

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: P1219858

Luminaire Tested: SECHSBATMBLK-6500k

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219858
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SECHSBATMBLK-6500k
Description: BAT SEL 1200 Motion 2H Blk at 6500K

Light Source:
Ballast/Driver: -

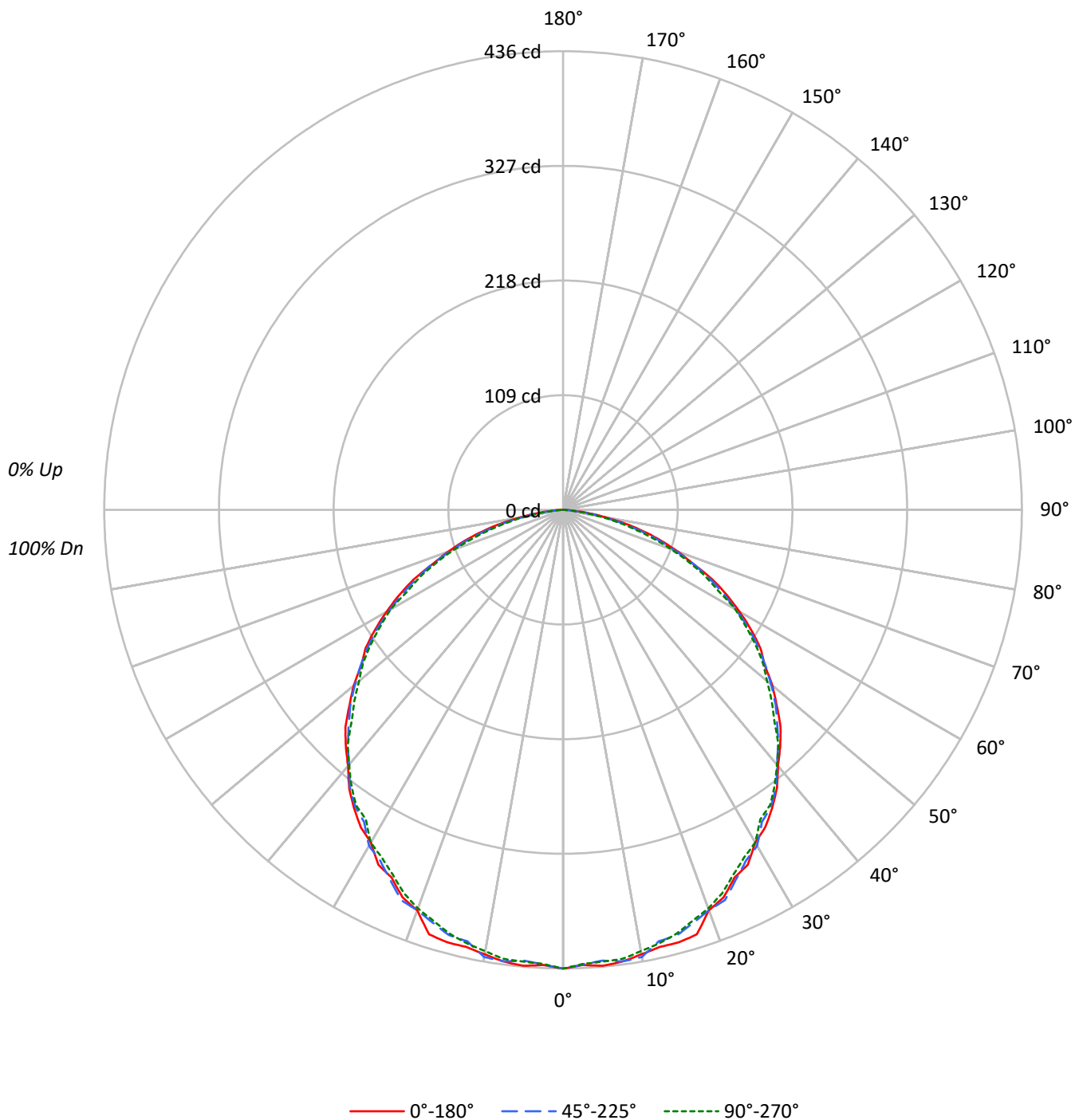
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1215.7 lumens
Efficiency: N/A
Efficacy: 126.6 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: >0.28
Total Harmonic Distortion (THDi): <39
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	97	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	73		70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	63		70	65	62		59
4	83	71	62	55	81	70	61	55	67	60	54		65	59	54		63	57	53		51
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		56	50	46		44
6	70	57	48	42	68	56	48	41	54	47	41		53	46	41		51	45	40		38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36		34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	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	27		37	31	26		37	31	26		25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25035	25035	25035
5°	25073	24785	24843
10°	25014	25159	24839
15°	25295	24879	24789
20°	24748	24748	24632
25°	24431	24589	24241
30°	24209	24441	24209
35°	24269	24129	24024
40°	23816	23704	23704
45°	23739	23374	23049
50°	23176	23042	22596
55°	22920	22620	22319
60°	22228	21826	21712
65°	21286	20742	20267
70°	19437	19017	18346
75°	17589	16480	15393
80°	13521	12034	11207
85°	7575	5269	3623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23739 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	3.4
10°-20°	117.9	9.7
20°-30°	178.3	14.7
30°-40°	214.3	17.6
40°-50°	221.9	18.3
50°-60°	200.3	16.5
60°-70°	149.9	12.3
70°-80°	78.4	6.5
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°	337.4	27.8
0°-40°	551.7	45.4
0°-60°	973.8	80.1
0°-90°	1215.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1215.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	435	432	430	431	431	41
15°	426	416	419	409	417	120
25°	386	389	388	381	383	179
35°	346	344	344	339	343	216
45°	292	289	288	285	284	224
55°	229	227	226	221	223	203
65°	157	154	153	148	149	153
75°	79	76	74	70	69	83
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°	436.1	436.1	436.1	436.1	436.1
2.5°	433.1	436.6	432.6	431.6	432.1
5°	435.1	432.1	430.1	430.6	431.1
7.5°	433.1	430.6	433.1	428.6	430.6
10°	429.1	427.6	431.6	428.1	426.1
12.5°	425.6	423.1	420.1	420.6	422.1
15°	425.6	416.1	418.6	409.1	417.1
17.5°	423.1	410.6	411.6	415.1	409.6
20°	405.1	403.6	405.1	404.1	403.2
22.5°	398.7	398.2	401.7	392.7	394.7
25°	385.7	388.7	388.2	381.2	382.7
27.5°	380.2	377.7	376.2	377.7	372.7
30°	365.2	367.7	368.7	366.2	365.2
32.5°	357.7	356.2	351.8	351.8	348.8
35°	346.3	343.8	344.3	339.3	342.8
37.5°	333.8	330.8	332.8	324.8	330.3
40°	317.8	318.8	316.3	316.3	316.3
42.5°	305.4	304.4	302.4	297.9	302.9
45°	292.4	289.4	287.9	285.4	283.9
47.5°	275.4	274.4	273.9	268.4	268.9
50°	259.5	258.5	258.0	255.5	253.0
52.5°	241.0	240.5	242.0	238.5	239.5
55°	229.0	227.0	226.0	221.0	223.0
57.5°	211.6	206.6	208.6	204.1	205.6
60°	193.6	191.6	190.1	185.1	189.1
62.5°	175.6	172.1	171.1	167.6	165.7
65°	156.7	153.7	152.7	148.2	149.2
67.5°	133.2	135.7	134.2	129.7	129.2
70°	115.8	115.8	113.3	109.8	109.3
72.5°	97.8	96.3	94.3	90.8	89.3
75°	79.3	76.3	74.3	70.4	69.4
77.5°	60.4	57.9	55.4	51.9	51.4
80°	40.9	39.4	36.4	33.4	33.9
82.5°	25.4	23.9	21.0	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	25.4	26.8	25.8	27.2	27.6	25.2	26.6	25.6	26.9	27.3
	6H	25.8	27.1	26.2	27.5	27.9	25.5	26.7	25.9	27.1	27.5
	8H	25.9	27.1	26.3	27.5	27.9	25.5	26.7	25.9	27.1	27.5
	12H	25.9	27.1	26.4	27.5	27.9	25.5	26.7	25.9	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	27.8	28.3	26.1	27.2	26.5	27.6	28.0
	6H	26.9	27.8	27.3	28.2	28.7	26.5	27.4	26.9	27.8	28.3
	8H	27.0	27.8	27.4	28.3	28.7	26.6	27.4	27.0	27.9	28.3
	12H	27.0	27.8	27.5	28.3	28.7	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	26.8	27.7	28.1
	6H	27.2	27.9	27.7	28.4	28.9	26.8	27.5	27.3	28.0	28.5
	8H	27.3	28.0	27.8	28.5	29.0	26.9	27.6	27.4	28.1	28.5
	12H	27.4	28.0	27.9	28.5	29.0	26.9	27.5	27.5	28.0	28.6
12H	4H	26.6	27.4	27.1	27.9	28.3	26.4	27.2	26.9	27.6	28.1
	6H	27.2	27.8	27.7	28.3	28.8	26.9	27.5	27.4	28.0	28.5
	8H	27.4	27.9	27.9	28.4	29.0	27.0	27.5	27.5	28.0	28.6

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