

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: P1219857

Luminaire Tested: SECHSBATMBLK-5000k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219857
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-5000k
Description: BAT SEL 1200 Motion 2H Blk at 5000K

Light Source:
Ballast/Driver: -

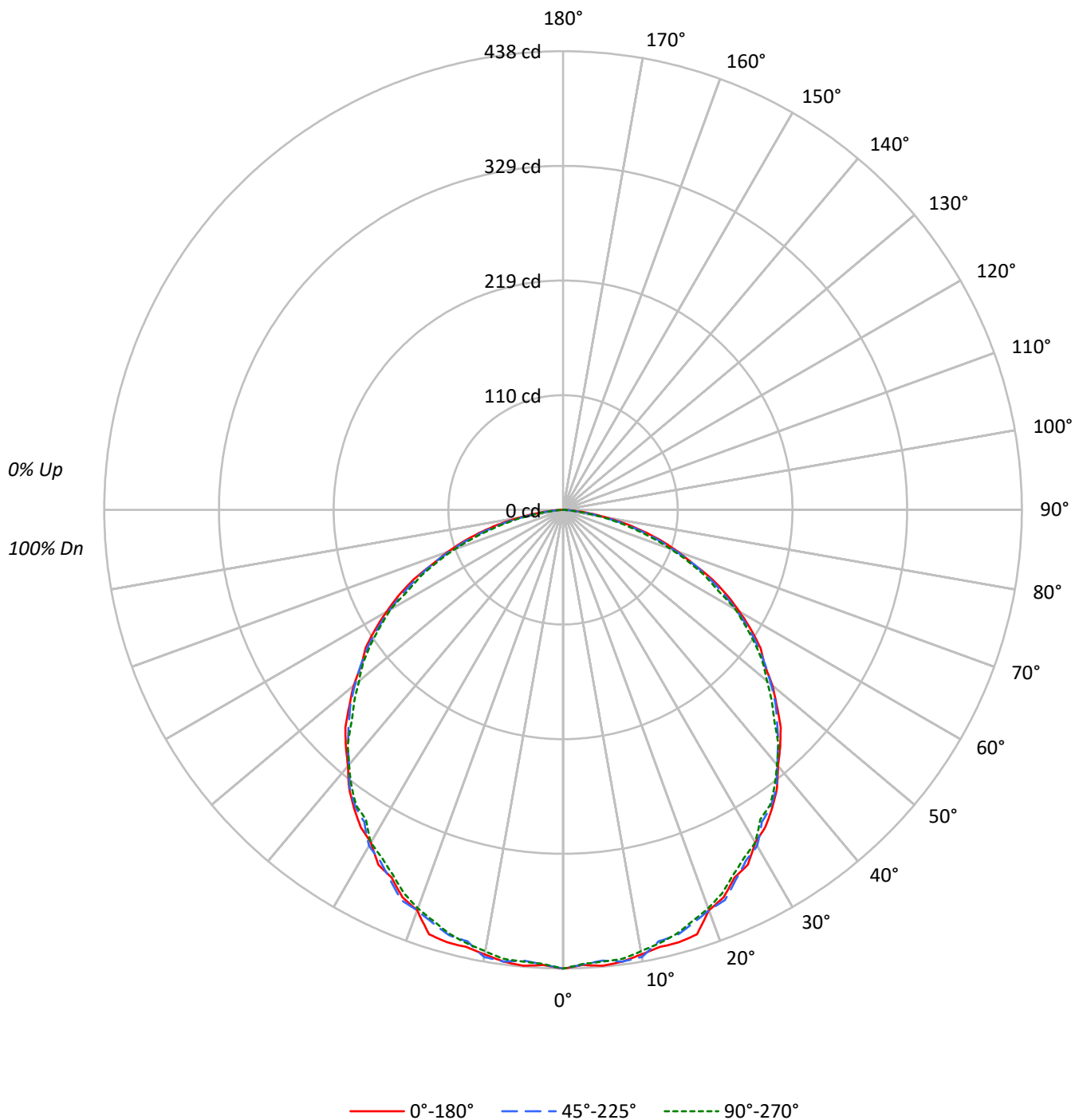
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1221.3 lumens
Efficiency: N/A
Efficacy: 127.2 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: >0.22
Total Harmonic Distortion (THDi): <33
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°	25150	25150	25150
5°	25189	24901	24958
10°	25130	25276	24955
15°	25413	24997	24908
20°	24864	24864	24742
25°	24545	24703	24355
30°	24321	24560	24321
35°	24381	24241	24136
40°	23928	23816	23816
45°	23853	23479	23154
50°	23283	23149	22703
55°	23030	22730	22429
60°	22332	21930	21815
65°	21381	20838	20362
70°	19521	19101	18430
75°	17678	16569	15460
80°	13588	12100	11273
85°	7575	5269	3623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	3.4
10°-20°	118.5	9.7
20°-30°	179.1	14.7
30°-40°	215.3	17.6
40°-50°	222.9	18.3
50°-60°	201.2	16.5
60°-70°	150.6	12.3
70°-80°	78.8	6.4
80°-90°	13.5	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°	339.0	27.8
0°-40°	554.3	45.4
0°-60°	978.4	80.1
0°-90°	1221.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	437	434	432	433	433	42
15°	428	418	421	411	419	120
25°	388	390	390	383	384	180
35°	348	345	346	341	344	217
45°	294	291	289	287	285	225
55°	230	228	227	222	224	204
65°	157	154	153	149	150	154
75°	80	77	75	71	70	84
85°	12	10	8	6	6	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	438.1	438.1	438.1	438.1	438.1
2.5°	435.1	438.6	434.6	433.6	434.1
5°	437.1	434.1	432.1	432.6	433.1
7.5°	435.1	432.6	435.1	430.6	432.6
10°	431.1	429.6	433.6	430.1	428.1
12.5°	427.6	425.1	422.1	422.6	424.1
15°	427.6	418.1	420.6	411.1	419.1
17.5°	425.1	412.6	413.6	417.1	411.6
20°	407.0	405.5	407.0	406.0	405.0
22.5°	400.5	400.0	403.5	394.5	396.5
25°	387.5	390.5	390.0	383.0	384.5
27.5°	382.0	379.5	378.0	379.5	374.5
30°	366.9	369.4	370.5	367.9	366.9
32.5°	359.4	357.9	353.4	353.4	350.4
35°	347.9	345.4	345.9	340.9	344.4
37.5°	335.4	332.4	334.4	326.3	331.9
40°	319.3	320.3	317.8	317.8	317.8
42.5°	306.8	305.8	303.8	299.3	304.3
45°	293.8	290.7	289.2	286.7	285.2
47.5°	276.7	275.7	275.2	269.7	270.2
50°	260.7	259.7	259.2	256.7	254.2
52.5°	242.1	241.6	243.1	239.6	240.6
55°	230.1	228.1	227.1	222.1	224.1
57.5°	212.5	207.5	209.5	205.0	206.5
60°	194.5	192.5	191.0	186.0	190.0
62.5°	176.5	172.9	171.9	168.4	166.4
65°	157.4	154.4	153.4	148.9	149.9
67.5°	133.8	136.4	134.8	130.3	129.8
70°	116.3	116.3	113.8	110.3	109.8
72.5°	98.3	96.7	94.7	91.2	89.7
75°	79.7	76.7	74.7	70.7	69.7
77.5°	60.7	58.1	55.6	52.1	51.6
80°	41.1	39.6	36.6	33.6	34.1
82.5°	25.6	24.1	21.1	18.5	18.5
85°	11.5	10.5	8.0	6.5	5.5
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	24.7	23.4	25.0	25.3	23.0	24.6	23.3	24.9	25.2
	3H	24.8	26.3	25.2	26.6	27.0	24.6	26.1	25.0	26.4	26.8
	4H	25.5	26.8	25.9	27.2	27.6	25.2	26.6	25.6	26.9	27.3
	6H	25.8	27.1	26.3	27.5	27.9	25.5	26.8	25.9	27.1	27.5
	8H	25.9	27.2	26.4	27.5	27.9	25.5	26.7	25.9	27.1	27.5
	12H	26.0	27.1	26.4	27.5	27.9	25.5	26.7	26.0	27.1	27.5
4H	2H	23.7	25.1	24.1	25.4	25.8	23.6	25.0	24.0	25.3	25.7
	3H	25.7	26.8	26.1	27.2	27.6	25.5	26.6	25.9	27.0	27.4
	4H	26.4	27.4	26.8	27.9	28.3	26.1	27.2	26.6	27.6	28.0
	6H	26.9	27.8	27.3	28.2	28.7	26.5	27.4	27.0	27.9	28.3
	8H	27.0	27.8	27.5	28.3	28.8	26.6	27.4	27.0	27.9	28.3
	12H	27.0	27.8	27.5	28.3	28.8	26.6	27.3	27.1	27.8	28.3
8H	4H	26.6	27.5	27.1	27.9	28.4	26.4	27.2	26.9	27.7	28.2
	6H	27.2	27.9	27.7	28.4	28.9	26.8	27.5	27.3	28.0	28.5
	8H	27.4	28.0	27.9	28.5	29.0	26.9	27.6	27.4	28.1	28.6
	12H	27.4	28.0	27.9	28.5	29.0	27.0	27.5	27.5	28.0	28.6
12H	4H	26.6	27.4	27.1	27.9	28.4	26.4	27.2	26.9	27.7	28.1
	6H	27.2	27.9	27.7	28.3	28.9	26.9	27.5	27.4	28.0	28.5
	8H	27.4	28.0	27.9	28.4	29.0	27.0	27.5	27.5	28.0	28.6

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