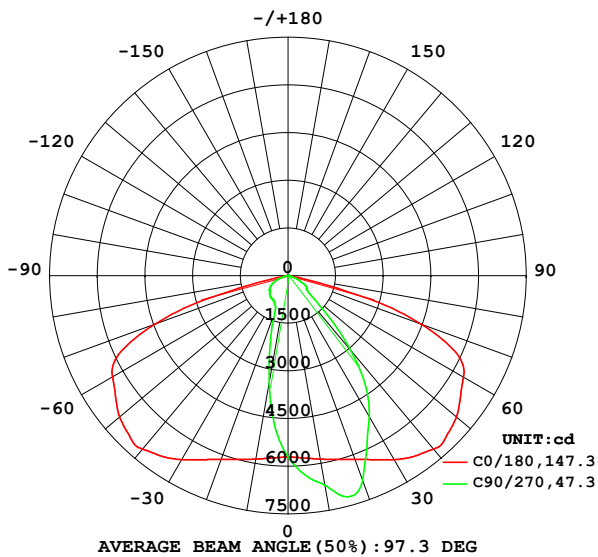
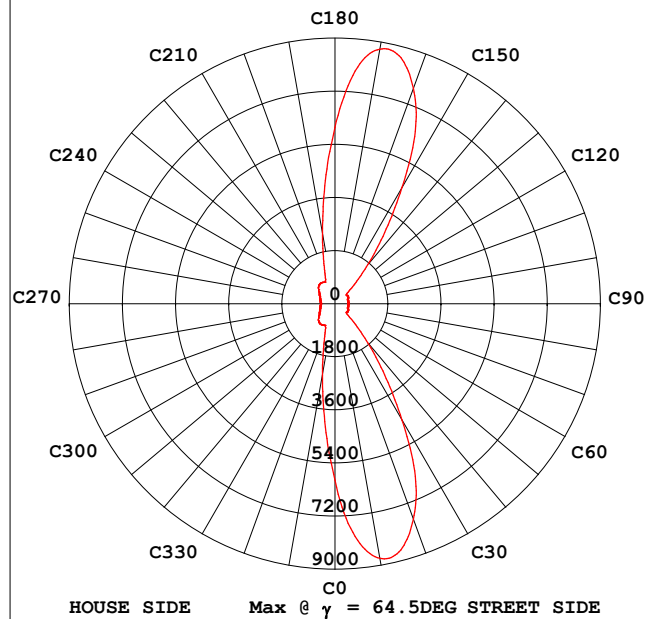


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.5290A P:118.0W PF:0.9693 Lamp Flux:15024.8x1 lm		
NAME: ST07-120	TYPE:120W	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: 127.35 lm/W			
MODEL	ST07-120	I _{max} (cd)	8761	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	73.4
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	15025	η house_up (%)	0.0
NOMINAL FLUX (lm)	15024.8	MAXIMUM @ (C, γ)	10,64.5	η house_down (%)	26.6
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

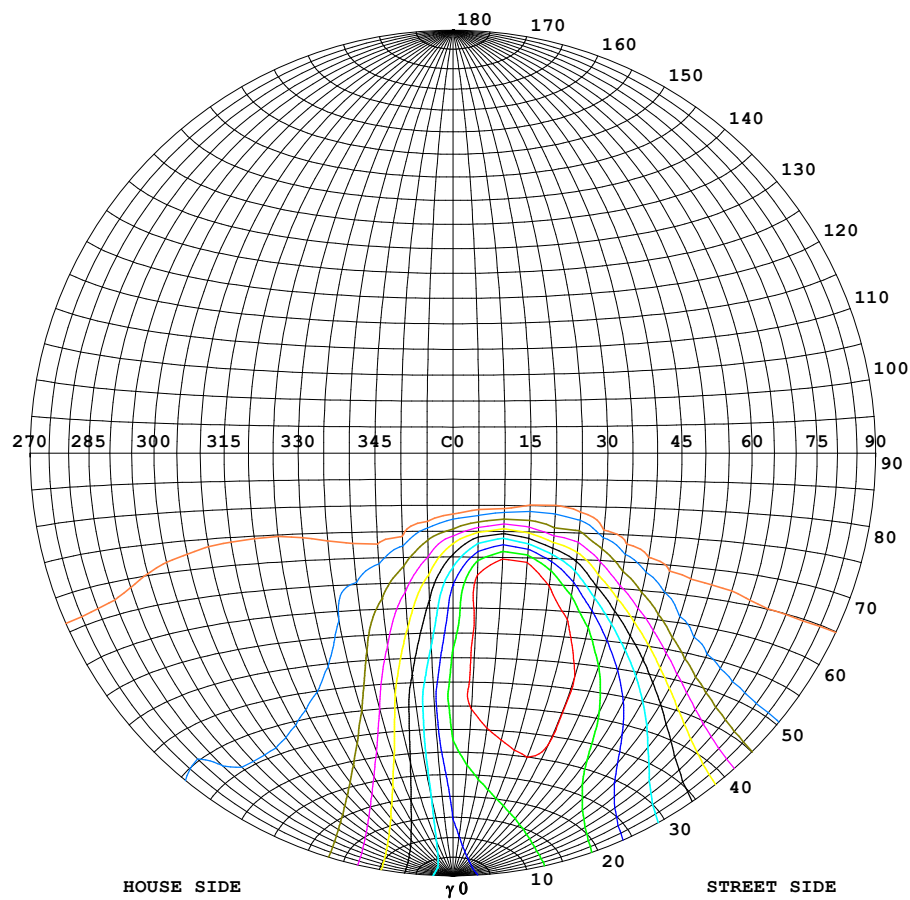
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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.At80:31.24cd/klm
Max.At90:0.9006cd/klm
Max.80-90:31.24cd/klm

