

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: P1219846

Luminaire Tested: SECHSBATMBLK-4000k

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: P1219846
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-4000k
Description: BAT SEL 800 Motion 1H Blk at 4000K

Light Source:
Ballast/Driver: -

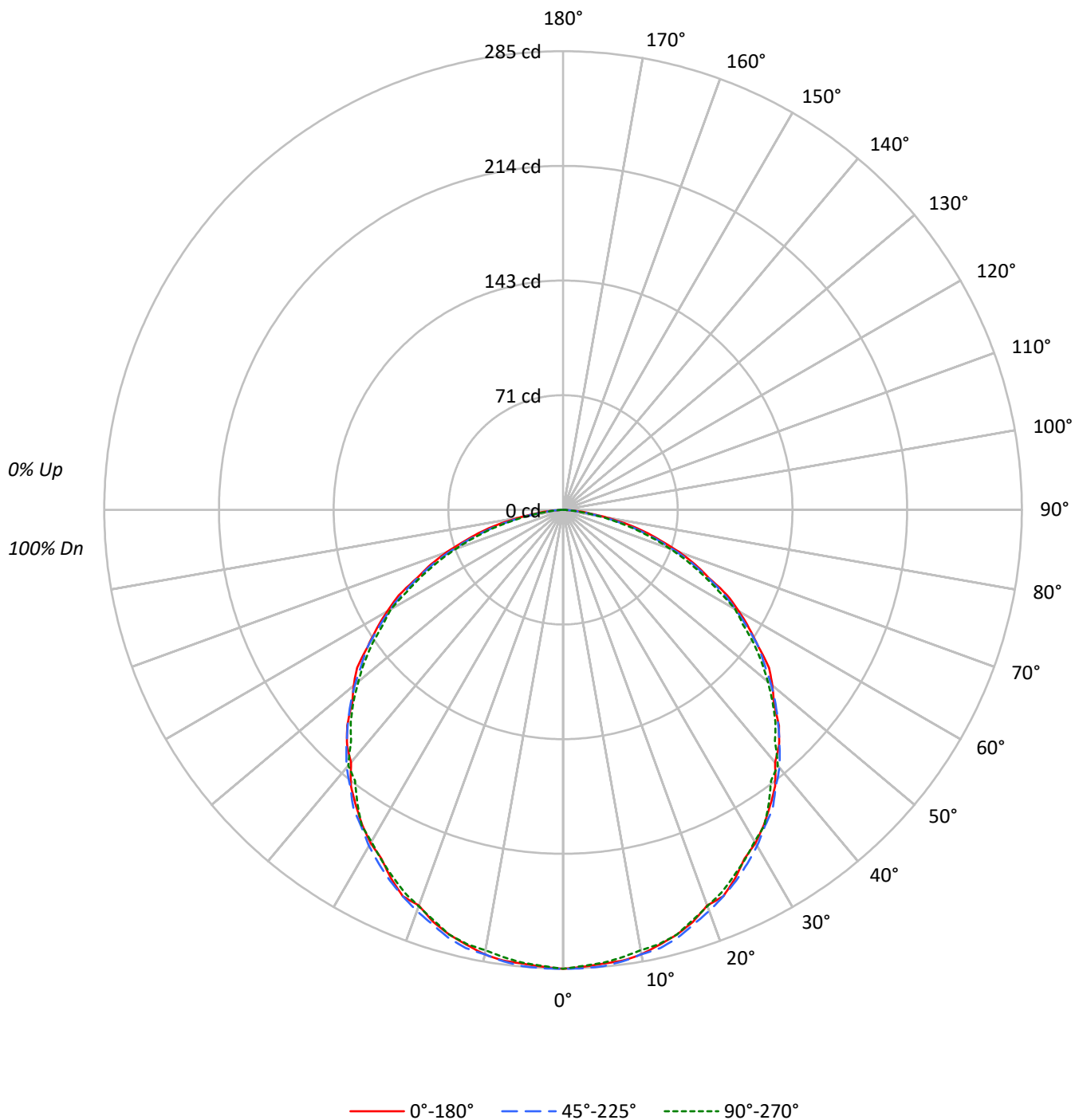
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 795.6 lumens
Efficiency: N/A
Efficacy: 117.0 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: >0.15
Total Harmonic Distortion (THDi): <26
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1219846
CATALOG NUMBER: SECHSBATMBLK-4000k

Luminous Intensity Polar Plot



TEST NUMBER: P1219846

CATALOG NUMBER: SECHSBATMBLK-4000k

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	3.4
10°-20°	77.1	9.7
20°-30°	116.5	14.6
30°-40°	140.4	17.6
40°-50°	145.3	18.3
50°-60°	131.0	16.5
60°-70°	97.7	12.3
70°-80°	51.3	6.5
80°-90°	9.3	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°	220.6	27.7
0°-40°	361.0	45.4
0°-60°	637.3	80.1
0°-90°	795.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	795.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	285	285	285	285	285	
5°	283	284	285	283	283	27
15°	273	273	275	273	273	77
25°	253	251	254	254	251	116
35°	224	225	227	223	223	140
45°	190	189	189	186	186	145
55°	148	148	148	146	144	133
65°	100	101	99	97	96	100
75°	52	50	48	46	46	55
85°	8	7	6	5	5	11
90°	0	0	0	0	0	

TEST NUMBER: P1219846

CATALOG NUMBER: SECHSBATMBLK-4000k

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.2	285.2	285.2	285.2	285.2
2.5°	284.2	284.2	285.2	283.1	283.7
5°	283.1	284.2	284.7	282.6	282.6
7.5°	282.6	281.6	283.1	282.6	280.5
10°	280.5	279.5	280.5	278.9	277.9
12.5°	276.8	275.3	278.9	277.9	276.3
15°	273.2	273.2	275.3	272.6	273.2
17.5°	268.4	270.5	270.0	267.9	267.4
20°	261.6	263.7	265.3	264.2	262.1
22.5°	260.0	259.0	260.0	259.5	257.4
25°	252.7	251.1	254.3	253.7	251.1
27.5°	244.3	246.9	247.9	245.8	244.8
30°	239.0	240.1	241.1	239.0	238.0
32.5°	232.2	232.2	233.2	230.6	232.7
35°	224.3	224.8	226.9	223.3	222.7
37.5°	216.4	218.5	217.0	214.3	212.2
40°	204.9	209.1	209.1	207.0	207.5
42.5°	198.6	199.1	199.1	197.5	194.9
45°	189.6	188.6	189.1	186.0	186.5
47.5°	177.6	181.2	179.1	177.0	176.5
50°	169.7	170.2	168.6	166.0	166.0
52.5°	161.3	159.2	157.6	156.0	155.5
55°	148.1	147.6	148.1	145.5	144.5
57.5°	137.1	137.1	135.5	132.9	132.4
60°	126.1	125.6	124.0	121.3	123.4
62.5°	115.0	112.4	111.9	108.7	108.7
65°	99.8	100.9	98.8	97.2	96.1
67.5°	88.8	88.8	86.7	84.1	83.5
70°	76.7	75.6	73.5	71.4	70.9
72.5°	63.6	63.0	60.9	58.8	58.3
75°	52.5	50.4	48.3	46.2	46.2
77.5°	39.9	38.3	35.7	34.1	33.6
80°	27.3	26.3	24.2	23.1	22.6
82.5°	16.8	15.8	13.7	12.6	12.1
85°	7.9	6.8	5.8	5.3	5.3
87.5°	1.6	1.6	1.6	1.1	1.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219846

CATALOG NUMBER: SECHSBATMBLK-4000k

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	23.7	25.3	24.0	25.6	25.9	23.4	25.1	23.8	25.4	25.7
	3H	25.4	26.9	25.8	27.2	27.6	25.1	26.6	25.5	26.9	27.3
	4H	26.0	27.4	26.4	27.8	28.2	25.7	27.1	26.1	27.4	27.8
	6H	26.4	27.7	26.8	28.1	28.5	26.0	27.3	26.4	27.6	28.0
	8H	26.5	27.7	26.9	28.1	28.5	26.0	27.2	26.4	27.6	28.0
	12H	26.6	27.7	27.0	28.1	28.5	26.0	27.2	26.5	27.6	28.0
4H	2H	24.3	25.7	24.7	26.0	26.4	24.1	25.5	24.5	25.8	26.2
	3H	26.2	27.4	26.6	27.8	28.2	26.0	27.1	26.4	27.5	27.9
	4H	27.0	28.0	27.4	28.4	28.9	26.6	27.7	27.0	28.1	28.5
	6H	27.4	28.4	27.9	28.8	29.3	27.0	27.9	27.5	28.4	28.8
	8H	27.6	28.4	28.0	28.9	29.3	27.1	27.9	27.5	28.4	28.8
	12H	27.6	28.4	28.1	28.9	29.3	27.1	27.9	27.6	28.3	28.8
8H	4H	27.2	28.0	27.7	28.5	29.0	26.9	27.7	27.3	28.2	28.6
	6H	27.8	28.5	28.3	29.0	29.4	27.4	28.1	27.8	28.5	29.0
	8H	27.9	28.5	28.4	29.1	29.5	27.5	28.1	28.0	28.6	29.1
	12H	28.0	28.6	28.5	29.1	29.6	27.5	28.1	28.0	28.5	29.1
12H	4H	27.2	28.0	27.7	28.4	28.9	26.9	27.7	27.4	28.1	28.6
	6H	27.8	28.4	28.3	28.9	29.4	27.4	28.0	27.9	28.5	29.0
	8H	28.0	28.5	28.5	29.0	29.6	27.5	28.1	28.0	28.6	29.1

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)