

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: P1219843

Luminaire Tested: SEC3HSSOLMWH-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: P1219843
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSSOLMWH-6500K
Description: Solar SEL 2000 5CCT Motion 3H WH-6500K

Light Source:
Ballast/Driver: -

Summary

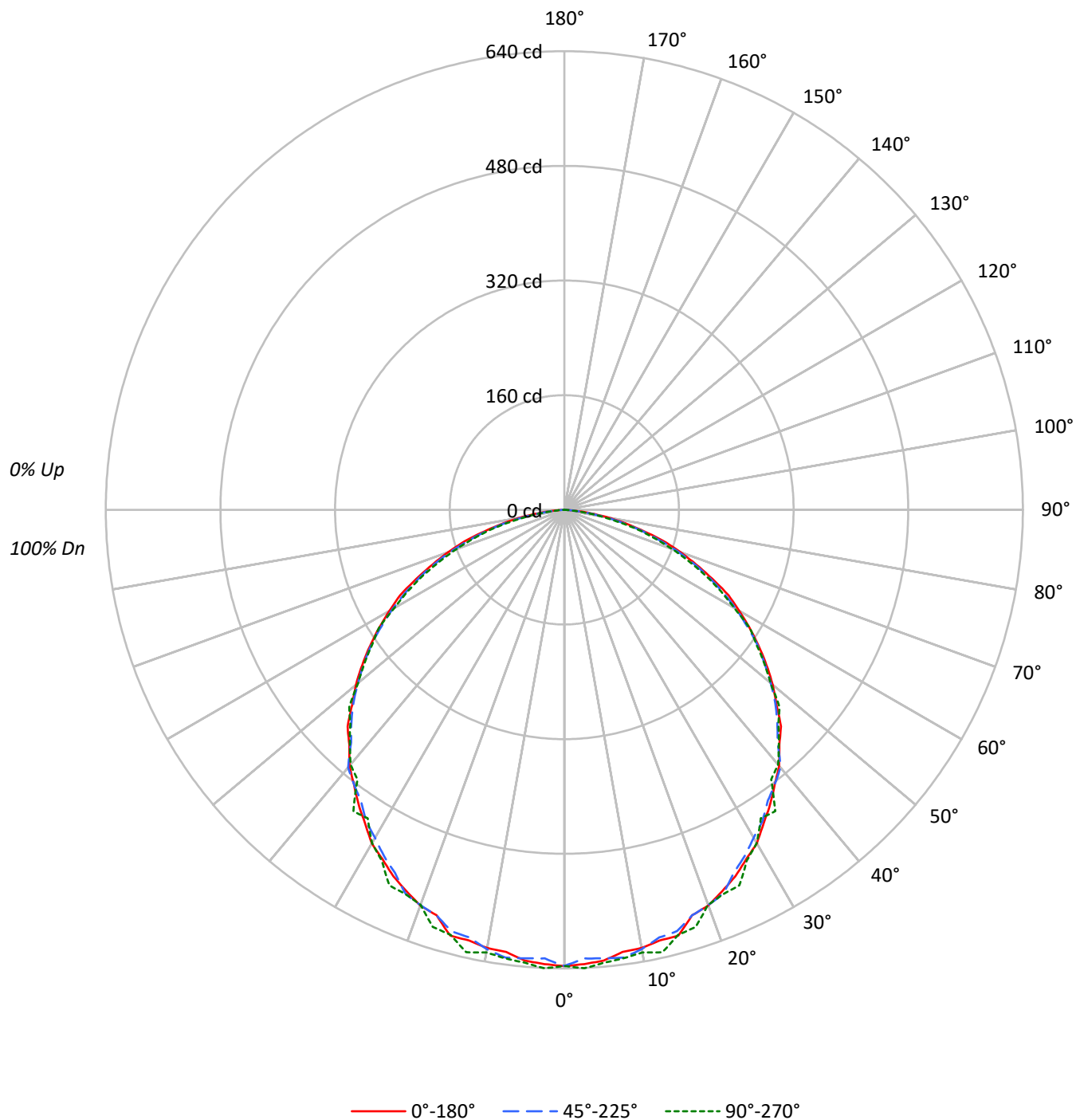
Lumens per Lamp: N/A
Luminaire Lumens: 1786.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.26
Total Harmonic Distortion (THDi): <37
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1219843

CATALOG NUMBER: SEC3HSSOLMWH-6500K

Luminous Intensity Polar Plot



TEST NUMBER: P1219843

CATALOG NUMBER: SEC3HSSOLMWH-6500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76		82	78	74		79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		46	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32		44	37	32		43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25379	25379	25379
5°	25264	25140	25392
10°	25131	25196	25386
15°	25383	25119	25337
20°	24925	24903	24882
25°	24822	24593	25429
30°	24739	24329	24715
35°	24387	24100	24976
40°	24262	24428	24153
45°	24114	23702	23820
50°	23549	23326	23289
55°	23020	22874	22728
60°	22453	22038	21823
65°	21489	20998	20545
70°	20037	19431	18685
75°	17714	16974	16327
80°	14280	12466	11755
85°	7730	6038	5077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24114 cd/sqm

TEST NUMBER: P1219843

CATALOG NUMBER: SEC3HSSOLMWH-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	3.4
10°-20°	172.0	9.6
20°-30°	260.4	14.6
30°-40°	313.2	17.5
40°-50°	326.6	18.3
50°-60°	295.0	16.5
60°-70°	221.3	12.4
70°-80°	116.3	6.5
80°-90°	21.0	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°	492.6	27.6
0°-40°	805.8	45.1
0°-60°	1427.4	79.9
0°-90°	1786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	631	630	628	639	634	60
15°	615	612	609	616	614	172
25°	564	569	559	571	578	260
35°	501	501	495	507	513	314
45°	428	425	420	424	422	327
55°	331	335	329	329	327	296
65°	228	229	223	226	218	226
75°	115	113	110	104	106	122
85°	17	16	13	12	11	24
90°	0	0	0	0	0	

TEST NUMBER: P1219843

CATALOG NUMBER: SEC3HSSOLMWH-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	636.6	636.6	636.6	636.6	636.6
2.5°	634.5	637.7	626.6	635.5	640.3
5°	631.3	629.7	628.2	638.7	634.5
7.5°	622.4	630.8	630.3	629.7	631.3
10°	620.8	625.5	622.4	628.7	627.1
12.5°	615.5	620.2	611.3	619.2	632.4
15°	615.0	612.3	608.6	615.5	613.9
17.5°	593.3	589.1	593.3	601.8	610.2
20°	587.5	590.7	587.0	594.4	586.5
22.5°	575.9	578.6	579.6	578.6	580.2
25°	564.3	568.6	559.1	571.2	578.1
27.5°	549.6	549.0	544.8	551.7	551.7
30°	537.4	536.4	528.5	535.9	536.9
32.5°	517.9	514.2	514.8	514.2	510.5
35°	501.1	501.1	495.2	506.9	513.2
37.5°	482.6	483.6	482.6	483.6	474.2
40°	466.2	465.7	469.4	465.2	464.1
42.5°	444.1	446.2	440.4	446.2	443.0
45°	427.7	425.1	420.4	423.5	422.5
47.5°	401.4	399.3	399.3	402.4	407.2
50°	379.7	384.5	376.1	378.2	375.5
52.5°	355.5	355.5	352.3	356.0	351.8
55°	331.2	334.9	329.1	329.1	327.0
57.5°	306.4	309.1	302.7	304.8	307.0
60°	281.6	279.0	276.4	275.8	273.7
62.5°	258.4	256.3	250.0	249.5	246.3
65°	227.8	229.4	222.6	225.7	217.8
67.5°	198.8	198.3	194.6	193.0	188.8
70°	171.9	173.0	166.7	165.1	160.3
72.5°	145.0	143.5	137.1	134.5	131.9
75°	115.0	113.4	110.2	104.4	106.0
77.5°	87.6	85.4	83.3	77.0	75.4
80°	62.2	59.6	54.3	51.7	51.2
82.5°	37.4	35.9	32.2	29.0	27.4
85°	16.9	16.4	13.2	11.6	11.1
87.5°	4.2	3.7	3.2	3.2	2.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219843

CATALOG NUMBER: SEC3HSSOLMWH-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	23.2	24.8	23.6	25.2	25.5	23.1	24.8	23.5	25.1	25.4
	3H	25.0	26.4	25.3	26.8	27.1	24.8	26.3	25.2	26.6	26.9
	4H	25.6	27.0	26.0	27.3	27.7	25.3	26.7	25.7	27.1	27.4
	6H	26.0	27.2	26.4	27.6	28.0	25.6	26.9	26.0	27.3	27.7
	8H	26.0	27.3	26.5	27.7	28.1	25.7	26.9	26.1	27.3	27.7
	12H	26.1	27.2	26.5	27.6	28.1	25.7	26.8	26.1	27.2	27.7
4H	2H	23.8	25.2	24.2	25.5	25.9	23.7	25.1	24.1	25.5	25.9
	3H	25.8	26.9	26.2	27.3	27.7	25.6	26.8	26.0	27.2	27.6
	4H	26.5	27.5	26.9	28.0	28.4	26.3	27.3	26.7	27.7	28.1
	6H	27.0	27.9	27.4	28.3	28.8	26.6	27.6	27.1	28.0	28.4
	8H	27.1	28.0	27.6	28.4	28.9	26.7	27.6	27.2	28.0	28.5
	12H	27.2	27.9	27.6	28.4	28.9	26.7	27.5	27.2	28.0	28.4
8H	4H	26.7	27.6	27.2	28.0	28.5	26.5	27.4	27.0	27.8	28.3
	6H	27.3	28.0	27.8	28.5	29.0	27.0	27.7	27.5	28.2	28.6
	8H	27.5	28.1	28.0	28.6	29.1	27.1	27.7	27.6	28.2	28.7
	12H	27.5	28.1	28.1	28.6	29.2	27.1	27.7	27.6	28.2	28.7
12H	4H	26.8	27.5	27.2	28.0	28.5	26.5	27.3	27.0	27.8	28.3
	6H	27.3	28.0	27.8	28.4	29.0	27.0	27.7	27.5	28.1	28.6
	8H	27.5	28.1	28.0	28.6	29.1	27.1	27.7	27.6	28.2	28.7

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)