

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: P1219862

Luminaire Tested: SECHSBATMWH-5000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219862
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-5000k
Description: BAT SEL 1200 Motion 2H WH at 5000K

Light Source:
Ballast/Driver: -

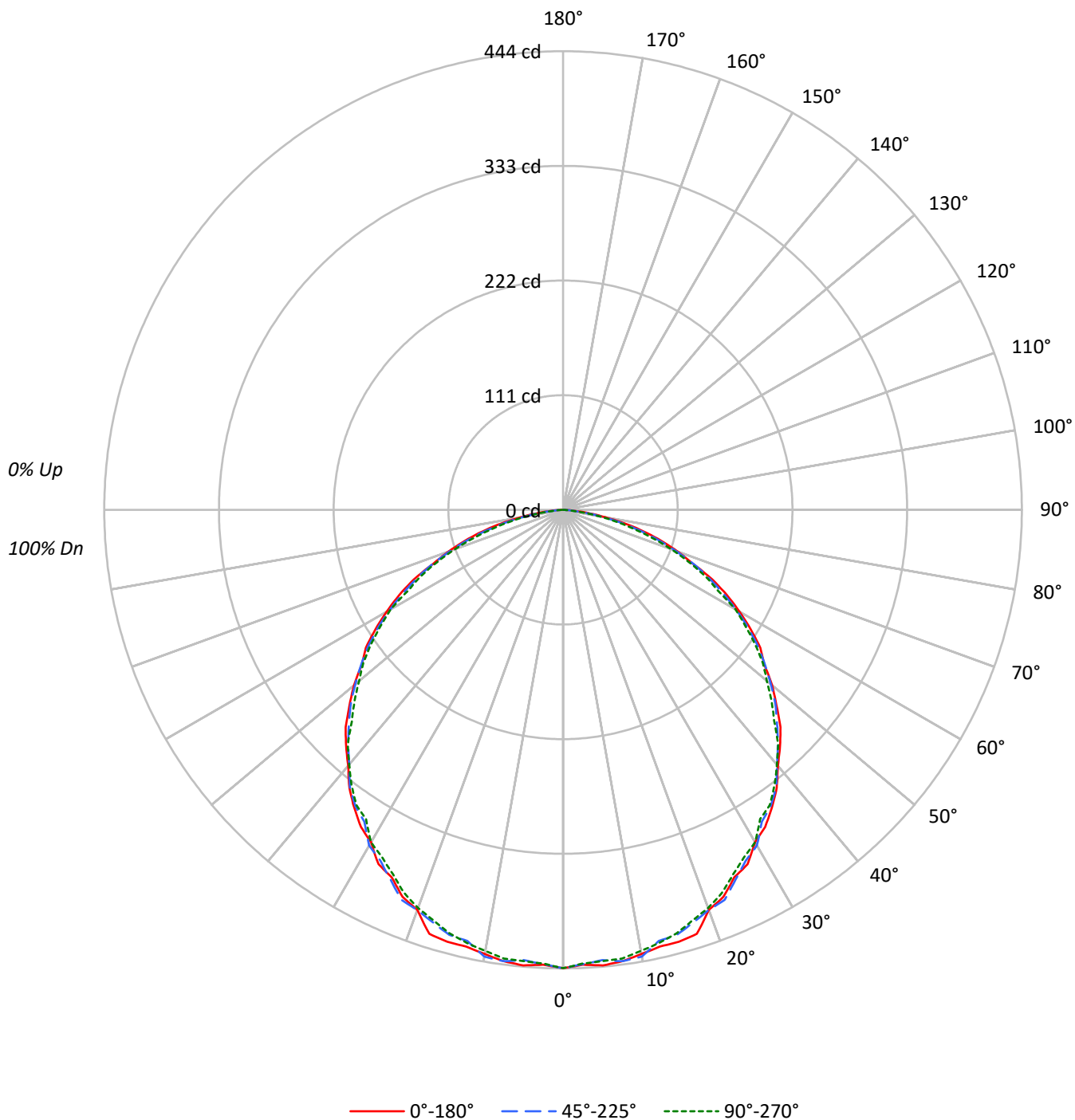
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1236.9 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.19
Total Harmonic Distortion (THDi): <30
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	97	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	81	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°	25472	25472	25472
5°	25511	25218	25275
10°	25451	25597	25276
15°	25734	25312	25223
20°	25182	25182	25060
25°	24855	25020	24665
30°	24633	24871	24633
35°	24690	24550	24444
40°	24236	24123	24123
45°	24153	23780	23455
50°	23578	23444	22988
55°	23320	23020	22710
60°	22619	22205	22090
65°	21653	21096	20620
70°	19773	19336	18665
75°	17900	16769	15659
80°	13753	12265	11406
85°	7707	5335	3689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24153 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	3.4
10°-20°	120.0	9.7
20°-30°	181.4	14.7
30°-40°	218.1	17.6
40°-50°	225.8	18.3
50°-60°	203.8	16.5
60°-70°	152.6	12.3
70°-80°	79.8	6.5
80°-90°	13.7	1.1
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°	343.3	27.8
0°-40°	561.3	45.4
0°-60°	990.9	80.1
0°-90°	1236.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1236.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	443	440	438	438	439	42
15°	433	423	426	416	424	122
25°	392	396	395	388	389	182
35°	352	350	350	345	349	220
45°	298	294	293	290	289	228
55°	233	231	230	225	227	207
65°	159	156	155	151	152	156
75°	81	78	76	72	71	85
85°	12	11	8	7	6	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	443.7	443.7	443.7	443.7	443.7
2.5°	440.7	444.2	440.2	439.1	439.6
5°	442.7	439.6	437.6	438.1	438.6
7.5°	440.7	438.1	440.7	436.1	438.1
10°	436.6	435.1	439.1	435.6	433.6
12.5°	433.0	430.5	427.5	428.0	429.5
15°	433.0	423.4	425.9	416.3	424.4
17.5°	430.5	417.8	418.8	422.4	416.8
20°	412.2	410.7	412.2	411.2	410.2
22.5°	405.6	405.1	408.7	399.5	401.6
25°	392.4	395.5	395.0	387.9	389.4
27.5°	386.8	384.3	382.8	384.3	379.2
30°	371.6	374.2	375.2	372.6	371.6
32.5°	364.0	362.5	357.9	357.9	354.9
35°	352.3	349.8	350.3	345.2	348.8
37.5°	339.6	336.6	338.6	330.5	336.1
40°	323.4	324.4	321.9	321.9	321.9
42.5°	310.7	309.7	307.7	303.1	308.2
45°	297.5	294.5	292.9	290.4	288.9
47.5°	280.2	279.2	278.7	273.1	273.6
50°	264.0	263.0	262.5	259.9	257.4
52.5°	245.2	244.7	246.2	242.7	243.7
55°	233.0	231.0	230.0	224.9	226.9
57.5°	215.3	210.2	212.2	207.6	209.2
60°	197.0	194.9	193.4	188.3	192.4
62.5°	178.7	175.1	174.1	170.6	168.5
65°	159.4	156.4	155.3	150.8	151.8
67.5°	135.5	138.1	136.6	132.0	131.5
70°	117.8	117.8	115.2	111.7	111.2
72.5°	99.5	98.0	96.0	92.4	90.9
75°	80.7	77.7	75.6	71.6	70.6
77.5°	61.4	58.9	56.4	52.8	52.3
80°	41.6	40.1	37.1	34.0	34.5
82.5°	25.9	24.4	21.3	18.8	18.8
85°	11.7	10.7	8.1	6.6	5.6
87.5°	2.5	2.0	1.5	1.0	1.0
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	23.1	24.8	23.5	25.1	25.4	23.0	24.6	23.4	25.0	25.3
	3H	24.9	26.4	25.3	26.7	27.0	24.7	26.2	25.1	26.5	26.8
	4H	25.5	26.9	25.9	27.2	27.6	25.2	26.6	25.6	27.0	27.3
	6H	25.9	27.2	26.3	27.5	27.9	25.5	26.8	25.9	27.2	27.6
	8H	26.0	27.2	26.4	27.6	28.0	25.6	26.8	26.0	27.2	27.6
	12H	26.0	27.2	26.4	27.6	28.0	25.6	26.7	26.0	27.1	27.6
4H	2H	23.7	25.1	24.1	25.5	25.9	23.7	25.0	24.1	25.4	25.8
	3H	25.7	26.9	26.1	27.3	27.7	25.5	26.7	25.9	27.1	27.5
	4H	26.4	27.5	26.9	27.9	28.3	26.2	27.2	26.6	27.6	28.1
	6H	26.9	27.8	27.4	28.3	28.7	26.6	27.5	27.0	27.9	28.4
	8H	27.0	27.9	27.5	28.3	28.8	26.6	27.5	27.1	27.9	28.4
	12H	27.1	27.9	27.6	28.3	28.8	26.6	27.4	27.1	27.9	28.3
8H	4H	26.7	27.5	27.1	28.0	28.4	26.4	27.3	26.9	27.7	28.2
	6H	27.2	27.9	27.7	28.4	28.9	26.9	27.6	27.4	28.1	28.6
	8H	27.4	28.0	27.9	28.5	29.0	27.0	27.6	27.5	28.1	28.6
	12H	27.5	28.0	28.0	28.5	29.1	27.0	27.6	27.5	28.1	28.6
12H	4H	26.7	27.5	27.2	27.9	28.4	26.5	27.2	26.9	27.7	28.2
	6H	27.3	27.9	27.8	28.4	28.9	26.9	27.6	27.4	28.0	28.6
	8H	27.4	28.0	27.9	28.5	29.1	27.0	27.6	27.5	28.1	28.6

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Peachtree City, GA 30269



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