

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: P1219873

Luminaire Tested: SEC3HSBATMWH-6500k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219873
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMWH-6500k
Description: BAT SEL 1500 Motion 3H WH at 6500K

Light Source:
Ballast/Driver: -

Summary

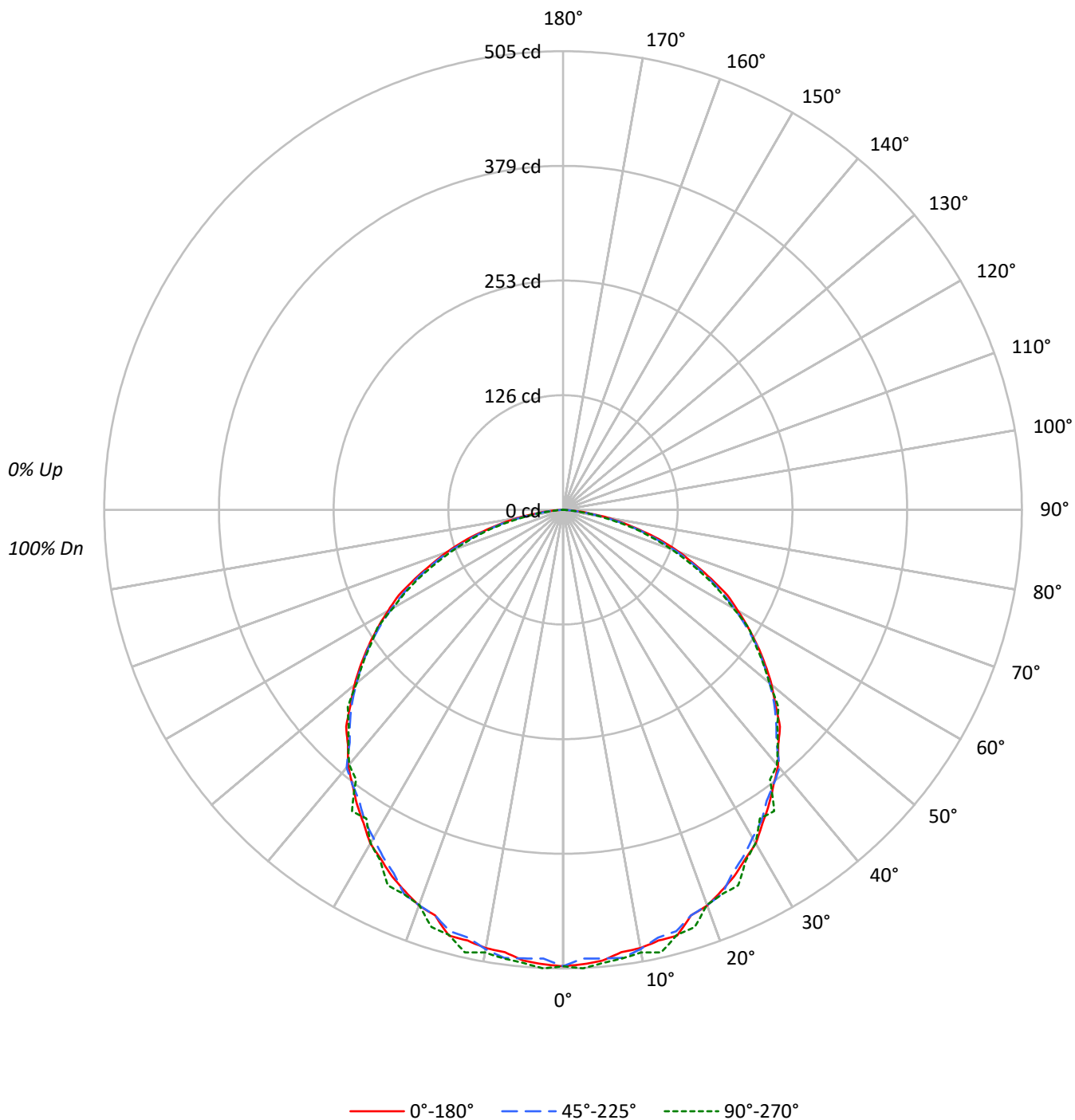
Lumens per Lamp: N/A
Luminaire Lumens: 1409.7 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.26
Total Harmonic Distortion (THDi): <37
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	72	70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		46	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32		44	37	32		43	36	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	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20033	20033	20033
5°	19941	19841	20041
10°	19836	19884	20038
15°	20034	19827	20001
20°	19677	19655	19638
25°	19592	19412	20072
30°	19527	19201	19509
35°	19248	19024	19715
40°	19151	19281	19063
45°	19034	18707	18803
50°	18588	18408	18383
55°	18169	18057	17939
60°	17725	17390	17230
65°	16961	16574	16216
70°	15817	15328	14757
75°	13986	13401	12892
80°	11272	9849	9275
85°	6084	4757	3980

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	3.4
10°-20°	135.8	9.6
20°-30°	205.6	14.6
30°-40°	247.2	17.5
40°-50°	257.8	18.3
50°-60°	232.8	16.5
60°-70°	174.7	12.4
70°-80°	91.8	6.5
80°-90°	16.6	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°	388.8	27.6
0°-40°	636.0	45.1
0°-60°	1126.6	79.9
0°-90°	1409.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	502	502	502	502	502	
5°	498	497	496	504	501	47
15°	485	483	480	486	485	135
25°	445	449	441	451	456	205
35°	396	396	391	400	405	248
45°	338	336	332	334	334	258
55°	261	264	260	260	258	234
65°	180	181	176	178	172	178
75°	91	90	87	82	84	97
85°	13	13	10	9	9	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	502.5	502.5	502.5	502.5	502.5
2.5°	500.8	503.3	494.6	501.6	505.4
5°	498.3	497.1	495.8	504.1	500.8
7.5°	491.2	497.9	497.5	497.1	498.3
10°	490.0	493.7	491.2	496.2	495.0
12.5°	485.8	489.6	482.5	488.7	499.1
15°	485.4	483.3	480.4	485.8	484.6
17.5°	468.3	465.0	468.3	475.0	481.7
20°	463.8	466.2	463.3	469.2	462.9
22.5°	454.6	456.7	457.5	456.7	457.9
25°	445.4	448.8	441.3	450.8	456.3
27.5°	433.8	433.4	430.0	435.4	435.4
30°	424.2	423.4	417.1	423.0	423.8
32.5°	408.8	405.9	406.3	405.9	403.0
35°	395.5	395.5	390.9	400.1	405.1
37.5°	380.9	381.7	380.9	381.7	374.2
40°	368.0	367.6	370.5	367.2	366.3
42.5°	350.5	352.2	347.6	352.2	349.7
45°	337.6	335.5	331.8	334.3	333.5
47.5°	316.8	315.1	315.1	317.6	321.4
50°	299.7	303.5	296.8	298.5	296.4
52.5°	280.6	280.6	278.1	281.0	277.7
55°	261.4	264.3	259.8	259.8	258.1
57.5°	241.9	243.9	239.0	240.6	242.3
60°	222.3	220.2	218.1	217.7	216.1
62.5°	204.0	202.3	197.3	196.9	194.4
65°	179.8	181.1	175.7	178.2	171.9
67.5°	156.9	156.5	153.6	152.4	149.0
70°	135.7	136.5	131.5	130.3	126.6
72.5°	114.5	113.2	108.2	106.2	104.1
75°	90.8	89.5	87.0	82.4	83.7
77.5°	69.1	67.4	65.8	60.8	59.5
80°	49.1	47.0	42.9	40.8	40.4
82.5°	29.6	28.3	25.4	22.9	21.6
85°	13.3	12.9	10.4	9.2	8.7
87.5°	3.3	2.9	2.5	2.5	2.1
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	22.4	24.0	22.7	24.3	24.6	22.3	23.9	22.7	24.3	24.6
	3H	24.1	25.6	24.5	25.9	26.3	24.0	25.4	24.3	25.8	26.1
	4H	24.7	26.1	25.1	26.5	26.9	24.5	25.9	24.9	26.2	26.6
	6H	25.1	26.4	25.5	26.8	27.2	24.8	26.1	25.2	26.4	26.8
	8H	25.2	26.4	25.6	26.8	27.2	24.8	26.1	25.3	26.5	26.9
	12H	25.2	26.4	25.7	26.8	27.2	24.9	26.0	25.3	26.4	26.8
4H	2H	23.0	24.4	23.4	24.7	25.1	22.9	24.3	23.3	24.7	25.0
	3H	25.0	26.1	25.4	26.5	26.9	24.8	25.9	25.2	26.3	26.7
	4H	25.7	26.7	26.1	27.1	27.6	25.4	26.5	25.9	26.9	27.3
	6H	26.2	27.1	26.6	27.5	28.0	25.8	26.7	26.3	27.2	27.6
	8H	26.3	27.1	26.7	27.6	28.0	25.9	26.7	26.3	27.2	27.6
	12H	26.3	27.1	26.8	27.6	28.0	25.9	26.7	26.4	27.1	27.6
8H	4H	25.9	26.8	26.4	27.2	27.7	25.7	26.6	26.2	27.0	27.5
	6H	26.5	27.2	27.0	27.7	28.2	26.2	26.9	26.7	27.4	27.8
	8H	26.6	27.3	27.1	27.8	28.3	26.3	26.9	26.8	27.4	27.9
	12H	26.7	27.3	27.2	27.8	28.3	26.3	26.9	26.8	27.3	27.9
12H	4H	25.9	26.7	26.4	27.2	27.6	25.7	26.5	26.2	27.0	27.4
	6H	26.5	27.1	27.0	27.6	28.1	26.2	26.8	26.7	27.3	27.8
	8H	26.7	27.2	27.2	27.7	28.3	26.3	26.9	26.8	27.4	27.9

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