

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: P1219859

Luminaire Tested: SECHSBATMWH-2700K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219859
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-2700K
Description: BAT SEL 1200 Motion 2H WH at 2700K

Light Source:
Ballast/Driver: -

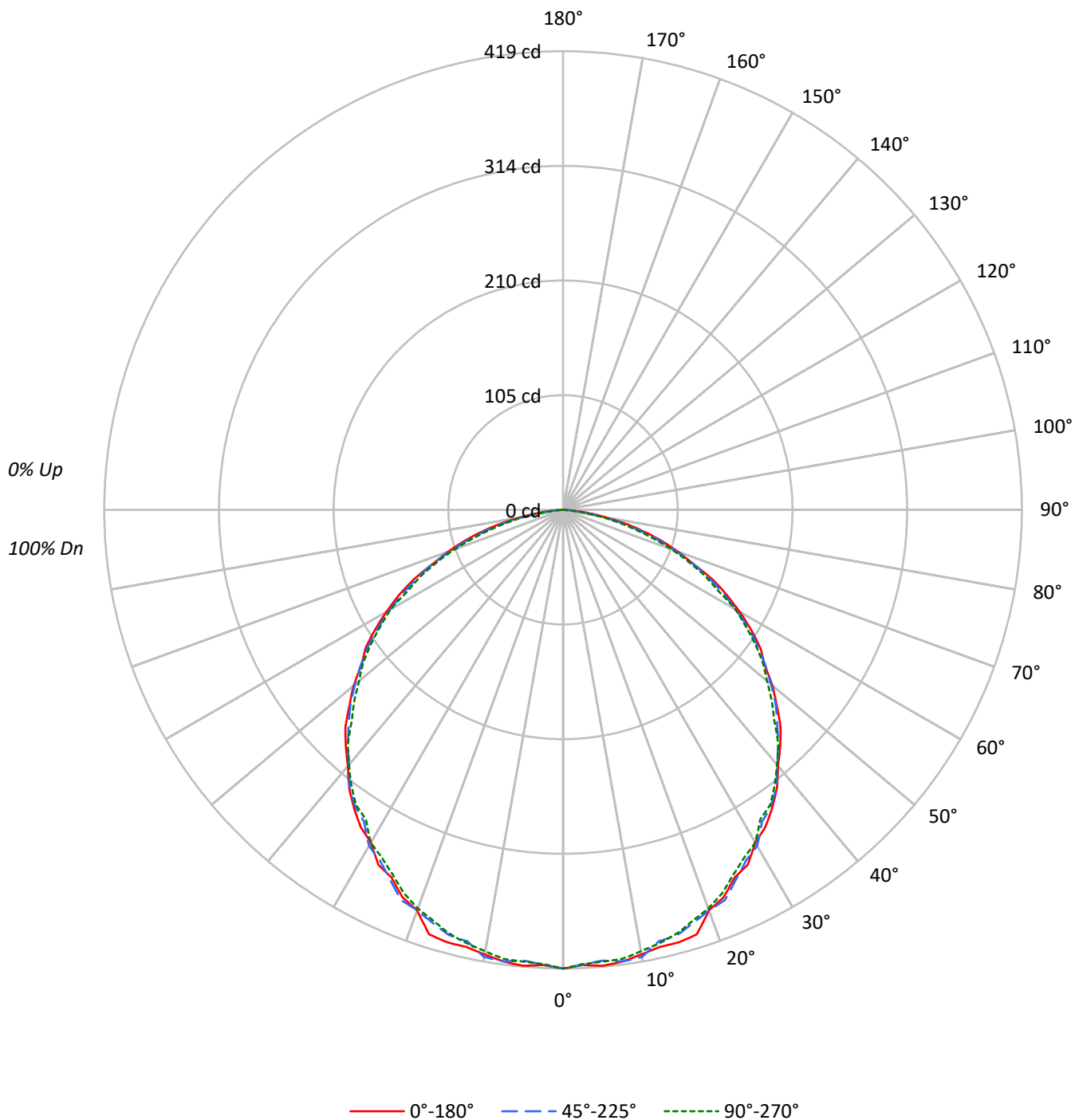
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1168.4 lumens
Efficiency: N/A
Efficacy: 121.7 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: >0.9
Total Harmonic Distortion (THDi): <20
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°	24060	24060	24060
5°	24100	23823	23875
10°	24040	24180	23871
15°	24308	23910	23827
20°	23789	23789	23673
25°	23481	23633	23297
30°	23267	23493	23267
35°	23323	23190	23085
40°	22894	22782	22782
45°	22813	22464	22156
50°	22274	22140	21711
55°	22029	21739	21459
60°	21367	20977	20862
65°	20457	19927	19479
70°	18682	18279	17624
75°	16902	15859	14794
80°	12992	11571	10777
85°	7245	5072	3491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	3.4
10°-20°	113.3	9.7
20°-30°	171.4	14.7
30°-40°	206.0	17.6
40°-50°	213.2	18.3
50°-60°	192.5	16.5
60°-70°	144.1	12.3
70°-80°	75.4	6.5
80°-90°	12.9	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°	324.2	27.8
0°-40°	530.2	45.4
0°-60°	935.9	80.1
0°-90°	1168.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1168.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	419	419	419	419	419	
5°	418	415	413	414	414	40
15°	409	400	402	393	401	115
25°	371	374	373	366	368	172
35°	333	330	331	326	329	208
45°	281	278	277	274	273	216
55°	220	218	217	212	214	195
65°	151	148	147	142	143	147
75°	76	73	72	68	67	80
85°	11	10	8	6	5	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	419.1	419.1	419.1	419.1	419.1
2.5°	416.2	419.6	415.8	414.8	415.3
5°	418.2	415.3	413.4	413.8	414.3
7.5°	416.2	413.8	416.2	411.9	413.8
10°	412.4	411.0	414.8	411.4	409.5
12.5°	409.0	406.6	403.8	404.2	405.7
15°	409.0	399.9	402.3	393.2	400.9
17.5°	406.6	394.7	395.6	399.0	393.7
20°	389.4	387.9	389.4	388.4	387.5
22.5°	383.1	382.7	386.0	377.4	379.3
25°	370.7	373.6	373.1	366.4	367.8
27.5°	365.4	363.0	361.6	363.0	358.2
30°	351.0	353.4	354.4	352.0	351.0
32.5°	343.8	342.4	338.1	338.1	335.2
35°	332.8	330.4	330.9	326.1	329.4
37.5°	320.8	317.9	319.9	312.2	317.5
40°	305.5	306.4	304.0	304.0	304.0
42.5°	293.5	292.5	290.6	286.3	291.1
45°	281.0	278.1	276.7	274.3	272.9
47.5°	264.7	263.7	263.3	258.0	258.5
50°	249.4	248.4	247.9	245.5	243.1
52.5°	231.6	231.1	232.6	229.2	230.2
55°	220.1	218.2	217.2	212.4	214.4
57.5°	203.3	198.5	200.4	196.1	197.6
60°	186.1	184.1	182.7	177.9	181.7
62.5°	168.8	165.4	164.5	161.1	159.2
65°	150.6	147.7	146.7	142.4	143.4
67.5°	128.0	130.4	129.0	124.7	124.2
70°	111.3	111.3	108.9	105.5	105.0
72.5°	94.0	92.6	90.6	87.3	85.8
75°	76.2	73.4	71.5	67.6	66.7
77.5°	58.0	55.6	53.2	49.9	49.4
80°	39.3	37.9	35.0	32.1	32.6
82.5°	24.5	23.0	20.1	17.7	17.7
85°	11.0	10.1	7.7	6.2	5.3
87.5°	2.4	1.9	1.4	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	22.9	24.6	23.3	24.9	25.2	22.8	24.4	23.2	24.8	25.1
	3H	24.7	26.2	25.1	26.5	26.8	24.5	26.0	24.9	26.3	26.7
	4H	25.3	26.7	25.7	27.0	27.4	25.0	26.4	25.4	26.8	27.1
	6H	25.7	27.0	26.1	27.3	27.7	25.3	26.6	25.7	27.0	27.4
	8H	25.8	27.0	26.2	27.4	27.8	25.4	26.6	25.8	27.0	27.4
	12H	25.8	27.0	26.2	27.4	27.8	25.4	26.5	25.8	26.9	27.4
4H	2H	23.5	24.9	23.9	25.3	25.7	23.5	24.8	23.9	25.2	25.6
	3H	25.5	26.7	25.9	27.1	27.5	25.3	26.5	25.7	26.9	27.3
	4H	26.2	27.3	26.7	27.7	28.1	26.0	27.0	26.4	27.4	27.9
	6H	26.7	27.6	27.2	28.1	28.5	26.4	27.3	26.8	27.7	28.2
	8H	26.8	27.7	27.3	28.1	28.6	26.4	27.3	26.9	27.7	28.2
	12H	26.9	27.7	27.4	28.1	28.6	26.4	27.2	26.9	27.7	28.1
8H	4H	26.5	27.3	26.9	27.8	28.2	26.2	27.1	26.7	27.5	28.0
	6H	27.0	27.7	27.5	28.2	28.7	26.7	27.4	27.2	27.9	28.4
	8H	27.2	27.8	27.7	28.3	28.8	26.8	27.4	27.3	27.9	28.4
	12H	27.3	27.8	27.8	28.3	28.9	26.8	27.4	27.3	27.9	28.4
12H	4H	26.5	27.3	27.0	27.7	28.2	26.3	27.0	26.7	27.5	28.0
	6H	27.1	27.7	27.6	28.2	28.7	26.7	27.4	27.2	27.8	28.4
	8H	27.2	27.8	27.8	28.3	28.9	26.8	27.4	27.3	27.9	28.4

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Peachtree City, GA 30269



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