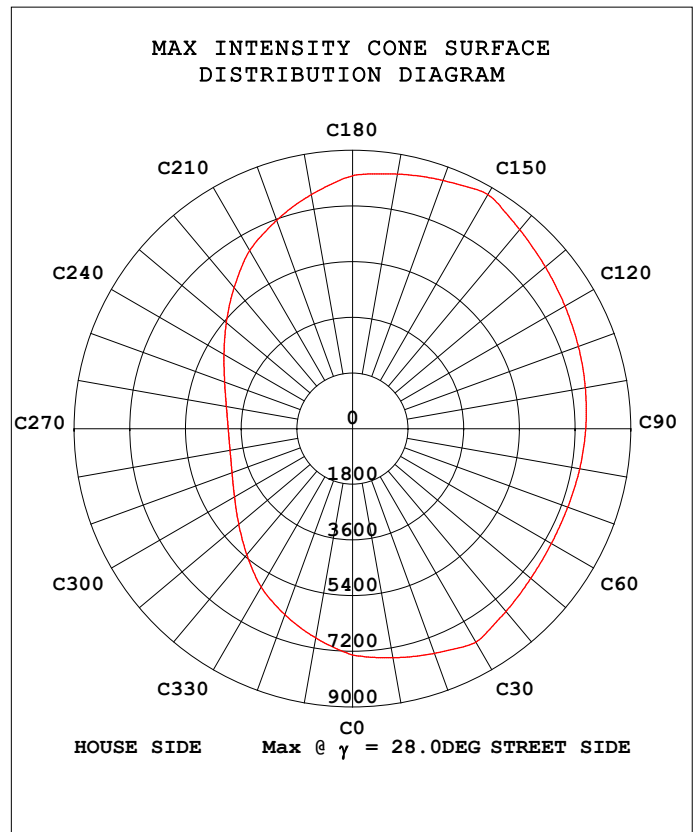
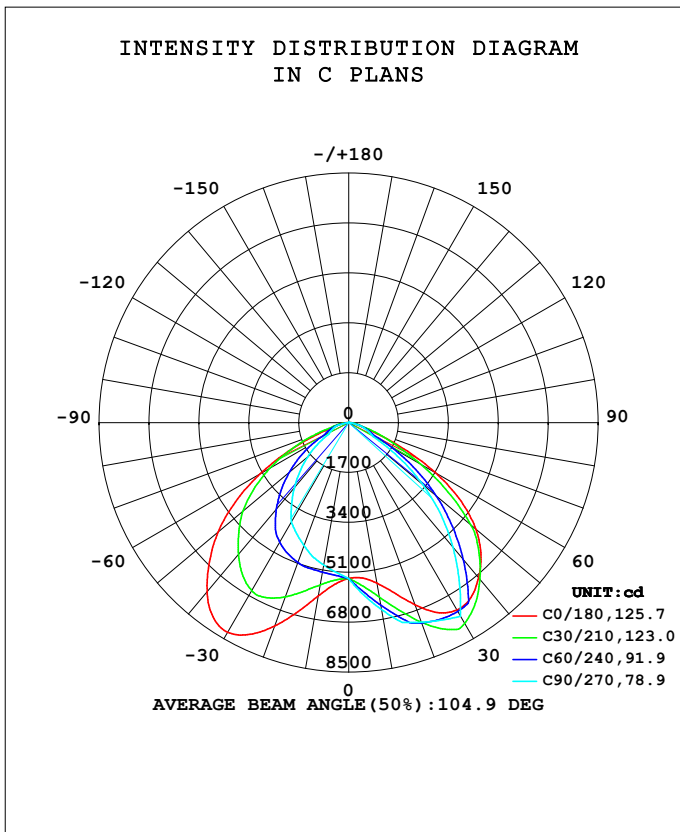


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL01-0125-E02S	Imax (cd)	8744	η street_up (%)	0.0
NOMINAL POWER (W)	94	LOR (%)	100.0	η street_down (%)	56.4
RATED VOLTAGE (V)	19	TOTAL FLUX (lm)	17848	η house_up (%)	0.0
NOMINAL FLUX (lm)	17847.5	MAXIMUM @ (C, γ)	150,28.0	η house_down (%)	43.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	45	η down (%)	100.0	SLI	18.881

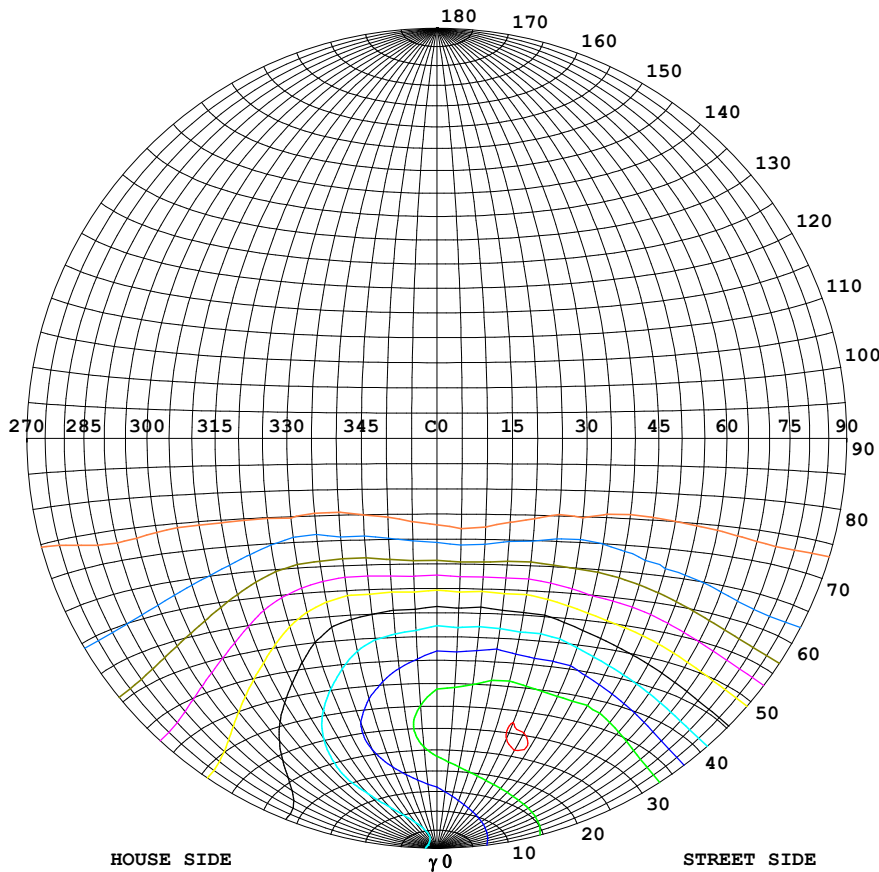


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-04-22

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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	



Classification:

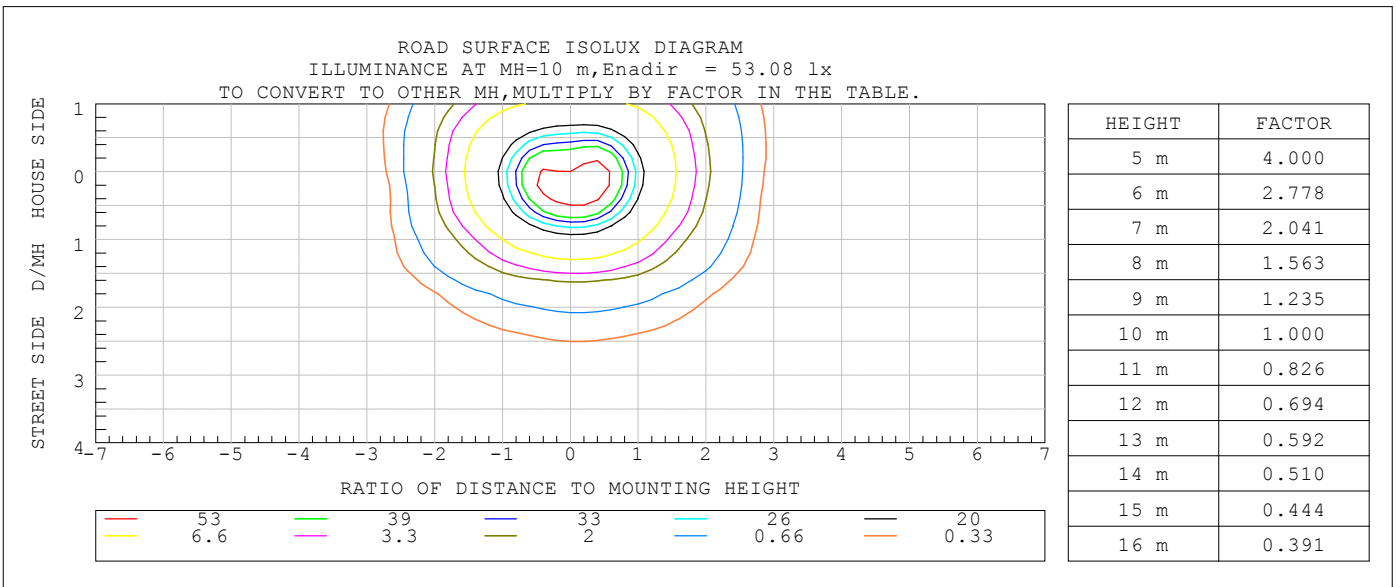
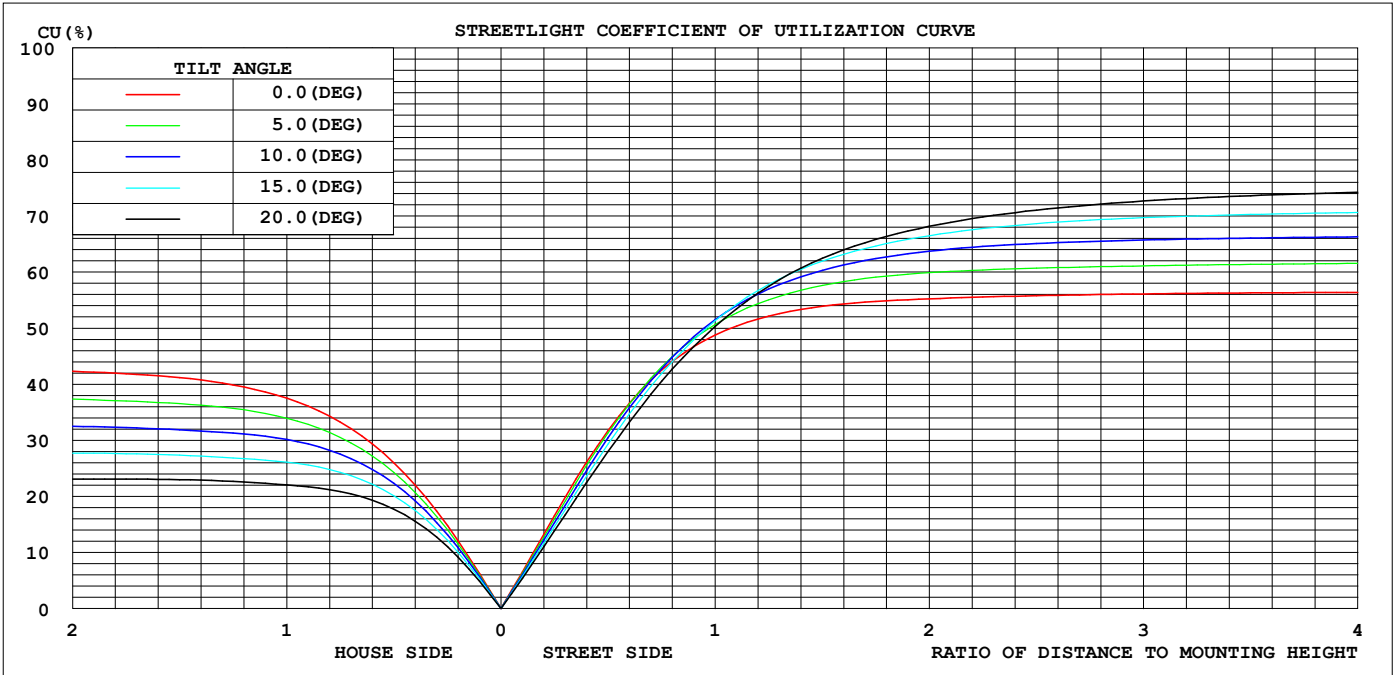
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:18.74cd/klm
 Max.At90:0.6951cd/klm
 Max.80-90:18.74cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	8744
— 90%	7870
— 80%	6996
— 70%	6121
— 60%	5247
— 50%	4372
— 40%	3498
— 30%	2623
— 20%	1749
— 10%	874
— 5%	437

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(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:

ZONAL FLUX DIAGRAM

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

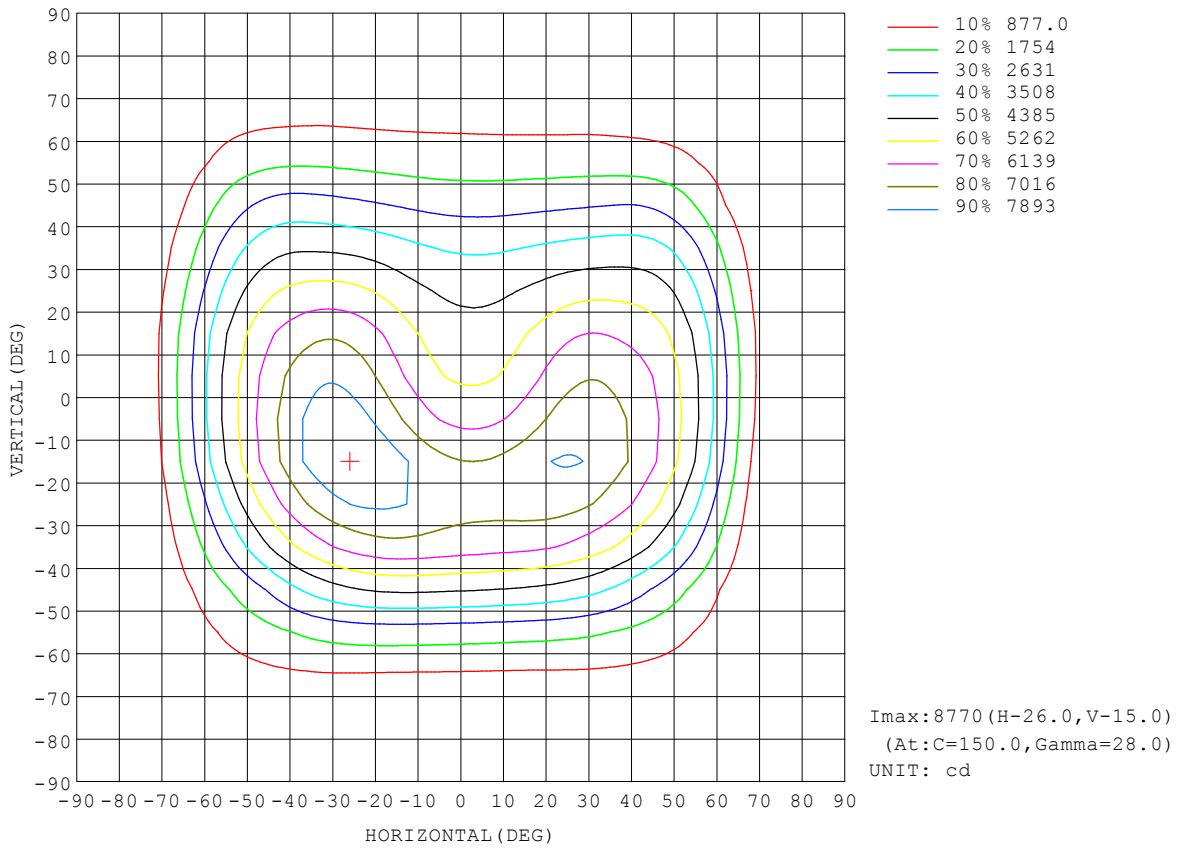
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5550	6193	6467	6506	5994	5376	4925	5094	0- 10	533.0	533.0	2.99,2.99
20	6601	7402	7235	8013	7368	5687	4460	5169	10- 20	1751	2284	12.8,12.8
30	7372	7565	7614	8203	8247	5558	3915	4977	20- 30	3076	5360	30,30
40	6890	6765	5514	7241	7504	4769	2876	4288	30- 40	3925	9285	52,52
50	5665	4546	3302	4863	5814	3592	1834	3204	40- 50	3804	13089	73.3,73.3
60	3400	2328	975.8	2531	3477	2215	790.1	1896	50- 60	2840	15929	89.2,89.2
70	722.2	709.1	567.4	818.2	1033	818.7	548.4	595.1	60- 70	1394	17323	97.1,97.1
80	196.1	201.8	0	243.8	250.0	249.4	0	212.2	70- 80	473.3	17796	99.7,99.7
90	3.976	0	0	0	12.41	0	0	0	80- 90	51.28	17848	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(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:

ISOCANDELA DIAGRAM

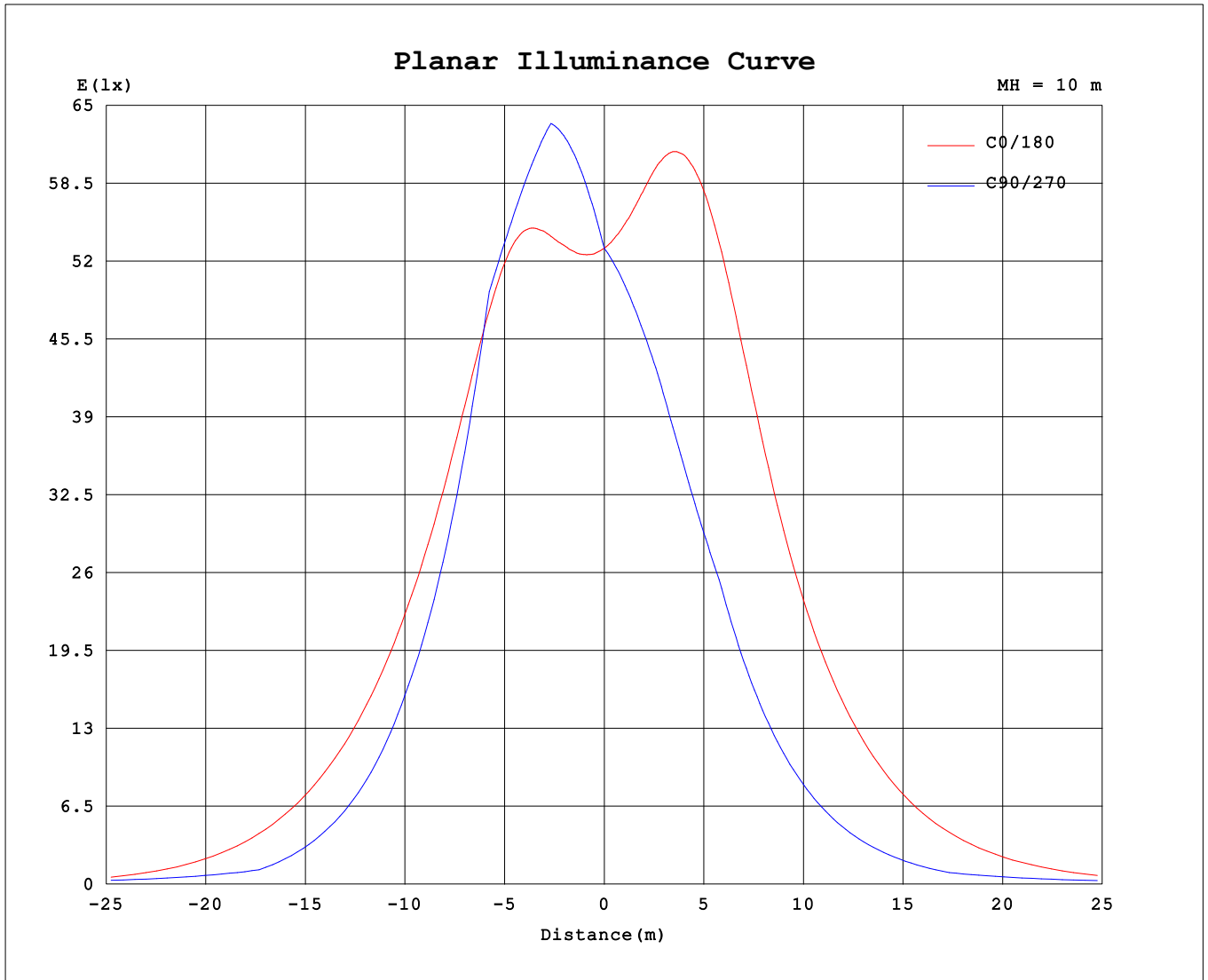
Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	



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:

Planar Illuminance Curve



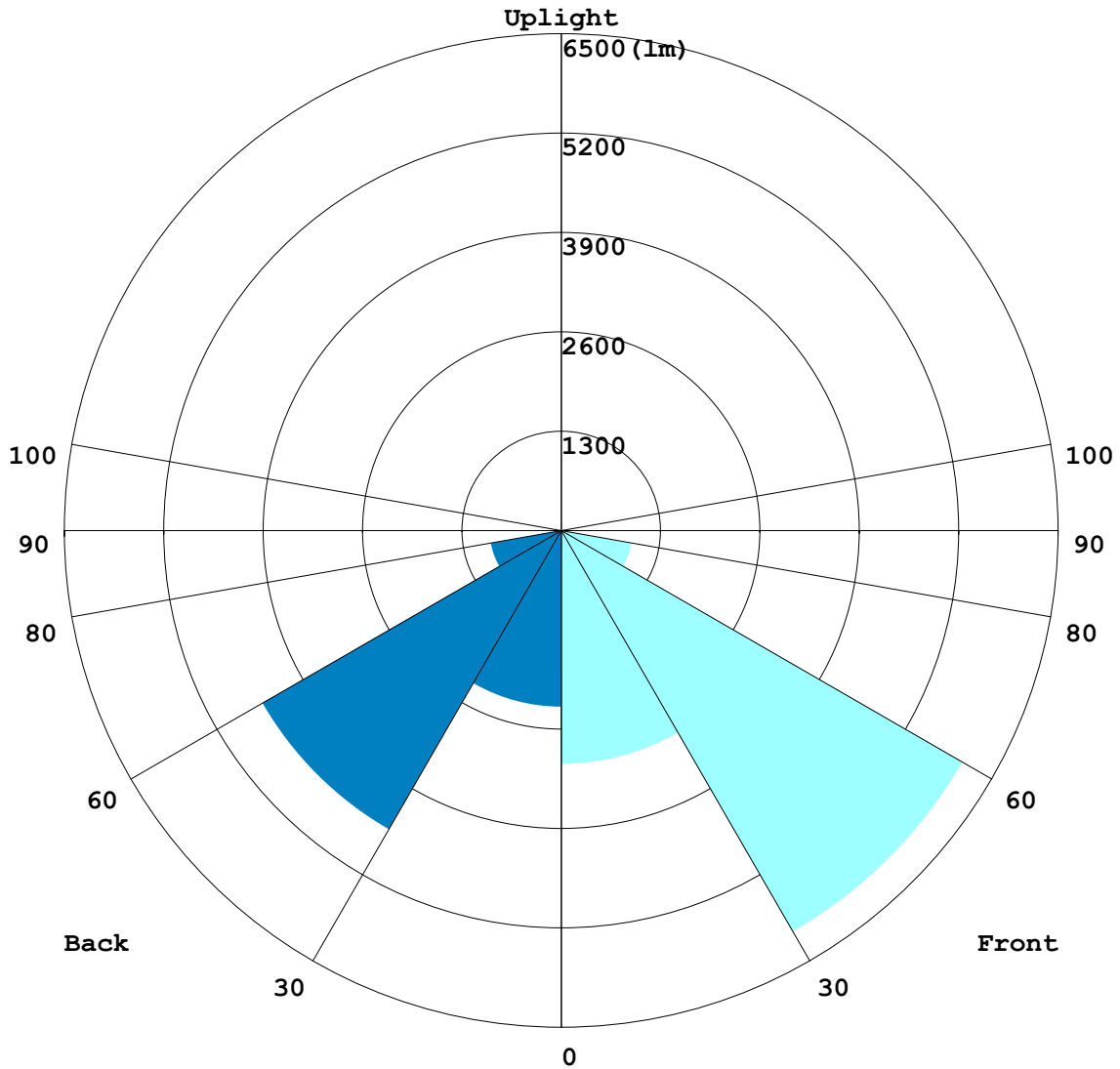
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-04-22

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:

LCS REPORT

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz		
Lamp Flux:17847.5x1 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:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 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)	3053.9	17.1
FM - Front-Medium(30-60)	6057.6	33.9
FH - Front-High(60-80)	931.95	5.2
FVH - Front-Very High(80-90)	24.475	0.1
Total Forward Light	10068	56.4

BL - Back-Low(0-30)	2305.7	12.9
BM - Back-Medium(30-60)	4511.5	25.3
BH - Back-High(60-80)	935.6	5.2
BVH - Back-Very High(80-90)	26.807	0.2
Total Back Light	7779.6	43.6

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	7779.6	0	7779.6
Street Side	10068	0	10068

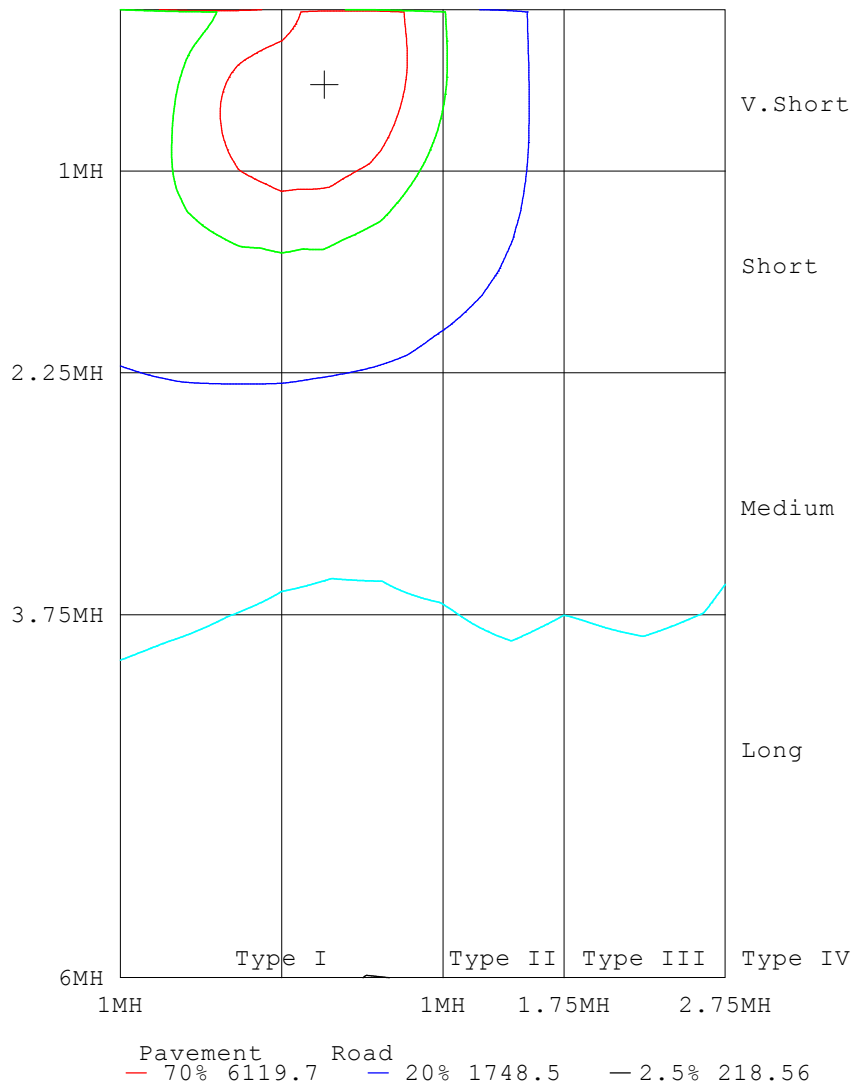
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2026-04-22

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:

ROAD ISOCANDELA REPORT

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

ROAD SURFACE ISOCANDELA DIAGRAM



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308
5	5897	5903	5906	5905	5900	5894	5884	5871	5854	5833	5808	5780	5748	5712	5672	5629	5582	5533	5513
10	6487	6503	6516	6527	6534	6536	6535	6525	6506	6485	6455	6418	6371	6315	6249	6173	6088	5994	5946
15	7079	7110	7142	7174	7202	7220	7241	7251	7248	7237	7216	7181	7133	7070	6991	6897	6788	6662	6573
20	7280	7336	7406	7485	7579	7688	7802	7935	8013	8002	7981	7944	7888	7813	7726	7624	7505	7368	7228
25	7472	7532	7602	7682	7774	7879	7999	8128	8278	8431	8597	8526	8447	8361	8272	8177	8074	7957	7754
30	7661	7712	7763	7816	7872	7935	8011	8096	8203	8336	8493	8675	8703	8591	8490	8401	8322	8247	7983
35	6634	6754	6920	7119	7348	7592	7809	7822	7873	7961	8080	8229	8396	8405	8268	8169	8104	8069	7780
40	5578	5695	5853	6046	6264	6490	6725	6976	7241	7355	7413	7501	7617	7765	7686	7568	7506	7504	7235
45	4518	4626	4767	4945	5148	5360	5585	5817	6070	6327	6590	6623	6682	6775	6891	6752	6693	6712	6502
50	3352	3456	3600	3784	3992	4207	4424	4639	4863	5091	5341	5612	5659	5704	5834	5825	5763	5814	5649
55	2181	2273	2411	2591	2799	3025	3251	3463	3651	3839	4033	4247	4479	4518	4601	4725	4643	4713	4603
60	1009	1086	1216	1393	1610	1855	2103	2335	2531	2660	2729	2934	3122	3275	3313	3424	3398	3477	3415
65	782	797	825	865	917	979	1034	1249	1487	1665	1782	1846	1936	2033	2067	2091	2114	2172	2169
70	572	580	598	625	666	714	757	789	818	839	986	1090	1094	1054	1041	993	1006	1033	1091
75	362	362	367	382	409	444	478	509	539	562	569	551	549	534	455	411	401	409	448
80	2.69	10.6	23.8	42.6	68.3	102	143	189	244	299	325	329	305	291	265	242	236	250	254
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.8	133	140	119	104	135	144
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.4	0.00

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.500V I:2.1250A P:94.540W PF:1.0000 Freq:50.00Hz Lamp Flux:17847.5x1 lm		
NAME: Sellar 3G Solar Street Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
	SUR.:	

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308	5308				
5	5106	5107	5111	5118	5126	5138	5153	5168	5185	5204	5223	5242	5260	5279	5297				
10	4914	4925	4946	4972	5008	5049	5094	5144	5196	5252	5306	5362	5414	5463	5509				
15	4732	4760	4805	4864	4935	5017	5111	5212	5316	5423	5532	5639	5742	5838	5925				
20	4484	4542	4622	4727	4857	5009	5169	5327	5493	5663	5833	6003	6169	6327	6472				
25	4230	4303	4408	4544	4711	4908	5129	5372	5636	5860	6086	6311	6532	6744	6947				
30	3966	4048	4163	4314	4501	4721	4977	5259	5563	5882	6165	6410	6651	6891	7132				
35	3504	3626	3783	3978	4201	4430	4695	4994	5315	5642	5974	6256	6495	6742	6999				
40	2995	3120	3284	3484	3719	3987	4288	4603	4933	5264	5590	5916	6171	6397	6632				
45	2477	2597	2756	2950	3185	3461	3771	4120	4505	4842	5170	5492	5797	5966	6151				
50	1949	2060	2205	2385	2611	2885	3204	3567	3960	4378	4696	4953	5195	5349	5471				
55	1411	1508	1638	1806	2016	2274	2590	2949	3315	3680	4038	4229	4355	4495	4528				
60	865	943	1052	1198	1384	1610	1896	2224	2538	2815	3067	3273	3273	3321	3300				
65	659	669	689	717	744	888	1126	1408	1676	1873	1983	2059	2074	1988	1923				
70	522	522	536	559	577	584	595	614	832	1021	1060	996	993	908	816				
75	383	374	381	398	411	416	419	425	431	425	475	470	435	405	361				
80	25.4	43.6	68.4	101	139	178	212	237	243	246	246	247	239	226	208				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.9	88.7	96.1	88.7	83.9				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

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: