

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: P1219852

Luminaire Tested: SECHSBATMWH-5000k

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: P1219852
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-5000k
Description: BAT SEL 800 Motion 1H WH at 5000K

Light Source:
Ballast/Driver: -

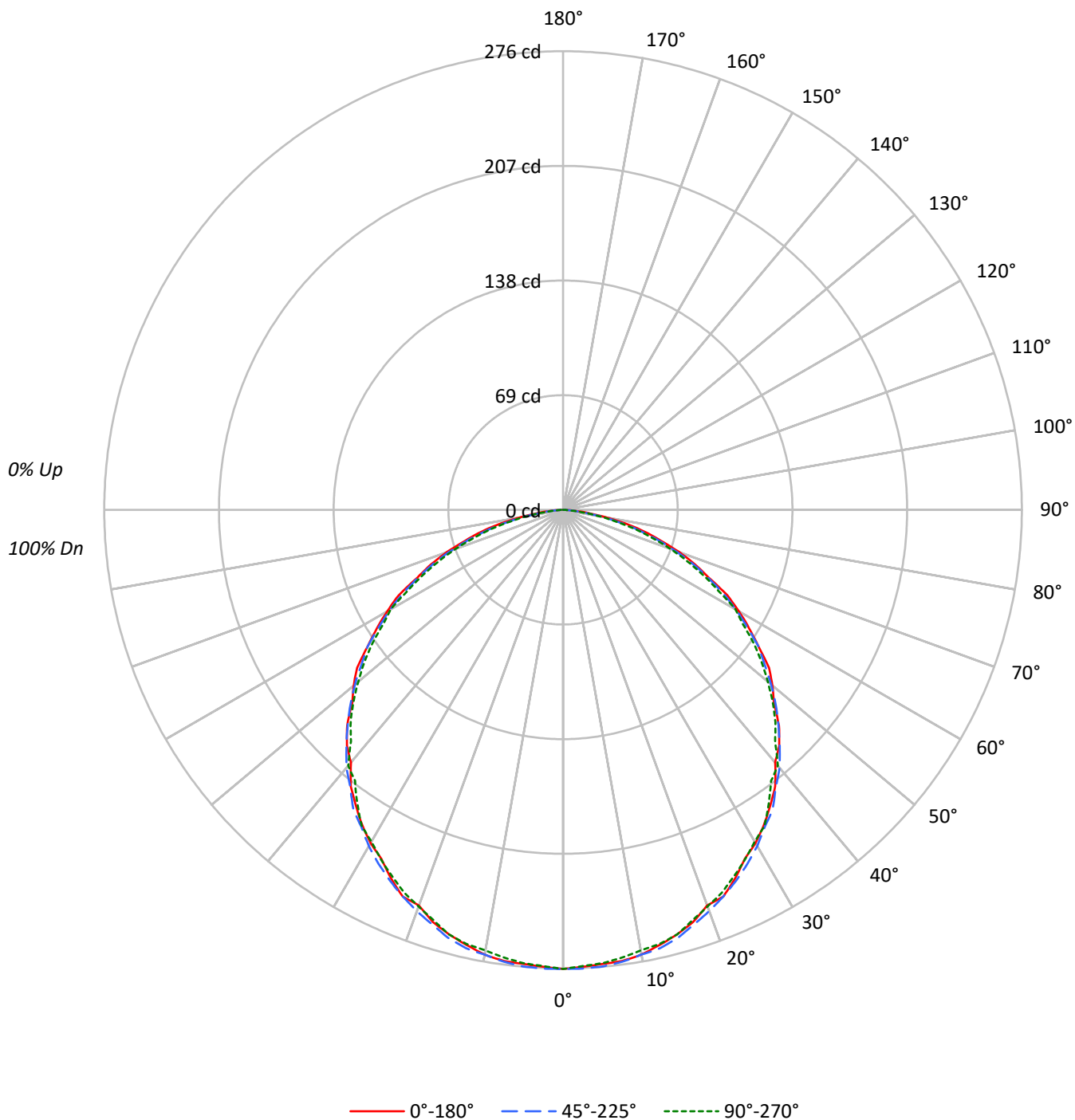
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 770.8 lumens
Efficiency: N/A
Efficacy: 113.4 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): 6.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.18
Total Harmonic Distortion (THDi): <29
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1219852
CATALOG NUMBER: SECHSBATMWH-5000k

Luminous Intensity Polar Plot



TEST NUMBER: P1219852

CATALOG NUMBER: SECHSBATMWH-5000k

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°	28324	28324	28324
5°	28227	28381	28175
10°	28293	28293	28022
15°	28082	28305	28082
20°	27644	28037	27710
25°	27690	27859	27520
30°	27415	27652	27285
35°	27194	27520	27006
40°	26564	27112	26898
45°	26632	26560	26197
50°	26219	26059	25645
55°	25647	25647	25022
60°	25034	24624	24521
65°	23456	23214	22583
70°	22270	21371	20591
75°	20161	18537	17744
80°	15644	13814	12929
85°	8939	6587	5999

