

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: P1219861

Luminaire Tested: SECHSBATMWH-4000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219861
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-4000k
Description: BAT SEL 1200 Motion 2H WH at 4000K

Light Source:
Ballast/Driver: -

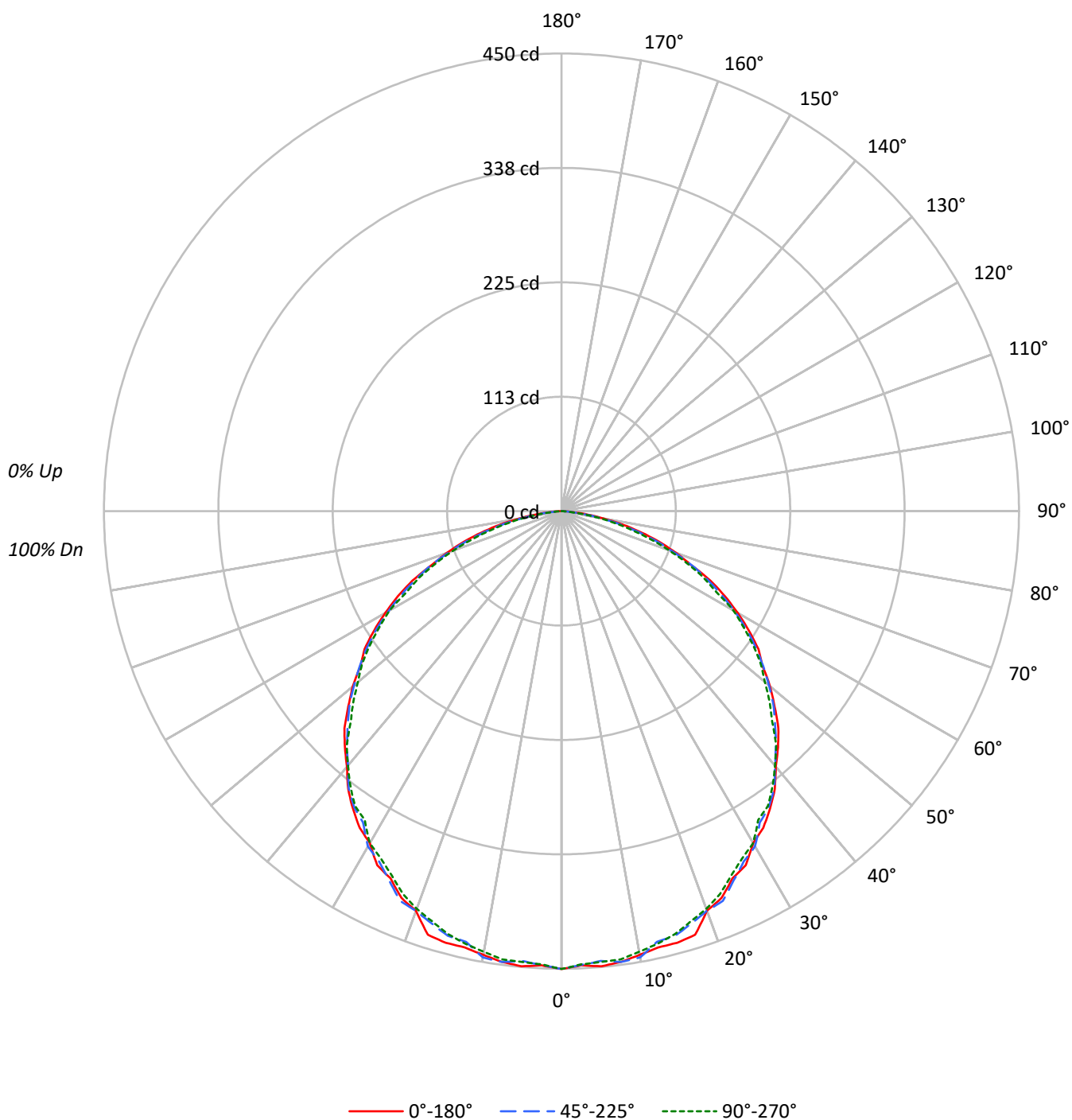
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1255.0 lumens
Efficiency: N/A
Efficacy: 130.7 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: >0.13
Total Harmonic Distortion (THDi): <24
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	97	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	81	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°	25845	25845	25845
5°	25886	25586	25644
10°	25824	25975	25643
15°	26115	25687	25592
20°	25555	25555	25426
25°	25223	25381	25027
30°	24991	25236	24991
35°	25054	24907	24802
40°	24588	24475	24475
45°	24502	24129	23796
50°	23917	23783	23328
55°	23661	23350	23040
60°	22952	22538	22412
65°	21965	21408	20919
70°	20058	19621	18933
75°	18166	17012	15881
80°	13951	12430	11571
85°	7772	5401	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	3.4
10°-20°	121.7	9.7
20°-30°	184.1	14.7
30°-40°	221.2	17.6
40°-50°	229.0	18.3
50°-60°	206.8	16.5
60°-70°	154.8	12.3
70°-80°	80.9	6.5
80°-90°	13.9	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°	348.3	27.8
0°-40°	569.5	45.4
0°-60°	1005.3	80.1
0°-90°	1255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	449	446	444	444	445	43
15°	439	430	432	422	431	124
25°	398	401	401	394	395	185
35°	358	355	355	350	354	223
45°	302	299	297	295	293	232
55°	236	234	233	228	230	210
65°	162	159	158	153	154	158
75°	82	79	77	73	72	86
85°	12	11	8	7	6	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	450.2	450.2	450.2	450.2	450.2
2.5°	447.1	450.7	446.6	445.6	446.1
5°	449.2	446.1	444.0	444.5	445.0
7.5°	447.1	444.5	447.1	442.5	444.5
10°	443.0	441.4	445.6	442.0	439.9
12.5°	439.4	436.8	433.7	434.2	435.8
15°	439.4	429.6	432.2	422.4	430.6
17.5°	436.8	423.9	425.0	428.6	422.9
20°	418.3	416.7	418.3	417.2	416.2
22.5°	411.6	411.0	414.7	405.4	407.4
25°	398.2	401.3	400.7	393.5	395.1
27.5°	392.5	389.9	388.4	389.9	384.8
30°	377.0	379.6	380.7	378.1	377.0
32.5°	369.3	367.8	363.1	363.1	360.1
35°	357.5	354.9	355.4	350.3	353.9
37.5°	344.6	341.5	343.6	335.3	341.0
40°	328.1	329.1	326.6	326.6	326.6
42.5°	315.2	314.2	312.1	307.5	312.7
45°	301.8	298.8	297.2	294.6	293.1
47.5°	284.3	283.3	282.8	277.1	277.6
50°	267.8	266.8	266.3	263.7	261.2
52.5°	248.8	248.3	249.8	246.2	247.2
55°	236.4	234.4	233.3	228.2	230.2
57.5°	218.4	213.2	215.3	210.7	212.2
60°	199.9	197.8	196.3	191.1	195.2
62.5°	181.3	177.7	176.7	173.1	171.0
65°	161.7	158.6	157.6	153.0	154.0
67.5°	137.5	140.1	138.6	133.9	133.4
70°	119.5	119.5	116.9	113.3	112.8
72.5°	101.0	99.4	97.4	93.7	92.2
75°	81.9	78.8	76.7	72.6	71.6
77.5°	62.3	59.8	57.2	53.6	53.1
80°	42.2	40.7	37.6	34.5	35.0
82.5°	26.3	24.7	21.6	19.1	19.1
85°	11.8	10.8	8.2	6.7	5.7
87.5°	2.6	2.1	1.5	1.0	1.0
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	23.2	24.8	23.5	25.1	25.4	23.1	24.7	23.4	25.0	25.3
	3H	24.9	26.4	25.3	26.7	27.1	24.7	26.2	25.1	26.5	26.9
	4H	25.6	26.9	26.0	27.3	27.7	25.3	26.7	25.7	27.0	27.4
	6H	25.9	27.2	26.4	27.6	28.0	25.6	26.9	26.0	27.2	27.6
	8H	26.0	27.3	26.5	27.6	28.0	25.6	26.8	26.0	27.2	27.6
	12H	26.1	27.2	26.5	27.6	28.0	25.6	26.8	26.0	27.2	27.6
4H	2H	23.8	25.2	24.2	25.5	25.9	23.7	25.1	24.1	25.4	25.8
	3H	25.8	26.9	26.2	27.3	27.7	25.6	26.7	26.0	27.1	27.5
	4H	26.5	27.5	26.9	28.0	28.4	26.2	27.3	26.7	27.7	28.1
	6H	27.0	27.9	27.4	28.3	28.8	26.6	27.5	27.1	28.0	28.4
	8H	27.1	27.9	27.5	28.4	28.8	26.7	27.5	27.1	28.0	28.4
	12H	27.1	27.9	27.6	28.4	28.8	26.7	27.4	27.2	27.9	28.4
8H	4H	26.7	27.6	27.2	28.0	28.5	26.5	27.3	27.0	27.8	28.2
	6H	27.3	28.0	27.8	28.5	29.0	26.9	27.6	27.4	28.1	28.6
	8H	27.4	28.1	28.0	28.6	29.1	27.0	27.7	27.5	28.2	28.7
	12H	27.5	28.1	28.0	28.6	29.1	27.1	27.6	27.6	28.1	28.7
12H	4H	26.7	27.5	27.2	28.0	28.5	26.5	27.3	27.0	27.7	28.2
	6H	27.3	27.9	27.8	28.4	28.9	27.0	27.6	27.5	28.1	28.6
	8H	27.5	28.0	28.0	28.5	29.1	27.1	27.6	27.6	28.1	28.7

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Peachtree City, GA 30269



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