

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: P1219860

Luminaire Tested: SECHSBATMWH-3000k

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: P1219860
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-3000k
Description: BAT SEL 1200 Motion 2H WH at 3000K

Light Source:
Ballast/Driver: -

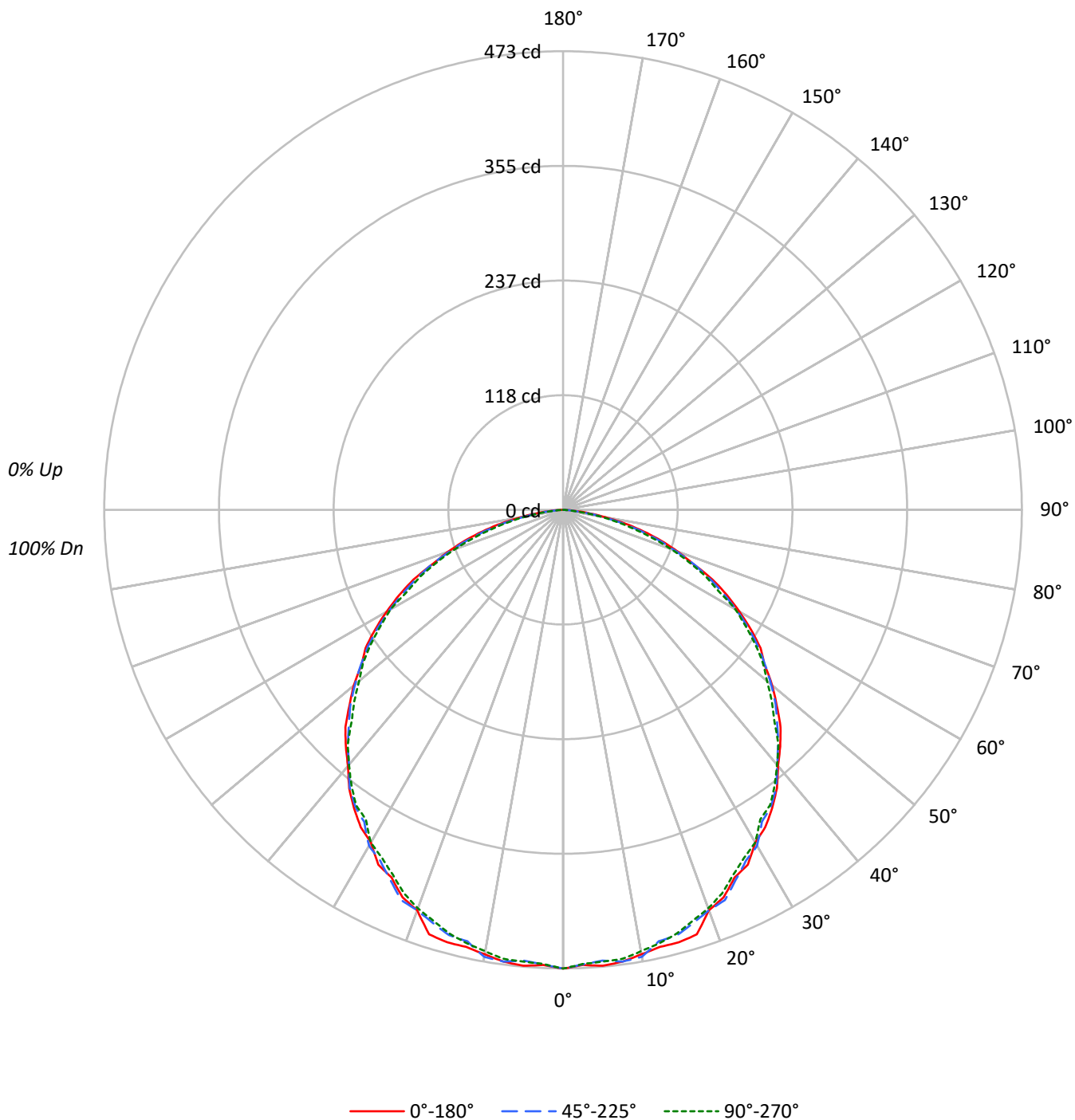
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1318.9 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V): 120
Input Current (A_{in}): 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

TEST NUMBER: P1219860
CATALOG NUMBER: SECHSBATMWH-3000k

Luminous Intensity Polar Plot



TEST NUMBER: P1219860

CATALOG NUMBER: SECHSBATMWH-3000k

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	97	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	73		70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	63		70	65	62		59
4	83	71	62	55	81	70	61	55	67	60	54		65	59	54		63	57	53		51
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		56	50	46		44
6	70	57	48	42	68	56	48	41	54	47	41		53	46	41		51	45	40		38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36		34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	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	27		37	31	26		37	31	26		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27160	27160	27160
5°	27200	26889	26952
10°	27135	27293	26949
15°	27440	26994	26893
20°	26850	26850	26722
25°	26502	26673	26300
30°	26264	26515	26264
35°	26330	26176	26063
40°	25839	25719	25719
45°	25752	25355	25005
50°	25141	24998	24507
55°	24872	24541	24221
60°	24111	23675	23560
65°	23092	22495	21992
70°	21082	20629	19890
75°	19097	17900	16680
80°	14679	13059	12166
85°	8233	5730	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25752 cd/sqm

