

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: P1219872

Luminaire Tested: SEC3HSBATMWH-5000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219872
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMWH-5000k
Description: BAT SEL 1500 Motion 3H WH at 5000K

Light Source:
Ballast/Driver: -

Summary

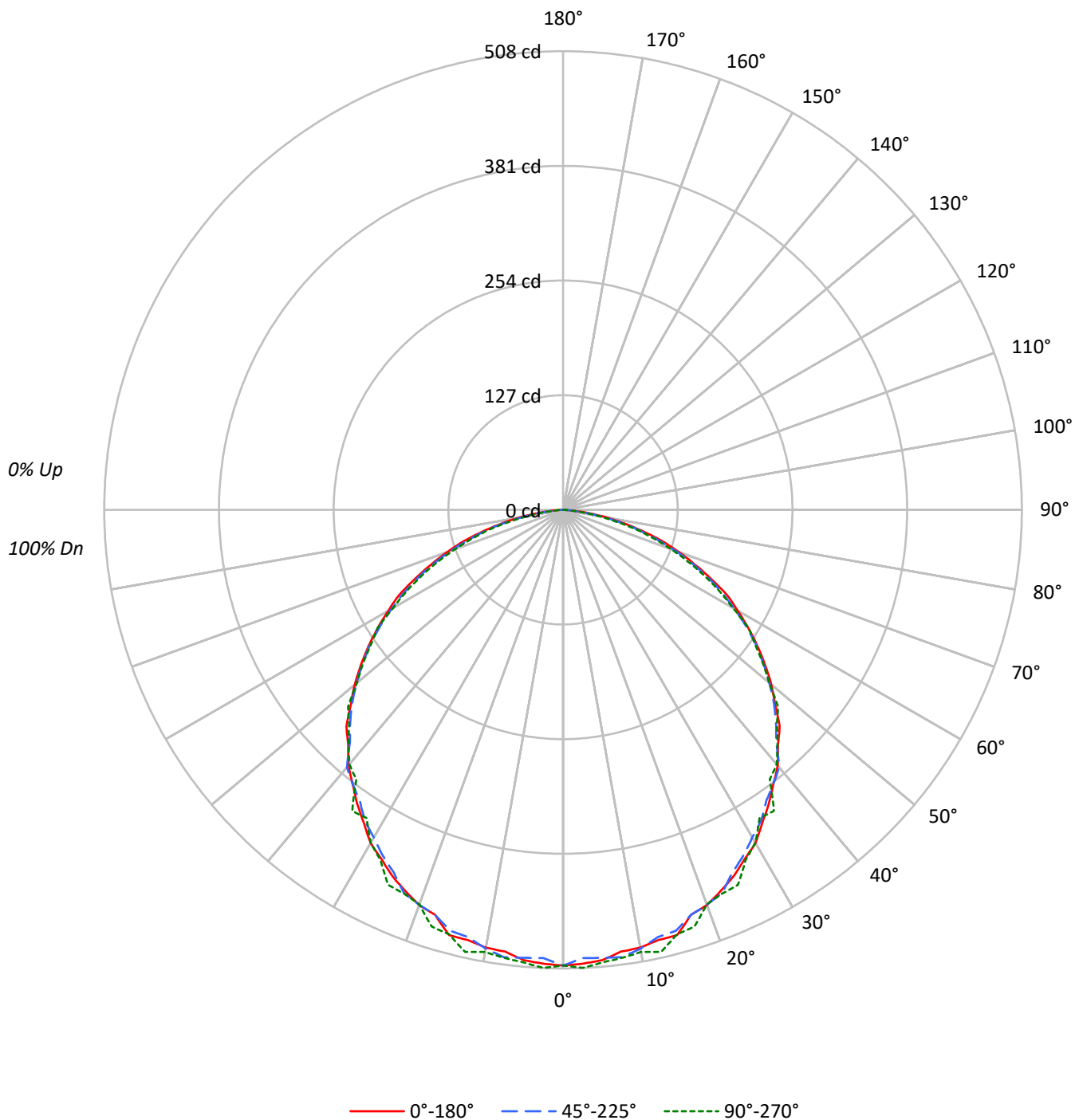
Lumens per Lamp: N/A
Luminaire Lumens: 1416.3 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.20
Total Harmonic Distortion (THDi): <31
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				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°	20125	20125	20125
5°	20033	19933	20133
10°	19929	19978	20131
15°	20129	19922	20092
20°	19766	19749	19732
25°	19684	19500	20164
30°	19620	19293	19601
35°	19336	19112	19808
40°	19240	19370	19157
45°	19124	18791	18887
50°	18675	18495	18470
55°	18259	18141	18023
60°	17804	17477	17310
65°	17046	16650	16291
70°	15887	15409	14815
75°	14048	13462	12954
80°	11341	9895	9321
85°	6129	4803	4025

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	3.4
10°-20°	136.4	9.6
20°-30°	206.5	14.6
30°-40°	248.4	17.5
40°-50°	259.0	18.3
50°-60°	233.9	16.5
60°-70°	175.5	12.4
70°-80°	92.3	6.5
80°-90°	16.7	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°	390.6	27.6
0°-40°	639.0	45.1
0°-60°	1131.9	79.9
0°-90°	1416.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1416.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	501	499	498	506	503	47
15°	488	486	483	488	487	136
25°	448	451	443	453	458	206
35°	397	397	393	402	407	249
45°	339	337	333	336	335	260
55°	263	266	261	261	259	235
65°	181	182	176	179	173	179
75°	91	90	87	83	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°	504.8	504.8	504.8	504.8	504.8
2.5°	503.1	505.7	496.9	504.0	507.8
5°	500.6	499.4	498.1	506.5	503.1
7.5°	493.5	500.2	499.8	499.4	500.6
10°	492.3	496.0	493.5	498.5	497.3
12.5°	488.1	491.9	484.7	491.0	501.5
15°	487.7	485.6	482.7	488.1	486.8
17.5°	470.5	467.2	470.5	477.2	483.9
20°	465.9	468.4	465.5	471.4	465.1
22.5°	456.7	458.8	459.7	458.8	460.1
25°	447.5	450.9	443.3	453.0	458.4
27.5°	435.8	435.4	432.0	437.5	437.5
30°	426.2	425.4	419.1	424.9	425.8
32.5°	410.7	407.8	408.2	407.8	404.9
35°	397.3	397.3	392.7	401.9	407.0
37.5°	382.7	383.5	382.7	383.5	376.0
40°	369.7	369.3	372.2	368.9	368.1
42.5°	352.2	353.8	349.2	353.8	351.3
45°	339.2	337.1	333.3	335.9	335.0
47.5°	318.3	316.6	316.6	319.1	322.9
50°	301.1	304.9	298.2	299.9	297.8
52.5°	281.9	281.9	279.4	282.3	279.0
55°	262.7	265.6	261.0	261.0	259.3
57.5°	243.0	245.1	240.1	241.7	243.4
60°	223.3	221.3	219.2	218.7	217.1
62.5°	204.9	203.3	198.2	197.8	195.3
65°	180.7	181.9	176.5	179.0	172.7
67.5°	157.7	157.3	154.3	153.1	149.7
70°	136.3	137.2	132.2	130.9	127.1
72.5°	115.0	113.8	108.7	106.7	104.6
75°	91.2	89.9	87.4	82.8	84.1
77.5°	69.4	67.8	66.1	61.1	59.8
80°	49.4	47.3	43.1	41.0	40.6
82.5°	29.7	28.4	25.5	23.0	21.7
85°	13.4	13.0	10.5	9.2	8.8
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	22.8	24.3	24.7	22.3	24.0	22.7	24.3	24.6
	3H	24.2	25.6	24.5	26.0	26.3	24.0	25.4	24.4	25.8	26.1
	4H	24.8	26.2	25.2	26.5	26.9	24.5	25.9	24.9	26.3	26.6
	6H	25.1	26.4	25.6	26.8	27.2	24.8	26.1	25.2	26.5	26.9
	8H	25.2	26.5	25.7	26.9	27.3	24.9	26.1	25.3	26.5	26.9
	12H	25.3	26.4	25.7	26.8	27.3	24.9	26.0	25.3	26.4	26.9
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	26.0	25.2	26.4	26.8
	4H	25.7	26.7	26.1	27.2	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	26.8	27.6	28.1	25.9	26.8	26.4	27.2	27.7
	12H	26.3	27.1	26.8	27.6	28.1	25.9	26.7	26.4	27.2	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	26.7	27.3	27.2	27.8	28.3	26.3	26.9	26.8	27.4	27.9
	12H	26.7	27.3	27.3	27.8	28.4	26.3	26.9	26.8	27.4	27.9
12H	4H	25.9	26.7	26.4	27.2	27.7	25.7	26.5	26.2	27.0	27.4
	6H	26.5	27.2	27.0	27.6	28.2	26.2	26.8	26.7	27.3	27.8
	8H	26.7	27.3	27.2	27.8	28.3	26.3	26.9	26.8	27.4	27.9

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