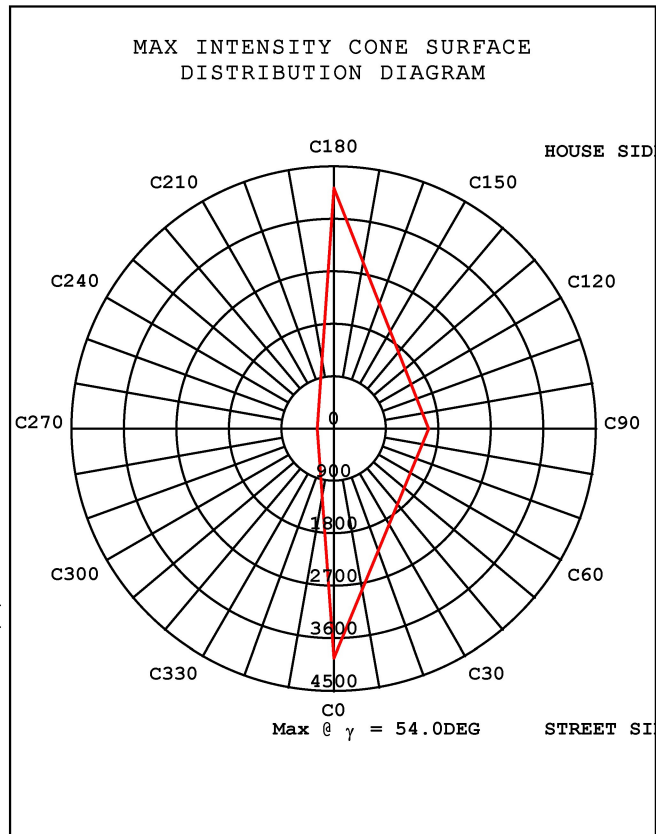
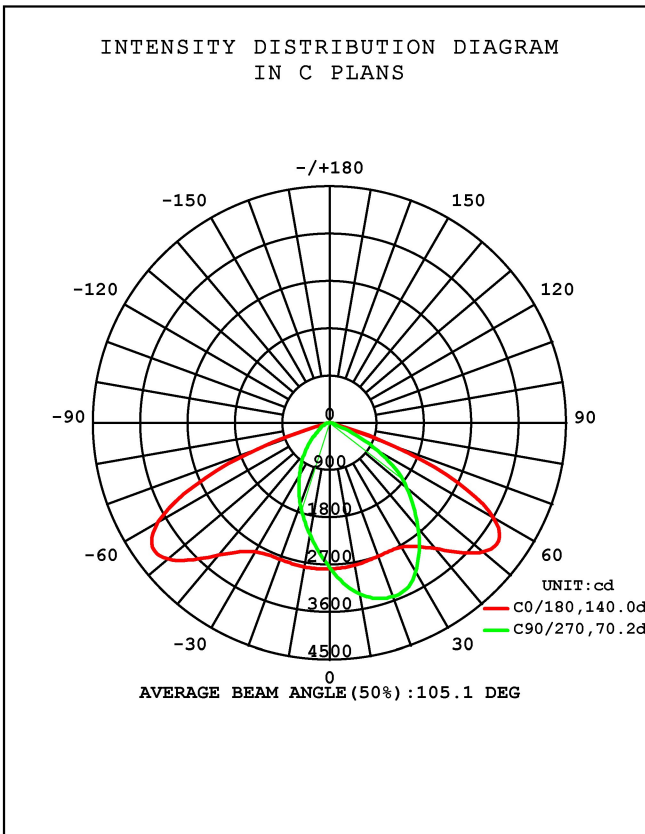


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:230.2V I:0.4815A P:104.7W PF:0.9441 Lamp Flux:9755.88x1 lm		
NAME: RS100W	TYPE:	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.22 lm/W			
MODEL	RS100W	Imax (cd)	4130	$\eta$ street_up (%)	0.4
NOMINAL POWER (W)	100	LOR (%)	100.0	$\eta$ street_down (%)	63.6
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	9756	$\eta$ house_up (%)	0.2
NOMINAL FLUX (lm)	9755.88	MAXIMUM @ (C, $\gamma$ )	180,54.0	$\eta$ house_down (%)	35.8
LAMPS INSIDE	1	$\eta$ up (%)	0.6	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	230	$\eta$ down (%)	99.4	SLI	



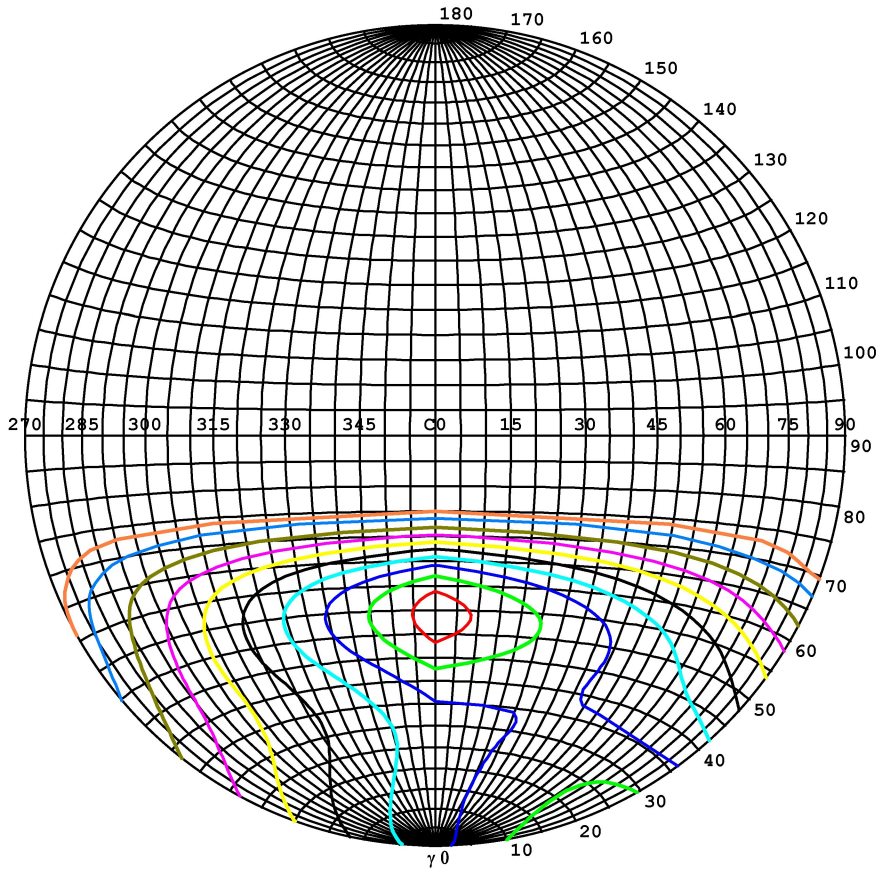
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
 Humidity: 60%  
 Test Distance: 7.791m [K=1.0000]  
 Remarks:

Note: SLI: Specific Luminaire Index

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:230.2V I:0.4815A P:104.7W PF:0.9441 Lamp Flux:9755.88x1 lm		
NAME: RS100W	TYPE:	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

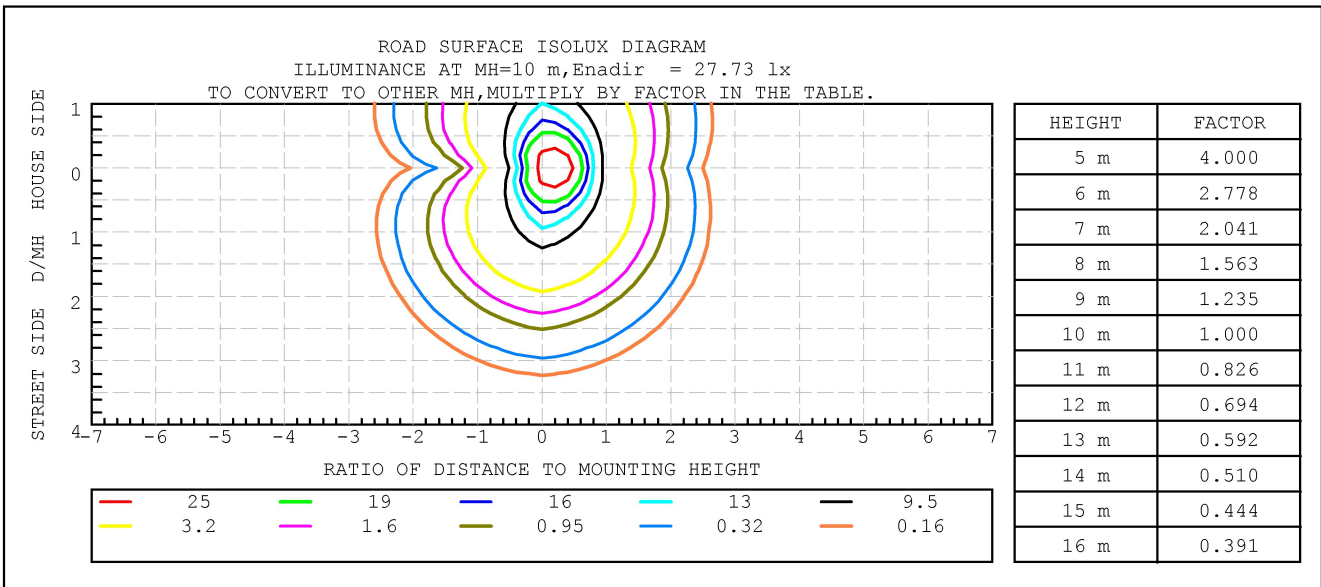
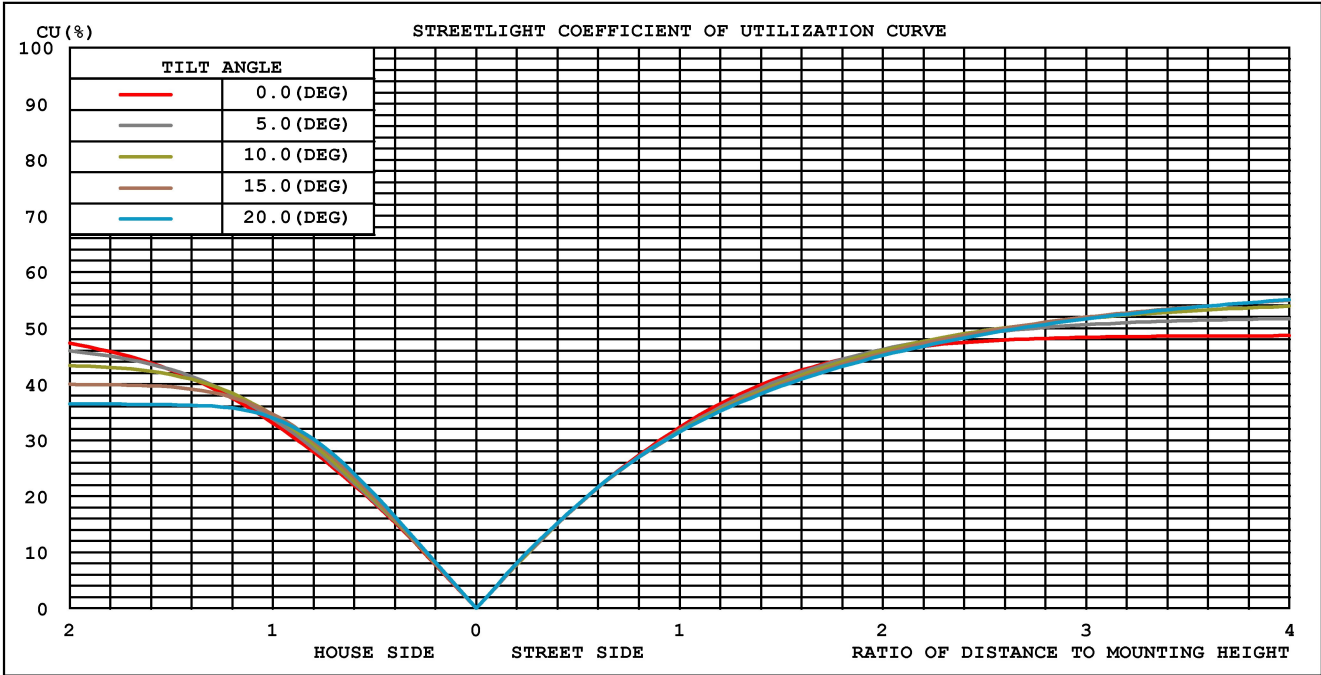


ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4130
90%	3717
80%	3304
70%	2891
60%	2478
50%	2065
40%	1652
30%	1239
20%	826
10%	413
5%	207

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

gamma Range: 0 - 180DEG  
 gamma Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
 Humidity:60%  
 Test Distance:7.791m [K=1.0000]  
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
 Humidity: 60%  
 Test Distance: 7.791m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

Test:U:230.2V I:0.4815A P:104.7W PF:0.9441 Lamp Flux:9755.88x1 lm		
NAME: RS100W	TYPE:	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

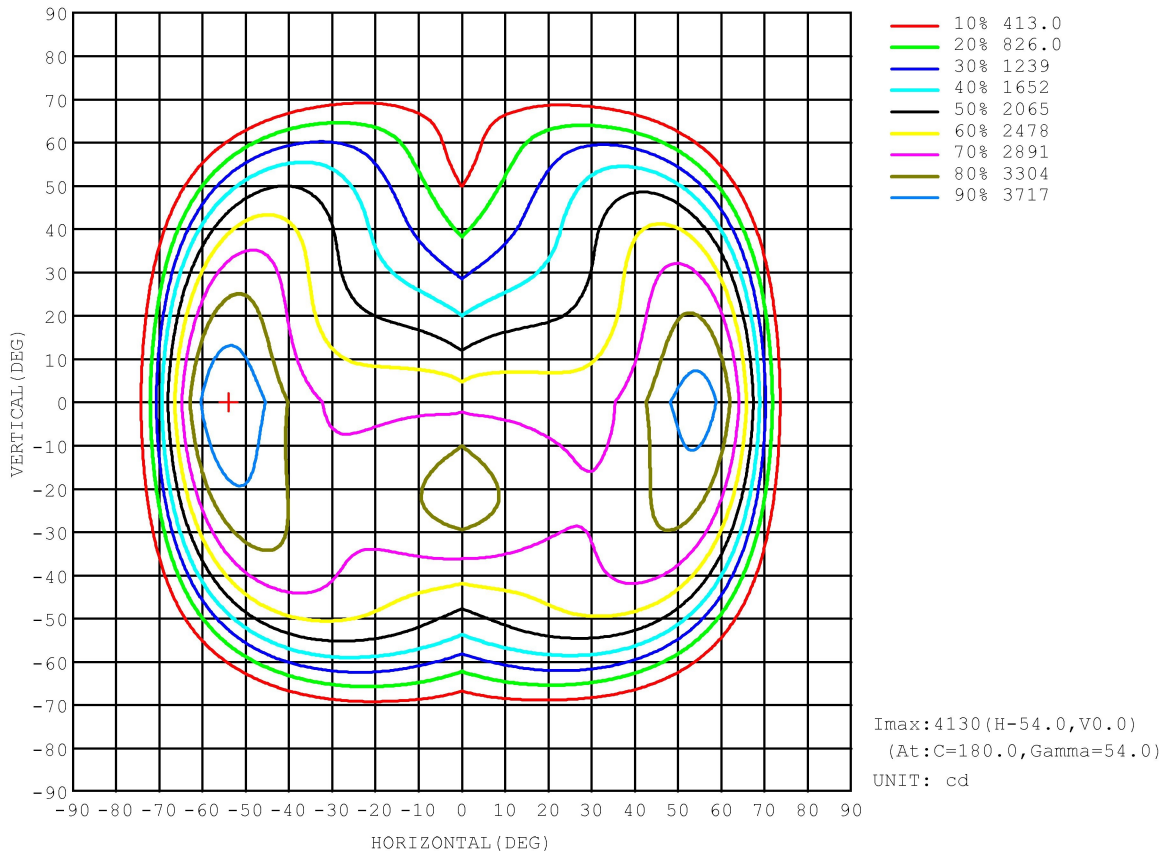
$\gamma$	C0	C90	C180	C270				$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2747	3300	2785	2169				0- 10	263.6	263.6	2.7,2.7
20	2699	3517	2761	1650				10- 20	767.0	1031	10.6,10.6
30	2732	3278	2834	1165				20- 30	1194	2224	22.8,22.8
40	3127	2628	3285	753.1				30- 40	1543	3767	38.6,38.6
50	3816	1921	4030	404.9				40- 50	1936	5703	58.5,58.5
60	3591	1059	3765	211.7				50- 60	2172	7875	80.7,80.7
70	1322	164.1	1468	116.8				60- 70	1514	9389	96.2,96.2
80	69.38	44.92	78.38	65.84				70- 80	275.8	9665	99.1,99.1
90	4.133	0.3174	4.333	1.065				80- 90	27.92	9693	99.4,99.4
100	9.565	0.6674	5.503	2.152				90-100	3.500	9697	99.4,99.4
110	15.37	1.342	9.653	4.183				100-110	6.354	9703	99.5,99.5
120	18.54	2.574	14.11	7.550				110-120	9.121	9712	99.6,99.6
130	18.95	4.440	17.37	11.34				120-130	10.71	9723	99.7,99.7
140	18.16	6.815	17.59	13.65				130-140	10.54	9733	99.8,99.8
150	17.82	9.422	16.90	15.53				140-150	9.066	9742	99.9,99.9
160	17.72	12.21	17.04	17.62				150-160	7.150	9749	99.9,99.9
170	17.61	15.25	17.48	19.05				160-170	4.753	9754	100,100
180	17.58	17.70	17.65	17.64				170-180	1.669	9756	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 4.4 %								UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
Humidity:60%  
Test Distance:7.791m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

