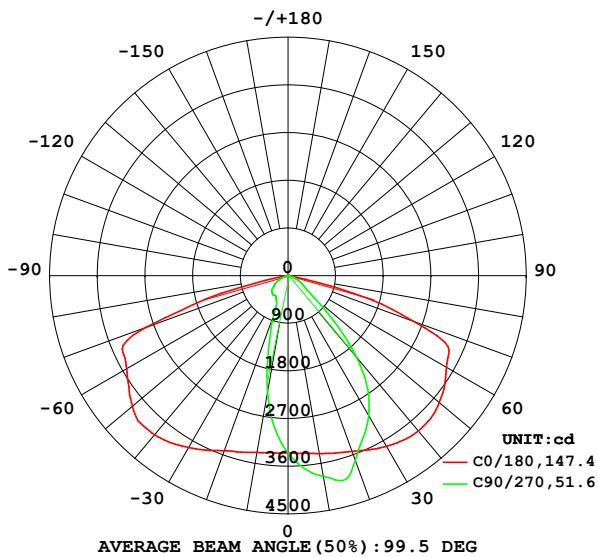
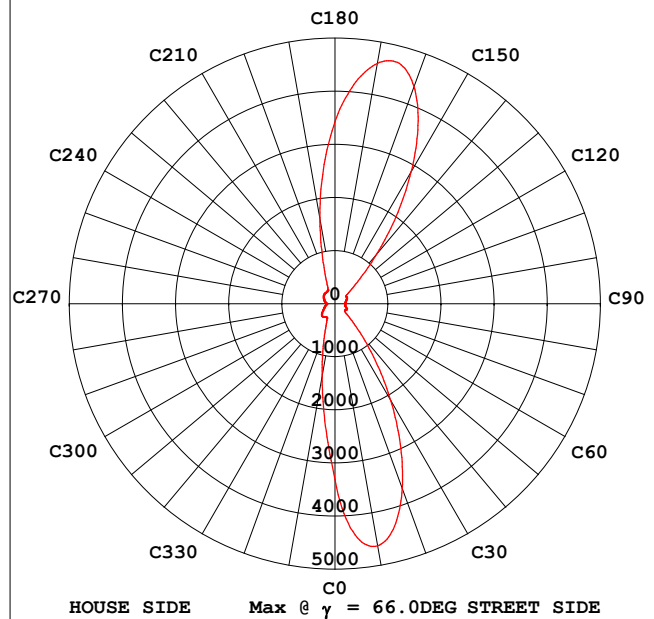


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.3147A P:68.07W PF:0.9830 Lamp Flux:8548.88x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70	DIM.: 0.533*0.283*0.115	SERIAL No.:
MFR.:	SUR.:0.18*0.18	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.58 lm/W			
MODEL	ST09-070	Imax (cd)	4685	η street_up (%)	0.0
NOMINAL POWER (W)	70	LOR (%)	100.0	η street_down (%)	71.6
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	8549	η house_up (%)	0.0
NOMINAL FLUX (lm)	8548.88	MAXIMUM @ (C, γ)	165,66.0	η house_down (%)	28.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

