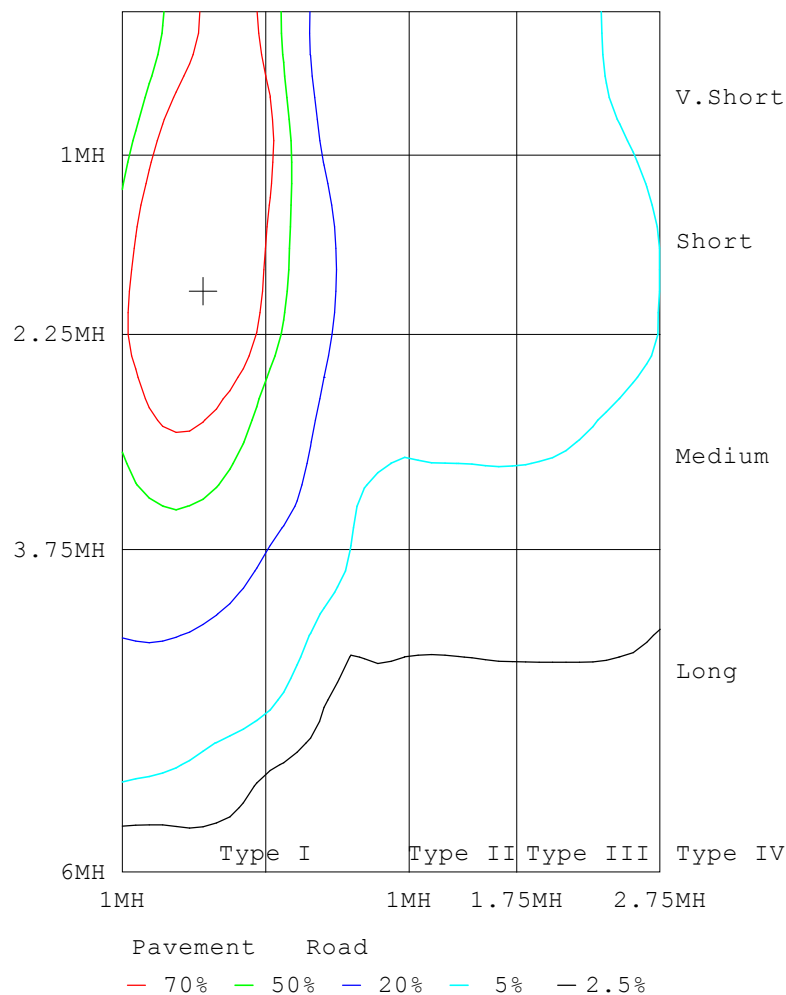
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.0V I:0.7839A P:174.3W PF:0.9669 Lamp Flux:20697.2x1 lm		
NAME: ST07-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra70 R17603	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:2017-07-26

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:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor:

Assessor: