

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: P1219823

Luminaire Tested: SEC1HSSOLMWH-6500K

Issue Date: 1/8/2026

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-2019
Report Number: P1219823
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC1HSSOLMWH-6500K
Description: Solar SEL 1000 5CCT Motion 1H WH-6500K

Light Source:
Ballast/Driver: -

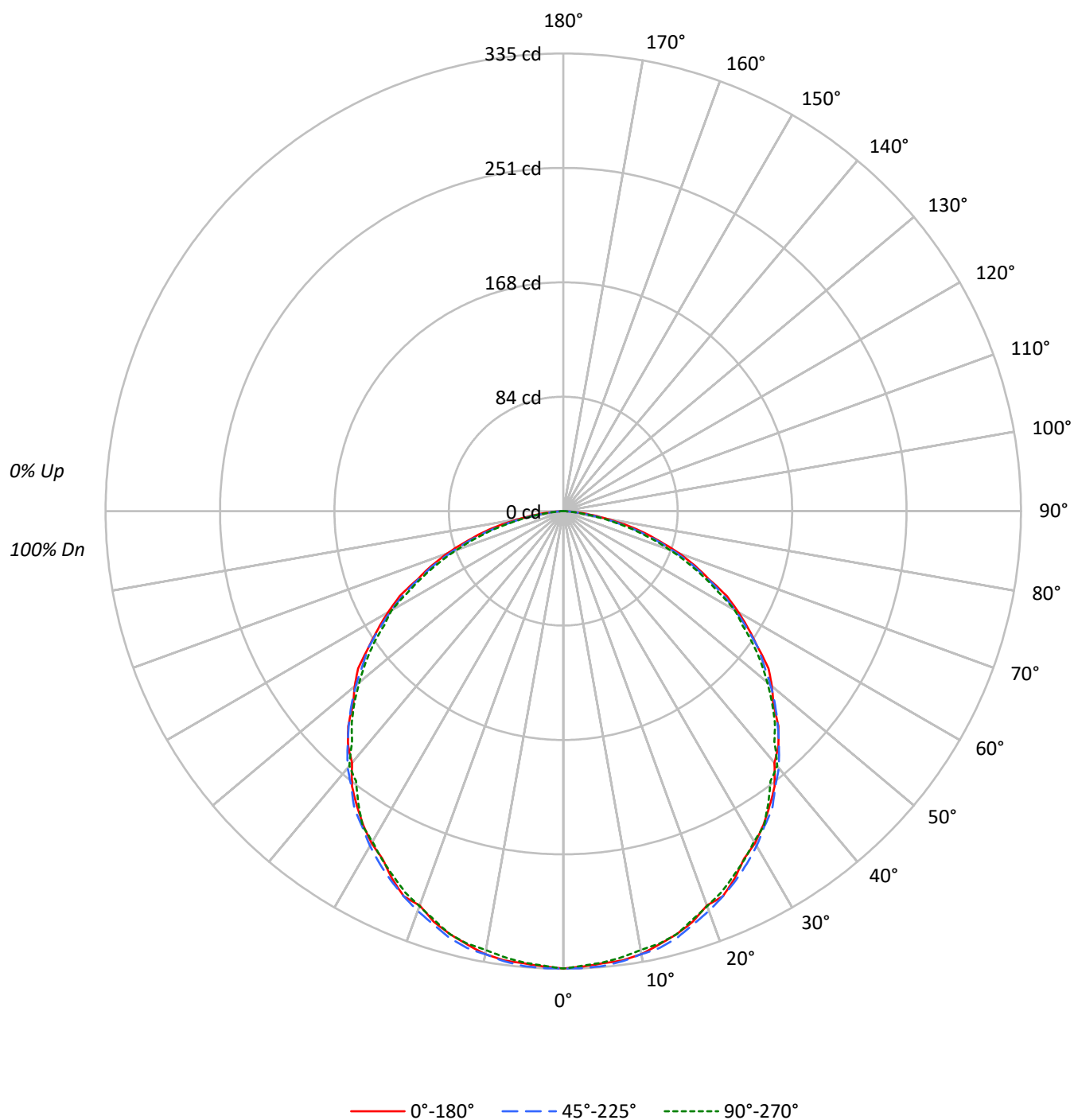
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 933.9 lumens
Efficiency: N/A
Efficacy: 116.7 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: >0.24
Total Harmonic Distortion (THDi): <35
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1219823
CATALOG NUMBER: SEC1HSSOLMWH-6500K

Luminous Intensity Polar Plot



TEST NUMBER: P1219823

CATALOG NUMBER: SEC1HSSOLMWH-6500K

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°	34322	34322	34322
5°	34195	34391	34134
10°	34278	34278	33956
15°	34025	34291	34025
20°	33502	33971	33568
25°	33549	33752	33334
30°	33215	33499	33061
35°	32951	33339	32713
40°	32184	32840	32599
45°	32272	32185	31735
50°	31769	31562	31067
55°	31081	31081	30312
60°	30344	29831	29708
65°	28429	28114	27362
70°	26976	25867	24937
75°	24438	22458	21507
80°	18950	16766	15644
85°	10821	7998	7293

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 32275 cd/sqm

TEST NUMBER: P1219823

CATALOG NUMBER: SEC1HSSOLMWH-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	3.4
10°-20°	90.5	9.7
20°-30°	136.8	14.6
30°-40°	164.8	17.6
40°-50°	170.6	18.3
50°-60°	153.8	16.5
60°-70°	114.7	12.3
70°-80°	60.3	6.5
80°-90°	10.8	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°	258.9	27.7
0°-40°	423.8	45.4
0°-60°	748.1	80.1
0°-90°	933.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	335	335	335	335	335	
5°	332	334	334	332	332	32
15°	321	321	323	320	321	90
25°	297	295	298	298	295	136
35°	263	264	266	262	261	164
45°	223	221	222	218	219	171
55°	174	173	174	171	170	156
65°	117	118	116	114	113	118
75°	62	59	57	54	54	64
85°	9	8	7	6	6	13
90°	0	0	0	0	0	

TEST NUMBER: P1219823

CATALOG NUMBER: SEC1HSSOLMWH-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	334.8	334.8	334.8	334.8	334.8
2.5°	333.6	333.6	334.8	332.3	333.0
5°	332.3	333.6	334.2	331.7	331.7
7.5°	331.7	330.5	332.3	331.7	329.3
10°	329.3	328.0	329.3	327.4	326.2
12.5°	324.9	323.1	327.4	326.2	324.3
15°	320.6	320.6	323.1	320.0	320.6
17.5°	315.1	317.5	316.9	314.5	313.8
20°	307.1	309.5	311.4	310.1	307.7
22.5°	305.2	304.0	305.2	304.6	302.1
25°	296.6	294.7	298.4	297.8	294.7
27.5°	286.7	289.8	291.0	288.6	287.3
30°	280.6	281.8	283.0	280.6	279.3
32.5°	272.5	272.5	273.8	270.7	273.2
35°	263.3	263.9	266.4	262.1	261.4
37.5°	254.0	256.5	254.7	251.6	249.1
40°	240.5	245.4	245.4	242.9	243.6
42.5°	233.1	233.7	233.7	231.8	228.8
45°	222.6	221.4	222.0	218.3	218.9
47.5°	208.4	212.7	210.3	207.8	207.2
50°	199.2	199.8	197.9	194.8	194.8
52.5°	189.3	186.8	185.0	183.1	182.5
55°	173.9	173.3	173.9	170.8	169.6
57.5°	160.9	160.9	159.1	156.0	155.4
60°	148.0	147.4	145.5	142.4	144.9
62.5°	135.0	132.0	131.3	127.6	127.6
65°	117.2	118.4	115.9	114.1	112.8
67.5°	104.2	104.2	101.7	98.7	98.0
70°	90.0	88.8	86.3	83.9	83.2
72.5°	74.6	74.0	71.5	69.1	68.4
75°	61.7	59.2	56.7	54.3	54.3
77.5°	46.9	45.0	41.9	40.1	39.5
80°	32.1	30.8	28.4	27.1	26.5
82.5°	19.7	18.5	16.0	14.8	14.2
85°	9.2	8.0	6.8	6.2	6.2
87.5°	1.8	1.8	1.8	1.2	1.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219823

CATALOG NUMBER: SEC1HSSOLMWH-6500K

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	24.2	25.9	24.6	26.2	26.5	24.0	25.6	24.4	25.9	26.3
	3H	26.0	27.5	26.4	27.8	28.1	25.7	27.1	26.1	27.5	27.8
	4H	26.6	28.0	27.0	28.3	28.7	26.2	27.6	26.6	28.0	28.3
	6H	27.0	28.3	27.4	28.6	29.0	26.5	27.8	26.9	28.2	28.6
	8H	27.1	28.3	27.5	28.7	29.1	26.6	27.8	27.0	28.2	28.6
	12H	27.1	28.3	27.5	28.7	29.1	26.6	27.8	27.0	28.1	28.6
4H	2H	24.8	26.2	25.2	26.6	26.9	24.6	26.0	25.0	26.4	26.8
	3H	26.8	27.9	27.2	28.3	28.7	26.5	27.7	26.9	28.1	28.5
	4H	27.5	28.6	27.9	29.0	29.4	27.2	28.2	27.6	28.6	29.1
	6H	28.0	28.9	28.5	29.4	29.8	27.6	28.5	28.0	28.9	29.4
	8H	28.1	29.0	28.6	29.4	29.9	27.6	28.5	28.1	28.9	29.4
	12H	28.2	28.9	28.7	29.4	29.9	27.7	28.4	28.1	28.9	29.4
8H	4H	27.7	28.6	28.2	29.0	29.5	27.4	28.3	27.9	28.7	29.2
	6H	28.3	29.0	28.8	29.5	30.0	27.9	28.6	28.4	29.1	29.6
	8H	28.5	29.1	29.0	29.6	30.1	28.0	28.6	28.5	29.1	29.6
	12H	28.6	29.1	29.1	29.6	30.2	28.1	28.6	28.6	29.1	29.7
12H	4H	27.8	28.5	28.2	29.0	29.5	27.5	28.2	27.9	28.7	29.2
	6H	28.3	29.0	28.9	29.4	30.0	27.9	28.6	28.5	29.0	29.6
	8H	28.5	29.1	29.0	29.6	30.1	28.1	28.6	28.6	29.1	29.7

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



(END OF REPORT)