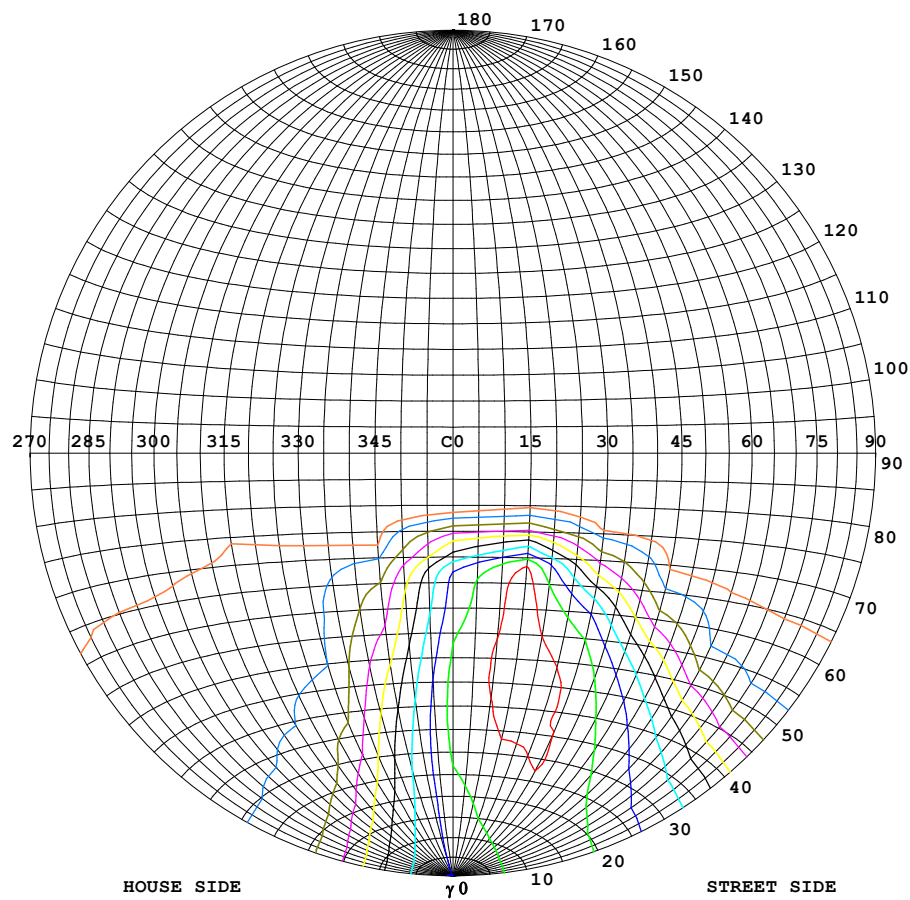
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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.At80:58.84cd/klm
Max.At90:0cd/klm
Max.80-90:58.84cd/klm

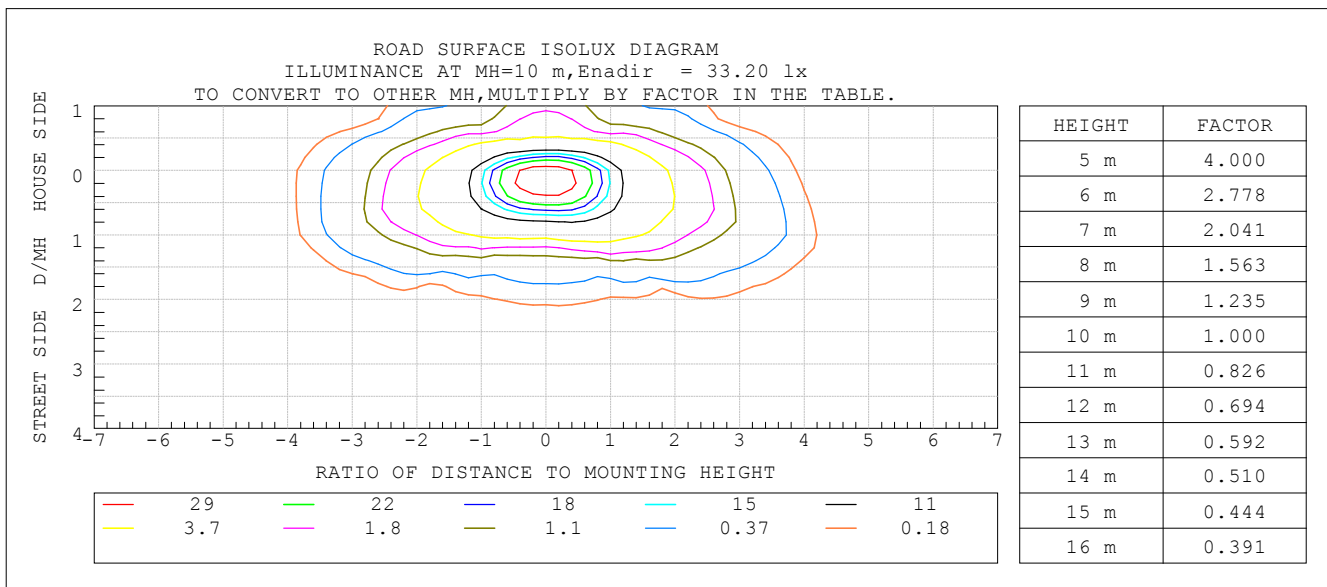
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4685
90%	4217
80%	3748
70%	3280
60%	2811
50%	2343
40%	1874
30%	1406
20%	937
10%	469
5%	234

