

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: P1219853

Luminaire Tested: SECHSBATMWH-6500k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219853
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-6500k
Description: BAT SEL 800 Motion 1H WH at 6500K

Light Source:
Ballast/Driver: -

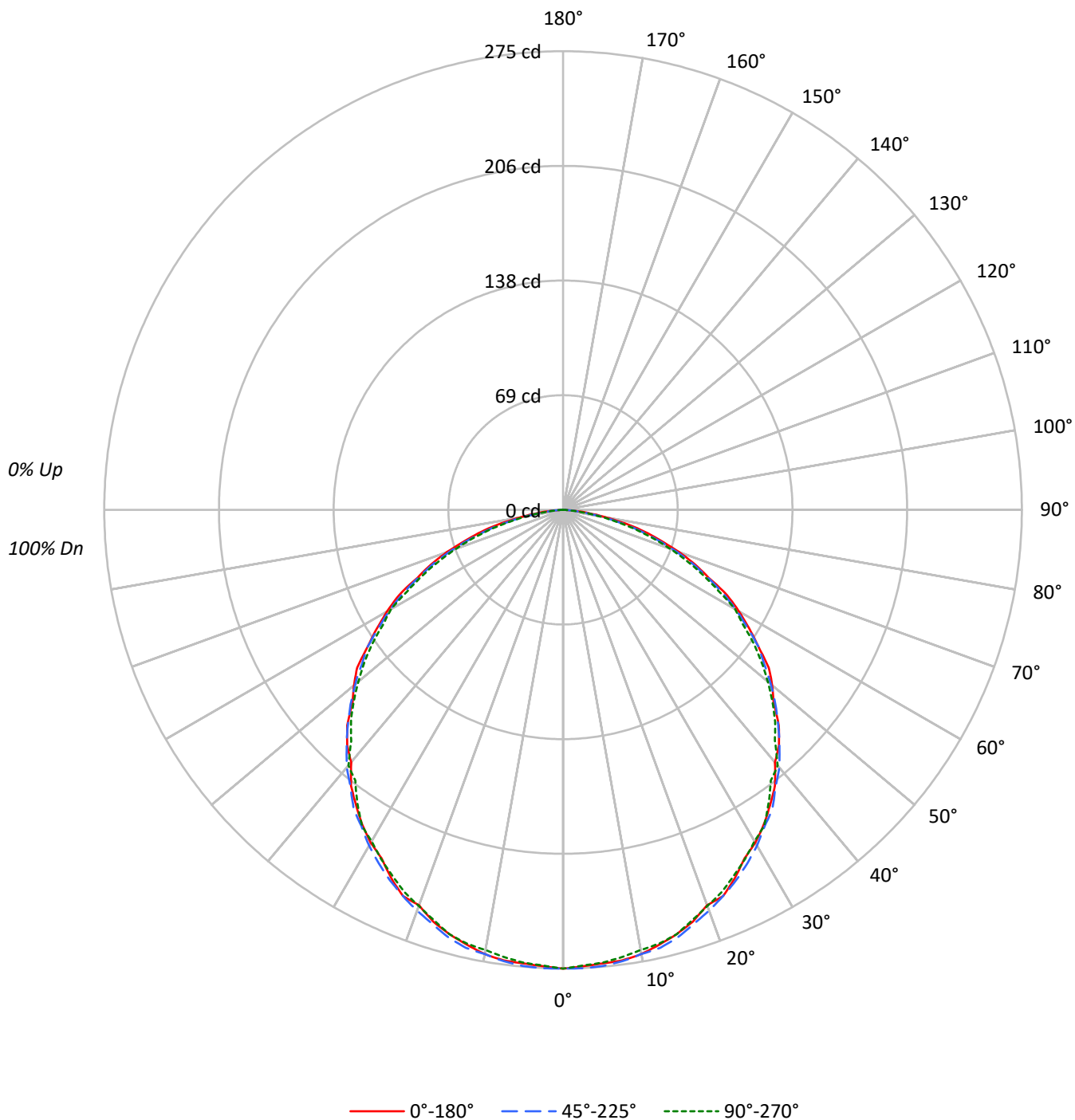
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 767.2 lumens
Efficiency: N/A
Efficacy: 112.8 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: >0.24
Total Harmonic Distortion (THDi): <35
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	30	10	50	30	10
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	73	70		
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59		
4	83	71	62	55	80	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°	28201	28201	28201
5°	28093	28258	28042
10°	28158	28158	27897
15°	27955	28167	27955
20°	27524	27906	27579
25°	27565	27735	27384
30°	27285	27522	27166
35°	27069	27382	26881
40°	26443	26978	26778
45°	26516	26444	26067
50°	26091	25932	25533
55°	25522	25522	24897
60°	24931	24501	24398
65°	23335	23092	22486
70°	22180	21251	20501
75°	20081	18457	17665
80°	15526	13755	12870
85°	8939	6587	5999

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 26524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	3.4
10°-20°	74.4	9.7
20°-30°	112.4	14.6
30°-40°	135.4	17.6
40°-50°	140.1	18.3
50°-60°	126.3	16.5
60°-70°	94.2	12.3
70°-80°	49.5	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°	212.7	27.7
0°-40°	348.1	45.4
0°-60°	614.6	80.1
0°-90°	767.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	275	275	275	275	275	
5°	273	274	275	272	272	26
15°	263	263	265	263	263	74
25°	244	242	245	245	242	112
35°	216	217	219	215	215	135
45°	183	182	182	179	180	140
55°	143	142	143	140	139	128
65°	96	97	95	94	93	97
75°	51	49	47	45	45	53
85°	8	7	6	5	5	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	275.1	275.1	275.1	275.1	275.1
2.5°	274.0	274.0	275.1	273.0	273.5
5°	273.0	274.0	274.6	272.5	272.5
7.5°	272.5	271.5	273.0	272.5	270.5
10°	270.5	269.5	270.5	269.0	268.0
12.5°	267.0	265.4	269.0	268.0	266.4
15°	263.4	263.4	265.4	262.9	263.4
17.5°	258.8	260.9	260.4	258.3	257.8
20°	252.3	254.3	255.8	254.8	252.8
22.5°	250.7	249.7	250.7	250.2	248.2
25°	243.7	242.1	245.2	244.7	242.1
27.5°	235.5	238.1	239.1	237.1	236.1
30°	230.5	231.5	232.5	230.5	229.5
32.5°	223.9	223.9	224.9	222.4	224.4
35°	216.3	216.8	218.8	215.3	214.8
37.5°	208.7	210.7	209.2	206.7	204.6
40°	197.6	201.6	201.6	199.6	200.1
42.5°	191.5	192.0	192.0	190.5	187.9
45°	182.9	181.9	182.4	179.3	179.8
47.5°	171.2	174.8	172.7	170.7	170.2
50°	163.6	164.1	162.6	160.1	160.1
52.5°	155.5	153.5	152.0	150.4	149.9
55°	142.8	142.3	142.8	140.3	139.3
57.5°	132.2	132.2	130.7	128.2	127.7
60°	121.6	121.1	119.5	117.0	119.0
62.5°	110.9	108.4	107.9	104.9	104.9
65°	96.2	97.3	95.2	93.7	92.7
67.5°	85.6	85.6	83.6	81.0	80.5
70°	74.0	72.9	70.9	68.9	68.4
72.5°	61.3	60.8	58.8	56.7	56.2
75°	50.7	48.6	46.6	44.6	44.6
77.5°	38.5	37.0	34.4	32.9	32.4
80°	26.3	25.3	23.3	22.3	21.8
82.5°	16.2	15.2	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

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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	23.5	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	27.6	28.0	25.5	26.9	25.9	27.3	27.7
	6H	26.3	27.6	26.7	28.0	28.3	25.9	27.1	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	26.3	27.5	27.9
4H	2H	24.1	25.5	24.5	25.9	26.2	24.0	25.3	24.4	25.7	26.1
	3H	26.1	27.3	26.5	27.7	28.1	25.8	27.0	26.2	27.4	27.8
	4H	26.8	27.9	27.3	28.3	28.7	26.5	27.5	26.9	27.9	28.4
	6H	27.3	28.2	27.8	28.7	29.1	26.9	27.8	27.3	28.2	28.7
	8H	27.4	28.3	27.9	28.7	29.2	27.0	27.8	27.4	28.2	28.7
	12H	27.5	28.3	28.0	28.7	29.2	27.0	27.7	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	27.6	28.3	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	27.8	28.5	29.0
	12H	27.9	28.4	28.4	28.9	29.5	27.4	27.9	27.9	28.4	29.0
12H	4H	27.1	27.8	27.6	28.3	28.8	26.8	27.5	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	27.8	28.4	28.3	28.9	29.4	27.4	27.9	27.9	28.4	29.0

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