

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: P1219865

Luminaire Tested: SEC3HSBATMBLK-3000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219865
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMBLK-3000k
Description: BAT SEL 1500 Motion 3H Blk at 3000K

Light Source:
Ballast/Driver: -

Summary

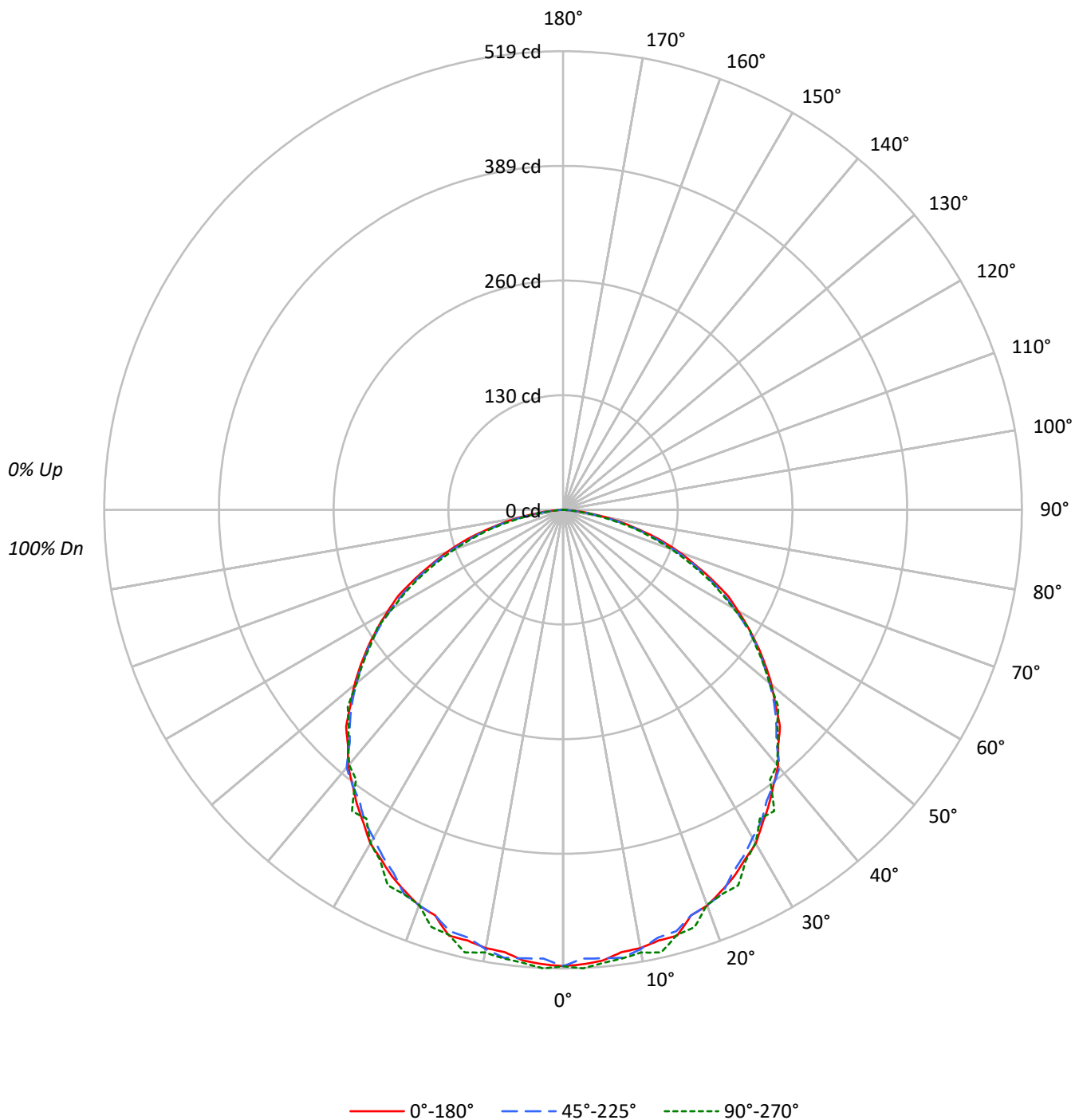
Lumens per Lamp: N/A
Luminaire Lumens: 1448.8 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.11
Total Harmonic Distortion (THDi): <22
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°	20587	20587	20587
5°	20494	20389	20598
10°	20382	20435	20593
15°	20587	20376	20554
20°	20220	20203	20182
25°	20138	19948	20626
30°	20066	19735	20048
35°	19779	19550	20260
40°	19682	19818	19594
45°	19564	19225	19321
50°	19102	18916	18892
55°	18676	18558	18433
60°	18219	17876	17701
65°	17433	17027	16668
70°	16260	15759	15165
75°	14371	13770	13247
80°	11594	10125	9528
85°	6267	4894	4117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	3.4
10°-20°	139.5	9.6
20°-30°	211.3	14.6
30°-40°	254.0	17.5
40°-50°	264.9	18.3
50°-60°	239.3	16.5
60°-70°	179.5	12.4
70°-80°	94.4	6.5
80°-90°	17.0	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°	399.6	27.6
0°-40°	653.6	45.1
0°-60°	1157.8	79.9
0°-90°	1448.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1448.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	512	511	510	518	515	48
15°	499	497	494	499	498	139
25°	458	461	454	463	469	211
35°	406	406	402	411	416	255
45°	347	345	341	344	343	266
55°	269	272	267	267	265	240
65°	185	186	180	183	177	183
75°	93	92	89	85	86	99
85°	14	13	11	9	9	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	516.4	516.4	516.4	516.4	516.4
2.5°	514.7	517.2	508.2	515.5	519.4
5°	512.1	510.8	509.5	518.1	514.7
7.5°	504.8	511.7	511.2	510.8	512.1
10°	503.5	507.4	504.8	510.0	508.7
12.5°	499.3	503.1	495.8	502.3	513.0
15°	498.8	496.7	493.7	499.3	498.0
17.5°	481.3	477.9	481.3	488.1	495.0
20°	476.6	479.2	476.2	482.2	475.7
22.5°	467.2	469.3	470.2	469.3	470.6
25°	457.8	461.2	453.5	463.3	468.9
27.5°	445.8	445.4	441.9	447.5	447.5
30°	435.9	435.1	428.7	434.7	435.5
32.5°	420.1	417.1	417.6	417.1	414.1
35°	406.4	406.4	401.7	411.1	416.3
37.5°	391.5	392.3	391.5	392.3	384.6
40°	378.2	377.8	380.8	377.3	376.5
42.5°	360.2	361.9	357.2	361.9	359.4
45°	347.0	344.8	341.0	343.5	342.7
47.5°	325.6	323.9	323.9	326.4	330.3
50°	308.0	311.9	305.0	306.7	304.6
52.5°	288.4	288.4	285.8	288.8	285.4
55°	268.7	271.7	267.0	267.0	265.2
57.5°	248.6	250.7	245.6	247.3	249.0
60°	228.5	226.3	224.2	223.7	222.0
62.5°	209.6	207.9	202.8	202.4	199.8
65°	184.8	186.1	180.5	183.1	176.7
67.5°	161.3	160.9	157.9	156.6	153.2
70°	139.5	140.3	135.2	133.9	130.1
72.5°	117.7	116.4	111.2	109.1	107.0
75°	93.3	92.0	89.4	84.7	86.0
77.5°	71.0	69.3	67.6	62.5	61.2
80°	50.5	48.3	44.1	41.9	41.5
82.5°	30.4	29.1	26.1	23.5	22.2
85°	13.7	13.3	10.7	9.4	9.0
87.5°	3.4	3.0	2.6	2.6	2.1
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	22.5	24.1	22.8	24.4	24.7	22.4	24.0	22.8	24.3	24.7
	3H	24.2	25.7	24.6	26.0	26.4	24.1	25.5	24.4	25.9	26.2
	4H	24.8	26.2	25.2	26.6	27.0	24.6	26.0	25.0	26.3	26.7
	6H	25.2	26.5	25.6	26.9	27.3	24.9	26.2	25.3	26.5	26.9
	8H	25.3	26.5	25.7	26.9	27.3	24.9	26.2	25.4	26.6	27.0
	12H	25.3	26.5	25.8	26.9	27.3	24.9	26.1	25.4	26.5	26.9
4H	2H	23.1	24.5	23.5	24.8	25.2	23.0	24.4	23.4	24.8	25.1
	3H	25.0	26.2	25.5	26.6	27.0	24.9	26.0	25.3	26.4	26.8
	4H	25.8	26.8	26.2	27.2	27.7	25.5	26.6	26.0	27.0	27.4
	6H	26.3	27.2	26.7	27.6	28.1	25.9	26.8	26.4	27.3	27.7
	8H	26.4	27.2	26.8	27.7	28.1	26.0	26.8	26.4	27.3	27.7
	12H	26.4	27.2	26.9	27.7	28.1	26.0	26.8	26.5	27.2	27.7
8H	4H	26.0	26.9	26.5	27.3	27.8	25.8	26.6	26.3	27.1	27.6
	6H	26.6	27.3	27.1	27.8	28.2	26.3	27.0	26.7	27.4	27.9
	8H	26.7	27.4	27.2	27.9	28.4	26.4	27.0	26.9	27.5	28.0
	12H	26.8	27.4	27.3	27.9	28.4	26.4	27.0	26.9	27.4	28.0
12H	4H	26.0	26.8	26.5	27.3	27.7	25.8	26.6	26.3	27.1	27.5
	6H	26.6	27.2	27.1	27.7	28.2	26.3	26.9	26.8	27.4	27.9
	8H	26.8	27.3	27.3	27.8	28.4	26.4	27.0	26.9	27.5	28.0

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