

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: P1219863

Luminaire Tested: SECHSBATMWH-6500k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219863
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-6500k
Description: BAT SEL 1200 Motion 2H WH at 6500K

Light Source:
Ballast/Driver: -

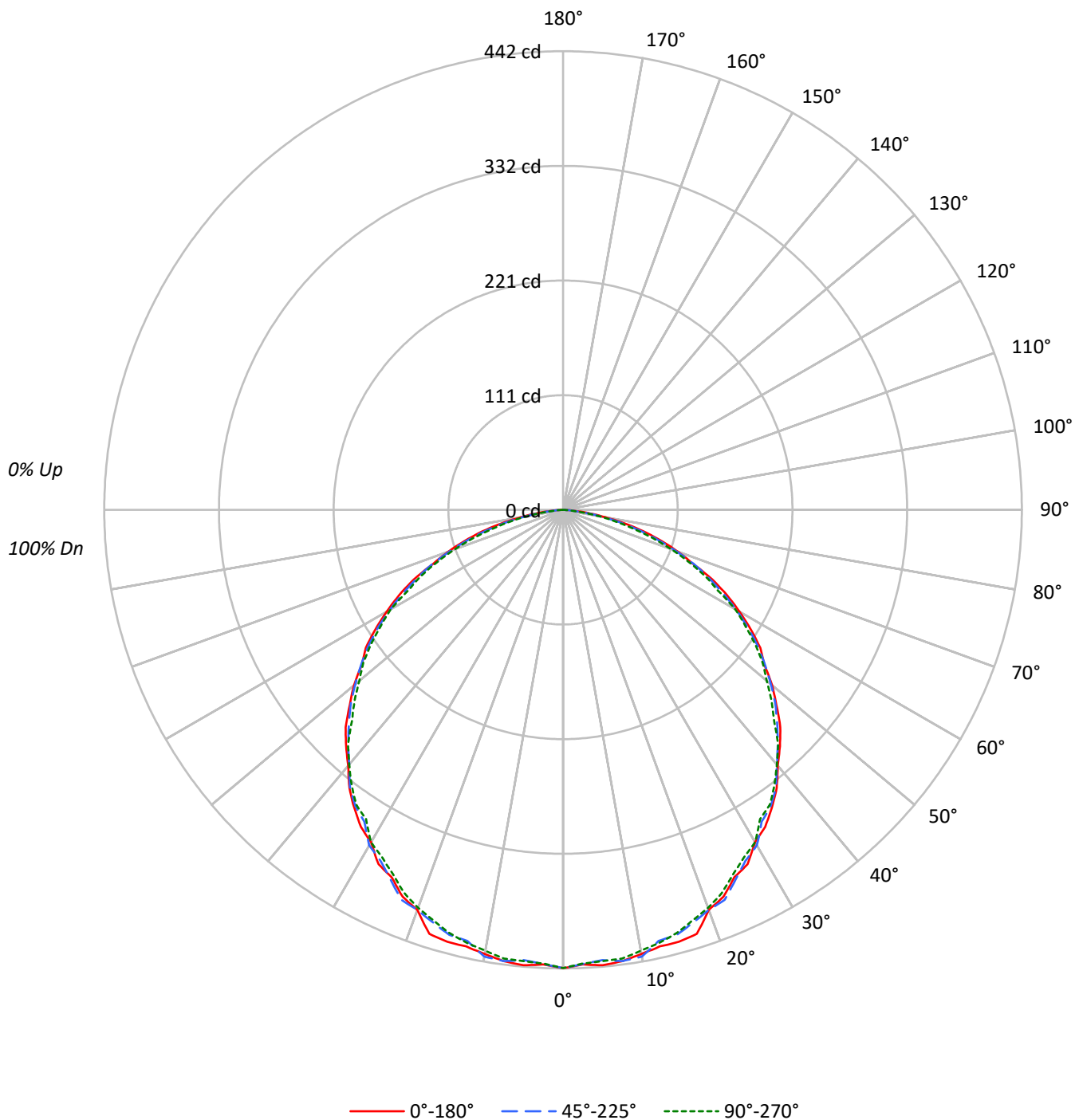
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1231.2 lumens
Efficiency: N/A
Efficacy: 128.2 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: >0.25
Total Harmonic Distortion (THDi): <36
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	100	97	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	73	70		
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59		
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51		
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	50	46	44		
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38		
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34		
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	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	27	37	31	26	37	31	26	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25351	25351	25351
5°	25390	25102	25160
10°	25334	25480	25153
15°	25615	25199	25104
20°	25066	25066	24944
25°	24741	24900	24551
30°	24520	24752	24520
35°	24578	24437	24325
40°	24123	24011	24011
45°	24039	23674	23341
50°	23471	23328	22881
55°	23210	22910	22610
60°	22515	22102	21987
65°	21557	21001	20525
70°	19672	19252	18581
75°	17811	16702	15571
80°	13687	12199	11373
85°	7641	5335	3689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24039 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	3.4
10°-20°	119.4	9.7
20°-30°	180.6	14.7
30°-40°	217.0	17.6
40°-50°	224.7	18.3
50°-60°	202.8	16.5
60°-70°	151.8	12.3
70°-80°	79.4	6.4
80°-90°	13.6	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°	341.7	27.8
0°-40°	558.7	45.4
0°-60°	986.3	80.1
0°-90°	1231.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	441	438	436	436	437	42
15°	431	421	424	414	422	121
25°	391	394	393	386	388	181
35°	351	348	349	344	347	219
45°	296	293	292	289	288	227
55°	232	230	229	224	226	206
65°	159	156	155	150	151	155
75°	80	77	75	71	70	84
85°	12	11	8	7	6	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.6	441.6	441.6	441.6	441.6
2.5°	438.6	442.1	438.1	437.1	437.6
5°	440.6	437.6	435.6	436.1	436.6
7.5°	438.6	436.1	438.6	434.1	436.1
10°	434.6	433.0	437.1	433.6	431.5
12.5°	431.0	428.5	425.5	426.0	427.5
15°	431.0	421.4	424.0	414.4	422.4
17.5°	428.5	415.9	416.9	420.4	414.9
20°	410.3	408.8	410.3	409.3	408.3
22.5°	403.7	403.2	406.8	397.7	399.7
25°	390.6	393.6	393.1	386.1	387.6
27.5°	385.0	382.5	381.0	382.5	377.5
30°	369.9	372.4	373.4	370.9	369.9
32.5°	362.3	360.8	356.2	356.2	353.2
35°	350.7	348.2	348.7	343.6	347.1
37.5°	338.1	335.0	337.0	329.0	334.5
40°	321.9	322.9	320.4	320.4	320.4
42.5°	309.2	308.2	306.2	301.7	306.7
45°	296.1	293.1	291.6	289.0	287.5
47.5°	278.9	277.9	277.4	271.9	272.4
50°	262.8	261.7	261.2	258.7	256.2
52.5°	244.1	243.6	245.1	241.5	242.5
55°	231.9	229.9	228.9	223.9	225.9
57.5°	214.3	209.2	211.2	206.7	208.2
60°	196.1	194.0	192.5	187.5	191.5
62.5°	177.9	174.3	173.3	169.8	167.8
65°	158.7	155.6	154.6	150.1	151.1
67.5°	134.9	137.4	135.9	131.4	130.9
70°	117.2	117.2	114.7	111.2	110.7
72.5°	99.0	97.5	95.5	92.0	90.4
75°	80.3	77.3	75.3	71.2	70.2
77.5°	61.1	58.6	56.1	52.6	52.0
80°	41.4	39.9	36.9	33.9	34.4
82.5°	25.8	24.3	21.2	18.7	18.7
85°	11.6	10.6	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	24.7	23.5	25.1	25.4	23.0	24.6	23.4	24.9	25.3
	3H	24.9	26.3	25.2	26.7	27.0	24.7	26.1	25.1	26.5	26.8
	4H	25.5	26.9	25.9	27.2	27.6	25.2	26.6	25.6	26.9	27.3
	6H	25.9	27.2	26.3	27.5	27.9	25.5	26.8	25.9	27.2	27.5
	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	27.5	28.0	25.6	26.7	26.0	27.1	27.5
4H	2H	23.7	25.1	24.1	25.5	25.8	23.6	25.0	24.0	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	28.0
	6H	26.9	27.8	27.4	28.3	28.7	26.5	27.4	27.0	27.9	28.3
	8H	27.0	27.9	27.5	28.3	28.8	26.6	27.5	27.1	27.9	28.4
	12H	27.1	27.8	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	28.5
	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	27.5	27.5	28.0	28.6
12H	4H	26.7	27.4	27.2	27.9	28.4	26.4	27.2	26.9	27.7	28.2
	6H	27.2	27.9	27.8	28.3	28.9	26.9	27.5	27.4	28.0	28.5
	8H	27.4	28.0	27.9	28.5	29.0	27.0	27.6	27.5	28.1	28.6

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