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 26645 cd/sqm

TEST NUMBER: P1219852

CATALOG NUMBER: SECHSBATMWH-5000k

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	3.4
10°-20°	74.7	9.7
20°-30°	112.9	14.6
30°-40°	136.0	17.6
40°-50°	140.8	18.3
50°-60°	126.9	16.5
60°-70°	94.7	12.3
70°-80°	49.8	6.5
80°-90°	8.9	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°	213.7	27.7
0°-40°	349.8	45.4
0°-60°	617.5	80.1
0°-90°	770.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	276	276	276	276	276	
5°	274	275	276	274	274	26
15°	265	265	267	264	265	75
25°	245	243	246	246	243	113
35°	217	218	220	216	216	136
45°	184	183	183	180	181	141
55°	144	143	144	141	140	129
65°	97	98	96	94	93	97
75°	51	49	47	45	45	53
85°	8	7	6	5	5	11
90°	0	0	0	0	0	

TEST NUMBER: P1219852

CATALOG NUMBER: SECHSBATMWH-5000k

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	276.3	276.3	276.3	276.3	276.3
2.5°	275.3	275.3	276.3	274.3	274.8
5°	274.3	275.3	275.8	273.8	273.8
7.5°	273.8	272.8	274.3	273.8	271.8
10°	271.8	270.8	271.8	270.2	269.2
12.5°	268.2	266.7	270.2	269.2	267.7
15°	264.6	264.6	266.7	264.1	264.6
17.5°	260.1	262.1	261.6	259.6	259.0
20°	253.4	255.5	257.0	256.0	254.0
22.5°	251.9	250.9	251.9	251.4	249.4
25°	244.8	243.3	246.3	245.8	243.3
27.5°	236.7	239.2	240.2	238.2	237.2
30°	231.6	232.6	233.6	231.6	230.5
32.5°	224.9	224.9	226.0	223.4	225.5
35°	217.3	217.8	219.9	216.3	215.8
37.5°	209.7	211.7	210.2	207.6	205.6
40°	198.5	202.6	202.6	200.5	201.0
42.5°	192.4	192.9	192.9	191.4	188.8
45°	183.7	182.7	183.2	180.2	180.7
47.5°	172.0	175.6	173.5	171.5	171.0
50°	164.4	164.9	163.4	160.8	160.8
52.5°	156.2	154.2	152.7	151.2	150.6
55°	143.5	143.0	143.5	141.0	140.0
57.5°	132.8	132.8	131.3	128.8	128.3
60°	122.1	121.6	120.1	117.6	119.6
62.5°	111.5	108.9	108.4	105.3	105.3
65°	96.7	97.7	95.7	94.2	93.1
67.5°	86.0	86.0	84.0	81.4	80.9
70°	74.3	73.3	71.3	69.2	68.7
72.5°	61.6	61.1	59.0	57.0	56.5
75°	50.9	48.9	46.8	44.8	44.8
77.5°	38.7	37.2	34.6	33.1	32.6
80°	26.5	25.4	23.4	22.4	21.9
82.5°	16.3	15.3	13.2	12.2	11.7
85°	7.6	6.6	5.6	5.1	5.1
87.5°	1.5	1.5	1.5	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219852

CATALOG NUMBER: SECHSBATMWH-5000k

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	23.6	25.2	23.9	25.5	25.8	23.3	25.0	23.7	25.3	25.6
	3H	25.3	26.8	25.7	27.1	27.5	25.0	26.5	25.4	26.8	27.2
	4H	25.9	27.3	26.3	27.7	28.0	25.6	26.9	26.0	27.3	27.7
	6H	26.3	27.6	26.7	28.0	28.4	25.9	27.2	26.3	27.5	27.9
	8H	26.4	27.6	26.8	28.0	28.4	25.9	27.1	26.3	27.5	27.9
	12H	26.4	27.6	26.9	28.0	28.4	25.9	27.1	26.4	27.5	27.9
4H	2H	24.2	25.5	24.6	25.9	26.3	24.0	25.4	24.4	25.7	26.1
	3H	26.1	27.3	26.5	27.7	28.1	25.9	27.0	26.3	27.4	27.8
	4H	26.8	27.9	27.3	28.3	28.7	26.5	27.5	26.9	28.0	28.4
	6H	27.3	28.3	27.8	28.7	29.1	26.9	27.8	27.4	28.3	28.7
	8H	27.5	28.3	27.9	28.7	29.2	27.0	27.8	27.4	28.3	28.7
	12H	27.5	28.3	28.0	28.7	29.2	27.0	27.8	27.5	28.2	28.7
8H	4H	27.1	27.9	27.5	28.4	28.8	26.8	27.6	27.2	28.1	28.5
	6H	27.7	28.4	28.1	28.8	29.3	27.2	27.9	27.7	28.4	28.9
	8H	27.8	28.4	28.3	28.9	29.4	27.3	28.0	27.9	28.5	29.0
	12H	27.9	28.5	28.4	28.9	29.5	27.4	27.9	27.9	28.4	29.0
12H	4H	27.1	27.9	27.6	28.3	28.8	26.8	27.6	27.3	28.0	28.5
	6H	27.7	28.3	28.2	28.8	29.3	27.3	27.9	27.8	28.4	28.9
	8H	27.9	28.4	28.4	28.9	29.5	27.4	28.0	27.9	28.4	29.0

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)