

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: P1219850

Luminaire Tested: SECHSBATMWH-3000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219850
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-3000k
Description: BAT SEL 800 Motion 1H WH at 3000K

Light Source:
Ballast/Driver: -

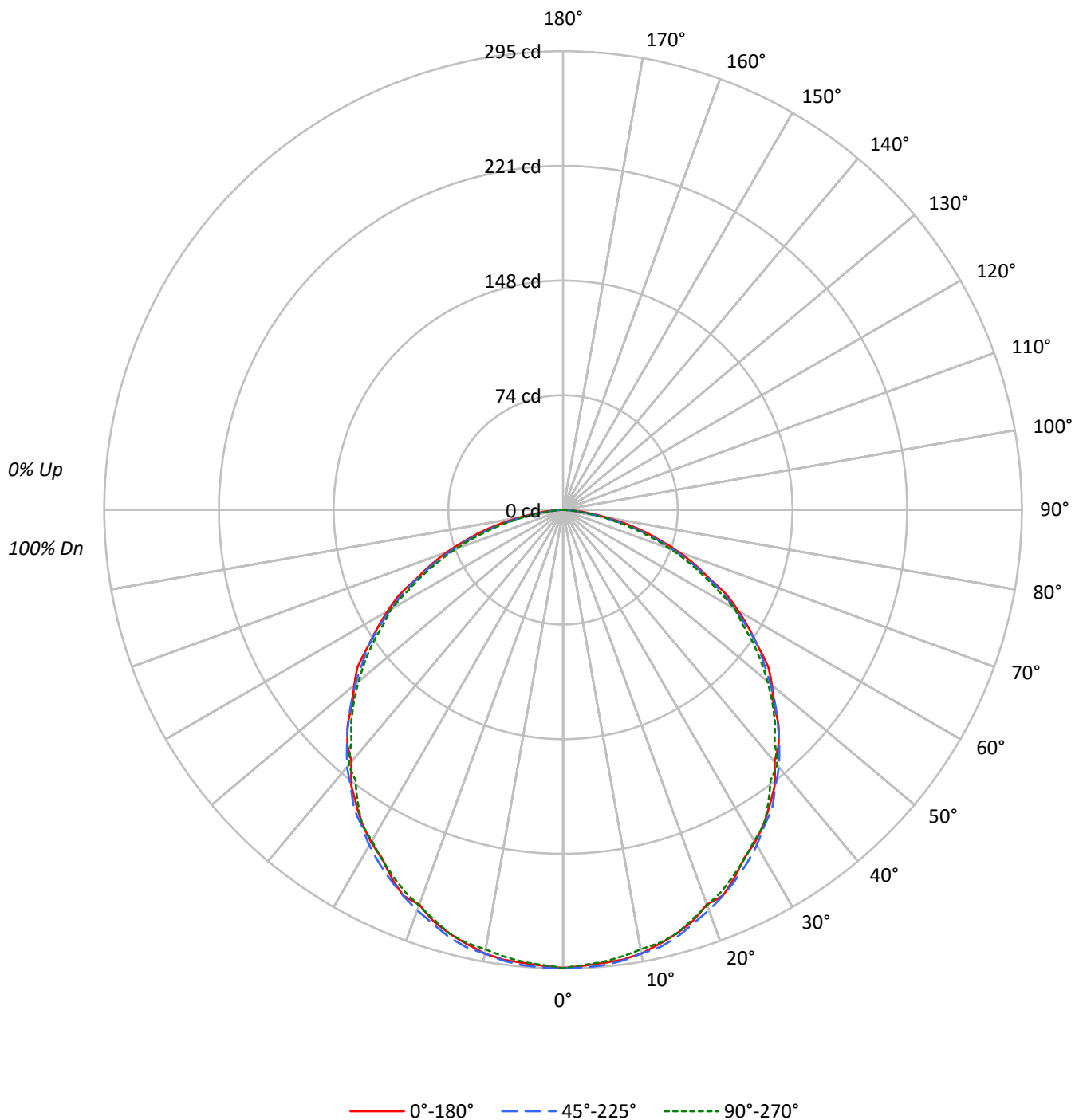
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 821.9 lumens
Efficiency: N/A
Efficacy: 120.9 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: >0.9
Total Harmonic Distortion (THDi): <20
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°	30211	30211	30211
5°	30100	30264	30038
10°	30167	30167	29886
15°	29950	30173	29950
20°	29477	29891	29542
25°	29522	29703	29341
30°	29226	29487	29096
35°	28996	29334	28796
40°	28317	28906	28678
45°	28401	28328	27922
50°	27957	27782	27351
55°	27345	27345	26666
60°	26695	26264	26141
65°	25009	24742	24087
70°	23739	22779	21970
75°	21507	19764	18933
80°	16648	14759	13755
85°	9527	7057	6352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 28406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	3.4
10°-20°	79.7	9.7
20°-30°	120.4	14.6
30°-40°	145.0	17.6
40°-50°	150.1	18.3
50°-60°	135.3	16.5
60°-70°	100.9	12.3
70°-80°	53.0	6.5
80°-90°	9.5	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°	227.9	27.7
0°-40°	372.9	45.4
0°-60°	658.4	80.1
0°-90°	821.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	292	294	294	292	292	28
15°	282	282	284	282	282	79
25°	261	259	263	262	259	120
35°	232	232	234	231	230	145
45°	196	195	195	192	193	150
55°	153	152	153	150	149	137
65°	103	104	102	100	99	103
75°	54	52	50	48	48	57
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°	294.7	294.7	294.7	294.7	294.7
2.5°	293.6	293.6	294.7	292.5	293.0
5°	292.5	293.6	294.1	291.9	291.9
7.5°	291.9	290.9	292.5	291.9	289.8
10°	289.8	288.7	289.8	288.1	287.1
12.5°	286.0	284.3	288.1	287.1	285.4
15°	282.2	282.2	284.3	281.6	282.2
17.5°	277.3	279.5	278.9	276.8	276.2
20°	270.2	272.4	274.0	273.0	270.8
22.5°	268.6	267.5	268.6	268.1	265.9
25°	261.0	259.4	262.6	262.1	259.4
27.5°	252.3	255.0	256.1	254.0	252.9
30°	246.9	248.0	249.1	246.9	245.8
32.5°	239.9	239.9	240.9	238.2	240.4
35°	231.7	232.3	234.4	230.6	230.1
37.5°	223.6	225.7	224.1	221.4	219.2
40°	211.6	216.0	216.0	213.8	214.3
42.5°	205.1	205.7	205.7	204.0	201.3
45°	195.9	194.8	195.4	192.1	192.6
47.5°	183.4	187.2	185.0	182.9	182.3
50°	175.3	175.8	174.2	171.5	171.5
52.5°	166.6	164.4	162.8	161.2	160.6
55°	153.0	152.5	153.0	150.3	149.2
57.5°	141.6	141.6	140.0	137.3	136.7
60°	130.2	129.7	128.1	125.4	127.5
62.5°	118.8	116.1	115.6	112.3	112.3
65°	103.1	104.2	102.0	100.4	99.3
67.5°	91.7	91.7	89.5	86.8	86.3
70°	79.2	78.1	76.0	73.8	73.3
72.5°	65.7	65.1	62.9	60.8	60.2
75°	54.3	52.1	49.9	47.8	47.8
77.5°	41.2	39.6	36.9	35.3	34.7
80°	28.2	27.1	25.0	23.9	23.3
82.5°	17.4	16.3	14.1	13.0	12.5
85°	8.1	7.1	6.0	5.4	5.4
87.5°	1.6	1.6	1.6	1.1	1.6
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	23.8	25.4	24.1	25.7	26.0	23.6	25.2	23.9	25.5	25.8
	3H	25.5	27.0	25.9	27.3	27.7	25.2	26.7	25.6	27.0	27.4
	4H	26.2	27.5	26.6	27.9	28.3	25.8	27.2	26.2	27.5	27.9
	6H	26.5	27.8	27.0	28.2	28.6	26.1	27.4	26.5	27.7	28.1
	8H	26.6	27.9	27.1	28.2	28.6	26.1	27.4	26.6	27.8	28.2
	12H	26.7	27.8	27.1	28.2	28.6	26.1	27.3	26.6	27.7	28.1
4H	2H	24.4	25.8	24.8	26.1	26.5	24.2	25.6	24.6	25.9	26.3
	3H	26.3	27.5	26.7	27.9	28.3	26.1	27.2	26.5	27.6	28.0
	4H	27.1	28.1	27.5	28.5	29.0	26.7	27.8	27.2	28.2	28.6
	6H	27.6	28.5	28.0	28.9	29.4	27.1	28.0	27.6	28.5	28.9
	8H	27.7	28.5	28.1	29.0	29.4	27.2	28.0	27.7	28.5	29.0
	12H	27.7	28.5	28.2	29.0	29.4	27.2	28.0	27.7	28.5	28.9
8H	4H	27.3	28.2	27.8	28.6	29.1	27.0	27.8	27.5	28.3	28.8
	6H	27.9	28.6	28.4	29.1	29.5	27.5	28.2	28.0	28.7	29.1
	8H	28.0	28.7	28.5	29.2	29.7	27.6	28.2	28.1	28.7	29.2
	12H	28.1	28.7	28.6	29.2	29.7	27.6	28.2	28.1	28.7	29.2
12H	4H	27.3	28.1	27.8	28.6	29.0	27.0	27.8	27.5	28.3	28.7
	6H	27.9	28.5	28.4	29.0	29.5	27.5	28.1	28.0	28.6	29.1
	8H	28.1	28.6	28.6	29.1	29.7	27.6	28.2	28.1	28.7	29.2

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Peachtree City, GA 30269



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