

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: P1219854

Luminaire Tested: SECHSBATMBLK-2700K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219854
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-2700K
Description: BAT SEL 1200 Motion 2H Blk at 2700K

Light Source:
Ballast/Driver: -

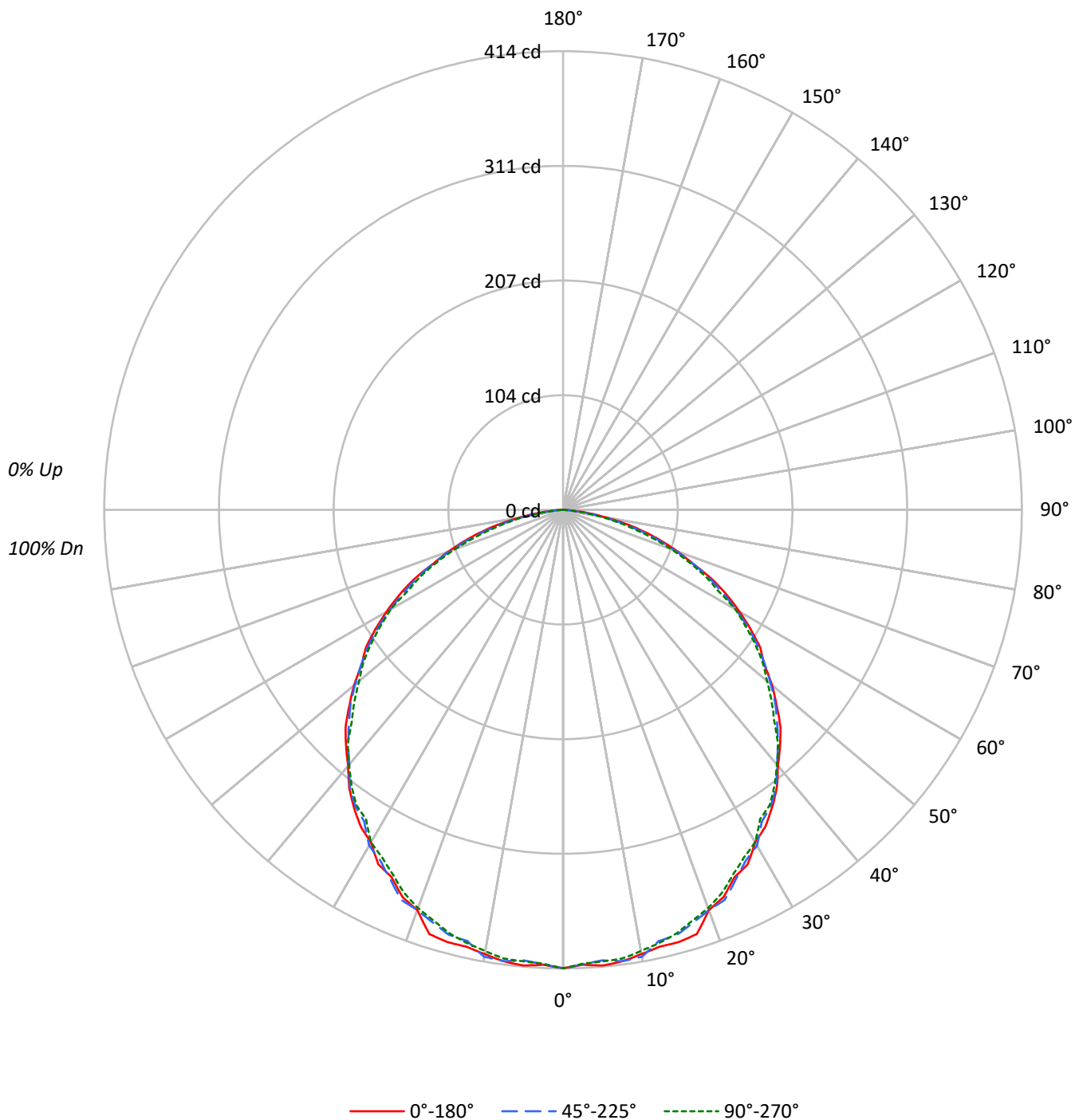
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1153.7 lumens
Efficiency: N/A
Efficacy: 120.2 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: >0.9
Total Harmonic Distortion (THDi): <20
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°	23755	23755	23755
5°	23794	23523	23575
10°	23737	23877	23574
15°	24005	23613	23523
20°	23490	23490	23374
25°	23183	23335	23006
30°	22976	23194	22976
35°	23029	22896	22798
40°	22602	22497	22497
45°	22529	22180	21872
50°	21988	21863	21443
55°	21749	21469	21188
60°	21092	20713	20609
65°	20199	19683	19235
70°	18447	18044	17406
75°	16702	15659	14595
80°	12827	11439	10645
85°	7180	5006	3425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	3.4
10°-20°	111.9	9.7
20°-30°	169.2	14.7
30°-40°	203.4	17.6
40°-50°	210.5	18.3
50°-60°	190.1	16.5
60°-70°	142.3	12.3
70°-80°	74.4	6.5
80°-90°	12.8	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°	320.2	27.8
0°-40°	523.5	45.4
0°-60°	924.2	80.1
0°-90°	1153.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1153.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	414	414	414	414	414	
5°	413	410	408	409	409	39
15°	404	395	397	388	396	114
25°	366	369	368	362	363	170
35°	329	326	327	322	325	205
45°	278	275	273	271	269	213
55°	217	215	214	210	212	193
65°	149	146	145	141	142	146
75°	75	72	71	67	66	79
85°	11	10	8	6	5	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	413.8	413.8	413.8	413.8	413.8
2.5°	411.0	414.3	410.5	409.6	410.1
5°	412.9	410.1	408.2	408.6	409.1
7.5°	411.0	408.6	411.0	406.7	408.6
10°	407.2	405.8	409.6	406.3	404.4
12.5°	403.9	401.5	398.7	399.2	400.6
15°	403.9	394.9	397.3	388.3	395.8
17.5°	401.5	389.7	390.6	394.0	388.7
20°	384.5	383.1	384.5	383.5	382.6
22.5°	378.3	377.9	381.2	372.6	374.5
25°	366.0	368.9	368.4	361.8	363.2
27.5°	360.8	358.4	357.0	358.4	353.7
30°	346.6	349.0	349.9	347.6	346.6
32.5°	339.5	338.1	333.8	333.8	331.0
35°	328.6	326.2	326.7	322.0	325.3
37.5°	316.8	313.9	315.8	308.2	313.5
40°	301.6	302.6	300.2	300.2	300.2
42.5°	289.8	288.8	286.9	282.7	287.4
45°	277.5	274.6	273.2	270.8	269.4
47.5°	261.4	260.4	260.0	254.7	255.2
50°	246.2	245.3	244.8	242.4	240.1
52.5°	228.7	228.2	229.6	226.3	227.3
55°	217.3	215.4	214.5	209.8	211.7
57.5°	200.8	196.0	197.9	193.7	195.1
60°	183.7	181.8	180.4	175.7	179.5
62.5°	166.7	163.4	162.4	159.1	157.2
65°	148.7	145.8	144.9	140.6	141.6
67.5°	126.4	128.8	127.4	123.1	122.6
70°	109.9	109.9	107.5	104.2	103.7
72.5°	92.8	91.4	89.5	86.2	84.8
75°	75.3	72.4	70.6	66.8	65.8
77.5°	57.3	54.9	52.6	49.2	48.8
80°	38.8	37.4	34.6	31.7	32.2
82.5°	24.1	22.7	19.9	17.5	17.5
85°	10.9	9.9	7.6	6.2	5.2
87.5°	2.4	1.9	1.4	0.9	0.9
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	22.9	24.5	23.2	24.8	25.1	22.8	24.4	23.1	24.7	25.0
	3H	24.6	26.1	25.0	26.4	26.8	24.4	25.9	24.8	26.2	26.6
	4H	25.3	26.7	25.7	27.0	27.4	25.0	26.4	25.4	26.7	27.1
	6H	25.7	26.9	26.1	27.3	27.7	25.3	26.6	25.7	26.9	27.3
	8H	25.7	27.0	26.2	27.3	27.7	25.3	26.6	25.8	26.9	27.3
	12H	25.8	26.9	26.2	27.3	27.7	25.3	26.5	25.8	26.9	27.3
4H	2H	23.5	24.9	23.9	25.2	25.6	23.4	24.8	23.8	25.2	25.5
	3H	25.5	26.6	25.9	27.0	27.4	25.3	26.5	25.7	26.8	27.2
	4H	26.2	27.2	26.6	27.7	28.1	25.9	27.0	26.4	27.4	27.8
	6H	26.7	27.6	27.1	28.0	28.5	26.3	27.2	26.8	27.7	28.1
	8H	26.8	27.6	27.3	28.1	28.6	26.4	27.2	26.8	27.7	28.1
	12H	26.8	27.6	27.3	28.1	28.6	26.4	27.2	26.9	27.6	28.1
8H	4H	26.4	27.3	26.9	27.7	28.2	26.2	27.1	26.7	27.5	28.0
	6H	27.0	27.7	27.5	28.2	28.7	26.6	27.4	27.1	27.8	28.3
	8H	27.2	27.8	27.7	28.3	28.8	26.7	27.4	27.2	27.9	28.4
	12H	27.2	27.8	27.7	28.3	28.8	26.8	27.3	27.3	27.8	28.4
12H	4H	26.4	27.2	26.9	27.7	28.2	26.2	27.0	26.7	27.5	27.9
	6H	27.0	27.7	27.5	28.1	28.7	26.7	27.3	27.2	27.8	28.3
	8H	27.2	27.8	27.7	28.2	28.8	26.8	27.3	27.3	27.8	28.4

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