

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: P1219856

Luminaire Tested: SECHSBATMBLK-4000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219856
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-4000k
Description: BAT SEL 1200 Motion 2H Blk at 4000K

Light Source:
Ballast/Driver: -

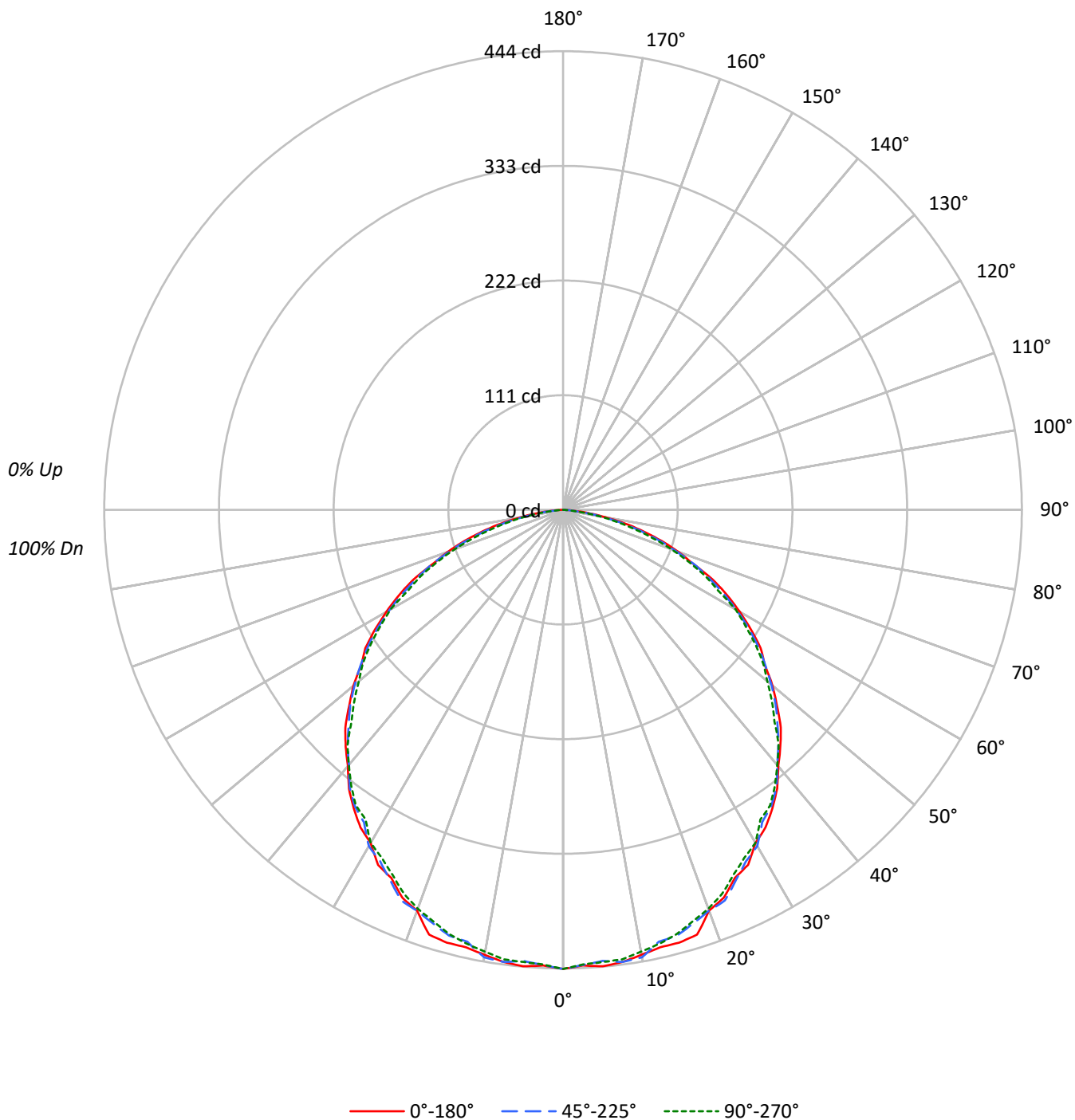
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1239.2 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 0.75' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.16
Total Harmonic Distortion (THDi): <27
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	97	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	63		70
4	83	71	62	55	81	70	61	55	67	60	54		65	59	54		63
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		56
6	70	57	48	42	68	56	48	41	54	47	41		53	46	41		51
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46
8	61	47	39	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	27		37	31	26		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25518	25518	25518
5°	25558	25264	25321
10°	25497	25643	25323
15°	25782	25360	25271
20°	25231	25231	25109
25°	24906	25065	24710
30°	24679	24918	24679
35°	24739	24592	24487
40°	24281	24168	24168
45°	24194	23828	23495
50°	23623	23489	23033
55°	23370	23060	22750
60°	22653	22251	22136
65°	21693	21136	20661
70°	19806	19386	18698
75°	17944	16813	15682
80°	13786	12265	11439
85°	7707	5335	3689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24194 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	3.4
10°-20°	120.2	9.7
20°-30°	181.8	14.7
30°-40°	218.5	17.6
40°-50°	226.2	18.3
50°-60°	204.2	16.5
60°-70°	152.8	12.3
70°-80°	79.9	6.5
80°-90°	13.7	1.1
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°	343.9	27.8
0°-40°	562.4	45.4
0°-60°	992.7	80.1
0°-90°	1239.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	444	440	438	439	439	42
15°	434	424	427	417	425	122
25°	393	396	396	389	390	182
35°	353	350	351	346	349	220
45°	298	295	294	291	289	229
55°	234	231	230	225	227	207
65°	160	157	156	151	152	156
75°	81	78	76	72	71	85
85°	12	11	8	7	6	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	444.5	444.5	444.5	444.5	444.5
2.5°	441.5	445.0	441.0	439.9	440.5
5°	443.5	440.5	438.4	438.9	439.4
7.5°	441.5	438.9	441.5	436.9	438.9
10°	437.4	435.9	439.9	436.4	434.4
12.5°	433.8	431.3	428.3	428.8	430.3
15°	433.8	424.2	426.7	417.1	425.2
17.5°	431.3	418.6	419.6	423.2	417.6
20°	413.0	411.5	413.0	412.0	411.0
22.5°	406.4	405.9	409.4	400.3	402.3
25°	393.2	396.2	395.7	388.6	390.1
27.5°	387.6	385.0	383.5	385.0	379.9
30°	372.3	374.8	375.9	373.3	372.3
32.5°	364.7	363.1	358.6	358.6	355.5
35°	353.0	350.4	350.9	345.9	349.4
37.5°	340.3	337.2	339.2	331.1	336.7
40°	324.0	325.0	322.5	322.5	322.5
42.5°	311.3	310.3	308.2	303.6	308.7
45°	298.0	295.0	293.5	290.9	289.4
47.5°	280.8	279.7	279.2	273.6	274.1
50°	264.5	263.5	263.0	260.4	257.9
52.5°	245.7	245.2	246.7	243.1	244.1
55°	233.5	231.4	230.4	225.3	227.3
57.5°	215.7	210.6	212.6	208.0	209.5
60°	197.3	195.3	193.8	188.7	192.8
62.5°	179.0	175.5	174.5	170.9	168.9
65°	159.7	156.7	155.6	151.1	152.1
67.5°	135.8	138.3	136.8	132.2	131.7
70°	118.0	118.0	115.5	111.9	111.4
72.5°	99.7	98.2	96.1	92.6	91.0
75°	80.9	77.8	75.8	71.7	70.7
77.5°	61.5	59.0	56.5	52.9	52.4
80°	41.7	40.2	37.1	34.1	34.6
82.5°	25.9	24.4	21.4	18.8	18.8
85°	11.7	10.7	8.1	6.6	5.6
87.5°	2.5	2.0	1.5	1.0	1.0
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	23.1	24.8	23.5	25.1	25.4	23.0	24.6	23.4	25.0	25.3
	3H	24.9	26.4	25.3	26.7	27.1	24.7	26.2	25.1	26.5	26.9
	4H	25.5	26.9	25.9	27.2	27.6	25.2	26.6	25.6	27.0	27.3
	6H	25.9	27.2	26.3	27.5	27.9	25.5	26.8	25.9	27.2	27.6
	8H	26.0	27.2	26.4	27.6	28.0	25.6	26.8	26.0	27.2	27.6
	12H	26.0	27.2	26.4	27.6	28.0	25.6	26.7	26.0	27.1	27.6
4H	2H	23.8	25.1	24.2	25.5	25.9	23.7	25.0	24.1	25.4	25.8
	3H	25.7	26.9	26.1	27.3	27.7	25.5	26.7	26.0	27.1	27.5
	4H	26.4	27.5	26.9	27.9	28.3	26.2	27.2	26.6	27.6	28.1
	6H	26.9	27.8	27.4	28.3	28.7	26.6	27.5	27.0	27.9	28.4
	8H	27.0	27.9	27.5	28.3	28.8	26.6	27.5	27.1	27.9	28.4
	12H	27.1	27.9	27.6	28.3	28.8	26.6	27.4	27.1	27.9	28.3
8H	4H	26.7	27.5	27.2	28.0	28.4	26.4	27.3	26.9	27.7	28.2
	6H	27.3	28.0	27.7	28.4	28.9	26.9	27.6	27.4	28.1	28.6
	8H	27.4	28.0	27.9	28.5	29.0	27.0	27.6	27.5	28.1	28.6
	12H	27.5	28.0	28.0	28.5	29.1	27.0	27.6	27.5	28.1	28.6
12H	4H	26.7	27.5	27.2	27.9	28.4	26.5	27.2	26.9	27.7	28.2
	6H	27.3	27.9	27.8	28.4	28.9	26.9	27.6	27.4	28.0	28.6
	8H	27.4	28.0	28.0	28.5	29.1	27.0	27.6	27.5	28.1	28.6

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Peachtree City, GA 30269



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