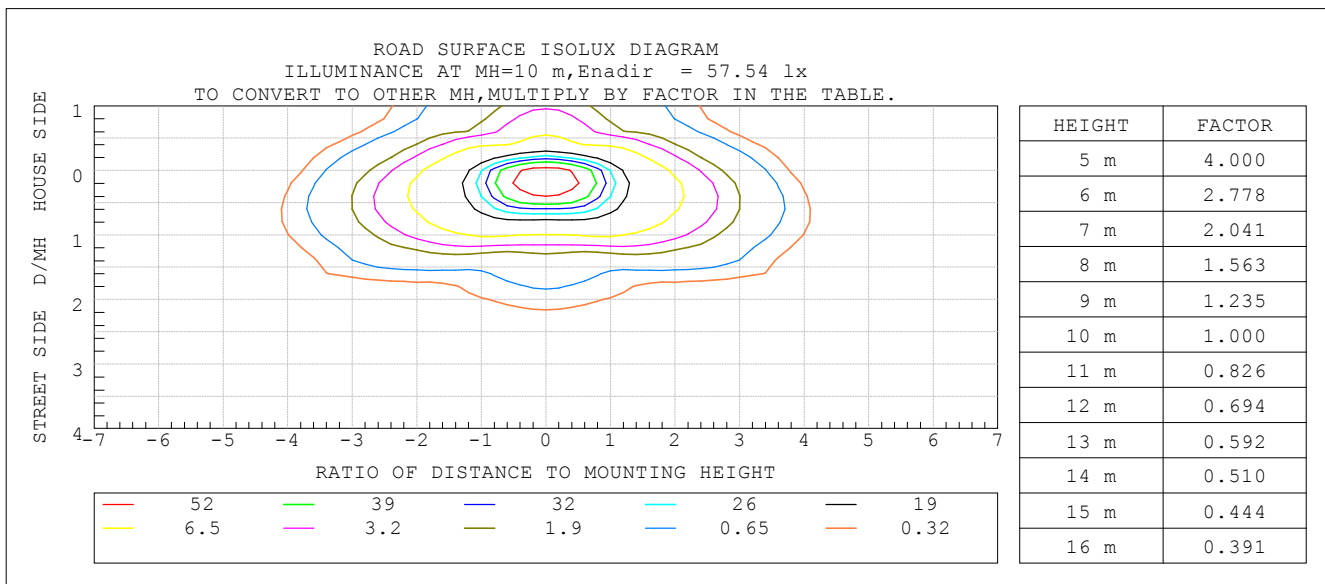
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8761
90%	7885
80%	7009
70%	6133
60%	5256
50%	4380
40%	3504
30%	2628
20%	1752
10%	876
5%	438

C Range: 0 - 360DEG
C Interval: 5.0DEG
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: 5.0DEG
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	5763	6168	6299	6168	5763	5064	4765	5064	0- 5	135.6	135.6	0.90,0.90
10	5861	6546	6696	6546	5861	4199	3433	4199	5- 10	395.4	530.9	3.53,3.53
15	5993	6929	7204	6929	5993	3234	2162	3234	10- 15	630.4	1161	7.73,7.73
20	6156	7354	6859	7354	6156	2349	1212	2349	15- 20	840.5	2002	13.3,13.3
25	6391	7326	5885	7326	6391	1565	990.2	1565	20- 25	1006	3008	20,20
30	6685	7011	5119	7011	6685	1067	917.7	1067	25- 30	1147	4155	27.7,27.7
35	6935	6750	4271	6750	6935	960.4	886.8	960.4	30- 35	1276	5431	36.1,36.1
40	7124	6439	3079	6439	7124	879.5	867.5	879.5	35- 40	1373	6804	45.3,45.3
45	7086	5944	1765	5944	7086	811.0	823.0	811.0	40- 45	1409	8213	54.7,54.7
50	6919	5016	913.8	5016	6919	757.1	762.6	757.1	45- 50	1371	9584	63.8,63.8
55	6627	3535	713.7	3535	6627	708.1	710.0	708.1	50- 55	1304	10888	72.5,72.5
60	6381	1980	645.2	1980	6381	727.0	611.1	727.0	55- 60	1231	12119	80.7,80.7
65	5888	872.1	432.8	872.1	5888	802.1	481.4	802.1	60- 65	1134	13253	88.2,88.2
70	4447	389.3	258.1	389.3	4447	704.5	307.7	704.5	65- 70	948.8	14202	94.5,94.5
75	1907	238.6	58.29	238.6	1907	401.2	123.5	401.2	70- 75	594.2	14796	98.5,98.5
80	142.4	97.98	12.89	97.98	142.4	149.8	3.828	149.8	75- 80	195.3	14992	99.8,99.8
85	17.37	15.57	6.213	15.57	17.37	15.82	1.725	15.82	80- 85	28.42	15020	100,100
90	11.14	3.549	2.339	3.549	11.14	6.916	2.000	6.916	85- 90	4.830	15025	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		

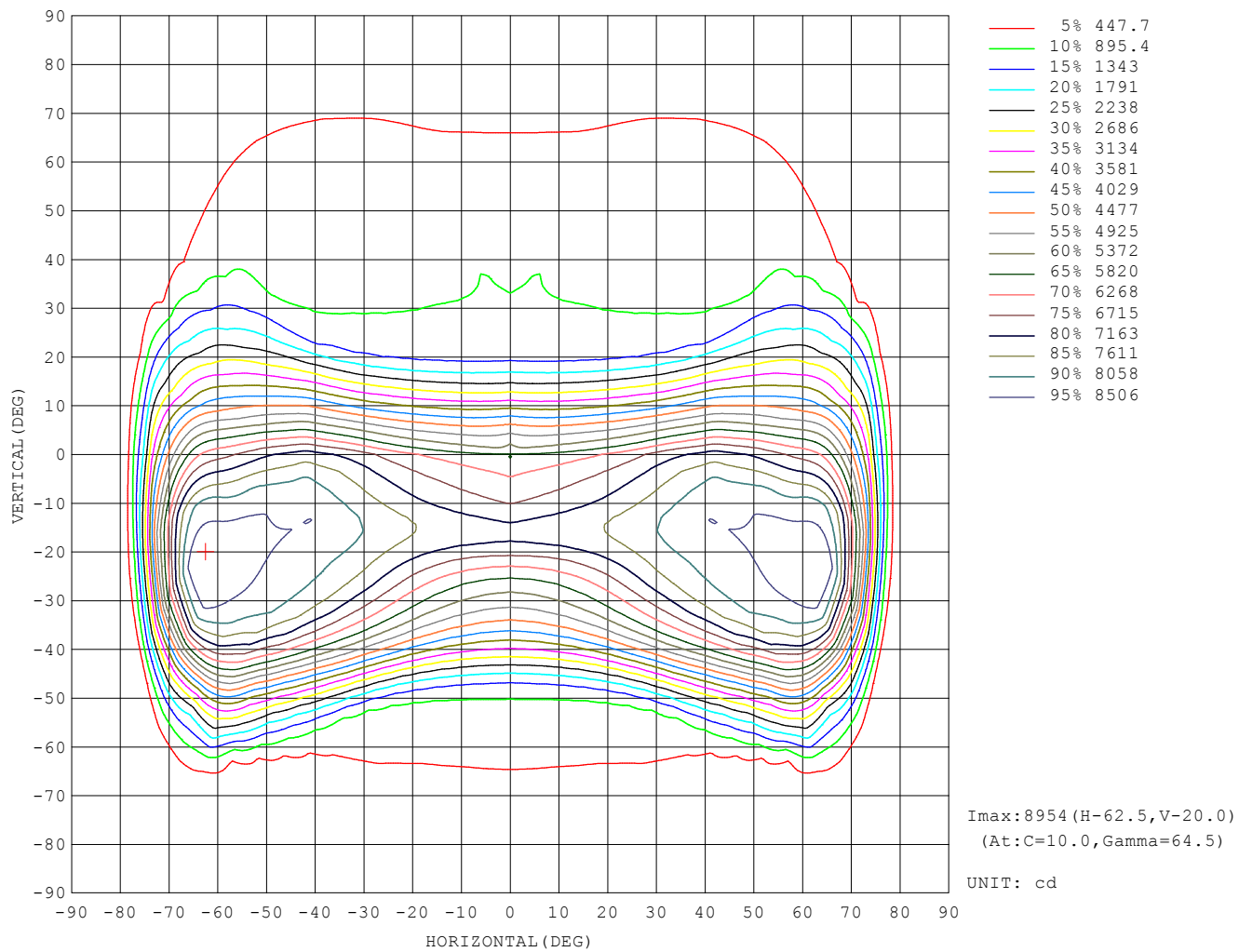
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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:

ISOCANDELA DIAGRAM



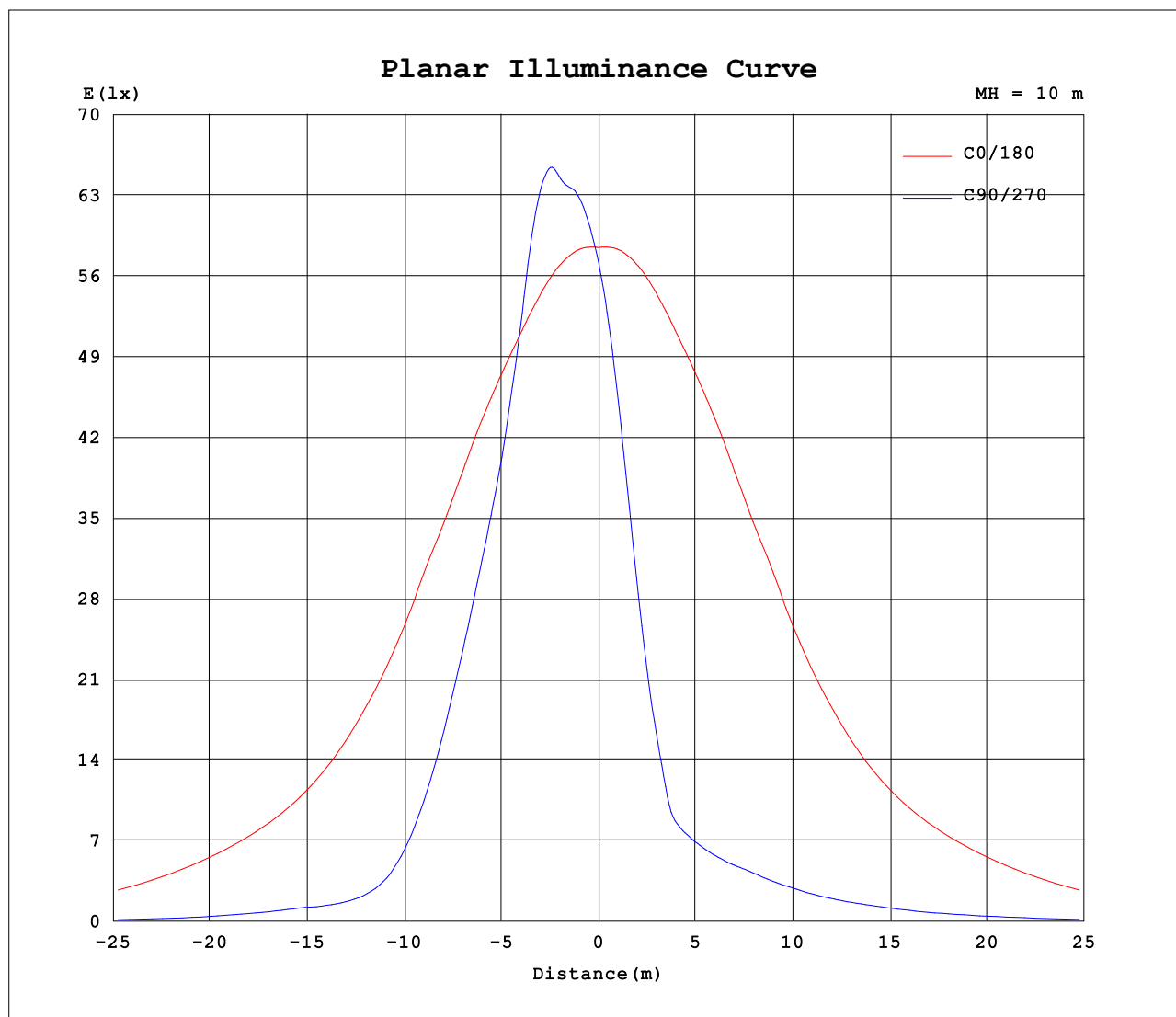
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

