

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: P1219870

Luminaire Tested: SEC3HSBATMWH-3000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219870
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMWH-3000k
Description: BAT SEL 1500 Motion 3H WH at 3000K

Light Source:
Ballast/Driver: -

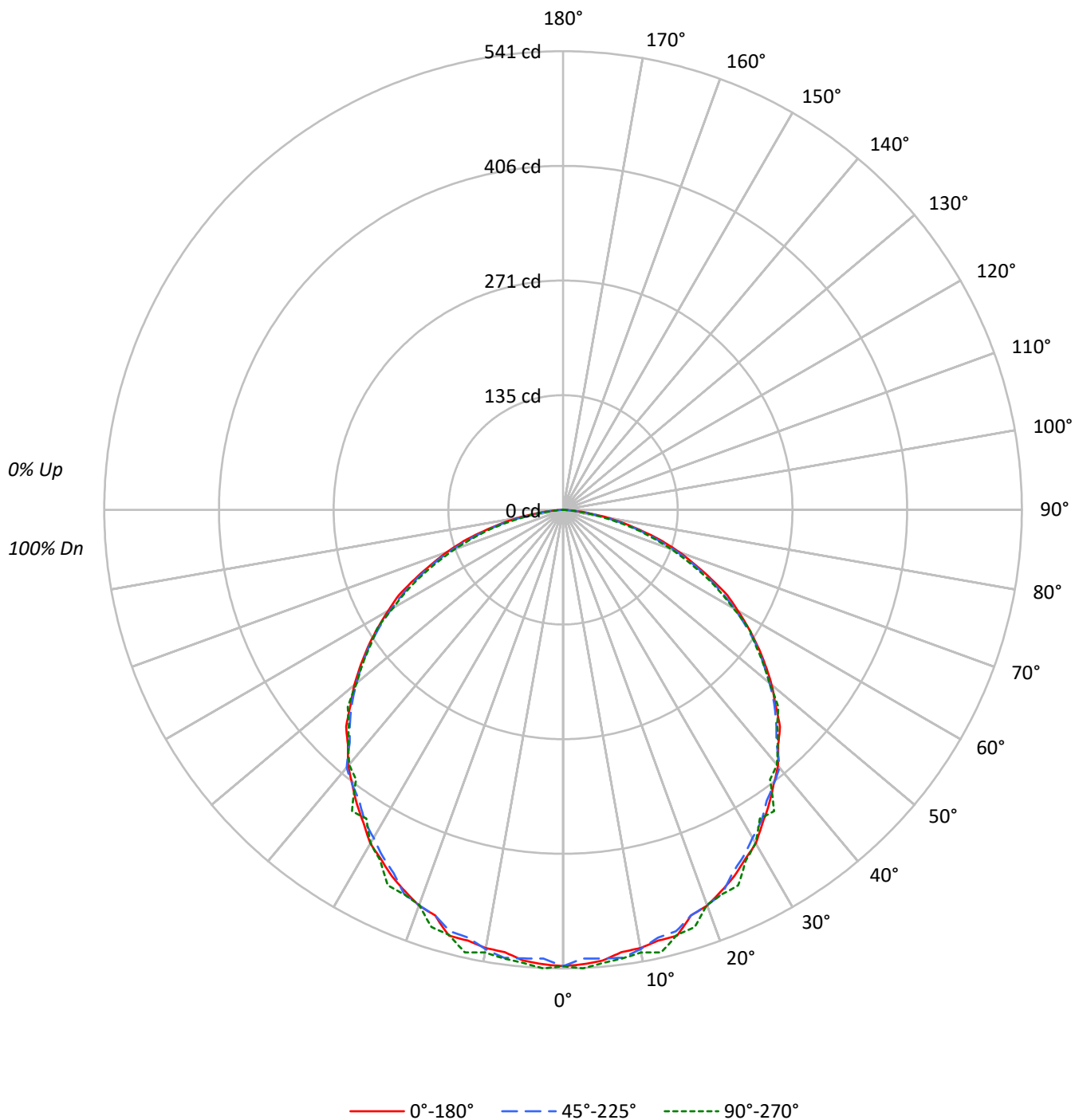
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1510.2 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
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	62		70
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		51
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		46
8	61	47	38	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	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21460	21460	21460
5°	21362	21254	21470
10°	21249	21301	21463
15°	21462	21239	21425
20°	21077	21055	21039
25°	20991	20793	21501
30°	20918	20568	20899
35°	20621	20382	21117
40°	20515	20655	20421
45°	20392	20037	20139
50°	19915	19723	19692
55°	19468	19343	19218
60°	18984	18634	18458
65°	18178	17753	17376
70°	16948	16424	15806
75°	14972	14356	13801
80°	12076	10538	9941
85°	6541	5077	4300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20392 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	3.4
10°-20°	145.5	9.6
20°-30°	220.2	14.6
30°-40°	264.8	17.5
40°-50°	276.2	18.3
50°-60°	249.4	16.5
60°-70°	187.1	12.4
70°-80°	98.4	6.5
80°-90°	17.8	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°	416.5	27.6
0°-40°	681.3	45.1
0°-60°	1206.9	79.9
0°-90°	1510.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1510.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	534	532	531	540	536	51
15°	520	518	515	520	519	145
25°	477	481	473	483	489	220
35°	424	424	419	429	434	265
45°	362	359	355	358	357	277
55°	280	283	278	278	276	250
65°	193	194	188	191	184	191
75°	97	96	93	88	90	104
85°	14	14	11	10	9	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	538.3	538.3	538.3	538.3	538.3
2.5°	536.5	539.2	529.8	537.4	541.4
5°	533.8	532.5	531.1	540.1	536.5
7.5°	526.2	533.4	532.9	532.5	533.8
10°	524.9	528.9	526.2	531.6	530.2
12.5°	520.4	524.4	516.9	523.6	534.7
15°	520.0	517.8	514.6	520.4	519.1
17.5°	501.7	498.1	501.7	508.8	516.0
20°	496.8	499.5	496.3	502.6	495.9
22.5°	487.0	489.2	490.1	489.2	490.6
25°	477.2	480.7	472.7	483.0	488.8
27.5°	464.7	464.2	460.7	466.5	466.5
30°	454.4	453.5	446.8	453.1	454.0
32.5°	437.9	434.8	435.3	434.8	431.7
35°	423.7	423.7	418.8	428.6	433.9
37.5°	408.1	408.9	408.1	408.9	400.9
40°	394.2	393.8	396.9	393.3	392.4
42.5°	375.5	377.3	372.4	377.3	374.6
45°	361.7	359.4	355.4	358.1	357.2
47.5°	339.4	337.6	337.6	340.3	344.3
50°	321.1	325.1	318.0	319.8	317.5
52.5°	300.6	300.6	297.9	301.0	297.5
55°	280.1	283.2	278.3	278.3	276.5
57.5°	259.1	261.3	256.0	257.8	259.5
60°	238.1	235.9	233.7	233.2	231.5
62.5°	218.5	216.7	211.4	210.9	208.3
65°	192.7	194.0	188.2	190.9	184.2
67.5°	168.1	167.7	164.6	163.2	159.7
70°	145.4	146.3	140.9	139.6	135.6
72.5°	122.6	121.3	115.9	113.7	111.5
75°	97.2	95.9	93.2	88.3	89.6
77.5°	74.0	72.2	70.5	65.1	63.8
80°	52.6	50.4	45.9	43.7	43.3
82.5°	31.7	30.3	27.2	24.5	23.2
85°	14.3	13.8	11.1	9.8	9.4
87.5°	3.6	3.1	2.7	2.7	2.2
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	22.6	24.3	23.0	24.6	24.9	22.5	24.2	22.9	24.5	24.8
	3H	24.4	25.9	24.8	26.2	26.5	24.2	25.7	24.6	26.0	26.4
	4H	25.0	26.4	25.4	26.7	27.1	24.7	26.1	25.1	26.5	26.9
	6H	25.4	26.7	25.8	27.0	27.4	25.0	26.3	25.4	26.7	27.1
	8H	25.5	26.7	25.9	27.1	27.5	25.1	26.3	25.5	26.7	27.1
	12H	25.5	26.7	25.9	27.0	27.5	25.1	26.3	25.5	26.6	27.1
4H	2H	23.2	24.6	23.6	25.0	25.3	23.2	24.5	23.6	24.9	25.3
	3H	25.2	26.4	25.6	26.7	27.1	25.0	26.2	25.4	26.6	27.0
	4H	25.9	27.0	26.3	27.4	27.8	25.7	26.7	26.1	27.1	27.6
	6H	26.4	27.3	26.9	27.8	28.2	26.1	27.0	26.5	27.4	27.9
	8H	26.5	27.4	27.0	27.8	28.3	26.1	27.0	26.6	27.4	27.9
	12H	26.6	27.3	27.0	27.8	28.3	26.1	26.9	26.6	27.4	27.9
8H	4H	26.2	27.0	26.6	27.5	27.9	25.9	26.8	26.4	27.2	27.7
	6H	26.7	27.4	27.2	27.9	28.4	26.4	27.1	26.9	27.6	28.1
	8H	26.9	27.5	27.4	28.0	28.5	26.5	27.1	27.0	27.6	28.1
	12H	27.0	27.5	27.5	28.0	28.6	26.5	27.1	27.0	27.6	28.1
12H	4H	26.2	26.9	26.6	27.4	27.9	26.0	26.7	26.4	27.2	27.7
	6H	26.7	27.4	27.3	27.8	28.4	26.4	27.1	27.0	27.5	28.1
	8H	26.9	27.5	27.4	28.0	28.5	26.6	27.1	27.1	27.6	28.2

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