

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: P1219851

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: P1219851
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-4000k
Description: BAT SEL 800 Motion 1H WH at 4000K

Light Source:
Ballast/Driver: -

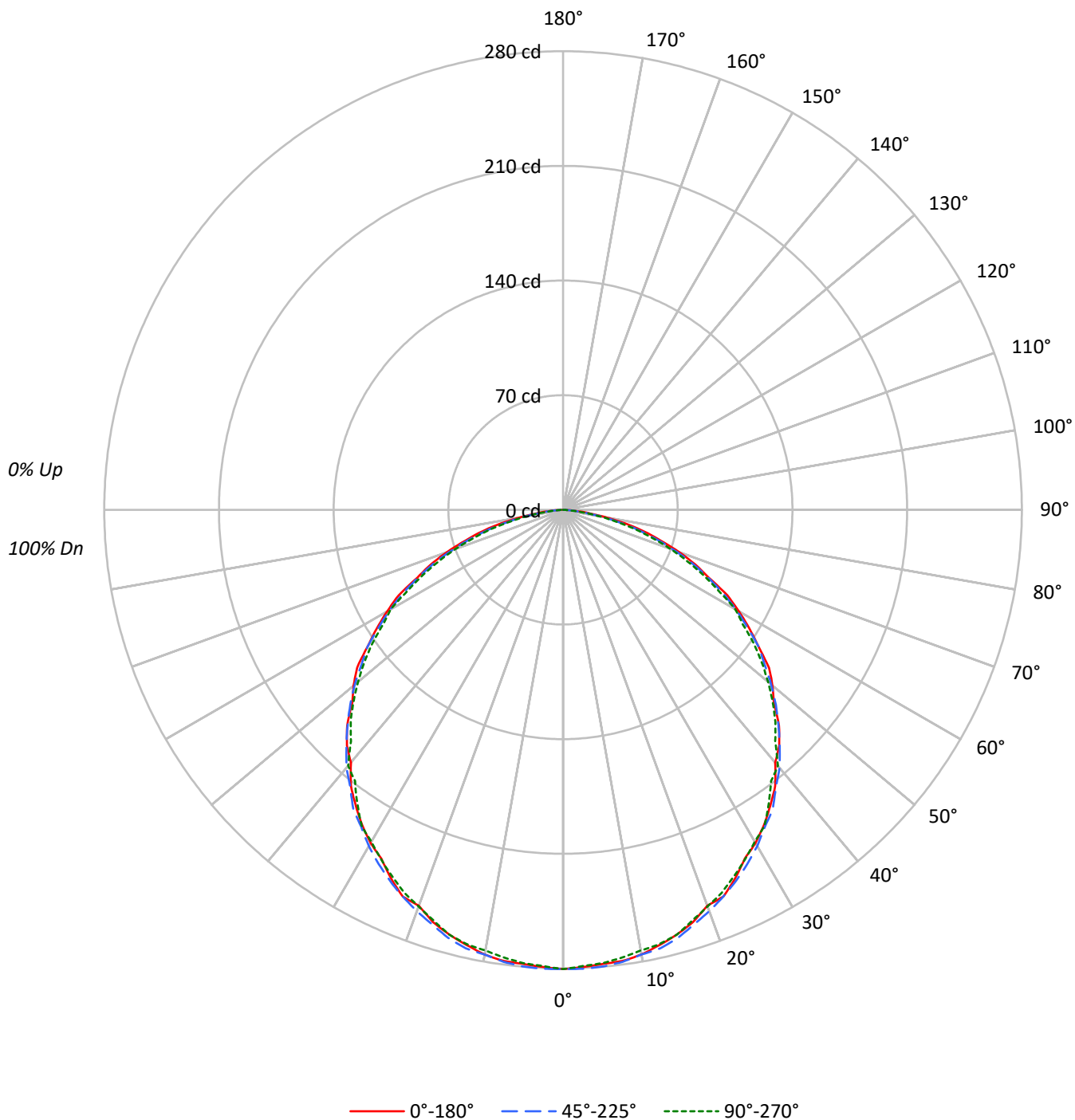
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 782.1 lumens
Efficiency: N/A
Efficacy: 115.0 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: >0.12
Total Harmonic Distortion (THDi): <23
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	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°	28745	28745	28745
5°	28638	28803	28587
10°	28699	28699	28439
15°	28496	28719	28496
20°	28059	28451	28113
25°	28097	28266	27916
30°	27806	28054	27687
35°	27595	27920	27394
40°	26952	27500	27300
45°	27024	26951	26574
50°	26602	26442	26028
55°	26023	26023	25379
60°	25403	24993	24870
65°	23796	23553	22923
70°	22600	21670	20891
75°	20438	18814	17982
80°	15880	14050	13106
85°	9057	6704	6116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 27025 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	3.4
10°-20°	75.8	9.7
20°-30°	114.6	14.6
30°-40°	138.0	17.6
40°-50°	142.8	18.3
50°-60°	128.8	16.5
60°-70°	96.1	12.3
70°-80°	50.5	6.5
80°-90°	9.1	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°	216.9	27.7
0°-40°	354.9	45.4
0°-60°	626.5	80.1
0°-90°	782.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	782.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	280	280	280	280	280	
5°	278	279	280	278	278	27
15°	268	268	271	268	268	76
25°	248	247	250	249	247	114
35°	220	221	223	220	219	138
45°	186	185	186	183	183	143
55°	146	145	146	143	142	131
65°	98	99	97	96	94	98
75°	52	50	48	45	45	54
85°	8	7	6	5	5	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	280.4	280.4	280.4	280.4	280.4
2.5°	279.4	279.4	280.4	278.3	278.8
5°	278.3	279.4	279.9	277.8	277.8
7.5°	277.8	276.8	278.3	277.8	275.7
10°	275.7	274.7	275.7	274.2	273.2
12.5°	272.1	270.6	274.2	273.2	271.6
15°	268.5	268.5	270.6	268.0	268.5
17.5°	263.9	265.9	265.4	263.3	262.8
20°	257.2	259.2	260.8	259.7	257.7
22.5°	255.6	254.6	255.6	255.1	253.0
25°	248.4	246.8	249.9	249.4	246.8
27.5°	240.1	242.7	243.7	241.7	240.6
30°	234.9	236.0	237.0	234.9	233.9
32.5°	228.2	228.2	229.3	226.7	228.8
35°	220.5	221.0	223.1	219.5	218.9
37.5°	212.7	214.8	213.3	210.7	208.6
40°	201.4	205.5	205.5	203.4	204.0
42.5°	195.2	195.7	195.7	194.2	191.6
45°	186.4	185.4	185.9	182.8	183.3
47.5°	174.5	178.1	176.1	174.0	173.5
50°	166.8	167.3	165.8	163.2	163.2
52.5°	158.5	156.5	154.9	153.4	152.8
55°	145.6	145.1	145.6	143.0	142.0
57.5°	134.8	134.8	133.2	130.6	130.1
60°	123.9	123.4	121.9	119.3	121.3
62.5°	113.1	110.5	110.0	106.9	106.9
65°	98.1	99.1	97.1	95.5	94.5
67.5°	87.3	87.3	85.2	82.6	82.1
70°	75.4	74.4	72.3	70.2	69.7
72.5°	62.5	62.0	59.9	57.8	57.3
75°	51.6	49.6	47.5	45.4	45.4
77.5°	39.2	37.7	35.1	33.6	33.0
80°	26.9	25.8	23.8	22.7	22.2
82.5°	16.5	15.5	13.4	12.4	11.9
85°	7.7	6.7	5.7	5.2	5.2
87.5°	1.5	1.5	1.5	1.0	1.5
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	23.6	25.2	24.0	25.6	25.9	23.4	25.0	23.7	25.3	25.6
	3H	25.4	26.8	25.7	27.2	27.5	25.1	26.5	25.4	26.9	27.2
	4H	26.0	27.4	26.4	27.7	28.1	25.6	27.0	26.0	27.3	27.7
	6H	26.4	27.7	26.8	28.0	28.4	25.9	27.2	26.3	27.6	28.0
	8H	26.5	27.7	26.9	28.1	28.5	26.0	27.2	26.4	27.6	28.0
	12H	26.5	27.7	26.9	28.0	28.5	26.0	27.1	26.4	27.5	28.0
4H	2H	24.2	25.6	24.6	25.9	26.3	24.0	25.4	24.4	25.8	26.1
	3H	26.2	27.3	26.6	27.7	28.1	25.9	27.1	26.3	27.5	27.9
	4H	26.9	27.9	27.3	28.4	28.8	26.6	27.6	27.0	28.0	28.4
	6H	27.4	28.3	27.8	28.7	29.2	26.9	27.9	27.4	28.3	28.8
	8H	27.5	28.4	28.0	28.8	29.3	27.0	27.9	27.5	28.3	28.8
	12H	27.6	28.3	28.0	28.8	29.3	27.0	27.8	27.5	28.3	28.8
8H	4H	27.1	28.0	27.6	28.4	28.9	26.8	27.7	27.3	28.1	28.6
	6H	27.7	28.4	28.2	28.9	29.4	27.3	28.0	27.8	28.5	29.0
	8H	27.9	28.5	28.4	29.0	29.5	27.4	28.0	27.9	28.5	29.0
	12H	27.9	28.5	28.5	29.0	29.6	27.4	28.0	27.9	28.5	29.0
12H	4H	27.1	27.9	27.6	28.4	28.9	26.8	27.6	27.3	28.1	28.5
	6H	27.7	28.4	28.2	28.8	29.4	27.3	28.0	27.8	28.4	29.0
	8H	27.9	28.5	28.4	29.0	29.5	27.4	28.0	28.0	28.5	29.1

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Peachtree City, GA 30269



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