

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: P1219820

Luminaire Tested: SEC1HSSOLMWH-3000K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219820
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC1HSSOLMWH-3000K
Description: Solar SEL 1000 5CCT Motion 1H WH-3000K

Light Source:
Ballast/Driver: -

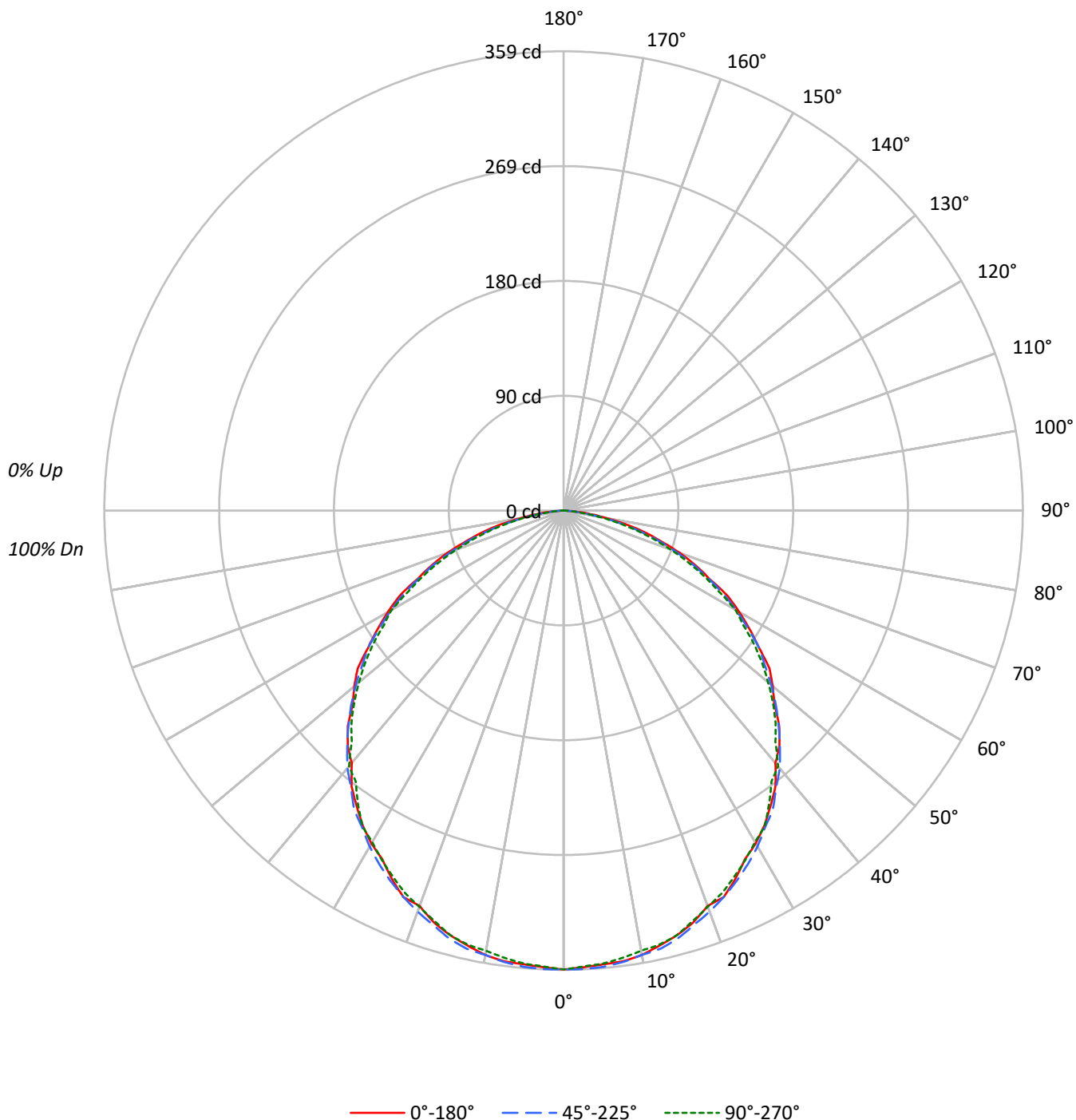
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1000.5 lumens
Efficiency: N/A
Efficacy: 125.1 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 (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.9
Total Harmonic Distortion (THDi): <20
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°	36772	36772	36772
5°	36634	36840	36572
10°	36714	36714	36371
15°	36456	36732	36456
20°	35881	36393	35957
25°	35935	36162	35709
30°	35571	35891	35417
35°	35291	35704	35053
40°	34473	35182	34914
45°	34577	34475	33997
50°	34034	33810	33284
55°	33297	33297	32457
60°	32497	31964	31820
65°	30442	30127	29326
70°	28894	27725	26736
75°	26181	24082	23012
80°	20249	17947	16766
85°	11644	8586	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 34581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	3.4
10°-20°	97.0	9.7
20°-30°	146.5	14.6
30°-40°	176.6	17.6
40°-50°	182.7	18.3
50°-60°	164.7	16.5
60°-70°	122.9	12.3
70°-80°	64.6	6.5
80°-90°	11.6	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°	277.4	27.7
0°-40°	453.9	45.4
0°-60°	801.4	80.1
0°-90°	1000.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	359	359	359	359	359	
5°	356	357	358	355	355	34
15°	344	344	346	343	344	97
25°	318	316	320	319	316	146
35°	282	283	285	281	280	176
45°	238	237	238	234	234	183
55°	186	186	186	183	182	167
65°	126	127	124	122	121	126
75°	66	63	61	58	58	69
85°	10	9	7	7	7	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	358.7	358.7	358.7	358.7	358.7
2.5°	357.3	357.3	358.7	356.0	356.7
5°	356.0	357.3	358.0	355.4	355.4
7.5°	355.4	354.0	356.0	355.4	352.7
10°	352.7	351.4	352.7	350.7	349.4
12.5°	348.1	346.1	350.7	349.4	347.4
15°	343.5	343.5	346.1	342.8	343.5
17.5°	337.5	340.2	339.5	336.9	336.2