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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
10	3411	3740	3846	3789	3390	2667	2242	2659	0- 10	313.6	313.6	3.67,3.67
20	3532	4051	3712	4166	3519	1614	804.0	1576	10- 20	861.8	1175	13.7,13.7
30	3723	3821	3045	4079	3748	671.2	461.6	658.6	20- 30	1237	2413	28.2,28.2
40	3828	3468	2017	3848	3924	442.3	458.2	464.4	30- 40	1510	3923	45.9,45.9
50	3727	2718	632.0	3264	3836	370.8	387.9	386.9	40- 50	1585	5508	64.4,64.4
60	3455	1172	309.4	1624	3522	318.7	264.3	325.4	50- 60	1426	6933	81.1,81.1
70	2501	212.3	119.6	278.8	2863	265.2	108.5	280.0	60- 70	1149	8082	94.5,94.5
80	83.82	36.48	2.787	52.64	141.4	92.12	0.9921	73.72	70- 80	448.1	8530	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	18.22	8549	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		

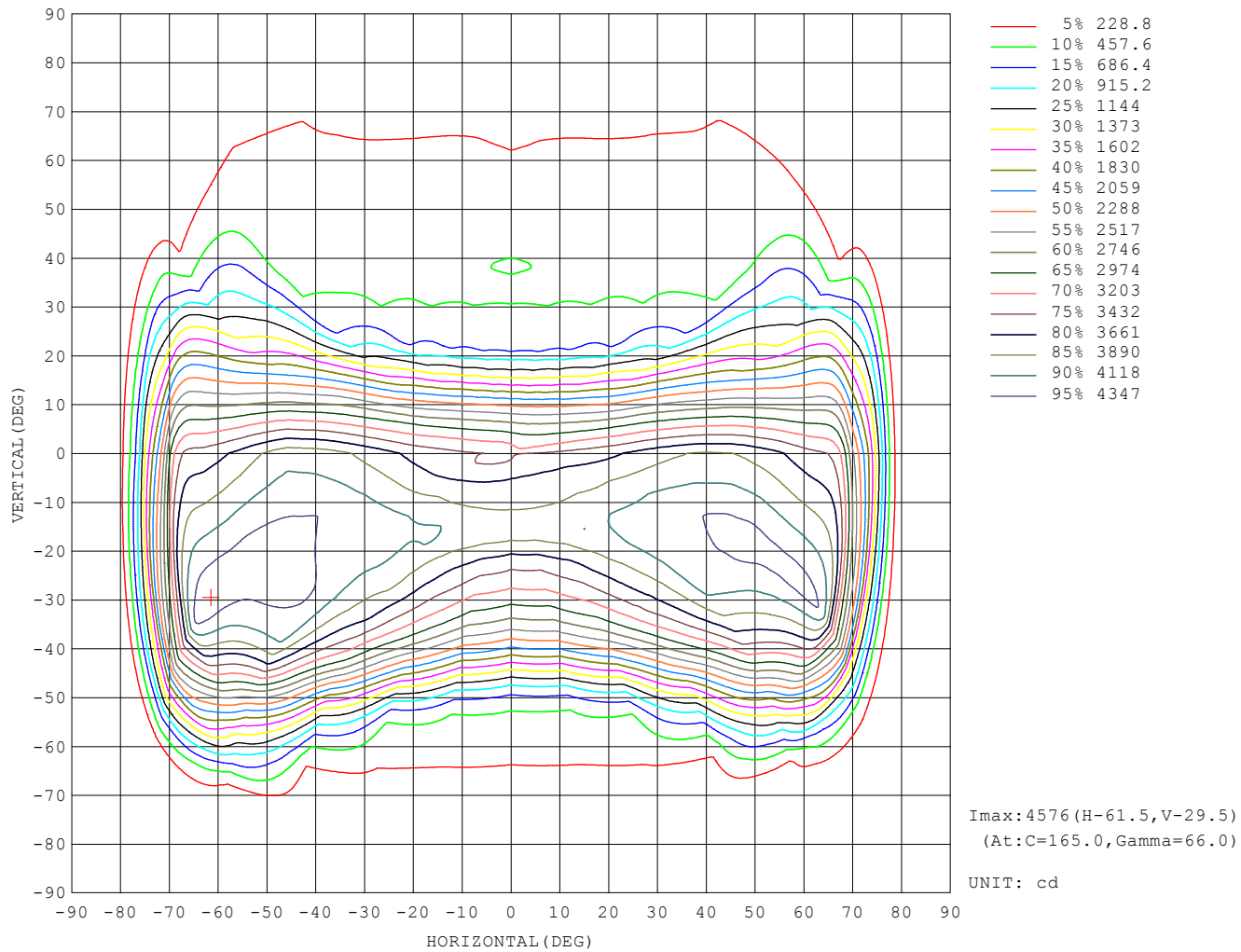
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

Checker:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM



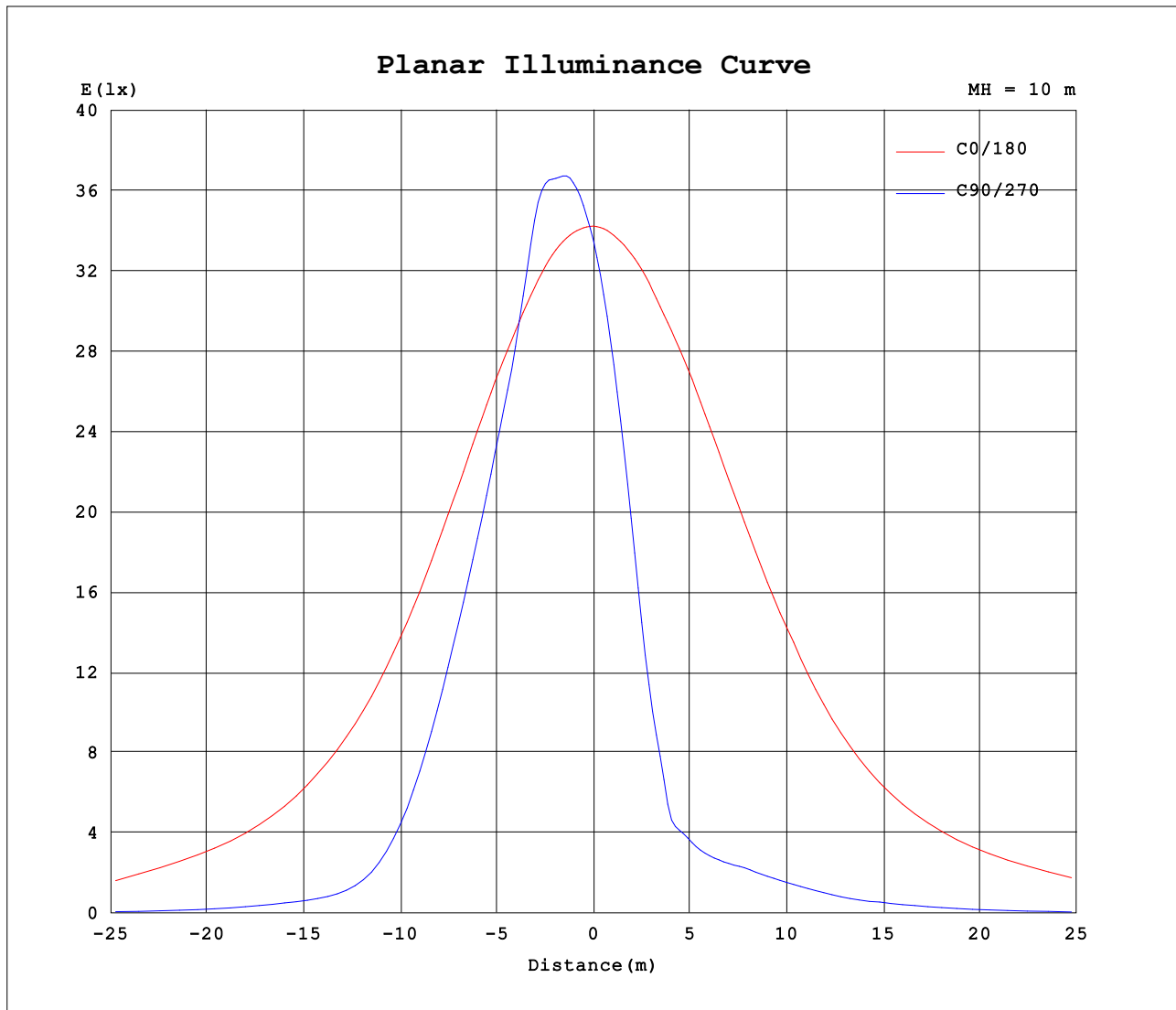
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
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: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 9.500m [K=1.0000]
Remarks:

