

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: P1219864

Luminaire Tested: SEC3HSBATMBLK-2700K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219864
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMBLK-2700K
Description: BAT SEL 1500 Motion 3H Blk at 2700K

Light Source:
Ballast/Driver: -

Summary

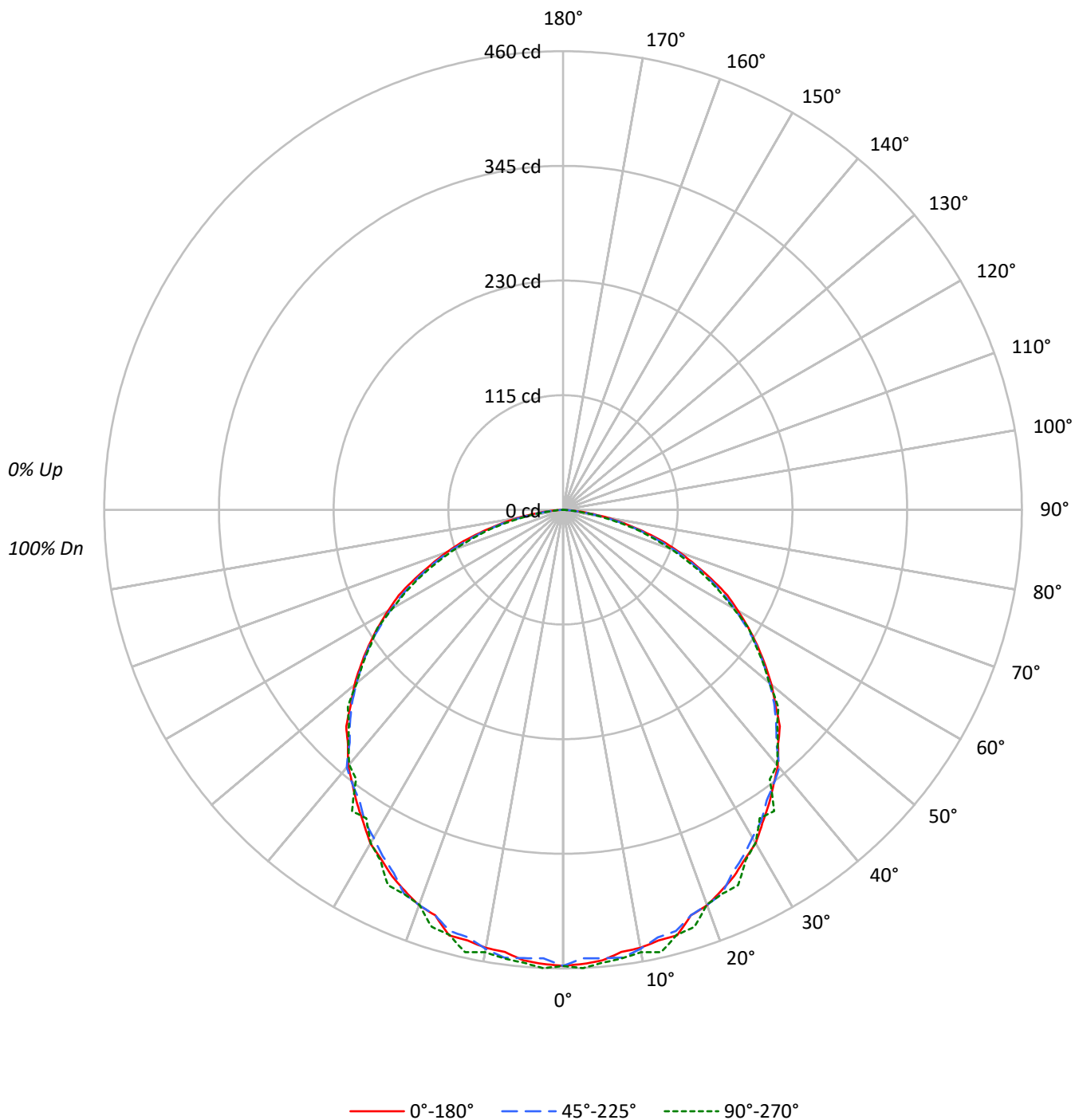
Lumens per Lamp: N/A
Luminaire Lumens: 1283.4 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
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	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	62		70
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		51
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		46
8	61	47	38	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	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18235	18235	18235
5°	18156	18064	18244
10°	18059	18103	18241
15°	18238	18053	18210
20°	17912	17895	17878
25°	17837	17670	18272
30°	17778	17484	17760
35°	17520	17321	17949
40°	17434	17554	17356
45°	17331	17032	17117
50°	16926	16758	16733
55°	16542	16438	16334
60°	16138	15835	15683
65°	15442	15084	14763
70°	14407	13964	13428
75°	12723	12199	11737
80°	10262	8954	8449
85°	5535	4345	3659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	3.4
10°-20°	123.6	9.6
20°-30°	187.2	14.6
30°-40°	225.1	17.5
40°-50°	234.7	18.3
50°-60°	212.0	16.5
60°-70°	159.0	12.4
70°-80°	83.6	6.5
80°-90°	15.1	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°	354.0	27.6
0°-40°	579.0	45.1
0°-60°	1025.7	79.9
0°-90°	1283.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	454	452	451	459	456	43
15°	442	440	437	442	441	123
25°	406	409	402	410	415	187
35°	360	360	356	364	369	225
45°	307	306	302	304	304	235
55°	238	241	236	236	235	213
65°	164	165	160	162	156	162
75°	83	82	79	75	76	88
85°	12	12	10	8	8	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	457.4	457.4	457.4	457.4	457.4
2.5°	455.9	458.2	450.2	456.7	460.1
5°	453.7	452.5	451.4	459.0	455.9
7.5°	447.2	453.3	452.9	452.5	453.7
10°	446.1	449.5	447.2	451.8	450.6
12.5°	442.3	445.7	439.3	444.9	454.4
15°	441.9	440.0	437.4	442.3	441.2
17.5°	426.4	423.3	426.4	432.4	438.5
20°	422.2	424.5	421.8	427.1	421.4
22.5°	413.9	415.8	416.5	415.8	416.9
25°	405.5	408.6	401.7	410.5	415.4
27.5°	394.9	394.5	391.5	396.4	396.4
30°	386.2	385.4	379.8	385.1	385.8
32.5°	372.2	369.5	369.9	369.5	366.9
35°	360.0	360.0	355.9	364.2	368.8
37.5°	346.8	347.5	346.8	347.5	340.7
40°	335.0	334.7	337.3	334.3	333.5
42.5°	319.1	320.6	316.5	320.6	318.4
45°	307.4	305.5	302.1	304.3	303.6
47.5°	288.4	286.9	286.9	289.2	292.6
50°	272.9	276.3	270.2	271.7	269.8
52.5°	255.4	255.4	253.2	255.8	252.8
55°	238.0	240.7	236.5	236.5	235.0
57.5°	220.2	222.1	217.5	219.1	220.6
60°	202.4	200.5	198.6	198.2	196.7
62.5°	185.7	184.2	179.6	179.3	177.0
65°	163.7	164.9	159.9	162.2	156.5
67.5°	142.9	142.5	139.8	138.7	135.7
70°	123.6	124.3	119.8	118.6	115.2
72.5°	104.2	103.1	98.5	96.6	94.7
75°	82.6	81.5	79.2	75.0	76.2
77.5°	62.9	61.4	59.9	55.3	54.2
80°	44.7	42.8	39.0	37.1	36.8
82.5°	26.9	25.8	23.1	20.8	19.7
85°	12.1	11.7	9.5	8.3	8.0
87.5°	3.0	2.7	2.3	2.3	1.9
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	22.1	23.7	22.4	24.0	24.3	22.0	23.6	22.3	23.9	24.2
	3H	23.8	25.3	24.2	25.6	26.0	23.6	25.1	24.0	25.4	25.8
	4H	24.4	25.8	24.8	26.2	26.5	24.2	25.6	24.6	25.9	26.3
	6H	24.8	26.1	25.2	26.5	26.8	24.5	25.8	24.9	26.1	26.5
	8H	24.9	26.1	25.3	26.5	26.9	24.5	25.7	24.9	26.1	26.5
	12H	24.9	26.1	25.4	26.5	26.9	24.5	25.7	25.0	26.1	26.5
4H	2H	22.7	24.0	23.1	24.4	24.8	22.6	24.0	23.0	24.3	24.7
	3H	24.6	25.8	25.0	26.2	26.6	24.5	25.6	24.9	26.0	26.4
	4H	25.3	26.4	25.8	26.8	27.2	25.1	26.2	25.5	26.6	27.0
	6H	25.8	26.7	26.3	27.2	27.6	25.5	26.4	25.9	26.8	27.3
	8H	25.9	26.8	26.4	27.2	27.7	25.6	26.4	26.0	26.9	27.3
	12H	26.0	26.8	26.5	27.2	27.7	25.6	26.3	26.1	26.8	27.3
8H	4H	25.6	26.4	26.1	26.9	27.4	25.4	26.2	25.8	26.7	27.1
	6H	26.2	26.9	26.7	27.4	27.8	25.8	26.5	26.3	27.0	27.5
	8H	26.3	26.9	26.8	27.5	27.9	25.9	26.6	26.4	27.1	27.6
	12H	26.4	27.0	26.9	27.4	28.0	26.0	26.5	26.5	27.0	27.6
12H	4H	25.6	26.4	26.1	26.8	27.3	25.4	26.2	25.9	26.6	27.1
	6H	26.2	26.8	26.7	27.3	27.8	25.9	26.5	26.4	27.0	27.5
	8H	26.4	26.9	26.9	27.4	28.0	26.0	26.5	26.5	27.0	27.6

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