

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: P1219855

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: P1219855
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-3000k
Description: BAT SEL 1200 Motion 2H Blk at 3000K

Light Source:
Ballast/Driver: -

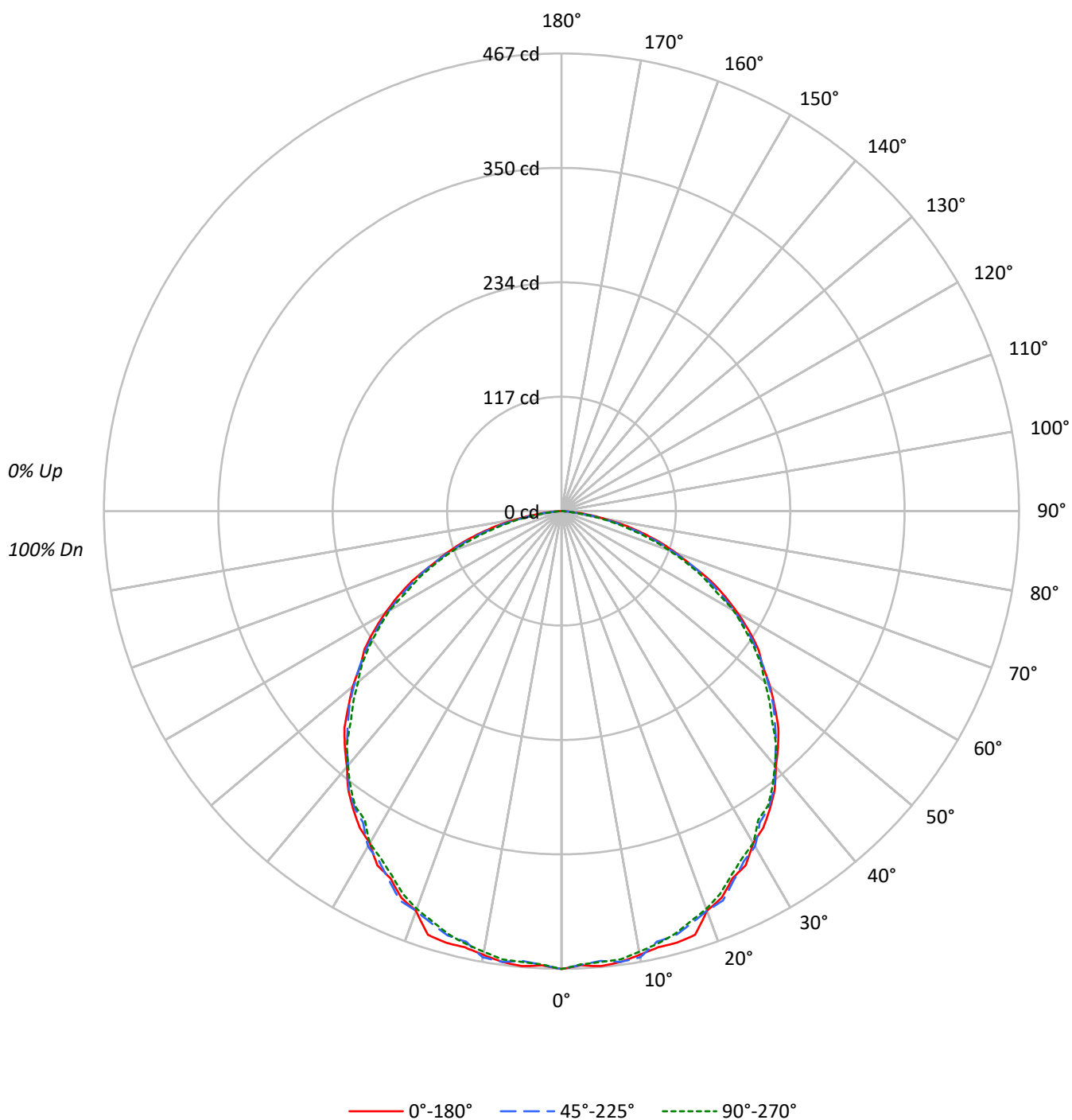
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1302.3 lumens
Efficiency: N/A
Efficacy: 135.7 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 (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.10
Total Harmonic Distortion (THDi): <21
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°	26821	26821	26821
5°	26860	26549	26612
10°	26797	26949	26611
15°	27095	26650	26555
20°	26514	26514	26386
25°	26173	26338	25970
30°	25939	26184	25939
35°	25993	25846	25734
40°	25517	25397	25397
45°	25428	25038	24689
50°	24819	24676	24203
55°	24551	24231	23911
60°	23813	23376	23262
65°	22794	22223	21707
70°	20813	20360	19655
75°	18853	17656	16480
80°	14480	12893	12001
85°	8102	5665	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25428 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	3.4
10°-20°	126.3	9.7
20°-30°	191.0	14.7
30°-40°	229.6	17.6
40°-50°	237.7	18.3
50°-60°	214.6	16.5
60°-70°	160.6	12.3
70°-80°	84.0	6.5
80°-90°	14.4	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°	361.4	27.8
0°-40°	591.0	45.4
0°-60°	1043.2	80.1
0°-90°	1302.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	466	463	461	461	462	44
15°	456	446	448	438	447	128
25°	413	416	416	408	410	192
35°	371	368	369	364	367	231
45°	313	310	308	306	304	240
55°	245	243	242	237	239	218
65°	168	165	164	159	160	164
75°	85	82	80	75	74	89
85°	12	11	9	7	6	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	467.2	467.2	467.2	467.2	467.2
2.5°	463.9	467.7	463.4	462.3	462.9
5°	466.1	462.9	460.7	461.3	461.8
7.5°	463.9	461.3	463.9	459.1	461.3
10°	459.7	458.1	462.3	458.6	456.5
12.5°	455.9	453.3	450.0	450.6	452.2
15°	455.9	445.8	448.4	438.3	446.8
17.5°	453.3	439.9	441.0	444.7	438.8
20°	434.0	432.4	434.0	432.9	431.9
22.5°	427.1	426.5	430.3	420.7	422.8
25°	413.2	416.4	415.8	408.4	410.0
27.5°	407.3	404.6	403.0	404.6	399.3
30°	391.3	393.9	395.0	392.3	391.3
32.5°	383.2	381.6	376.8	376.8	373.6
35°	370.9	368.3	368.8	363.5	367.2
37.5°	357.6	354.4	356.5	348.0	353.8
40°	340.5	341.5	338.9	338.9	338.9
42.5°	327.1	326.0	323.9	319.1	324.4
45°	313.2	310.0	308.4	305.7	304.1
47.5°	295.0	294.0	293.4	287.6	288.1
50°	277.9	276.9	276.3	273.7	271.0
52.5°	258.2	257.6	259.2	255.5	256.6
55°	245.3	243.2	242.1	236.8	238.9
57.5°	226.6	221.3	223.4	218.6	220.2
60°	207.4	205.2	203.6	198.3	202.6
62.5°	188.1	184.4	183.3	179.6	177.5
65°	167.8	164.6	163.6	158.7	159.8
67.5°	142.7	145.4	143.8	139.0	138.4
70°	124.0	124.0	121.3	117.6	117.1
72.5°	104.8	103.2	101.0	97.3	95.7
75°	85.0	81.8	79.6	75.4	74.3
77.5°	64.7	62.0	59.3	55.6	55.1
80°	43.8	42.2	39.0	35.8	36.3
82.5°	27.3	25.7	22.4	19.8	19.8
85°	12.3	11.2	8.6	6.9	5.9
87.5°	2.7	2.1	1.6	1.1	1.1
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	23.3	24.9	23.7	25.2	25.6	23.2	24.8	23.6	25.1	25.4
	3H	25.1	26.5	25.4	26.9	27.2	24.9	26.3	25.2	26.7	27.0
	4H	25.7	27.1	26.1	27.4	27.8	25.4	26.8	25.8	27.1	27.5
	6H	26.1	27.4	26.5	27.7	28.1	25.7	27.0	26.1	27.3	27.7
	8H	26.2	27.4	26.6	27.8	28.2	25.7	27.0	26.2	27.4	27.8
	12H	26.2	27.4	26.6	27.7	28.2	25.7	26.9	26.2	27.3	27.7
4H	2H	23.9	25.3	24.3	25.7	26.0	23.8	25.2	24.2	25.6	25.9
	3H	25.9	27.1	26.3	27.4	27.8	25.7	26.9	26.1	27.3	27.7
	4H	26.6	27.7	27.1	28.1	28.5	26.4	27.4	26.8	27.8	28.2
	6H	27.1	28.0	27.6	28.5	28.9	26.7	27.6	27.2	28.1	28.5
	8H	27.2	28.1	27.7	28.5	29.0	26.8	27.6	27.3	28.1	28.6
	12H	27.3	28.0	27.7	28.5	29.0	26.8	27.6	27.3	28.0	28.5
8H	4H	26.9	27.7	27.3	28.2	28.6	26.6	27.5	27.1	27.9	28.4
	6H	27.4	28.1	27.9	28.6	29.1	27.1	27.8	27.6	28.3	28.7
	8H	27.6	28.2	28.1	28.7	29.2	27.2	27.8	27.7	28.3	28.8
	12H	27.7	28.2	28.2	28.7	29.3	27.2	27.7	27.7	28.2	28.8
12H	4H	26.9	27.6	27.4	28.1	28.6	26.6	27.4	27.1	27.9	28.3
	6H	27.4	28.1	28.0	28.5	29.1	27.1	27.7	27.6	28.2	28.7
	8H	27.6	28.2	28.1	28.7	29.2	27.2	27.8	27.7	28.3	28.8

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Peachtree City, GA 30269



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