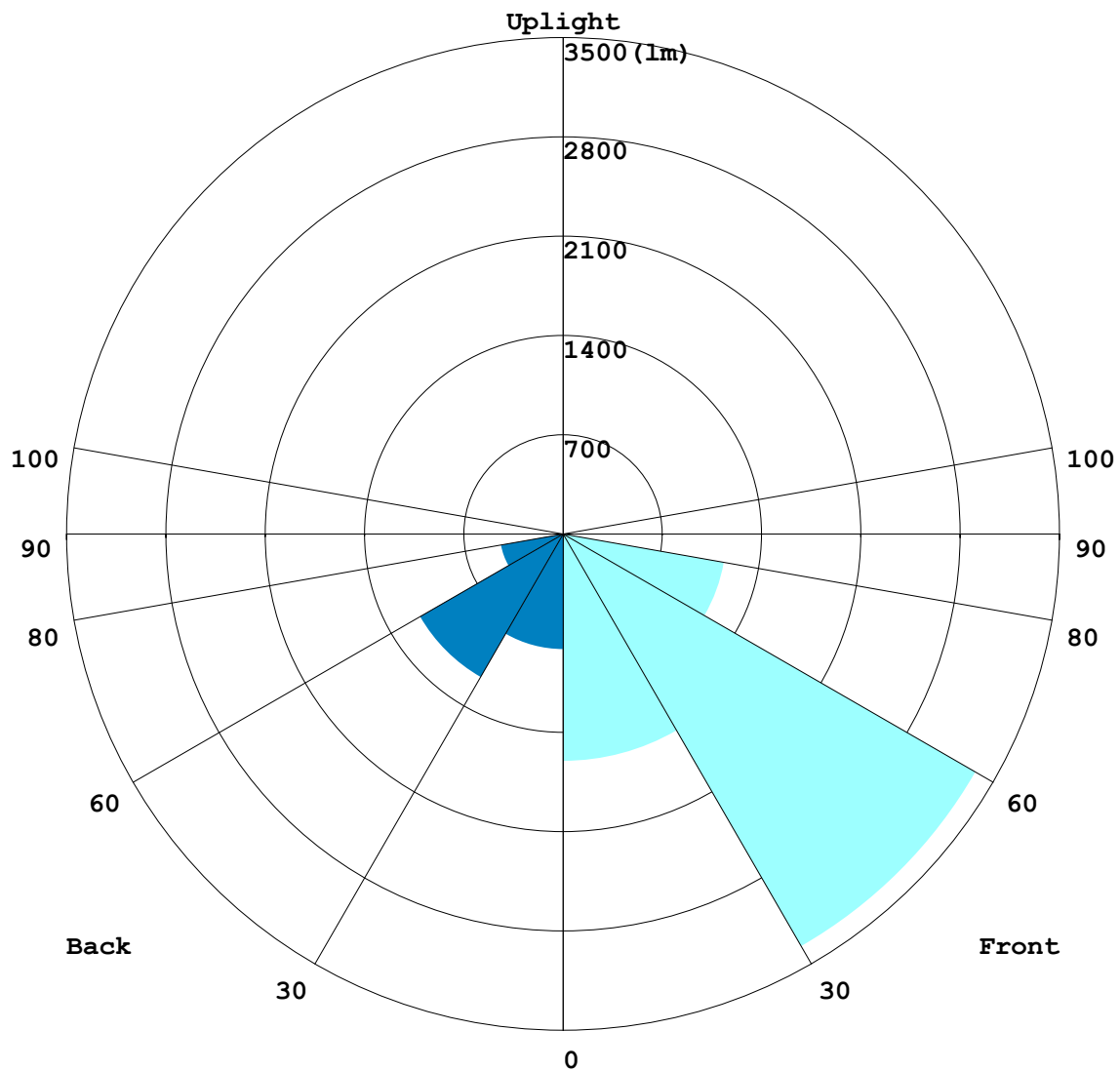
Checker:

Assessor:

LCS REPORT

Test:U:220.1V I:0.3147A P:68.07W PF:0.9830 Lamp Flux:8548.88x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70	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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

Checker:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Assessor:

BUG REPORT

Test:U:220.1V I:0.3147A P:68.07W PF:0.9830 Lamp Flux:8548.88x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70	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)	1600.2	18.7
FM - Front-Medium(30-60)	3357.2	39.3
FH - Front-High(60-80)	1152	13.5
FVH - Front-Very High(80-90)	10.734	0.1
Total Forward Light	6120.1	71.6

BL - Back-Low(0-30)	812.5	9.5
BM - Back-Medium(30-60)	1163.6	13.6
BH - Back-High(60-80)	445.01	5.2
BVH - Back-Very High(80-90)	7.491	0.1
Total Back Light	2428.6	28.4

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2428.6	0	2428.6
Street Side	6120.1	0	6120.1

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

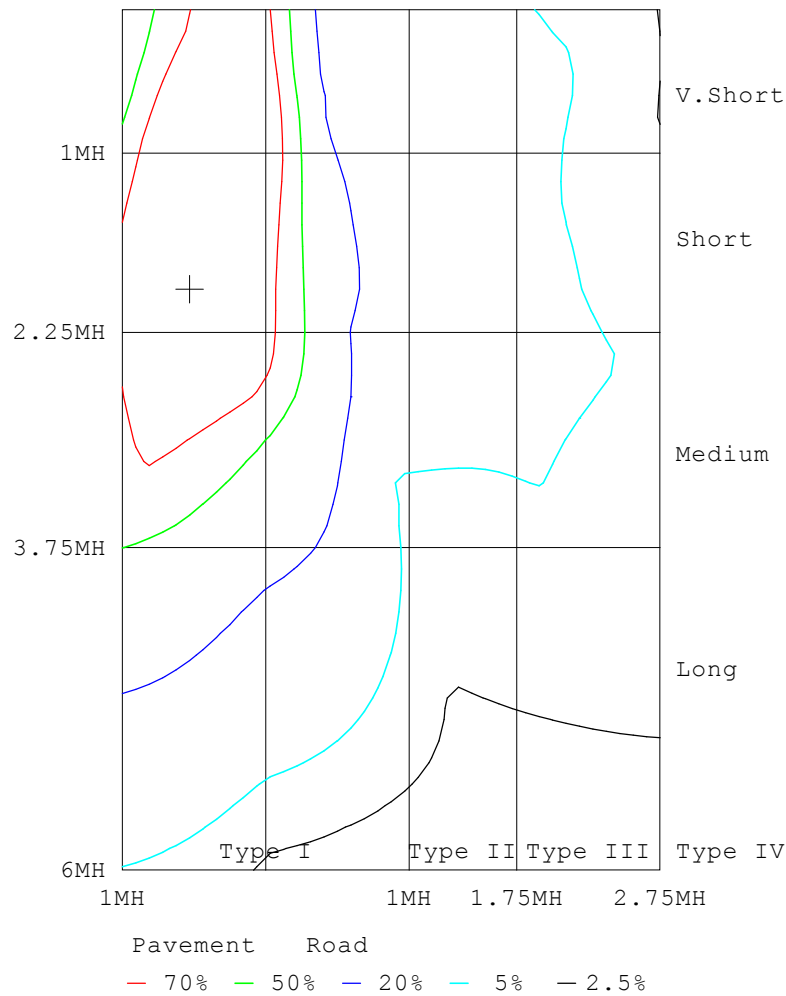
Checker:

Assessor:

ROAD ISOCANDELA REPORT

Test:U:220.1V I:0.3147A P:68.07W PF:0.9830 Lamp Flux:8548.88x1 lm		
NAME: ST09-070	TYPE:70W	WEIGHT:
SPEC.:4000K Ra70	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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-02-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Checker:

Assessor:

Assessor:

UNIT: cd

Assessor: