

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: P1219868

Luminaire Tested: SEC3HSBATMBLK-6500k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219868
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSBATMBLK-6500k
Description: BAT SEL 1500 Motion 3H Blk at 6500K

Light Source:
Ballast/Driver: -

Summary

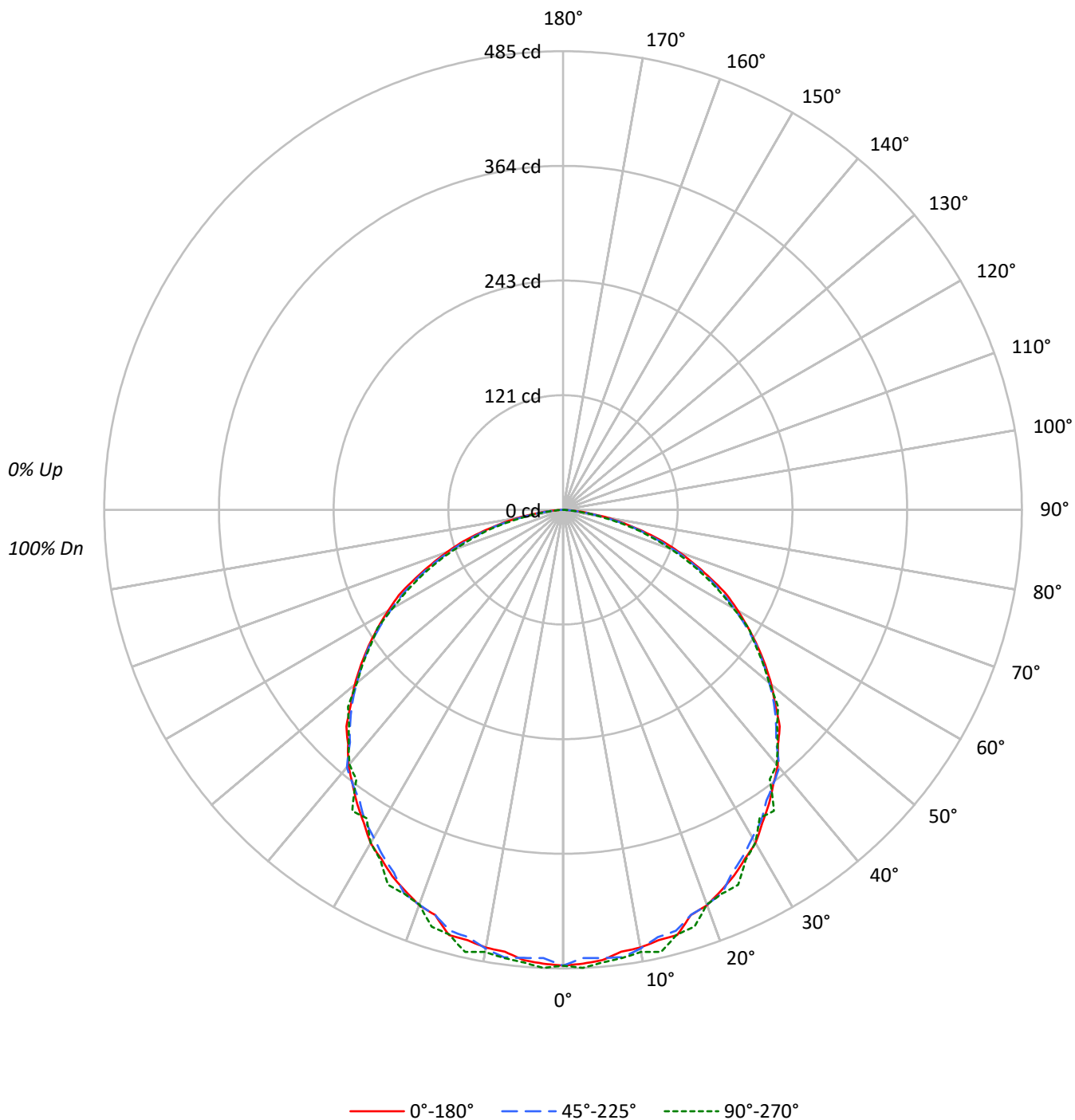
Lumens per Lamp: N/A
Luminaire Lumens: 1352.4 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.29
Total Harmonic Distortion (THDi): <40
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				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	72		70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		70	65	61		59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53		50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46		44
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		51	45	40		38
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		46	40	36		34
8	61	47	38	33	59	46	38	33	45	38	32		44	37	32		43	36	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	26		37	31	26		36	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19216	19216	19216
5°	19129	19033	19225
10°	19030	19075	19221
15°	19221	19023	19188
20°	18875	18858	18841
25°	18796	18620	19253
30°	18736	18423	18717
35°	18465	18250	18912
40°	18371	18496	18287
45°	18261	17946	18036
50°	17831	17657	17633
55°	17432	17321	17209
60°	17007	16688	16529
65°	16272	15895	15555
70°	15176	14710	14151
75°	13416	12862	12369
80°	10813	9436	8885
85°	5855	4574	3842

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18261 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	3.4
10°-20°	130.3	9.6
20°-30°	197.2	14.6
30°-40°	237.2	17.5
40°-50°	247.3	18.3
50°-60°	223.3	16.5
60°-70°	167.6	12.4
70°-80°	88.1	6.5
80°-90°	15.9	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°	373.0	27.6
0°-40°	610.2	45.1
0°-60°	1080.8	79.9
0°-90°	1352.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1352.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	482	482	482	482	482	
5°	478	477	476	484	480	45
15°	466	464	461	466	465	130
25°	427	430	423	432	438	197
35°	379	379	375	384	389	238
45°	324	322	318	321	320	248
55°	251	254	249	249	248	224
65°	172	174	168	171	165	171
75°	87	86	84	79	80	93
85°	13	12	10	9	8	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	482.0	482.0	482.0	482.0	482.0
2.5°	480.4	482.8	474.4	481.2	484.8
5°	478.0	476.8	475.6	483.6	480.4
7.5°	471.2	477.6	477.2	476.8	478.0
10°	470.1	473.6	471.2	476.0	474.8
12.5°	466.1	469.7	462.9	468.9	478.8
15°	465.7	463.7	460.9	466.1	464.9
17.5°	449.3	446.1	449.3	455.7	462.1
20°	444.9	447.3	444.5	450.1	444.1
22.5°	436.1	438.1	438.9	438.1	439.3
25°	427.3	430.5	423.3	432.5	437.7
27.5°	416.1	415.7	412.5	417.7	417.7
30°	407.0	406.2	400.2	405.8	406.6
32.5°	392.2	389.4	389.8	389.4	386.6
35°	379.4	379.4	375.0	383.8	388.6
37.5°	365.4	366.2	365.4	366.2	359.0
40°	353.0	352.6	355.4	352.2	351.4
42.5°	336.3	337.9	333.5	337.9	335.5
45°	323.9	321.9	318.3	320.7	319.9
47.5°	303.9	302.3	302.3	304.7	308.3
50°	287.5	291.1	284.7	286.3	284.3
52.5°	269.2	269.2	266.8	269.6	266.4
55°	250.8	253.6	249.2	249.2	247.6
57.5°	232.0	234.0	229.2	230.8	232.4
60°	213.3	211.3	209.3	208.9	207.3
62.5°	195.7	194.1	189.3	188.9	186.5
65°	172.5	173.7	168.5	170.9	164.9
67.5°	150.6	150.2	147.4	146.2	143.0
70°	130.2	131.0	126.2	125.0	121.4
72.5°	109.8	108.6	103.8	101.8	99.8
75°	87.1	85.9	83.5	79.1	80.3
77.5°	66.3	64.7	63.1	58.3	57.1
80°	47.1	45.1	41.1	39.1	38.7
82.5°	28.4	27.2	24.4	22.0	20.8
85°	12.8	12.4	10.0	8.8	8.4
87.5°	3.2	2.8	2.4	2.4	2.0
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	22.2	23.9	22.6	24.2	24.5	22.2	23.8	22.5	24.1	24.4
	3H	24.0	25.5	24.4	25.8	26.2	23.8	25.3	24.2	25.6	26.0
	4H	24.6	26.0	25.0	26.3	26.7	24.4	25.7	24.8	26.1	26.5
	6H	25.0	26.3	25.4	26.6	27.0	24.7	25.9	25.1	26.3	26.7
	8H	25.1	26.3	25.5	26.7	27.1	24.7	25.9	25.1	26.3	26.7
	12H	25.1	26.3	25.5	26.7	27.1	24.7	25.9	25.1	26.3	26.7
4H	2H	22.8	24.2	23.2	24.6	24.9	22.8	24.2	23.2	24.5	24.9
	3H	24.8	26.0	25.2	26.4	26.8	24.6	25.8	25.1	26.2	26.6
	4H	25.5	26.6	26.0	27.0	27.4	25.3	26.3	25.7	26.7	27.2
	6H	26.0	26.9	26.5	27.4	27.8	25.7	26.6	26.1	27.0	27.5
	8H	26.1	27.0	26.6	27.4	27.9	25.7	26.6	26.2	27.0	27.5
	12H	26.2	27.0	26.7	27.4	27.9	25.8	26.5	26.2	27.0	27.5
8H	4H	25.8	26.6	26.2	27.1	27.5	25.6	26.4	26.0	26.9	27.3
	6H	26.3	27.0	26.8	27.5	28.0	26.0	26.7	26.5	27.2	27.7
	8H	26.5	27.1	27.0	27.6	28.1	26.1	26.7	26.6	27.3	27.7
	12H	26.6	27.1	27.1	27.6	28.2	26.2	26.7	26.7	27.2	27.8
12H	4H	25.8	26.6	26.3	27.0	27.5	25.6	26.3	26.1	26.8	27.3
	6H	26.4	27.0	26.9	27.5	28.0	26.0	26.7	26.6	27.1	27.7
	8H	26.5	27.1	27.1	27.6	28.2	26.2	26.7	26.7	27.2	27.8

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