20°	328.9	331.6	333.6	332.2	329.6
22.5°	327.0	325.6	327.0	326.3	323.7
25°	317.7	315.7	319.7	319.0	315.7
27.5°	307.1	310.4	311.8	309.1	307.8
30°	300.5	301.9	303.2	300.5	299.2
32.5°	292.0	292.0	293.3	290.0	292.6
35°	282.0	282.7	285.3	280.7	280.1
37.5°	272.1	274.8	272.8	269.5	266.9
40°	257.6	262.9	262.9	260.2	260.9
42.5°	249.7	250.3	250.3	248.4	245.1
45°	238.5	237.1	237.8	233.8	234.5
47.5°	223.3	227.9	225.2	222.6	221.9
50°	213.4	214.0	212.0	208.7	208.7
52.5°	202.8	200.1	198.2	196.2	195.5
55°	186.3	185.6	186.3	183.0	181.6
57.5°	172.4	172.4	170.4	167.1	166.5
60°	158.5	157.9	155.9	152.6	155.2
62.5°	144.7	141.4	140.7	136.7	136.7
65°	125.5	126.8	124.2	122.2	120.9
67.5°	111.6	111.6	109.0	105.7	105.0
70°	96.4	95.1	92.5	89.8	89.2
72.5°	79.9	79.3	76.6	74.0	73.3
75°	66.1	63.4	60.8	58.1	58.1
77.5°	50.2	48.2	44.9	42.9	42.3
80°	34.3	33.0	30.4	29.1	28.4
82.5°	21.1	19.8	17.2	15.9	15.2
85°	9.9	8.6	7.3	6.6	6.6
87.5°	2.0	2.0	2.0	1.3	2.0
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	24.5	26.1	24.8	26.4	26.7	24.2	25.9	24.6	26.2	26.5
	3H	26.2	27.7	26.6	28.0	28.4	25.9	27.4	26.3	27.7	28.1
	4H	26.8	28.2	27.2	28.6	28.9	26.5	27.8	26.9	28.2	28.6
	6H	27.2	28.5	27.6	28.9	29.3	26.8	28.1	27.2	28.4	28.8
	8H	27.3	28.5	27.7	28.9	29.3	26.8	28.0	27.2	28.4	28.8
	12H	27.3	28.5	27.8	28.9	29.3	26.8	28.0	27.3	28.4	28.8
4H	2H	25.1	26.4	25.5	26.8	27.2	24.9	26.3	25.3	26.6	27.0
	3H	27.0	28.2	27.4	28.6	29.0	26.8	27.9	27.2	28.3	28.7
	4H	27.8	28.8	28.2	29.2	29.6	27.4	28.5	27.8	28.9	29.3
	6H	28.2	29.2	28.7	29.6	30.1	27.8	28.7	28.3	29.2	29.6
	8H	28.4	29.2	28.8	29.7	30.1	27.9	28.7	28.3	29.2	29.6
	12H	28.4	29.2	28.9	29.7	30.1	27.9	28.7	28.4	29.1	29.6
8H	4H	28.0	28.8	28.4	29.3	29.7	27.7	28.5	28.1	29.0	29.4
	6H	28.6	29.3	29.1	29.8	30.2	28.1	28.9	28.6	29.3	29.8
	8H	28.7	29.3	29.2	29.9	30.3	28.2	28.9	28.8	29.4	29.9
	12H	28.8	29.4	29.3	29.8	30.4	28.3	28.9	28.8	29.3	29.9
12H	4H	28.0	28.8	28.5	29.2	29.7	27.7	28.5	28.2	28.9	29.4
	6H	28.6	29.2	29.1	29.7	30.2	28.2	28.8	28.7	29.3	29.8
	8H	28.8	29.3	29.3	29.8	30.4	28.3	28.9	28.8	29.4	29.9

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