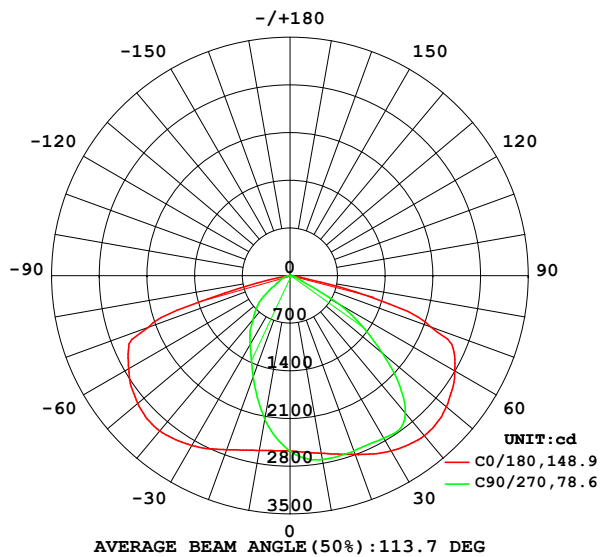
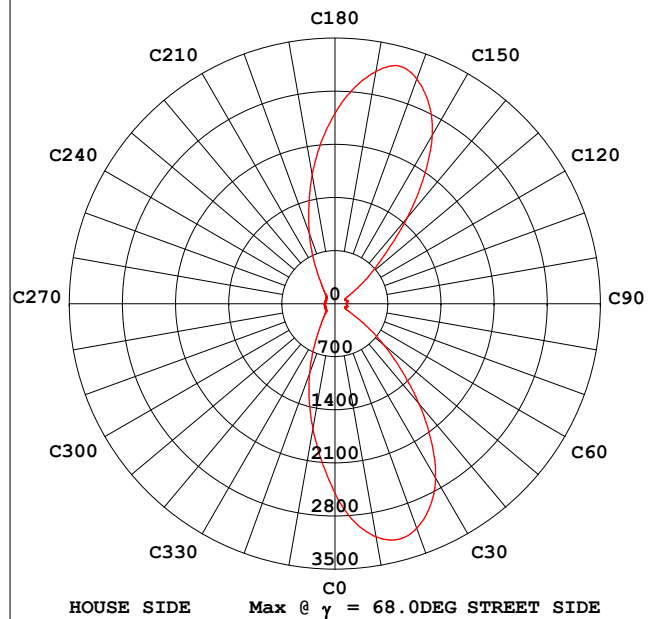


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.3186A P:70.12W PF:0.9574 Lamp Flux:8359.91x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09603	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.23 lm/W			
MODEL	ST09-070	Imax(cd)	3246	η street_up(%)	0.0
NOMINAL POWER(W)	70	LOR(%)	100.0	η street_down(%)	63.9
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	8360	η house_up(%)	0.0
NOMINAL FLUX(lm)	8359.91	MAXIMUM @ (C, γ)	165,68.0	η house_down(%)	36.1
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

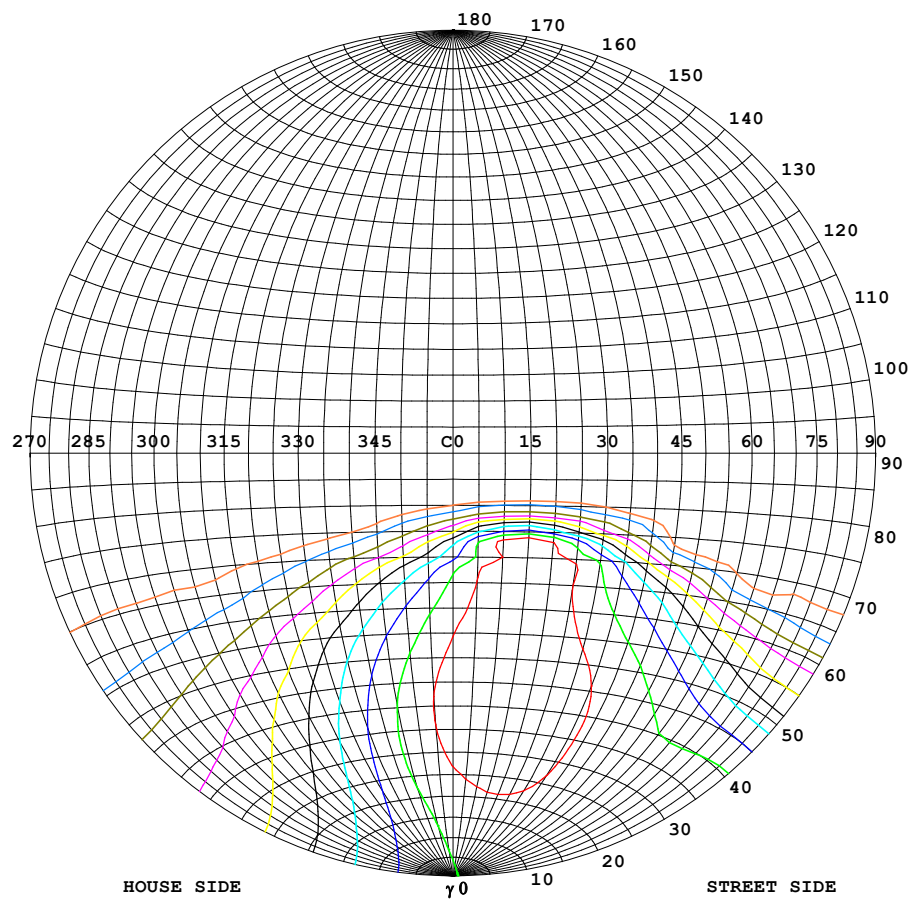
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Checker:
Note: SLI:Specific Luminaire Index

Assessor:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

IES:Type II - Medium
CIE:Average - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:43.29cd/klm
Max.At90:0cd/klm
Max.80-90:43.29cd/klm

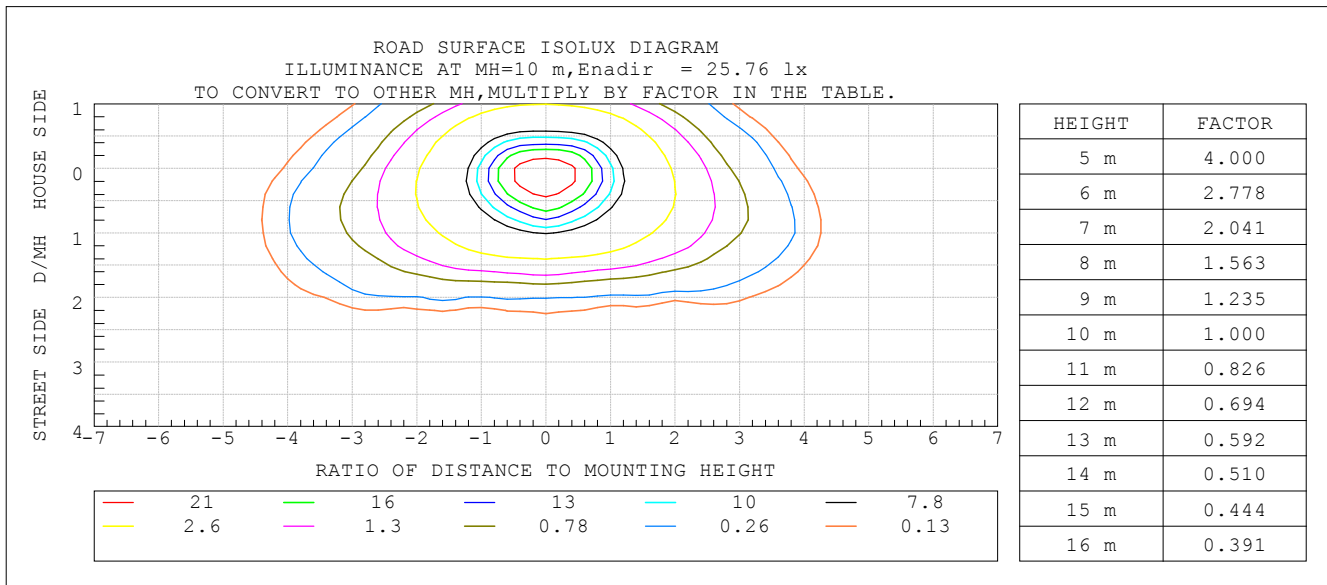
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3246
90%	2921
80%	2596
70%	2272
60%	1947
50%	1623
40%	1298
30%	974
20%	649
10%	325
5%	162