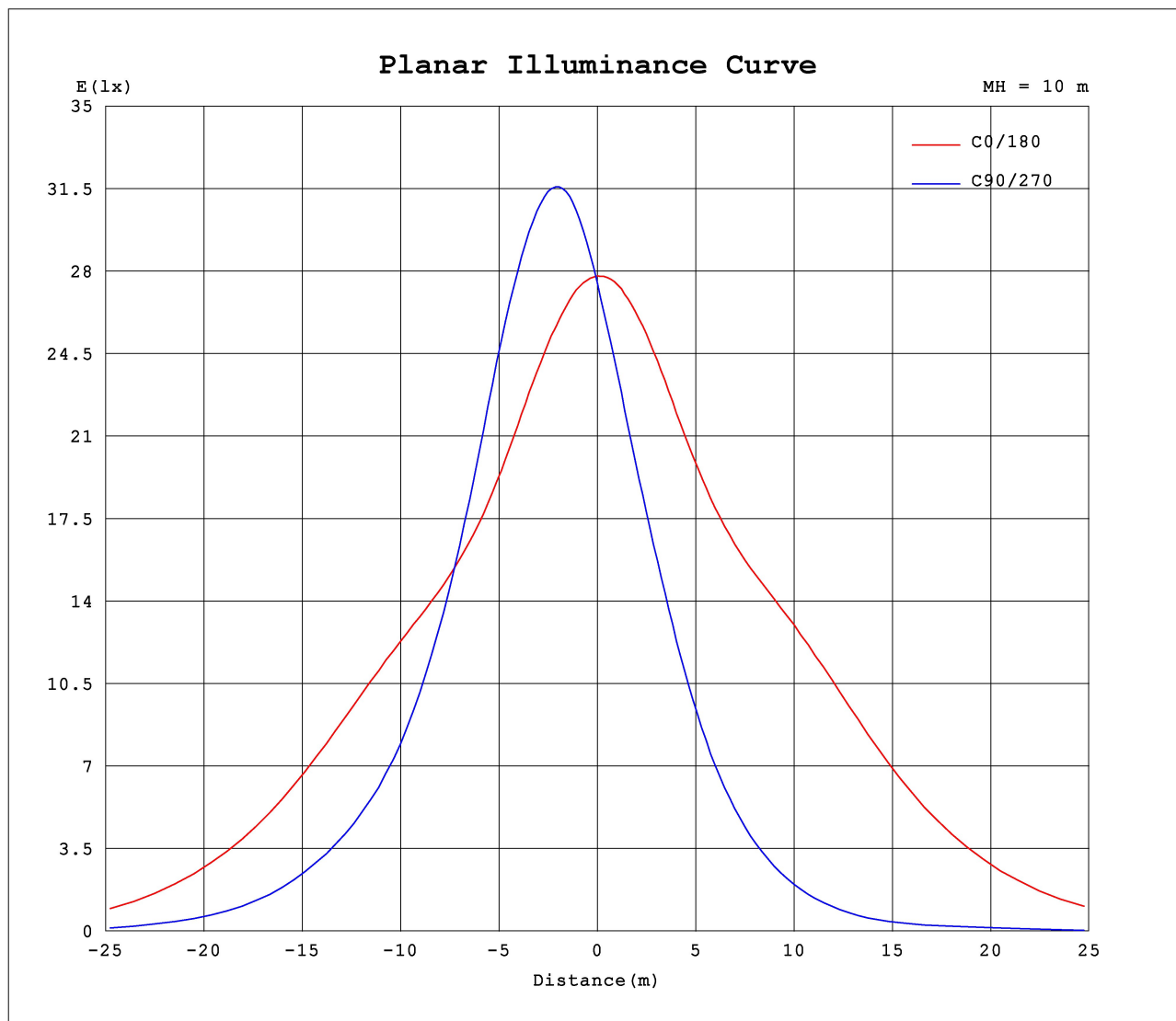
Test:U:230.2V I:0.4815A P:104.7W PF:0.9441 Lamp Flux:9755.88x1 lm		
NAME: RS100W	TYPE:	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
 Humidity: 60%  
 Test Distance: 7.791m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



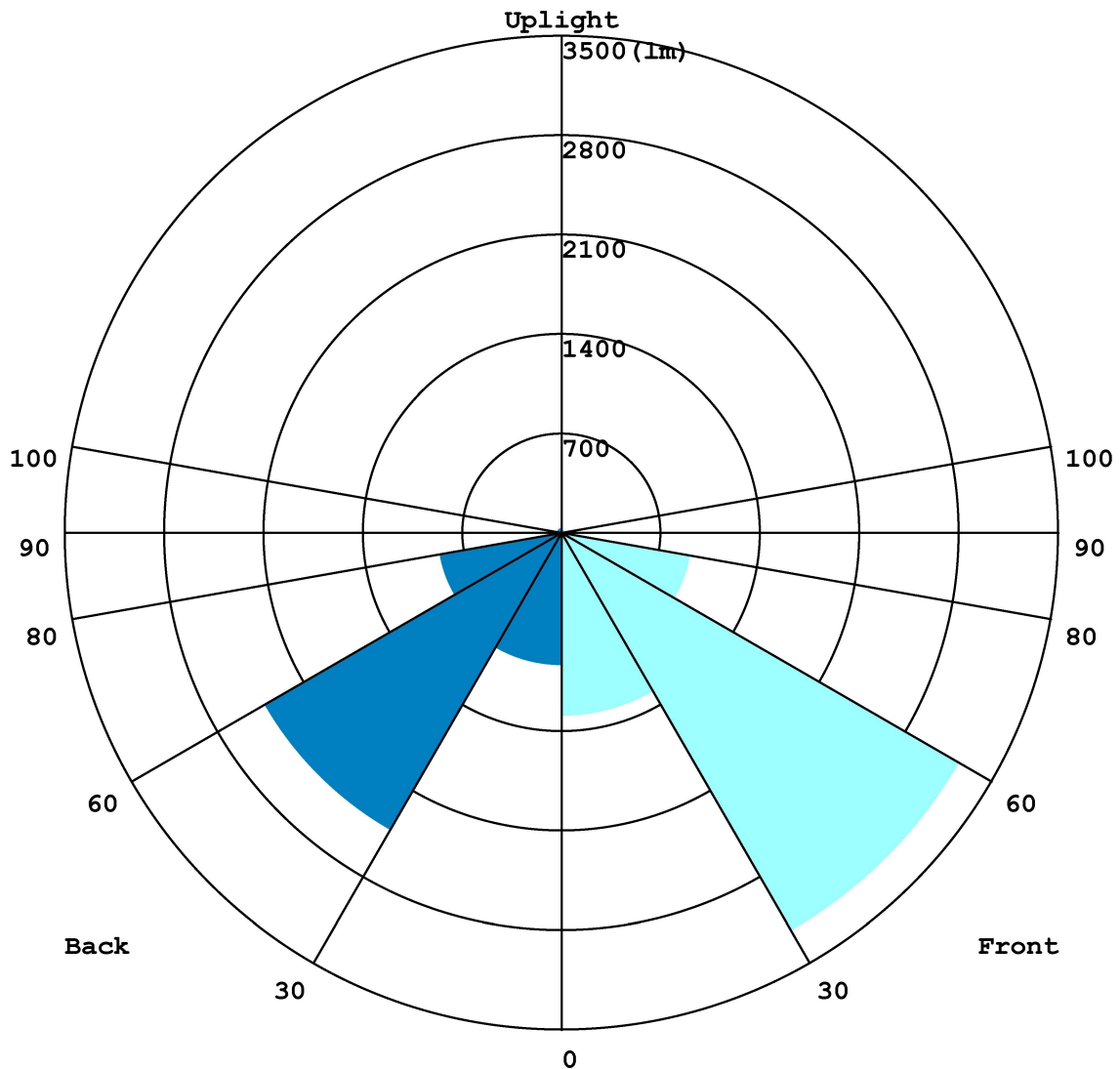
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
 Humidity: 60%  
 Test Distance: 7.791m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:230.2V I:0.4815A P:104.7W PF:0.9441 Lamp Flux:9755.88x1 lm		
NAME: RS100W	TYPE:	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
 Humidity:60%  
 Test Distance:7.791m [K=1.0000]  
 Remarks:

## BUG REPORT

Test:U:230.2V I:0.4815A P:104.7W PF:0.9441 Lamp Flux:9755.88x1 lm		
NAME: RS100W	TYPE:	WEIGHT:
SPEC.:100W	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1289	13.2
FM - Front-Medium(30-60)	3234.7	33.2
FH - Front-High(60-80)	919.86	9.4
FVH - Front-Very High(80-90)	9.9158	0.1
Total Forward Light	5483.8	56.2

BL - Back-Low(0-30)	935.07	9.6
BM - Back-Medium(30-60)	2416.6	24.8
BH - Back-High(60-80)	869.85	8.9
BVH - Back-Very High(80-90)	18	0.2
Total Back Light	4272.1	43.8

UL - Uplight-Low(90-100)	3.5003	0.0
UH - Uplight-High(100-180)	59.363	0.6
Total Up Light	62.864	0.6

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5453.5	30.335	5483.8
Street Side	4239.5	32.528	4272.1

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.293  
Humidity:60%  
Test Distance:7.791m [K=1.0000]  
Remarks: