

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: P1219844

Luminaire Tested: SECHSBATMBLK-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: P1219844
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-2700K
Description: BAT SEL 800 Motion 1H Blk at 2700K

Light Source:
Ballast/Driver: -

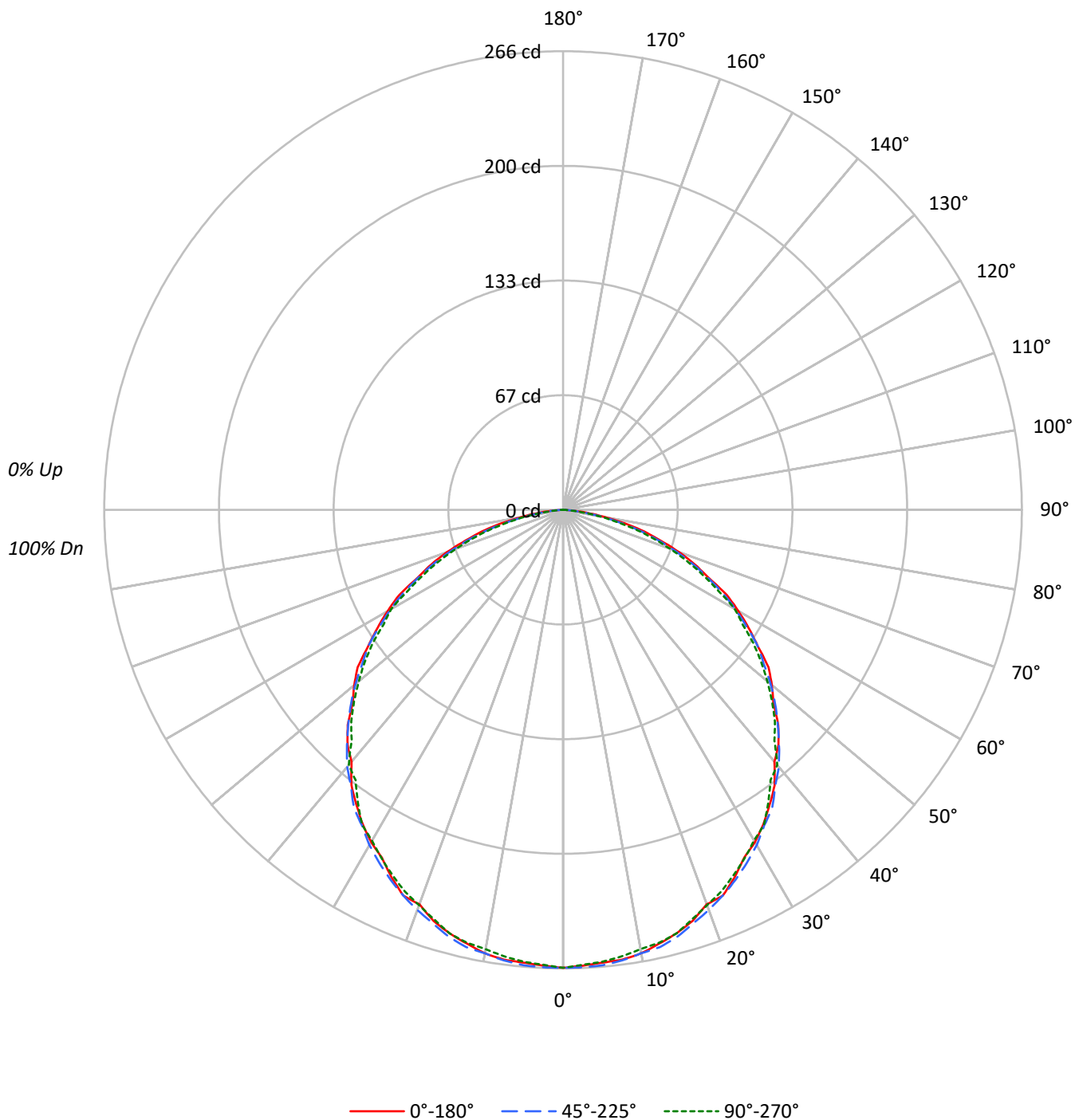
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 740.7 lumens
Efficiency: N/A
Efficacy: 108.9 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: P1219844
CATALOG NUMBER: SECHSBATMBLK-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1219844

CATALOG NUMBER: SECHSBATMBLK-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	109	104	100	96	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	61		59
4	83	71	62	55	80	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°	27228	27228	27228
5°	27126	27280	27074
10°	27190	27190	26929
15°	26989	27201	26989
20°	26564	26946	26619
25°	26604	26773	26445
30°	26338	26575	26219
35°	26130	26443	25955
40°	25520	26042	25854
45°	25588	25530	25168
50°	25198	25039	24640
55°	24646	24646	24039
60°	24070	23660	23558
65°	22535	22292	21710
70°	21401	20531	19782
75°	19368	17824	17032
80°	14995	13283	12397
85°	8586	6352	5763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 25598 cd/sqm

TEST NUMBER: P1219844

CATALOG NUMBER: SECHSBATMBLK-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	3.4
10°-20°	71.8	9.7
20°-30°	108.5	14.6
30°-40°	130.7	17.6
40°-50°	135.3	18.3
50°-60°	122.0	16.5
60°-70°	91.0	12.3
70°-80°	47.8	6.5
80°-90°	8.6	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°	205.4	27.7
0°-40°	336.1	45.4
0°-60°	593.3	80.1
0°-90°	740.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	266	266	266	266	266	
5°	264	265	265	263	263	25
15°	254	254	256	254	254	72
25°	235	234	237	236	234	108
35°	209	209	211	208	207	130
45°	176	176	176	173	174	135
55°	138	137	138	136	134	124
65°	93	94	92	90	90	93
75°	49	47	45	43	43	51
85°	7	6	5	5	5	10
90°	0	0	0	0	0	

TEST NUMBER: P1219844

CATALOG NUMBER: SECHSBATMBLK-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	265.6	265.6	265.6	265.6	265.6
2.5°	264.6	264.6	265.6	263.6	264.1
5°	263.6	264.6	265.1	263.1	263.1
7.5°	263.1	262.1	263.6	263.1	261.2
10°	261.2	260.2	261.2	259.7	258.7
12.5°	257.7	256.3	259.7	258.7	257.2
15°	254.3	254.3	256.3	253.8	254.3
17.5°	249.9	251.9	251.4	249.4	248.9
20°	243.5	245.5	247.0	246.0	244.0
22.5°	242.1	241.1	242.1	241.6	239.6
25°	235.2	233.8	236.7	236.2	233.8
27.5°	227.4	229.9	230.8	228.9	227.9
30°	222.5	223.5	224.5	222.5	221.5
32.5°	216.2	216.2	217.1	214.7	216.7
35°	208.8	209.3	211.3	207.8	207.4
37.5°	201.5	203.4	202.0	199.5	197.6
40°	190.7	194.6	194.6	192.7	193.2
42.5°	184.9	185.4	185.4	183.9	181.4
45°	176.5	175.6	176.1	173.1	173.6
47.5°	165.3	168.7	166.8	164.8	164.3
50°	158.0	158.5	157.0	154.5	154.5
52.5°	150.1	148.2	146.7	145.2	144.8
55°	137.9	137.4	137.9	135.5	134.5
57.5°	127.6	127.6	126.2	123.7	123.2
60°	117.4	116.9	115.4	113.0	114.9
62.5°	107.1	104.7	104.2	101.2	101.2
65°	92.9	93.9	91.9	90.5	89.5
67.5°	82.6	82.6	80.7	78.2	77.8
70°	71.4	70.4	68.5	66.5	66.0
72.5°	59.2	58.7	56.7	54.8	54.3
75°	48.9	46.9	45.0	43.0	43.0
77.5°	37.2	35.7	33.3	31.8	31.3
80°	25.4	24.5	22.5	21.5	21.0
82.5°	15.6	14.7	12.7	11.7	11.2
85°	7.3	6.4	5.4	4.9	4.9
87.5°	1.5	1.5	1.5	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1219844

CATALOG NUMBER: SECHSBATMBLK-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	23.8	25.4	25.7	23.2	24.8	23.6	25.1	25.5
	3H	25.2	26.6	25.6	27.0	27.3	24.9	26.3	25.2	26.7	27.0
	4H	25.8	27.2	26.2	27.5	27.9	25.4	26.8	25.8	27.2	27.5
	6H	26.2	27.5	26.6	27.8	28.2	25.7	27.0	26.1	27.4	27.8
	8H	26.3	27.5	26.7	27.9	28.3	25.8	27.0	26.2	27.4	27.8
	12H	26.3	27.5	26.7	27.9	28.3	25.8	27.0	26.2	27.3	27.8
4H	2H	24.0	25.4	24.4	25.7	26.1	23.8	25.2	24.2	25.6	25.9
	3H	26.0	27.1	26.4	27.5	27.9	25.7	26.9	26.1	27.3	27.7
	4H	26.7	27.8	27.1	28.2	28.6	26.4	27.4	26.8	27.8	28.3
	6H	27.2	28.1	27.7	28.6	29.0	26.8	27.7	27.2	28.1	28.6
	8H	27.3	28.2	27.8	28.6	29.1	26.8	27.7	27.3	28.1	28.6
	12H	27.4	28.1	27.8	28.6	29.1	26.9	27.6	27.3	28.1	28.6
8H	4H	26.9	27.8	27.4	28.2	28.7	26.6	27.5	27.1	27.9	28.4
	6H	27.5	28.2	28.0	28.7	29.2	27.1	27.8	27.6	28.3	28.8
	8H	27.7	28.3	28.2	28.8	29.3	27.2	27.8	27.7	28.3	28.8
	12H	27.8	28.3	28.3	28.8	29.4	27.2	27.8	27.8	28.3	28.9
12H	4H	27.0	27.7	27.4	28.2	28.7	26.7	27.4	27.1	27.9	28.4
	6H	27.5	28.2	28.1	28.6	29.2	27.1	27.8	27.7	28.2	28.8
	8H	27.7	28.3	28.2	28.8	29.3	27.3	27.8	27.8	28.3	28.9

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)