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-12-06

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [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: 2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [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
10	2649	2766	2742	2734	2606	2315	2143	2321	0- 10	243.9	243.9	2.92,2.92
20	2795	2836	2740	2782	2720	2012	1585	2012	10- 20	703.0	946.9	11.3,11.3
30	2971	2824	2756	2788	2881	1723	1174	1735	20- 30	1107	2054	24.6,24.6
40	3069	2801	2635	2772	2976	1434	848.1	1469	30- 40	1451	3505	41.9,41.9
50	2997	2637	1770	2593	2920	1063	567.7	1092	40- 50	1637	5143	61.5,61.5
60	2792	2175	807.4	2089	2735	579.3	217.7	572.0	50- 60	1551	6694	80.1,80.1
70	2190	770.8	123.8	484.0	2213	141.0	125.7	152.7	60- 70	1172	7866	94.1,94.1
80	159.4	31.80	5.134	28.11	71.04	31.35	1.908	38.30	70- 80	479.3	8346	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	14.36	8360	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

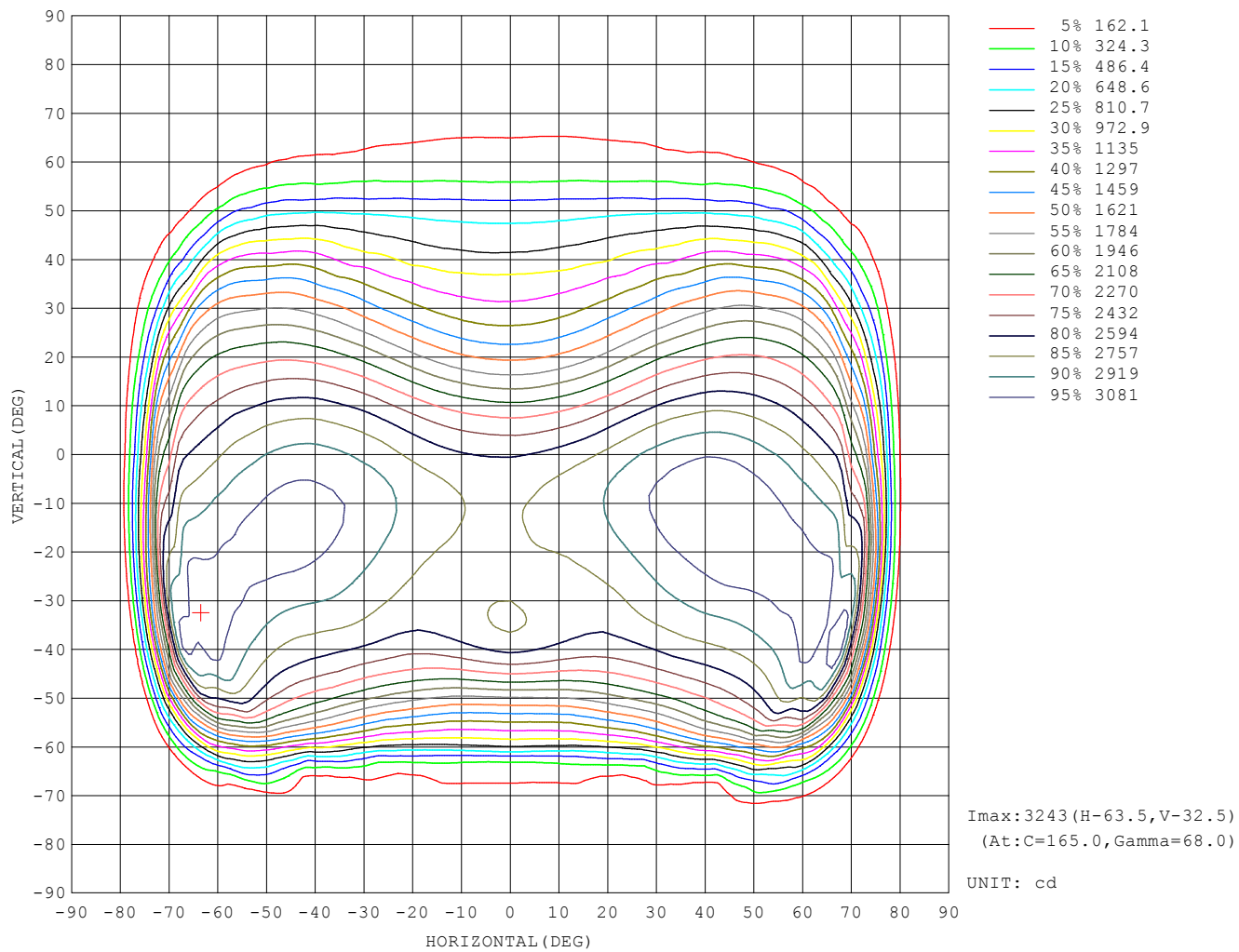
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-12-06

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Assessor:

ISOCANDELA DIAGRAM



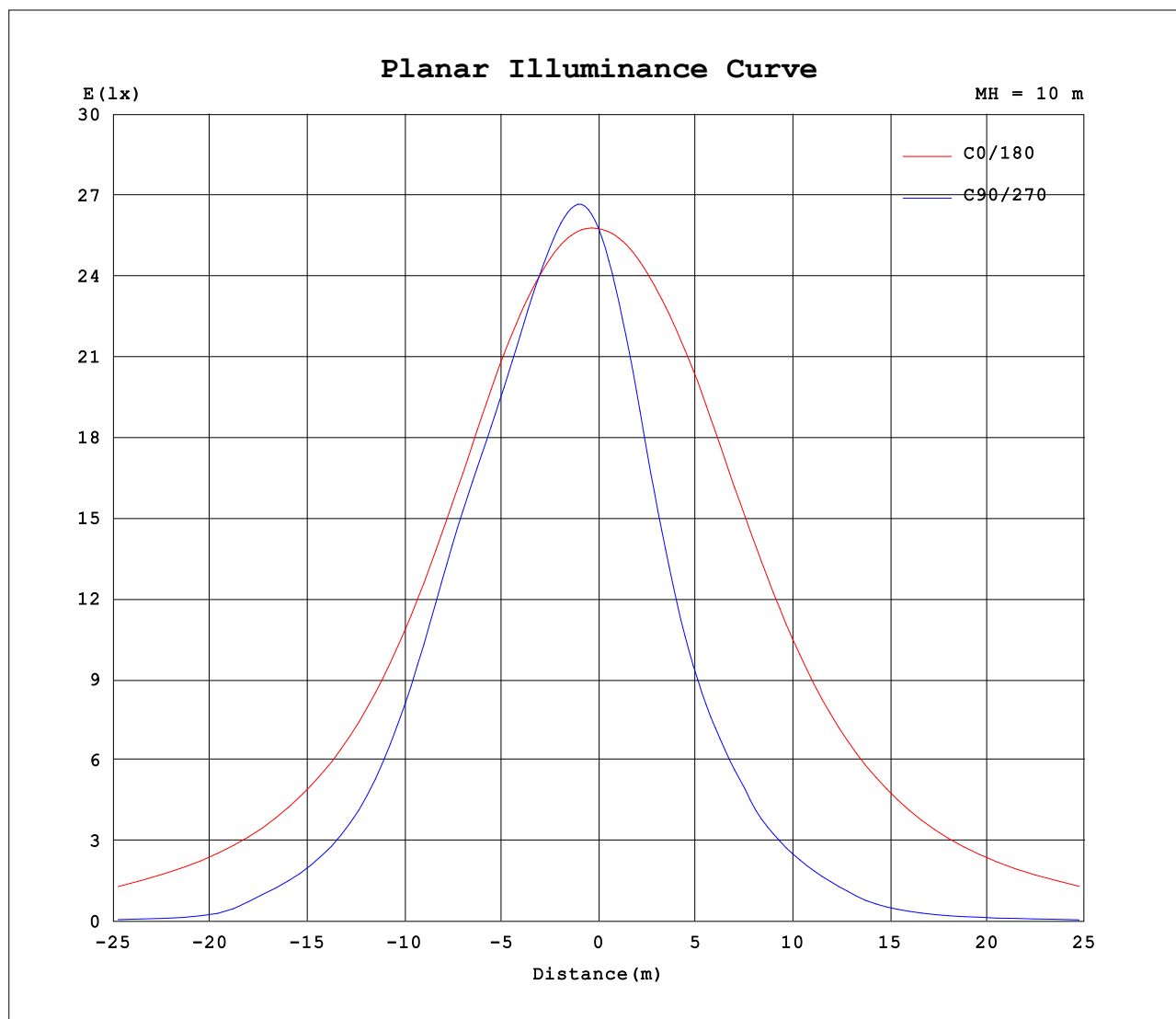
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [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: 2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.470m [K=1.0000]
Remarks:

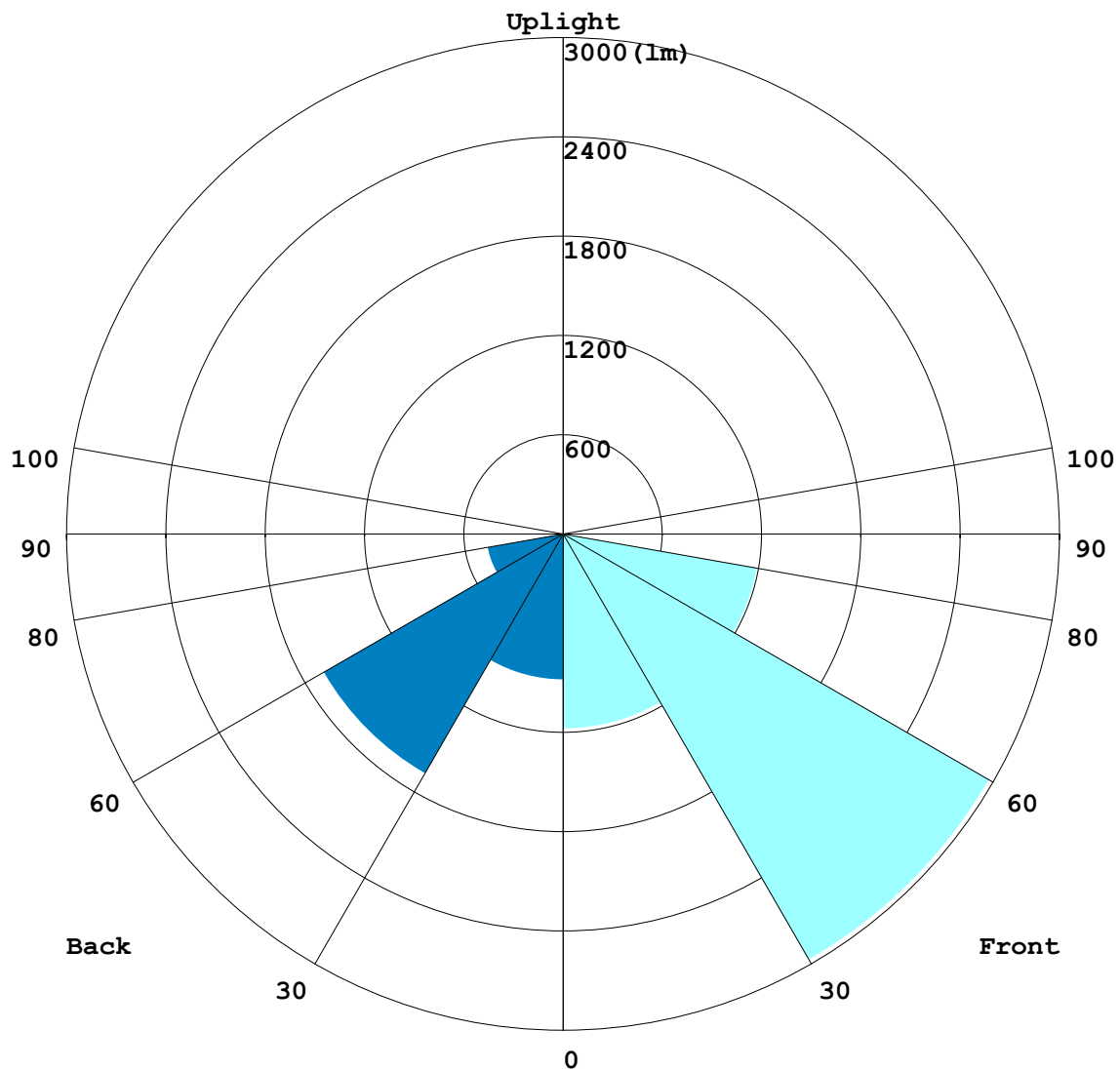
Checker:

Assessor:

LCS REPORT

Test:U:229.9V I:0.3186A P:70.12W PF:0.9574 Lamp Flux:8359.91x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09603	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-12-06

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

BUG REPORT

Test:U:229.9V I:0.3186A P:70.12W PF:0.9574 Lamp Flux:8359.91x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09603	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1175.7	14.1
FM - Front-Medium(30-60)	2970.4	35.5
FH - Front-High(60-80)	1188.9	14.2
FVH - Front-Very High(80-90)	8.9431	0.1
Total Forward Light	5343.9	63.9

BL - Back-Low(0-30)	878.36	10.5
BM - Back-Medium(30-60)	1669.5	20.0
BH - Back-High(60-80)	462.68	5.5
BVH - Back-Very High(80-90)	5.4166	0.1
Total Back Light	3016	36.1

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	B2-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3016	0	3016
Street Side	5343.9	0	5343.9

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2016-12-06

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

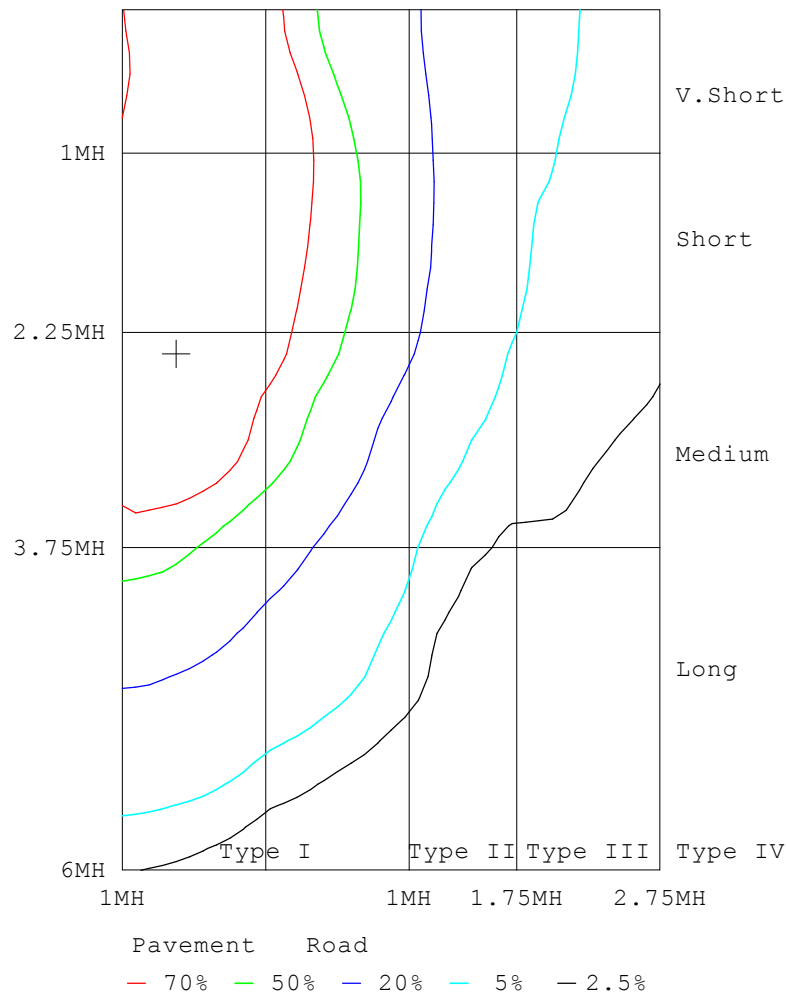
Checker:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:229.9V I:0.3186A P:70.12W PF:0.9574 Lamp Flux:8359.91x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70 R09603	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2016-12-06

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.470m [K=1.0000]
 Remarks:

Checker:

Assessor:

Assessor:

Assessor:

Assessor:

UNIT: cd

Assessor: