

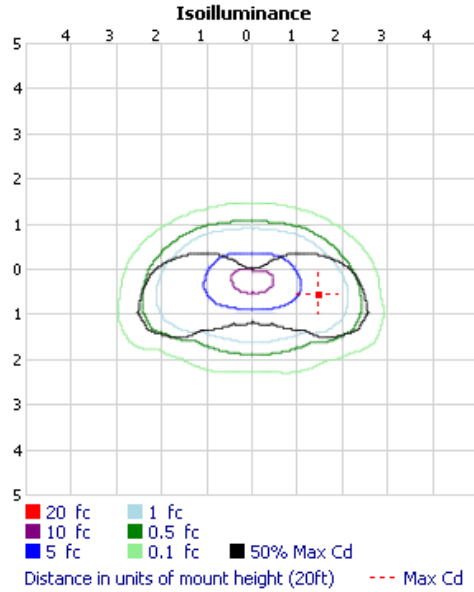
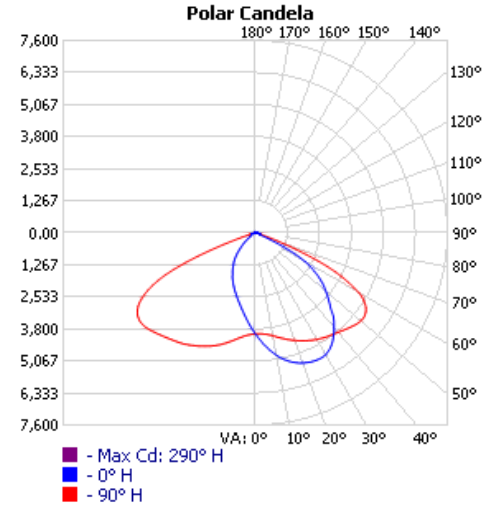


OUTDOOR PHOTOMETRIC REPORT

CATALOG: EL-2301

Manufacturer: SOLAR LIGHTING INTERNATIONAL INC.
 Test #: EL-2301
 Test Lab: SOLAR LIGHTING INTERNATIONAL
 Test Date: 2023-06
 Description: STEALTH II-80-TypeII-S(70X135D)
 Lamp: LED5050
 Lamp Output: 1 lamp, rated Lumens/lamp: 14898
 Input Wattage: 80.1
 Luminous Opening: Rectangle (L: 15.75", W: 47.24")
 Max Cd: 7,566.5 at Horizontal: 290°, Vertical: 57°
 CUTOFF CLASS: Cutoff
 Roadway Class: SHORT, TYPE II
 Efficiency: 100%

No
Photo
Available



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Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,593.9	24.1%	24.1%
0-40	6,299.9	42.3%	42.3%
0-60	12,501.9	83.9%	83.9%
60-90	2,316.0	15.5%	15.5%
70-100	402.3	2.7%	2.7%
90-120	60.8	0.4%	0.4%
0-90	14,817.9	99.5%	99.5%
90-180	78.6	0.5%	0.5%
0-180	14,896.5	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	387.2	2.6%	90-100	33.2	0.2%
10-20	1,196.3	8.0%	100-110	18.8	0.1%
20-30	2,010.4	13.5%	110-120	8.7	0.1%
30-40	2,706.1	18.2%	120-130	5.2	0%
40-50	3,120.0	20.9%	130-140	4.4	0%
50-60	3,082.0	20.7%	140-150	3.5	0%
60-70	1,946.9	13.1%	150-160	2.6	0%
70-80	294.3	2.0%	160-170	1.6	0%
80-90	74.7	0.5%	170-180	0.5	0%

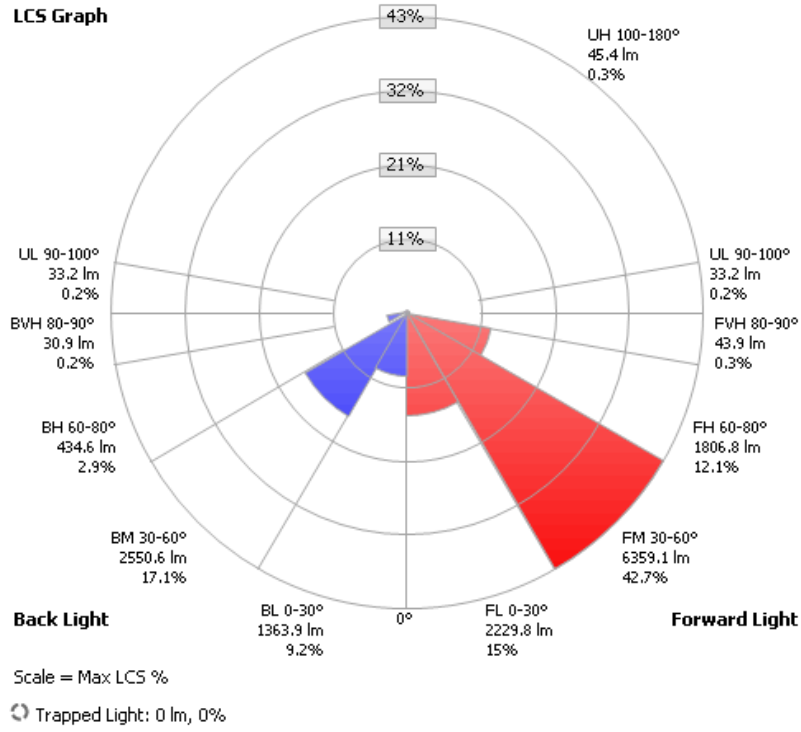
Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE II, SHORT	
Max Cd, 90 Deg Vert:	95.8	
Max Cd, 80 to <90 Deg:	191.7	
	<u>Lumens</u>	<u>% Lamp</u>
Downward Street Side:	10,439.5	70.1%
Downward House Side:	4,379.9	29.4%
Downward Total:	14,819.5	99.5%
Upward Street Side:	47.5	0.3%
Upward House Side:	31.1	0.2%
Upward Total:	78.6	0.5%
Total Lumens:	14,898.1	100%

LCS Table

BUG Rating	B3 - U2 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	2,229.8	15%
Medium(30-60):	6,359.1	42.7%
High(60-80):	1,806.8	12.1%
Very High(80-90):	43.9	0.3%
Back Light		
Low(0-30):	1,363.9	9.2%
Medium(30-60):	2,550.6	17.1%
High(60-80):	434.6	2.9%
Very High(80-90):	30.9	0.2%
Uplight		
Low(90-100):	33.2	0.2%
High(100-180):	45.4	0.3%
Trapped Light:	0.000	0%

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Candela Table - Type C

	0	20	40	60	80	90	110	130	150	170	180	200	220	240	260	280	300	320	340	360
0	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990	3990
5	4477	4448	4371	4249	4094	4013	3847	3692	3575	3514	3507	3544	3649	3802	3985	4152	4298	4403	4462	4477
10	4924	4887	4781	4585	4298	4137	3781	3450	3207	3082	3066	3140	3354	3688	4080	4418	4674	4833	4910	4924
15	5259	5240	5161	4946	4565	4327	3775	3271	2909	2727	2702	2802	3115	3641	4245	4728	5050	5208	5257	5259
20	5468	5481	5462	5267	4829	4522	3806	3138	2660	2431	2400	2523	2920	3635	4411	5023	5383	5502	5488	5468
25	5575	5633	5687	5530	5070	4698	3839	3028	2432	2146	2110	2263	2760	3631	4546	5271	5659	5729	5622	5575
30	5557	5665	5861	5793	5292	4860	3848	2908	2193	1880	1805	2010	2583	3602	4658	5504	5924	5902	5651	5557
35	5298	5512	5943	6043	5496	4993	3824	2743	1937	1590	1521	1707	2377	3530	4731	5754	6218	5992	5488	5298
40	4846	5171	5954	6300	5716	5118	3760	2522	1621	1253	1194	1391	2105	3387	4774	5966	6470	5983	5109	4846
45	4209	4639	5867	6636	6013	5285	3610	2201	1239	886	835	1015	1711	3155	4810	6249	6756	5837	4570	4209
50	3664	3965	5600	7032	6360	5430	3296	1745	810	531	503	628	1241	2765	4716	6560	7048	5481	3876	3664
55	3078	3358	4908	7335	6587	5342	2725	1182	433	280	257	325	714	2139	4331	6762	7297	4724	3256	3078
60	2277	2543	3713	7245	6340	4744	1857	572	252	198	189	214	312	1268	3599	6612	7213	3504	2439	2277
65	814	1373	2149	6274	5043	3148	854	257	202	164	159	167	227	447	2296	5469	6241	1924	1286	814
70	205	303	579	3327	1548	910	246	200	160	174	179	149	177	208	602	2307	3372	462	252	205
75	189	161	154	318	204	247	172	131	139	171	166	145	138	135	242	236	501	152	157	189
80	179	150	91	107	71	114	87	81	94	104	106	104	96	69	147	98	97	93	150	179
85	129	120	62	55	35	45	46	52	58	63	63	66	54	49	55	42	56	63	124	129
90	78	87	44	28	15	20	21	21	29	31	29	37	29	21	17	20	31	46	96	78
95	91	72	35	22	14	17	15	14	19	27	27	29	20	14	12	15	21	34	72	91
100	84	62	27	17	11	13	12	9	11	16	18	20	16	11	9	12	16	26	62	84
105	48	36	21	12	9	11	11	7	8	12	13	14	13	10	7	9	12	21	37	48
110	34	28	12	9	8	10	11	8	6	11	13	13	9	10	8	9	8	14	28	34
115	10	5	7	8	8	10	11	8	4	3	3	4	8	10	9	8	7	6	5	10
120	1	2	5	6	8	10	11	8	5	3	3	4	7	10	8	8	6	4	2	1
125	1	2	4	6	7	9	10	8	5	4	4	5	8	10	8	8	5	3	2	1
130	2	2	3	5	7	9	10	8	6	5	5	5	8	9	8	7	5	3	2	2
135	2	2	3	5	7	8	9	8	6	5	5	6	8	9	8	7	5	4	2	2
140	2	2	3	5	6	7	8	7	6	6	6	6	8	8	7	7	5	4	3	2
145	3	3	3	5	6	7	8	7	6	6	6	7	7	8	7	6	5	4	3	3
150	3	3	3	4	6	7	7	7	7	7	6	7	7	7	6	6	5	4	3	3
155	3	3	4	4	5	6	7	7	7	7	7	7	7	7	6	6	5	4	4	3
160	4	4	4	5	5	6	7	7	7	7	7	7	7	7	6	6	5	4	4	4
165	4	4	4	5	5	6	7	7	7	7	7	7	7	6	6	6	5	5	4	4
170	5	5	5	5	5	6	6	7	7	7	6	6	6	6	6	6	5	5	5	5
175	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5
180	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6