

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P1219818

Luminaire Tested: SEC1HSSOLMBLK-6500K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219818
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC1HSSOLMBLK-6500K
Description: Solar SEL 1000 5CCT Motion 1H BLK-6500K

Light Source:
Ballast/Driver: -

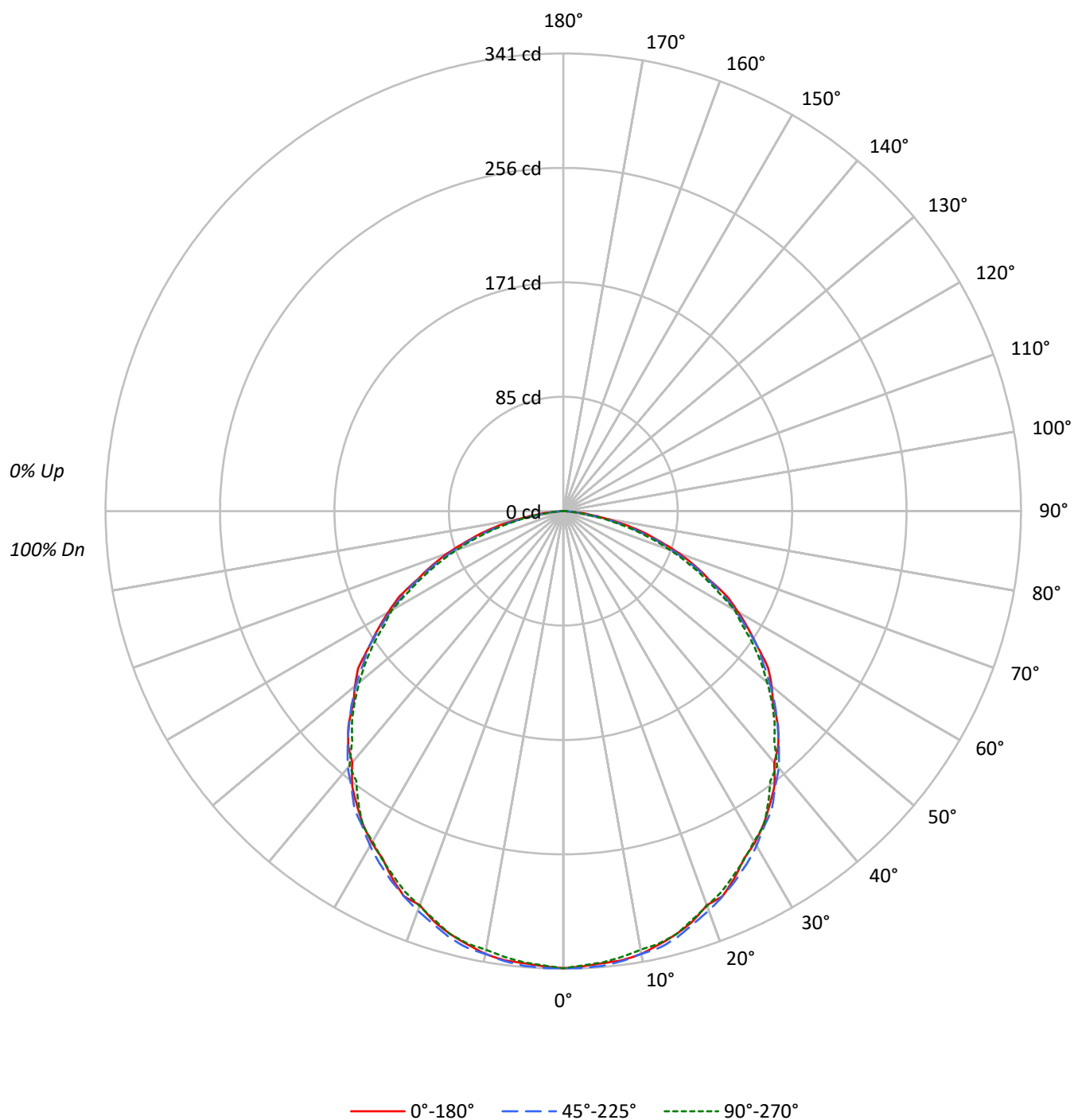
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 950.1 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.27
Total Harmonic Distortion (THDi): <38
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	95	98	95	92		94	91	89		90
2	99	91	84	79	97	89	83	78	86	80	76		82	78	74		79
3	90	80	72	65	88	78	71	65	75	69	64		73	67	63		70
4	83	71	62	55	80	70	61	55	67	60	54		65	59	54		63
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		56
6	70	57	48	42	68	56	48	41	54	47	41		53	46	41		51
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43
9	57	43	35	29	55	43	35	29	41	34	29		40	34	29		39
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34916	34916	34916
5°	34792	34988	34730
10°	34872	34872	34539
15°	34620	34885	34620
20°	34081	34561	34146
25°	34126	34341	33911
30°	33783	34079	33641
35°	33527	33915	33289
40°	32733	33415	33161
45°	32823	32736	32286
50°	32311	32120	31609
55°	31617	31617	30830
60°	30857	30344	30221
65°	28914	28599	27847
70°	27455	26316	25387
75°	24834	22854	21864
80°	19245	17061	15939
85°	11056	8116	7410

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 32836 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	3.4
10°-20°	92.1	9.7
20°-30°	139.2	14.6
30°-40°	167.7	17.6
40°-50°	173.5	18.3
50°-60°	156.4	16.5
60°-70°	116.7	12.3
70°-80°	61.3	6.5
80°-90°	11.0	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	263.4	27.7
0°-40°	431.1	45.4
0°-60°	761.1	80.1
0°-90°	950.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	338	339	340	338	338	32
15°	326	326	329	326	326	92
25°	302	300	304	303	300	139
35°	268	268	271	267	266	167
45°	226	225	226	222	223	174
55°	177	176	177	174	172	159
65°	119	120	118	116	115	120
75°	63	60	58	55	55	65
85°	9	8	7	6	6	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	340.6	340.6	340.6	340.6	340.6
2.5°	339.4	339.4	340.6	338.1	338.7
5°	338.1	339.4	340.0	337.5	337.5
7.5°	337.5	336.2	338.1	337.5	335.0
10°	335.0	333.7	335.0	333.1	331.8
12.5°	330.6	328.7	333.1	331.8	330.0
15°	326.2	326.2	328.7	325.6	326.2
17.5°	320.5	323.1	322.4	319.9	319.3
20°	312.4	314.9	316.8	315.5	313.0
22.5°	310.5	309.3	310.5	309.9	307.4
25°	301.7	299.8	303.6	303.0	299.8
27.5°	291.7	294.8	296.1	293.6	292.3
30°	285.4	286.7	287.9	285.4	284.2
32.5°	277.3	277.3	278.5	275.4	277.9
35°	267.9	268.5	271.0	266.6	266.0
37.5°	258.4	261.0	259.1	255.9	253.4
40°	244.6	249.7	249.7	247.1	247.8
42.5°	237.1	237.7	237.7	235.9	232.7
45°	226.4	225.2	225.8	222.1	222.7
47.5°	212.0	216.4	213.9	211.4	210.8
50°	202.6	203.2	201.4	198.2	198.2
52.5°	192.6	190.1	188.2	186.3	185.7
55°	176.9	176.3	176.9	173.8	172.5
57.5°	163.7	163.7	161.8	158.7	158.1
60°	150.5	149.9	148.0	144.9	147.4
62.5°	137.4	134.2	133.6	129.8	129.8
65°	119.2	120.4	117.9	116.0	114.8
67.5°	106.0	106.0	103.5	100.4	99.7
70°	91.6	90.3	87.8	85.3	84.7
72.5°	75.9	75.3	72.8	70.3	69.6
75°	62.7	60.2	57.7	55.2	55.2
77.5°	47.7	45.8	42.7	40.8	40.1
80°	32.6	31.4	28.9	27.6	27.0
82.5°	20.1	18.8	16.3	15.1	14.4
85°	9.4	8.2	6.9	6.3	6.3
87.5°	1.9	1.9	1.9	1.3	1.9
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	24.3	25.9	24.6	26.2	26.5	24.1	25.7	24.4	26.0	26.3
	3H	26.0	27.5	26.4	27.8	28.2	25.7	27.2	26.1	27.5	27.9
	4H	26.7	28.0	27.1	28.4	28.8	26.3	27.7	26.7	28.0	28.4
	6H	27.0	28.3	27.5	28.7	29.1	26.6	27.9	27.0	28.2	28.6
	8H	27.1	28.4	27.6	28.7	29.1	26.6	27.9	27.1	28.3	28.7
	12H	27.2	28.3	27.6	28.7	29.2	26.6	27.8	27.1	28.2	28.6
4H	2H	24.9	26.3	25.3	26.6	27.0	24.7	26.1	25.1	26.4	26.8
	3H	26.8	28.0	27.3	28.4	28.8	26.6	27.7	27.0	28.1	28.5
	4H	27.6	28.6	28.0	29.0	29.5	27.2	28.3	27.7	28.7	29.1
	6H	28.1	29.0	28.5	29.4	29.9	27.6	28.5	28.1	29.0	29.4
	8H	28.2	29.0	28.6	29.5	29.9	27.7	28.5	28.2	29.0	29.5
	12H	28.2	29.0	28.7	29.5	29.9	27.7	28.5	28.2	29.0	29.4
8H	4H	27.8	28.7	28.3	29.1	29.6	27.5	28.4	28.0	28.8	29.3
	6H	28.4	29.1	28.9	29.6	30.0	28.0	28.7	28.5	29.2	29.6
	8H	28.5	29.2	29.0	29.7	30.2	28.1	28.7	28.6	29.2	29.7
	12H	28.6	29.2	29.1	29.7	30.2	28.1	28.7	28.6	29.2	29.7
12H	4H	27.8	28.6	28.3	29.1	29.5	27.5	28.3	28.0	28.8	29.2
	6H	28.4	29.0	28.9	29.5	30.0	28.0	28.6	28.5	29.1	29.6
	8H	28.6	29.1	29.1	29.6	30.2	28.1	28.7	28.6	29.2	29.7

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