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: 5.0DEG
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:

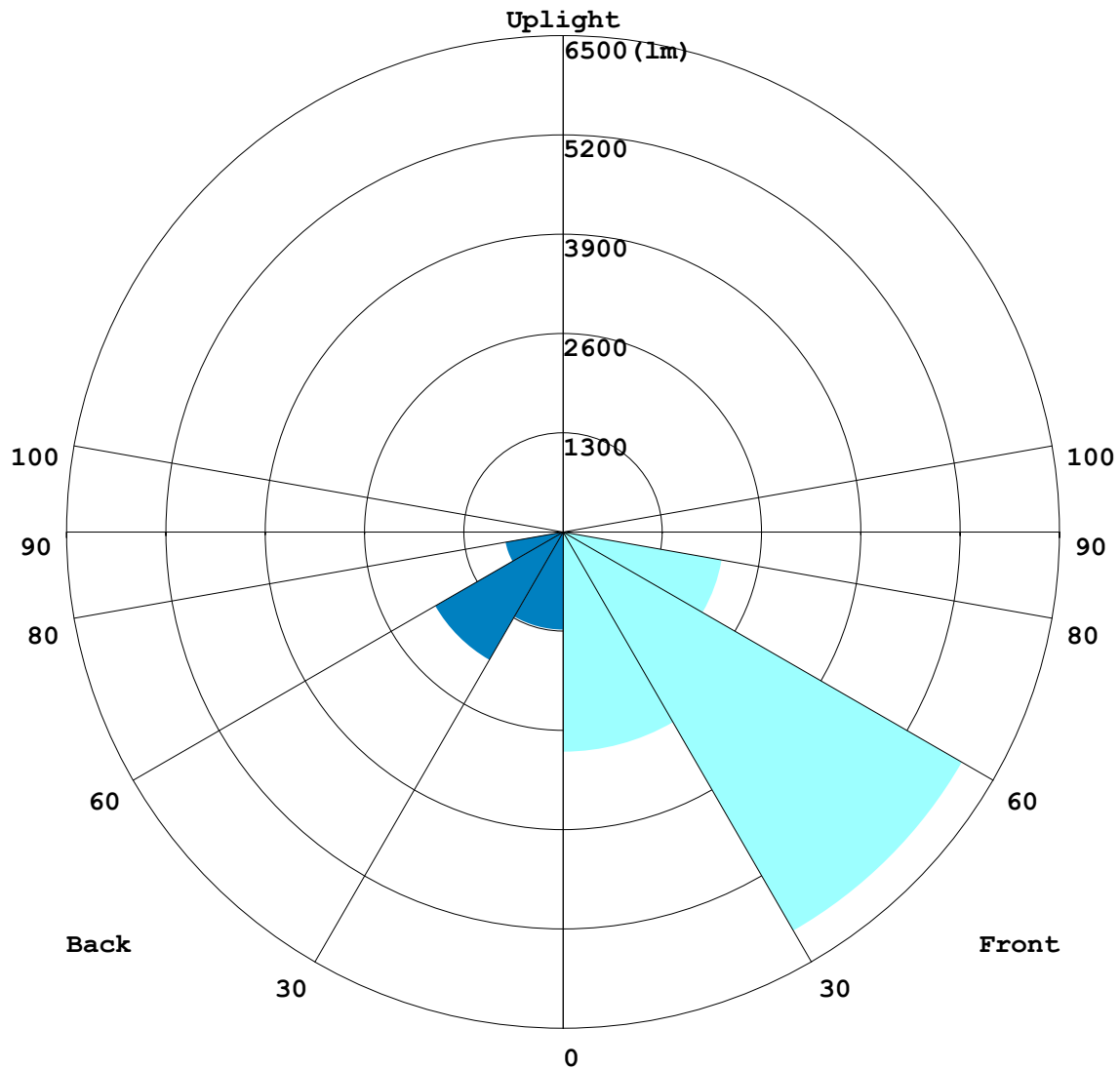
Checker:

Assessor:

LCS REPORT

Test:U:230.1V I:0.5290A P:118.0W PF:0.9693 Lamp Flux:15024.8x1 lm		
NAME: ST07-120	TYPE:120W	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: 5.0DEG
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:230.1V I:0.5290A P:118.0W PF:0.9693 Lamp Flux:15024.8x1 lm		
NAME: ST07-120	TYPE:120W	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)	2876.1	19.1
FM - Front-Medium(30-60)	6030	40.1
FH - Front-High(60-80)	2109.2	14.0
FVH - Front-Very High(80-90)	18.484	0.1
Total Forward Light	11034	73.4

BL - Back-Low(0-30)	1278.7	8.5
BM - Back-Medium(30-60)	1934.6	12.9
BH - Back-High(60-80)	762.86	5.1
BVH - Back-Very High(80-90)	14.766	0.1
Total Back Light	3990.9	26.6

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	3990.9	0	3990.9
Street Side	11034	0	11034

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-07-26

Checker:

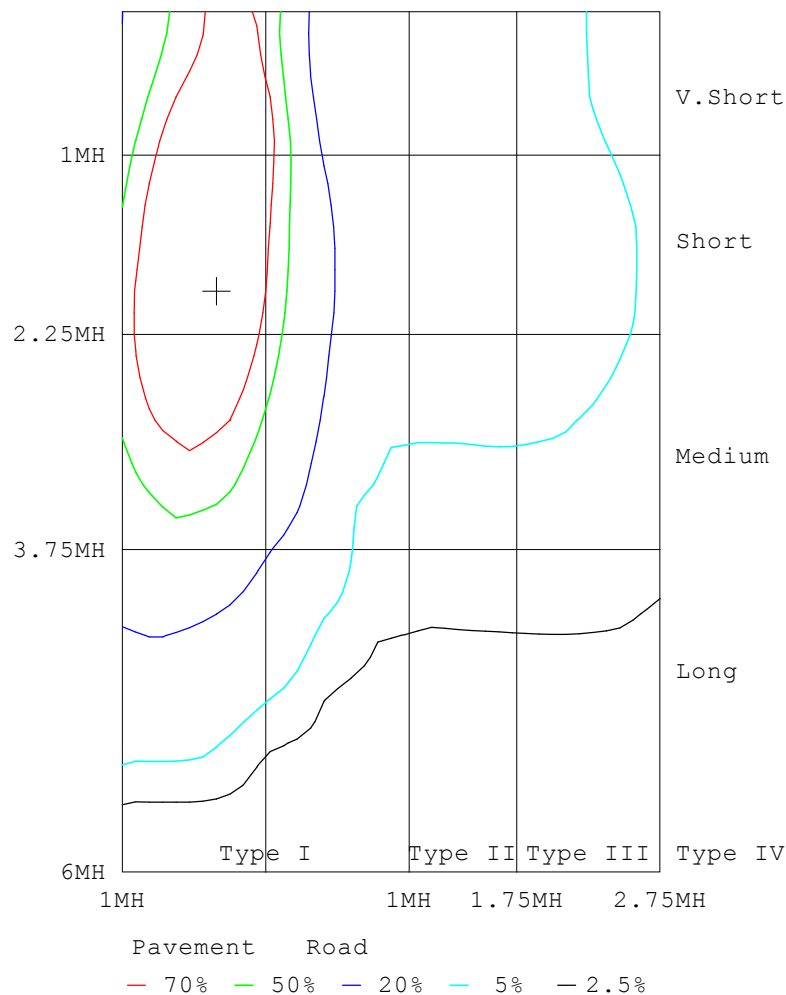
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:230.1V I:0.5290A P:118.0W PF:0.9693 Lamp Flux:15024.8x1 lm		
NAME: ST03-120	TYPE:120W	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: 5.0DEG
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:

Assessor:

Assessor:

Assessor:

Assessor: