

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: P1219849

Luminaire Tested: SECHSBATMWH-2700K

Issue Date: 1/8/2026

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-2019
Report Number: P1219849
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMWH-2700K
Description: BAT SEL 800 Motion 1H WH at 2700K

Light Source:
Ballast/Driver: -

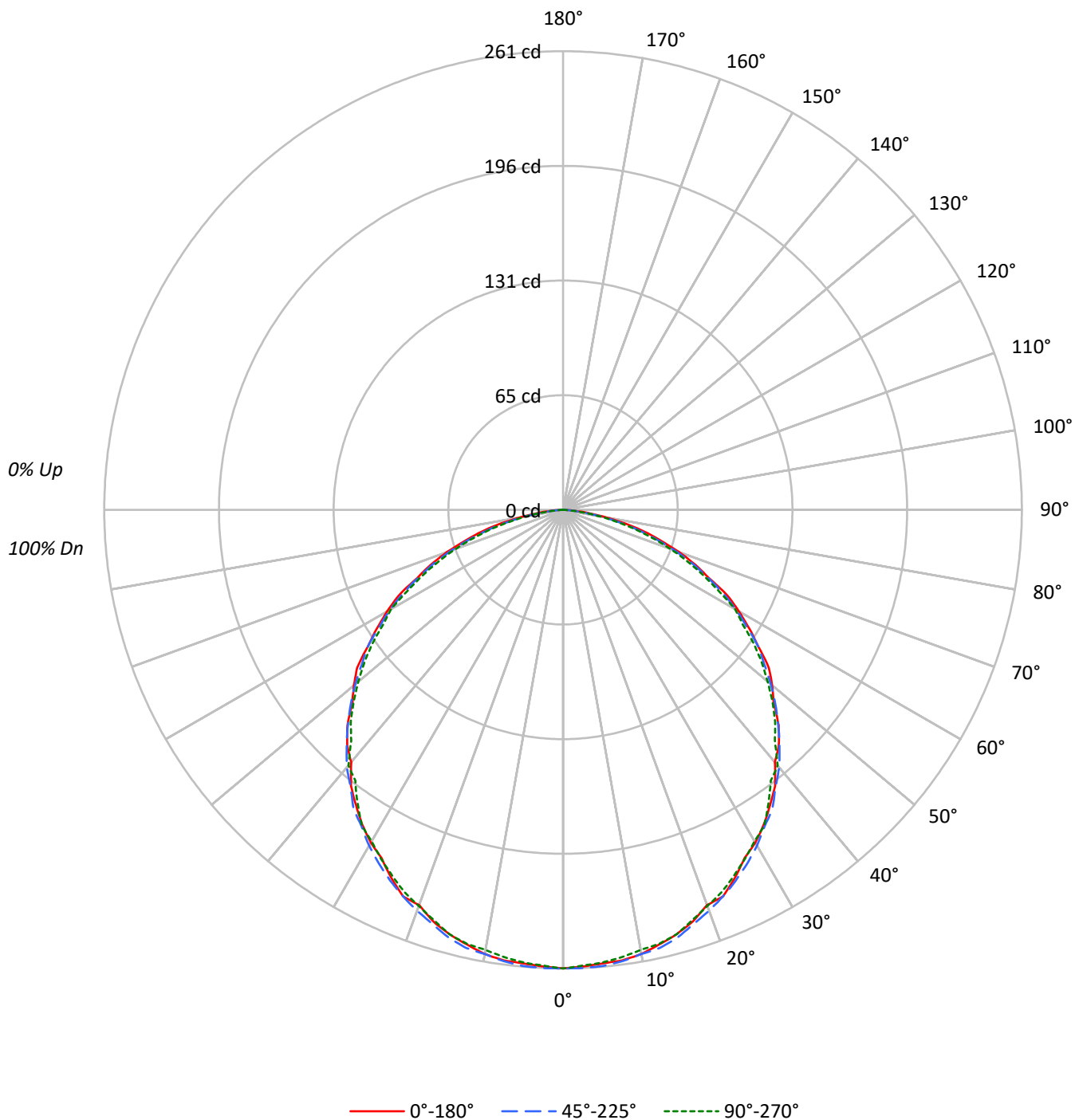
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 728.1 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 6.8
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

TEST NUMBER: P1219849
CATALOG NUMBER: SECHSBATMWH-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1219849

CATALOG NUMBER: SECHSBATMWH-2700K

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	96	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	80	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°	26756	26756	26756
5°	26663	26817	26611
10°	26721	26721	26471
15°	26532	26734	26532
20°	26117	26488	26171
25°	26151	26321	25993
30°	25888	26125	25782
35°	25692	25993	25505
40°	25092	25600	25413
45°	25153	25095	24747
50°	24768	24608	24225
55°	24235	24235	23628
60°	23660	23271	23168
65°	22146	21928	21346
70°	21041	20172	19452
75°	19052	17507	16754
80°	14759	13047	12220
85°	8469	6234	5646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 25158 cd/sqm

TEST NUMBER: P1219849

CATALOG NUMBER: SECHSBATMWH-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	3.4
10°-20°	70.6	9.7
20°-30°	106.7	14.6
30°-40°	128.5	17.6
40°-50°	133.0	18.3
50°-60°	119.9	16.5
60°-70°	89.4	12.3
70°-80°	47.0	6.5
80°-90°	8.4	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°	201.9	27.7
0°-40°	330.4	45.4
0°-60°	583.2	80.1
0°-90°	728.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	261	261	261	261	261	
5°	259	260	261	259	259	25
15°	250	250	252	250	250	70
25°	231	230	233	232	230	106
35°	205	206	208	204	204	128
45°	174	173	173	170	171	133
55°	136	135	136	133	132	122
65°	91	92	90	89	88	92
75°	48	46	44	42	42	50
85°	7	6	5	5	5	10
90°	0	0	0	0	0	

TEST NUMBER: P1219849

CATALOG NUMBER: SECHSBATMWH-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	261.0	261.0	261.0	261.0	261.0
2.5°	260.1	260.1	261.0	259.1	259.6
5°	259.1	260.1	260.6	258.6	258.6
7.5°	258.6	257.7	259.1	258.6	256.7
10°	256.7	255.7	256.7	255.3	254.3
12.5°	253.3	251.9	255.3	254.3	252.9
15°	250.0	250.0	251.9	249.5	250.0
17.5°	245.6	247.6	247.1	245.2	244.7
20°	239.4	241.3	242.8	241.8	239.9
22.5°	238.0	237.0	238.0	237.5	235.6
25°	231.2	229.8	232.7	232.2	229.8
27.5°	223.5	225.9	226.9	225.0	224.0
30°	218.7	219.7	220.7	218.7	217.8
32.5°	212.5	212.5	213.4	211.0	213.0
35°	205.3	205.7	207.7	204.3	203.8
37.5°	198.1	200.0	198.5	196.1	194.2
40°	187.5	191.3	191.3	189.4	189.9
42.5°	181.7	182.2	182.2	180.8	178.3
45°	173.5	172.6	173.1	170.2	170.7
47.5°	162.5	165.8	163.9	162.0	161.5
50°	155.3	155.8	154.3	151.9	151.9
52.5°	147.6	145.7	144.2	142.8	142.3
55°	135.6	135.1	135.6	133.2	132.2
57.5°	125.5	125.5	124.0	121.6	121.1
60°	115.4	114.9	113.5	111.0	113.0
62.5°	105.3	102.9	102.4	99.5	99.5
65°	91.3	92.3	90.4	88.9	88.0
67.5°	81.2	81.2	79.3	76.9	76.4
70°	70.2	69.2	67.3	65.4	64.9
72.5°	58.2	57.7	55.8	53.8	53.4
75°	48.1	46.1	44.2	42.3	42.3
77.5°	36.5	35.1	32.7	31.2	30.8
80°	25.0	24.0	22.1	21.2	20.7
82.5°	15.4	14.4	12.5	11.5	11.1
85°	7.2	6.2	5.3	4.8	4.8
87.5°	1.4	1.4	1.4	1.0	1.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219849

CATALOG NUMBER: SECHSBATMWH-2700K

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	23.4	25.0	23.7	25.3	25.6	23.1	24.8	23.5	25.1	25.4
	3H	25.1	26.6	25.5	26.9	27.3	24.8	26.3	25.2	26.6	27.0
	4H	25.7	27.1	26.1	27.5	27.8	25.4	26.7	25.8	27.1	27.5
	6H	26.1	27.4	26.5	27.8	28.2	25.7	27.0	26.1	27.3	27.7
	8H	26.2	27.4	26.6	27.8	28.2	25.7	26.9	26.1	27.3	27.7
	12H	26.2	27.4	26.7	27.8	28.2	25.7	26.9	26.2	27.3	27.7
4H	2H	24.0	25.3	24.4	25.7	26.1	23.8	25.2	24.2	25.5	25.9
	3H	25.9	27.1	26.3	27.5	27.9	25.7	26.8	26.1	27.2	27.6
	4H	26.6	27.7	27.1	28.1	28.5	26.3	27.3	26.7	27.8	28.2
	6H	27.1	28.1	27.6	28.5	28.9	26.7	27.6	27.2	28.1	28.5
	8H	27.3	28.1	27.7	28.5	29.0	26.8	27.6	27.2	28.1	28.5
	12H	27.3	28.1	27.8	28.5	29.0	26.8	27.6	27.3	28.0	28.5
8H	4H	26.9	27.7	27.3	28.2	28.6	26.6	27.4	27.0	27.9	28.3
	6H	27.5	28.2	27.9	28.6	29.1	27.0	27.8	27.5	28.2	28.7
	8H	27.6	28.2	28.1	28.7	29.2	27.1	27.8	27.7	28.3	28.8
	12H	27.7	28.3	28.2	28.7	29.3	27.2	27.7	27.7	28.2	28.8
12H	4H	26.9	27.7	27.4	28.1	28.6	26.6	27.4	27.1	27.8	28.3
	6H	27.5	28.1	28.0	28.6	29.1	27.1	27.7	27.6	28.2	28.7
	8H	27.7	28.2	28.2	28.7	29.3	27.2	27.8	27.7	28.2	28.8

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



(END OF REPORT)