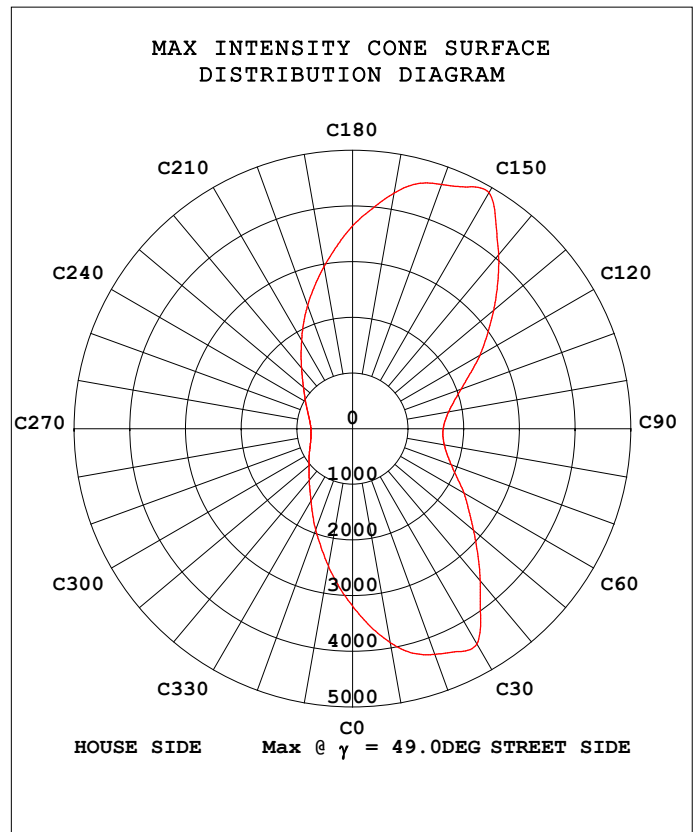
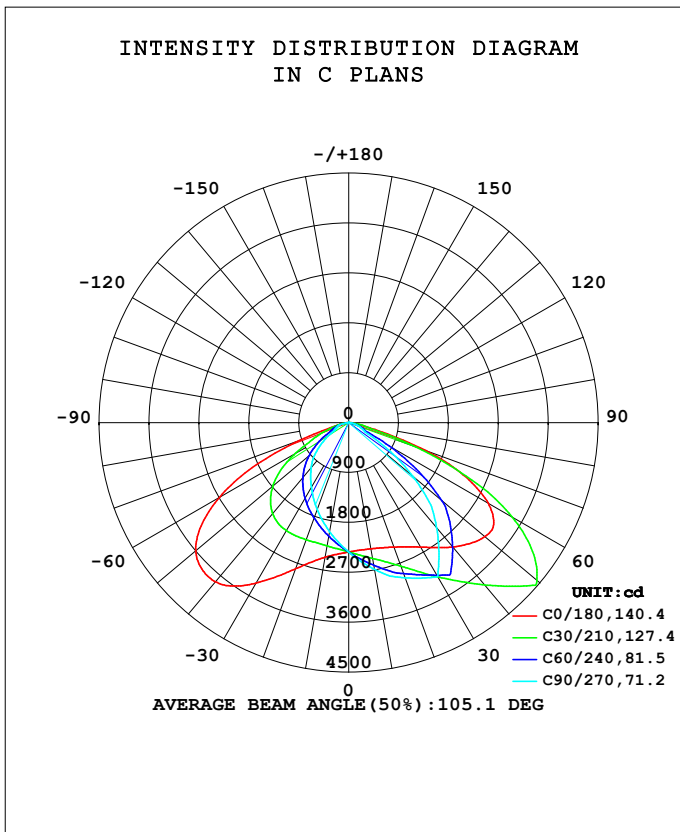


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL01-0055-E02S	Imax (cd)	4900	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	46	LOR (%)	100.0	$\eta$ street_down (%)	64.7
RATED VOLTAGE (V)	19	TOTAL FLUX (lm)	8745	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	8745.32	MAXIMUM @ (C, $\gamma$ )	150,49.0	$\eta$ house_down (%)	35.3
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	19	$\eta$ down (%)	100.0	SLI	18.600

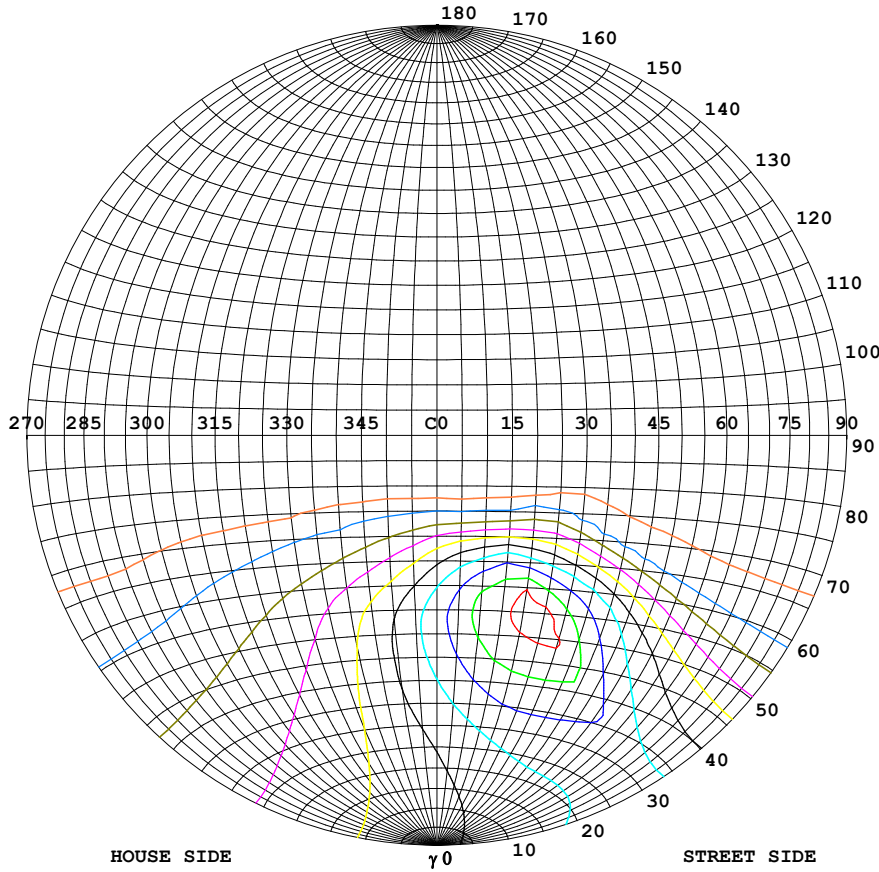


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:8.988m [K=1.0000]  
Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	



**Classification:**

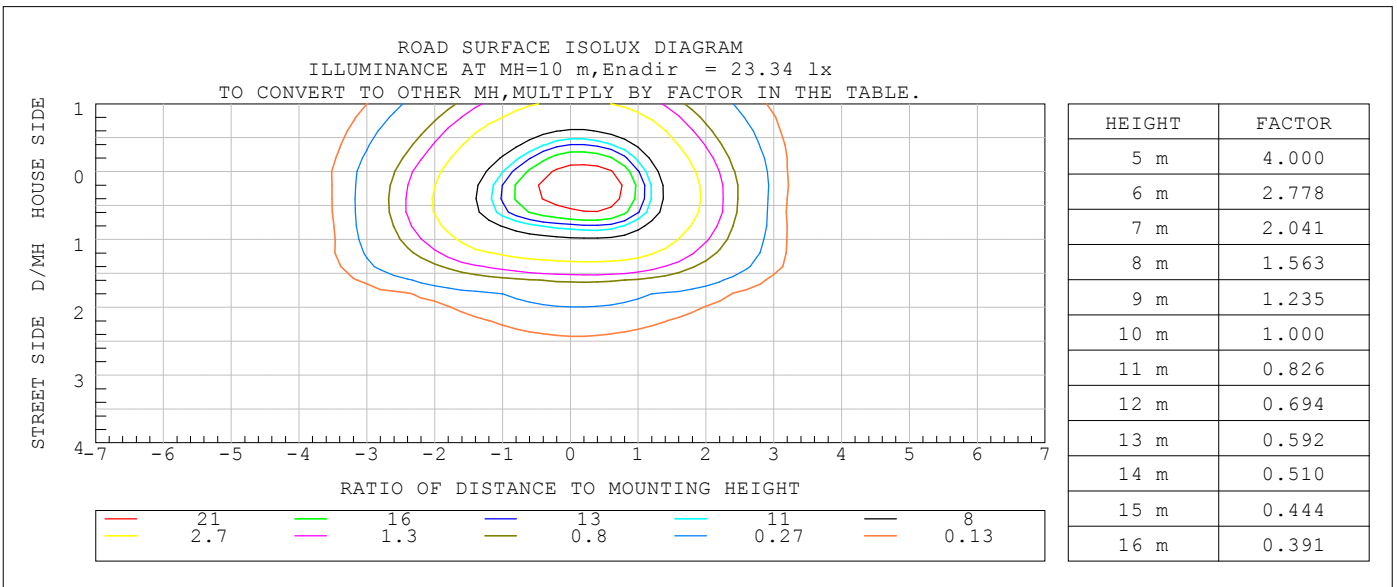
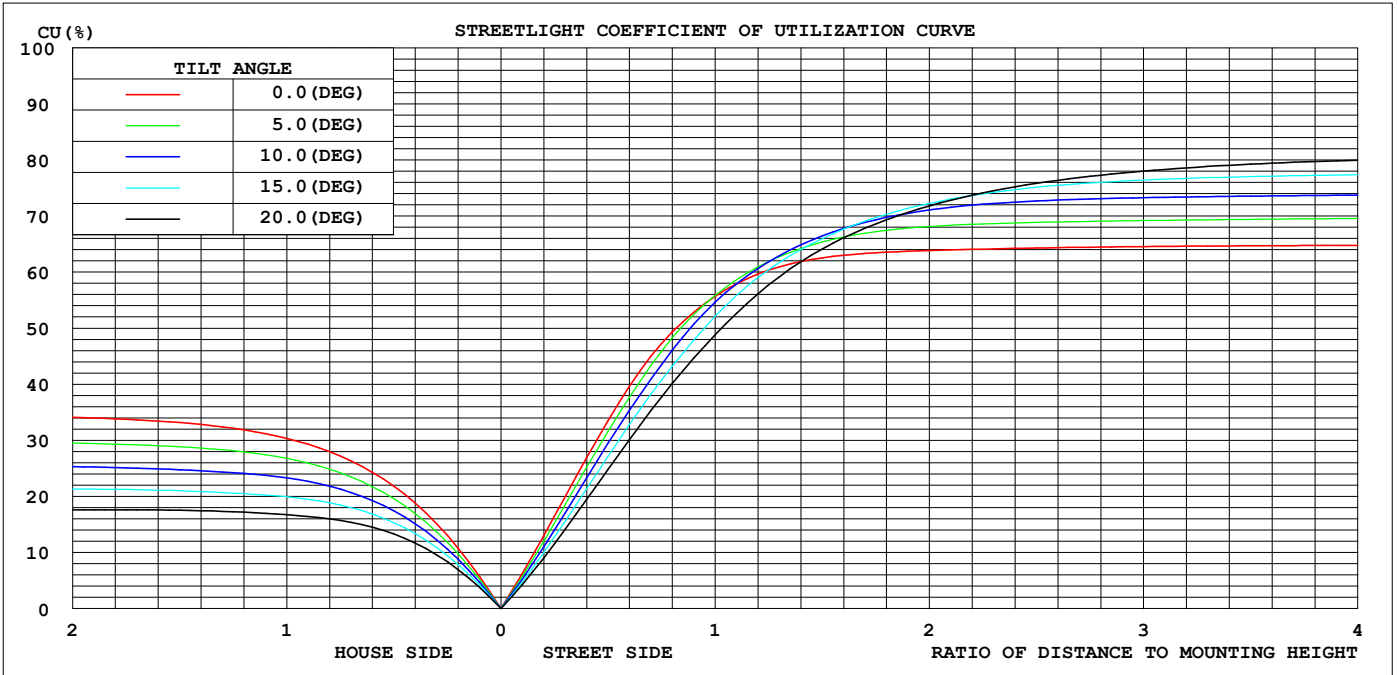
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:22.68cd/klm  
 Max.At90:0.1088cd/klm  
 Max.80-90:22.68cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	4900
— 90%	4410
— 80%	3920
— 70%	3430
— 60%	2940
— 50%	2450
— 40%	1960
— 30%	1470
— 20%	980
— 10%	490
— 5%	245

H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:8.988m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:8.988m [K=1.0000]  
Remarks:

**ZONAL FLUX DIAGRAM**

Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

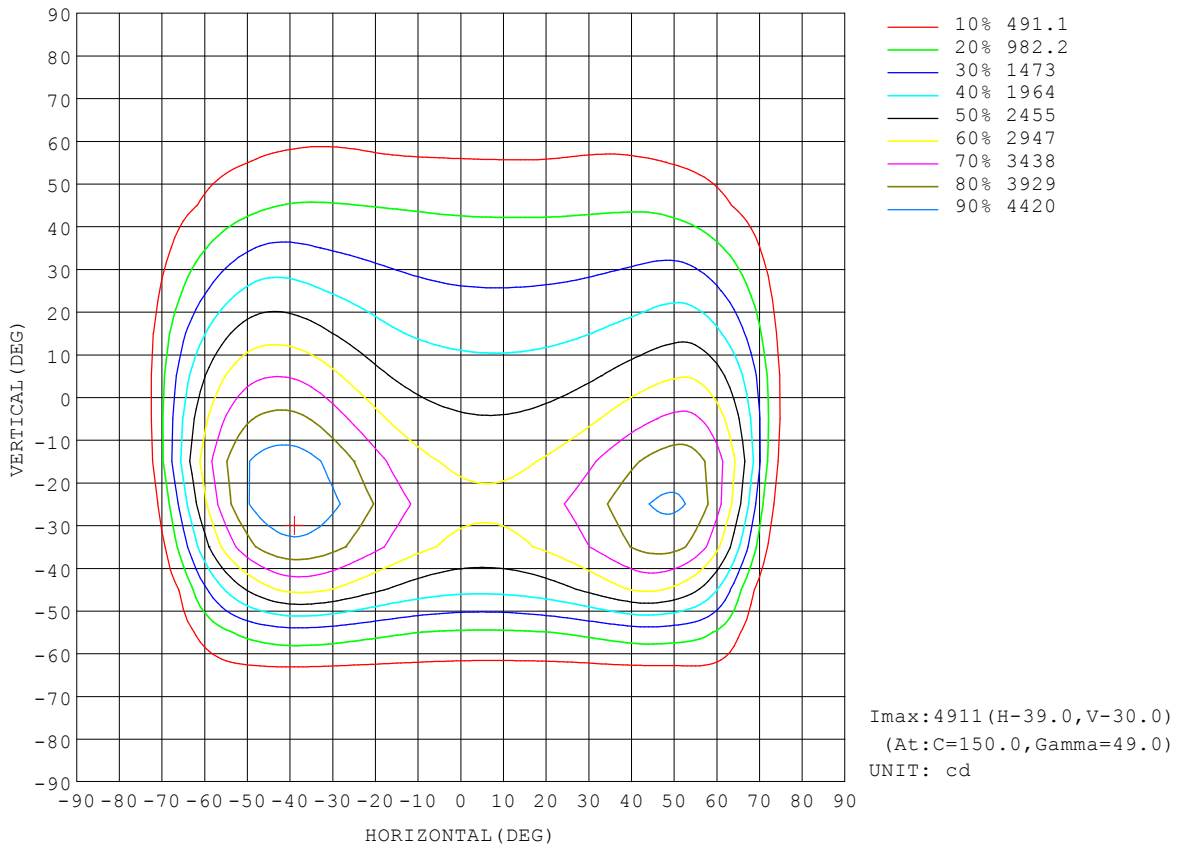
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2311	2554	2686	2686	2466	2160	1998	2072	0- 10	224.4	224.4	2.57,2.57
20	2389	2860	2978	3231	2804	2001	1669	1834	10- 20	686.0	910.4	10.4,10.4
30	2592	3226	3209	3860	3341	1848	1347	1611	20- 30	1183	2093	23.9,23.9
40	2929	3659	2466	4410	3745	1586	1055	1357	30- 40	1666	3759	43,43
50	3202	3118	1514	3589	3606	1235	710.9	1079	40- 50	1928	5687	65,65
60	2906	1915	352.2	2047	2689	766.1	315.1	701.8	50- 60	1741	7428	84.9,84.9
70	1483	313.5	197.1	355.5	954.7	318.8	221.9	292.3	60- 70	1004	8432	96.4,96.4
80	141.6	81.08	0	82.05	115.7	106.6	0	92.55	70- 80	289.1	8721	99.7,99.7
90	0.9518	0	0	0	0.8757	0	0	0	80- 90	23.92	8745	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		

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:8.988m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

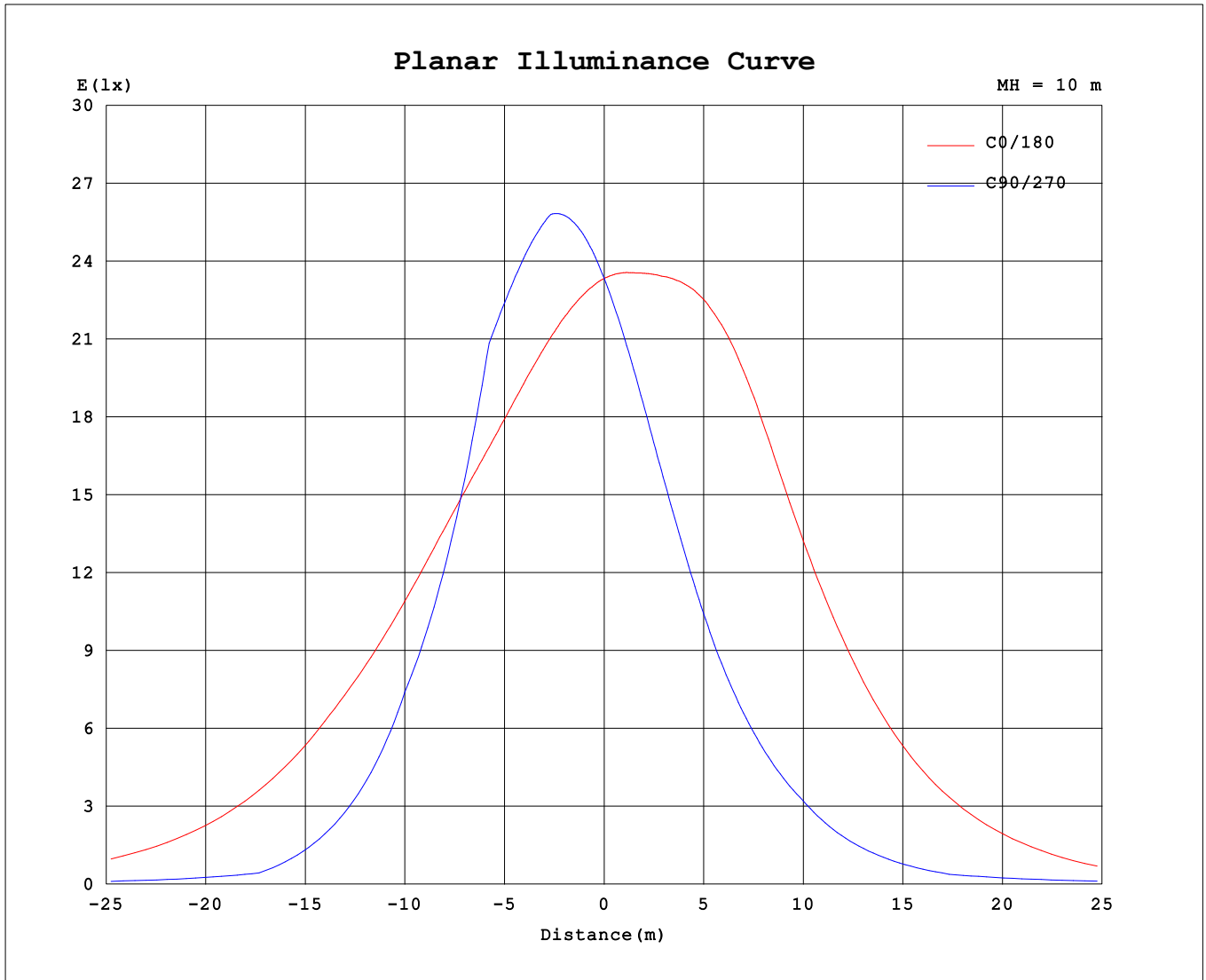
Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:8.988m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



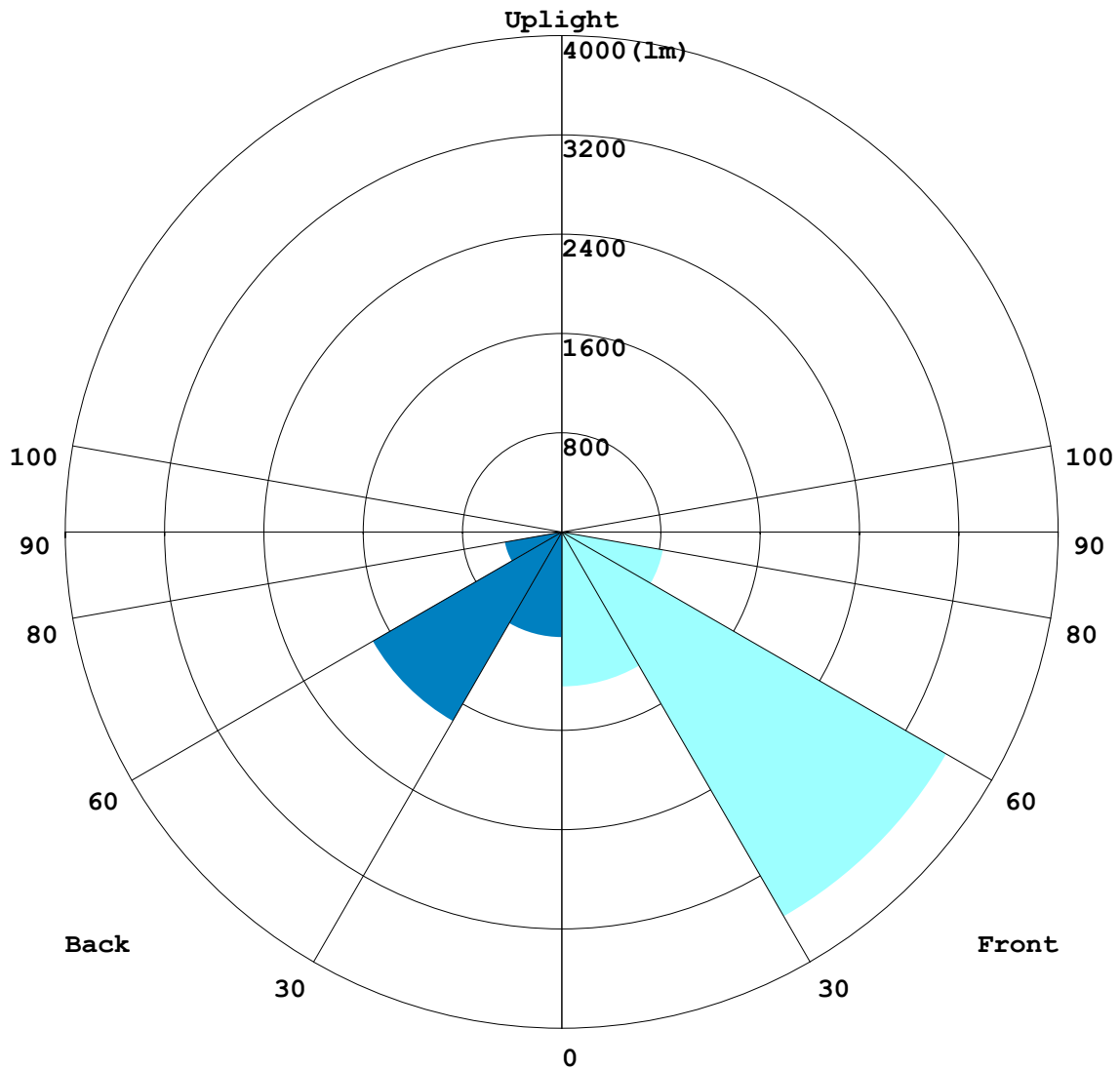
H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:8.988m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:8.988m [K=1.0000]  
Remarks:

**BUG REPORT**

Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1245	14.2
FM - Front-Medium(30-60)	3577	40.9
FH - Front-High(60-80)	828.62	9.5
FVH - Front-Very High(80-90)	11.776	0.1
<b>Total Forward Light</b>	<b>5662.4</b>	<b>64.7</b>

BL - Back-Low(0-30)	847.96	9.7
BM - Back-Medium(30-60)	1757.9	20.1
BH - Back-High(60-80)	464.92	5.3
BVH - Back-Very High(80-90)	12.144	0.1
<b>Total Back Light</b>	<b>3082.9</b>	<b>35.3</b>

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
<b>Total Up Light</b>	<b>0</b>	<b>0.0</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B2-U0-G1</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3082.9	0	3082.9
Street Side	5662.4	0	5662.4

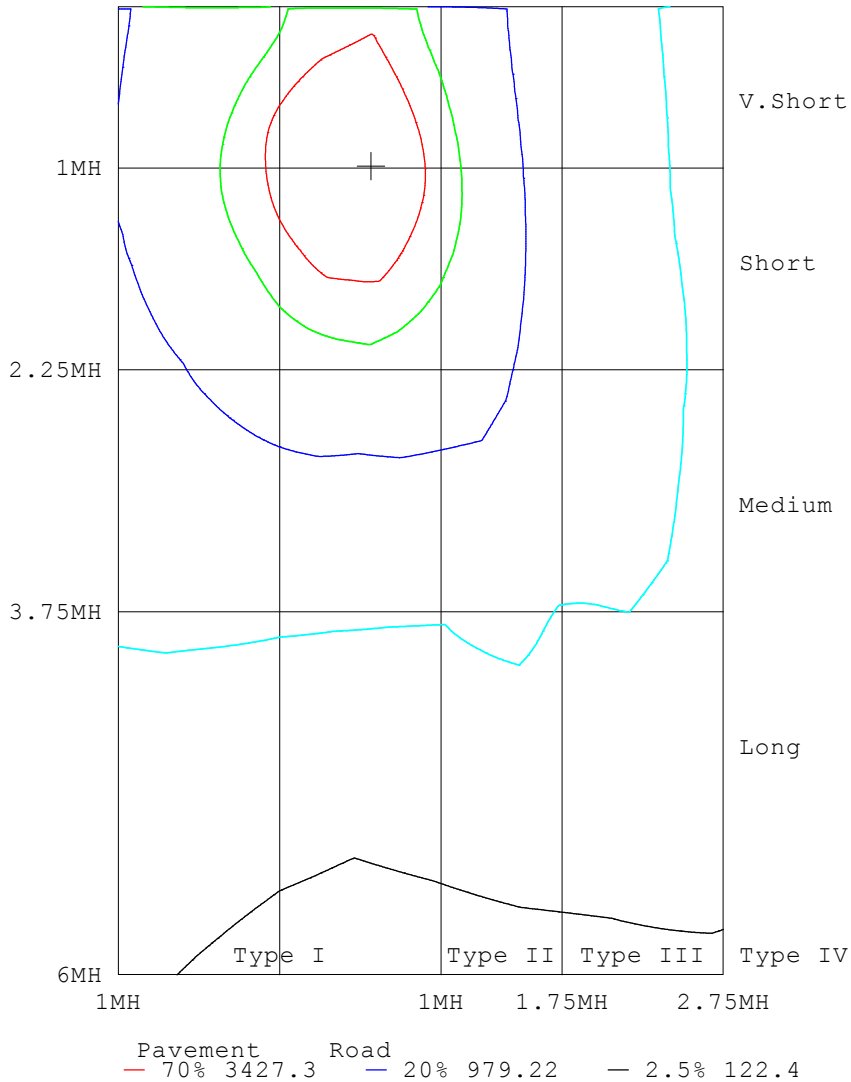
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:8.988m [K=1.0000]  
Remarks:

**ROAD ISOCANDELA REPORT**

Test:U:19.760V I:2.3450A P:46.340W PF:1.0000 Freq:50.00Hz Lamp Flux:8745.32x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

ROAD SURFACE ISOCANDELA DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:DAMIN  
Test Date:2026-04-22

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:8.988m [K=1.0000]  
Remarks:







