

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: P1219869

Luminaire Tested: SEC3HSBATMWH-2700K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219869
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMWH-2700K
Description: BAT SEL 1500 Motion 3H WH at 2700K

Light Source:
Ballast/Driver: -

Summary

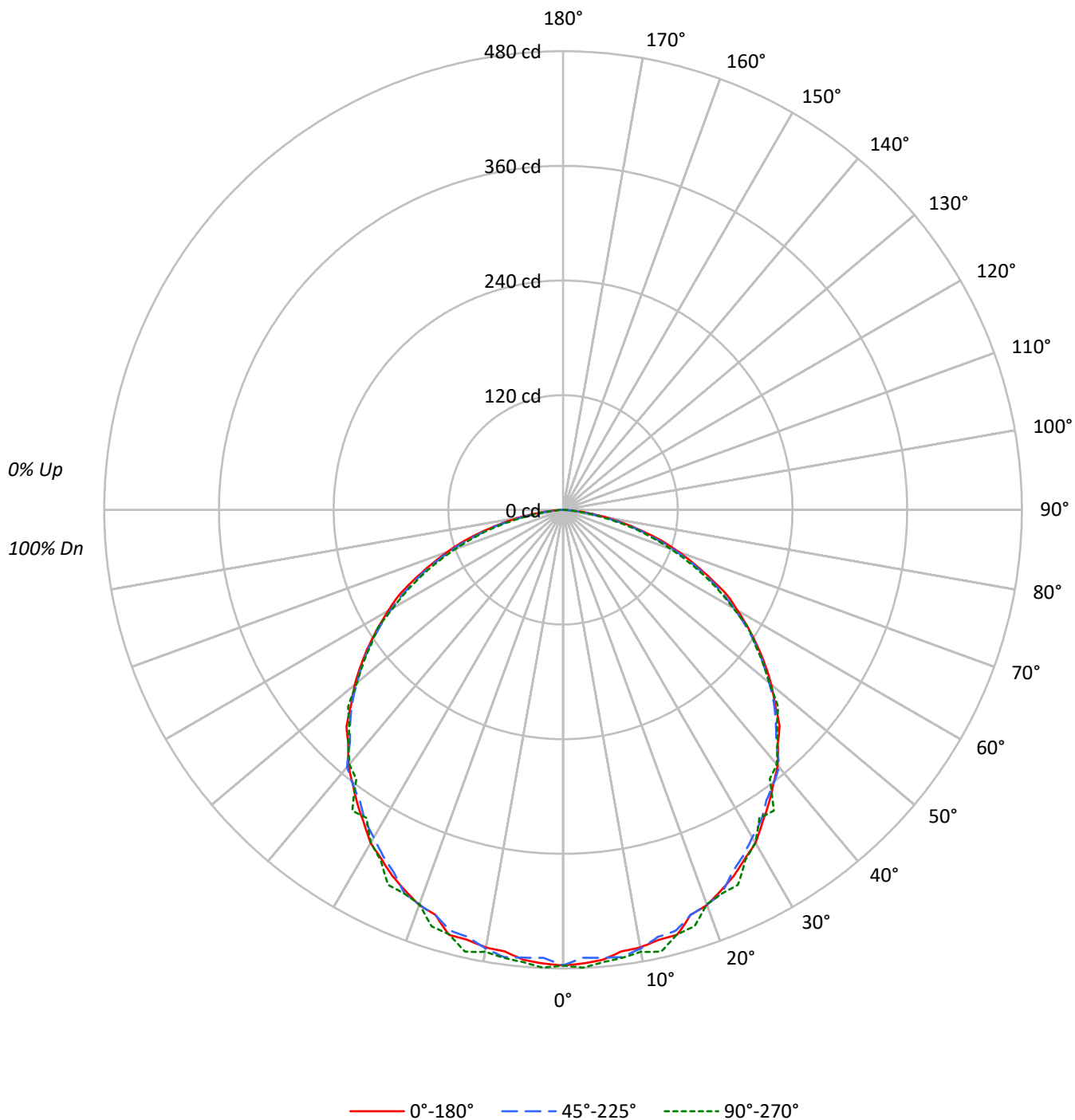
Lumens per Lamp: N/A
Luminaire Lumens: 1337.8 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): 120
Input Current (Ain): 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

TEST NUMBER: P1219869

CATALOG NUMBER: SEC3HSBATMWH-2700K

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°	19008	19008	19008
5°	18925	18829	19021
10°	18824	18872	19014
15°	19010	18816	18981
20°	18671	18654	18637
25°	18594	18422	19047
30°	18533	18225	18515
35°	18265	18056	18708
40°	18173	18298	18095
45°	18064	17754	17838
50°	17639	17471	17447
55°	17244	17133	17022
60°	16824	16505	16345
65°	16102	15725	15395
70°	15013	14547	13999
75°	13262	12723	12230
80°	10698	9344	8793
85°	5763	4528	3797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18064 cd/sqm

TEST NUMBER: P1219869

CATALOG NUMBER: SEC3HSBATMWH-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	3.4
10°-20°	128.9	9.6
20°-30°	195.1	14.6
30°-40°	234.6	17.5
40°-50°	244.6	18.3
50°-60°	220.9	16.5
60°-70°	165.8	12.4
70°-80°	87.1	6.5
80°-90°	15.7	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°	369.0	27.6
0°-40°	603.6	45.1
0°-60°	1069.2	79.9
0°-90°	1337.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1337.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	473	472	470	478	475	45
15°	461	459	456	461	460	128
25°	423	426	419	428	433	195
35°	375	375	371	380	384	235
45°	320	318	315	317	316	245
55°	248	251	246	246	245	222
65°	171	172	167	169	163	169
75°	86	85	83	78	79	92
85°	13	12	10	9	8	18
90°	0	0	0	0	0	

TEST NUMBER: P1219869

CATALOG NUMBER: SEC3HSBATMWH-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	476.8	476.8	476.8	476.8	476.8
2.5°	475.3	477.6	469.3	476.1	479.6
5°	472.9	471.7	470.5	478.4	475.3
7.5°	466.2	472.5	472.1	471.7	472.9
10°	465.0	468.5	466.2	470.9	469.7
12.5°	461.0	464.6	457.9	463.8	473.7
15°	460.6	458.7	455.9	461.0	459.9
17.5°	444.4	441.3	444.4	450.8	457.1
20°	440.1	442.5	439.7	445.2	439.3
22.5°	431.4	433.4	434.2	433.4	434.6
25°	422.7	425.9	418.8	427.9	433.0
27.5°	411.7	411.3	408.1	413.2	413.2
30°	402.6	401.8	395.9	401.4	402.2
32.5°	388.0	385.2	385.6	385.2	382.4
35°	375.3	375.3	371.0	379.7	384.4
37.5°	361.5	362.3	361.5	362.3	355.2
40°	349.2	348.8	351.6	348.4	347.7
42.5°	332.6	334.2	329.9	334.2	331.9
45°	320.4	318.4	314.9	317.2	316.4
47.5°	300.6	299.1	299.1	301.4	305.0
50°	284.4	288.0	281.7	283.3	281.3
52.5°	266.3	266.3	263.9	266.7	263.5
55°	248.1	250.9	246.5	246.5	244.9
57.5°	229.5	231.5	226.8	228.3	229.9
60°	211.0	209.0	207.0	206.6	205.0
62.5°	193.6	192.0	187.3	186.9	184.5
65°	170.7	171.9	166.7	169.1	163.2
67.5°	148.9	148.5	145.8	144.6	141.4
70°	128.8	129.6	124.8	123.7	120.1
72.5°	108.6	107.5	102.7	100.7	98.8
75°	86.1	84.9	82.6	78.2	79.4
77.5°	65.6	64.0	62.4	57.7	56.5
80°	46.6	44.6	40.7	38.7	38.3
82.5°	28.0	26.9	24.1	21.7	20.5
85°	12.6	12.2	9.9	8.7	8.3
87.5°	3.2	2.8	2.4	2.4	2.0
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	22.2	23.8	22.6	24.1	24.5	22.1	23.8	22.5	24.1	24.4
	3H	24.0	25.4	24.3	25.8	26.1	23.8	25.3	24.2	25.6	25.9
	4H	24.6	26.0	25.0	26.3	26.7	24.3	25.7	24.7	26.1	26.4
	6H	24.9	26.2	25.4	26.6	27.0	24.6	25.9	25.0	26.3	26.7
	8H	25.0	26.3	25.5	26.7	27.1	24.7	25.9	25.1	26.3	26.7
	12H	25.1	26.2	25.5	26.6	27.1	24.7	25.8	25.1	26.2	26.7
4H	2H	22.8	24.2	23.2	24.5	24.9	22.7	24.1	23.1	24.5	24.8
	3H	24.8	25.9	25.2	26.3	26.7	24.6	25.8	25.0	26.2	26.6
	4H	25.5	26.5	25.9	27.0	27.4	25.2	26.3	25.7	26.7	27.1
	6H	26.0	26.9	26.4	27.3	27.8	25.6	26.5	26.1	27.0	27.4
	8H	26.1	26.9	26.6	27.4	27.9	25.7	26.6	26.2	27.0	27.5
	12H	26.1	26.9	26.6	27.4	27.9	25.7	26.5	26.2	27.0	27.4
8H	4H	25.7	26.6	26.2	27.0	27.5	25.5	26.4	26.0	26.8	27.3
	6H	26.3	27.0	26.8	27.5	28.0	26.0	26.7	26.5	27.2	27.6
	8H	26.5	27.1	27.0	27.6	28.1	26.1	26.7	26.6	27.2	27.7
	12H	26.5	27.1	27.1	27.6	28.2	26.1	26.7	26.6	27.2	27.7
12H	4H	25.7	26.5	26.2	27.0	27.5	25.5	26.3	26.0	26.8	27.2
	6H	26.3	27.0	26.8	27.4	28.0	26.0	26.6	26.5	27.1	27.6
	8H	26.5	27.1	27.0	27.6	28.1	26.1	26.7	26.6	27.2	27.7

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