

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: P1219845

Luminaire Tested: SECHSBATMBLK-3000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219845
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-3000k
Description: BAT SEL 800 Motion 1H Blk at 3000K

Light Source:
Ballast/Driver: -

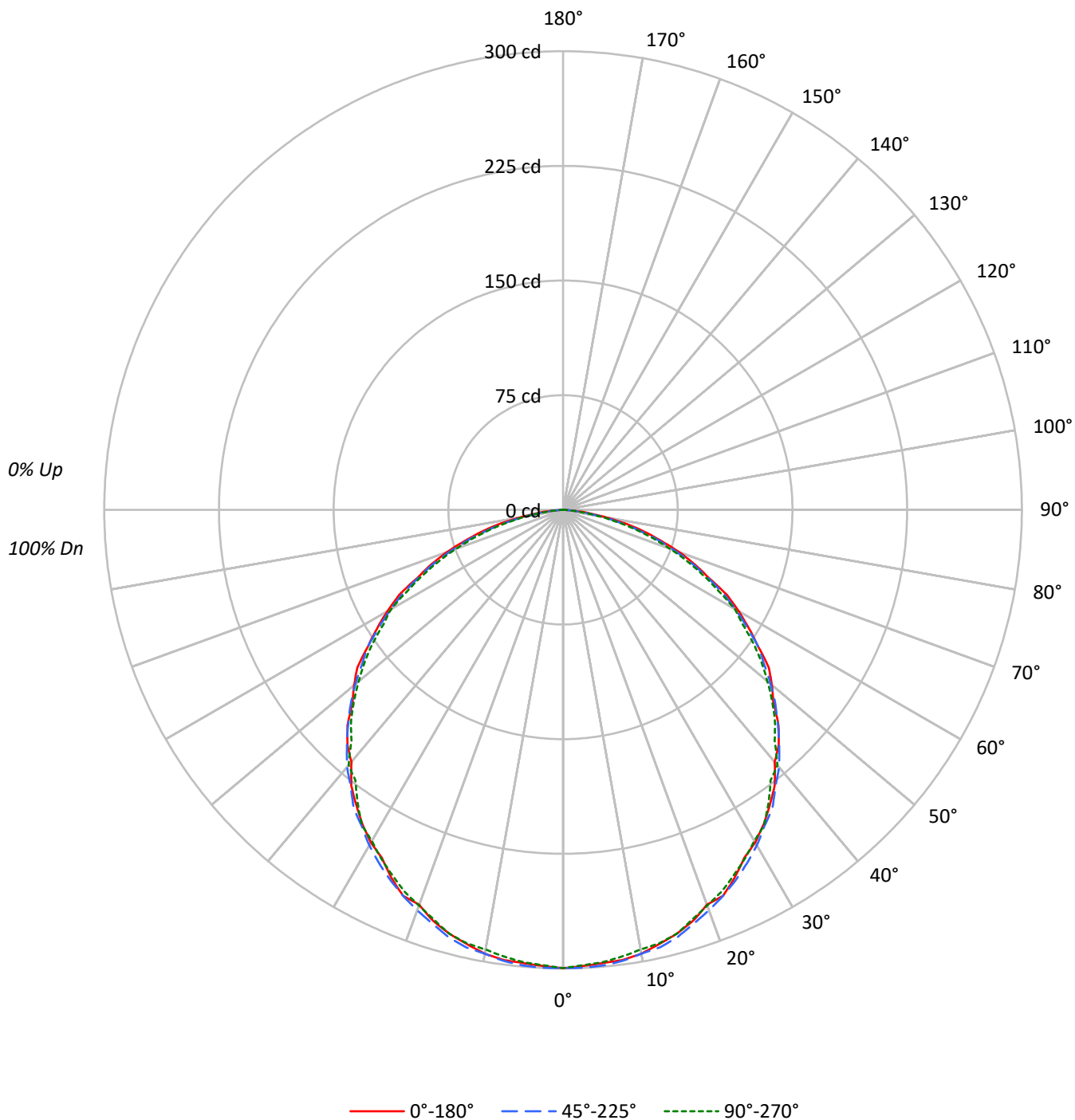
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 836.2 lumens
Efficiency: N/A
Efficacy: 123.0 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: >0.9
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			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°	30734	30734	30734
5°	30625	30789	30563
10°	30687	30687	30396
15°	30470	30703	30470
20°	29990	30415	30055
25°	30031	30223	29850
30°	29735	29996	29605
35°	29497	29847	29297
40°	28812	29401	29187
45°	28894	28807	28415
50°	28436	28260	27814
55°	27828	27828	27131
60°	27166	26715	26592
65°	25445	25179	24499
70°	24158	23169	22330
75°	21864	20121	19250
80°	16943	14995	13991
85°	9763	7175	6469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 47.5°

Luminance: 28906 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	3.4
10°-20°	81.0	9.7
20°-30°	122.5	14.6
30°-40°	147.6	17.6
40°-50°	152.7	18.3
50°-60°	137.7	16.5
60°-70°	102.7	12.3
70°-80°	54.0	6.5
80°-90°	9.7	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°	231.9	27.7
0°-40°	379.4	45.4
0°-60°	669.8	80.1
0°-90°	836.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	300	300	300	300	300	
5°	298	299	299	297	297	28
15°	287	287	289	286	287	81
25°	266	264	267	267	264	122
35°	236	236	238	235	234	147
45°	199	198	199	195	196	153
55°	156	155	156	153	152	140
65°	105	106	104	102	101	105
75°	55	53	51	49	49	58
85°	8	7	6	6	6	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	299.8	299.8	299.8	299.8	299.8
2.5°	298.7	298.7	299.8	297.6	298.1
5°	297.6	298.7	299.2	297.0	297.0
7.5°	297.0	295.9	297.6	297.0	294.8
10°	294.8	293.7	294.8	293.1	292.0
12.5°	290.9	289.3	293.1	292.0	290.4
15°	287.1	287.1	289.3	286.5	287.1
17.5°	282.1	284.3	283.8	281.5	281.0
20°	274.9	277.1	278.8	277.7	275.5
22.5°	273.3	272.2	273.3	272.7	270.5
25°	265.5	263.9	267.2	266.6	263.9
27.5°	256.7	259.5	260.6	258.4	257.3
30°	251.2	252.3	253.4	251.2	250.1
32.5°	244.0	244.0	245.1	242.4	244.6
35°	235.7	236.3	238.5	234.6	234.1
37.5°	227.4	229.7	228.0	225.2	223.0
40°	215.3	219.7	219.7	217.5	218.1
42.5°	208.7	209.2	209.2	207.6	204.8
45°	199.3	198.2	198.7	195.4	196.0
47.5°	186.6	190.5	188.3	186.0	185.5
50°	178.3	178.9	177.2	174.4	174.4
52.5°	169.5	167.3	165.6	164.0	163.4
55°	155.7	155.1	155.7	152.9	151.8
57.5°	144.1	144.1	142.4	139.7	139.1
60°	132.5	131.9	130.3	127.5	129.7
62.5°	120.9	118.1	117.6	114.3	114.3
65°	104.9	106.0	103.8	102.1	101.0
67.5°	93.3	93.3	91.1	88.3	87.8
70°	80.6	79.5	77.3	75.1	74.5
72.5°	66.8	66.2	64.0	61.8	61.3
75°	55.2	53.0	50.8	48.6	48.6
77.5°	42.0	40.3	37.5	35.9	35.3
80°	28.7	27.6	25.4	24.3	23.7
82.5°	17.7	16.6	14.4	13.2	12.7
85°	8.3	7.2	6.1	5.5	5.5
87.5°	1.7	1.7	1.7	1.1	1.7
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	23.8	25.5	24.2	25.8	26.1	23.6	25.2	24.0	25.6	25.9
	3H	25.6	27.1	26.0	27.4	27.8	25.3	26.8	25.7	27.1	27.4
	4H	26.2	27.6	26.6	27.9	28.3	25.8	27.2	26.2	27.6	28.0
	6H	26.6	27.9	27.0	28.3	28.6	26.1	27.4	26.6	27.8	28.2
	8H	26.7	27.9	27.1	28.3	28.7	26.2	27.4	26.6	27.8	28.2
	12H	26.7	27.9	27.2	28.3	28.7	26.2	27.4	26.6	27.8	28.2
4H	2H	24.4	25.8	24.8	26.2	26.5	24.3	25.6	24.7	26.0	26.4
	3H	26.4	27.6	26.8	28.0	28.4	26.1	27.3	26.5	27.7	28.1
	4H	27.1	28.2	27.6	28.6	29.0	26.8	27.8	27.2	28.2	28.7
	6H	27.6	28.5	28.1	29.0	29.4	27.2	28.1	27.6	28.5	29.0
	8H	27.7	28.6	28.2	29.0	29.5	27.3	28.1	27.7	28.5	29.0
	12H	27.8	28.6	28.3	29.0	29.5	27.3	28.0	27.8	28.5	29.0
8H	4H	27.4	28.2	27.8	28.7	29.1	27.1	27.9	27.5	28.3	28.8
	6H	27.9	28.6	28.4	29.1	29.6	27.5	28.2	28.0	28.7	29.2
	8H	28.1	28.7	28.6	29.2	29.7	27.6	28.3	28.1	28.8	29.2
	12H	28.2	28.7	28.7	29.2	29.8	27.7	28.2	28.2	28.7	29.3
12H	4H	27.4	28.1	27.9	28.6	29.1	27.1	27.8	27.6	28.3	28.8
	6H	28.0	28.6	28.5	29.1	29.6	27.6	28.2	28.1	28.7	29.2
	8H	28.1	28.7	28.6	29.2	29.7	27.7	28.2	28.2	28.7	29.3

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