TEST NUMBER: P1219860

CATALOG NUMBER: SECHSBATMWH-3000k

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	3.4
10°-20°	127.9	9.7
20°-30°	193.5	14.7
30°-40°	232.5	17.6
40°-50°	240.7	18.3
50°-60°	217.3	16.5
60°-70°	162.7	12.3
70°-80°	85.1	6.5
80°-90°	14.6	1.1
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°	366.0	27.8
0°-40°	598.5	45.4
0°-60°	1056.5	80.1
0°-90°	1318.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1318.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	473	473	473	473	473	
5°	472	469	467	467	468	45
15°	462	452	454	444	452	130
25°	418	422	421	414	415	194
35°	376	373	374	368	372	234
45°	317	314	312	310	308	243
55°	248	246	245	240	242	220
65°	170	167	166	161	162	166
75°	86	83	81	76	75	90
85°	12	11	9	7	6	18
90°	0	0	0	0	0	

TEST NUMBER: P1219860

CATALOG NUMBER: SECHSBATMWH-3000k

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	473.1	473.1	473.1	473.1	473.1
2.5°	469.9	473.6	469.3	468.2	468.8
5°	472.0	468.8	466.6	467.2	467.7
7.5°	469.9	467.2	469.9	465.0	467.2
10°	465.5	463.9	468.2	464.4	462.3
12.5°	461.7	459.0	455.8	456.3	457.9
15°	461.7	451.5	454.2	443.9	452.5
17.5°	459.0	445.5	446.6	450.4	444.4
20°	439.5	437.9	439.5	438.5	437.4
22.5°	432.5	432.0	435.8	426.0	428.2
25°	418.4	421.7	421.1	413.6	415.2
27.5°	412.5	409.8	408.1	409.8	404.4
30°	396.2	398.9	400.0	397.3	396.2
32.5°	388.1	386.5	381.6	381.6	378.4
35°	375.7	373.0	373.5	368.1	371.9
37.5°	362.1	358.9	361.1	352.4	358.3
40°	344.8	345.9	343.2	343.2	343.2
42.5°	331.3	330.2	328.0	323.2	328.6
45°	317.2	314.0	312.3	309.6	308.0
47.5°	298.8	297.7	297.2	291.2	291.8
50°	281.5	280.4	279.9	277.2	274.4
52.5°	261.5	260.9	262.5	258.7	259.8
55°	248.5	246.3	245.2	239.8	242.0
57.5°	229.5	224.1	226.3	221.4	223.0
60°	210.0	207.9	206.2	200.8	205.2
62.5°	190.5	186.8	185.7	181.9	179.7
65°	170.0	166.7	165.6	160.8	161.9
67.5°	144.5	147.2	145.6	140.7	140.2
70°	125.6	125.6	122.9	119.1	118.5
72.5°	106.1	104.5	102.3	98.5	96.9
75°	86.1	82.8	80.7	76.3	75.2
77.5°	65.5	62.8	60.1	56.3	55.8
80°	44.4	42.8	39.5	36.3	36.8
82.5°	27.6	26.0	22.7	20.0	20.0
85°	12.5	11.4	8.7	7.0	6.0
87.5°	2.7	2.2	1.6	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219860

CATALOG NUMBER: SECHSBATMWH-3000k

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	23.3	25.0	23.7	25.3	25.6	23.2	24.9	23.6	25.2	25.5
	3H	25.1	26.6	25.5	26.9	27.3	24.9	26.4	25.3	26.7	27.1
	4H	25.7	27.1	26.1	27.5	27.8	25.4	26.8	25.8	27.2	27.6
	6H	26.1	27.4	26.5	27.8	28.2	25.7	27.0	26.2	27.4	27.8
	8H	26.2	27.4	26.6	27.8	28.2	25.8	27.0	26.2	27.4	27.8
	12H	26.2	27.4	26.7	27.8	28.2	25.8	27.0	26.2	27.3	27.8
4H	2H	24.0	25.4	24.4	25.7	26.1	23.9	25.3	24.3	25.6	26.0
	3H	25.9	27.1	26.3	27.5	27.9	25.8	26.9	26.2	27.3	27.7
	4H	26.7	27.7	27.1	28.1	28.6	26.4	27.4	26.8	27.9	28.3
	6H	27.1	28.1	27.6	28.5	29.0	26.8	27.7	27.2	28.1	28.6
	8H	27.3	28.1	27.7	28.6	29.0	26.8	27.7	27.3	28.1	28.6
	12H	27.3	28.1	27.8	28.6	29.0	26.9	27.6	27.3	28.1	28.6
8H	4H	26.9	27.8	27.4	28.2	28.7	26.7	27.5	27.1	28.0	28.4
	6H	27.5	28.2	28.0	28.7	29.1	27.1	27.8	27.6	28.3	28.8
	8H	27.6	28.3	28.1	28.8	29.2	27.2	27.8	27.7	28.3	28.8
	12H	27.7	28.3	28.2	28.8	29.3	27.2	27.8	27.7	28.3	28.8
12H	4H	26.9	27.7	27.4	28.2	28.6	26.7	27.4	27.2	27.9	28.4
	6H	27.5	28.1	28.0	28.6	29.1	27.1	27.8	27.7	28.2	28.8
	8H	27.7	28.2	28.2	28.7	29.3	27.3	27.8	27.8	28.3	28.9

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)