

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: P1219838

Luminaire Tested: SEC3HSSOLMBLK-6500K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219838
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSSOLMBLK-6500K
Description: Solar SEL 2000 5CCT Motion 3H BLK-6500K

Light Source:
Ballast/Driver: -

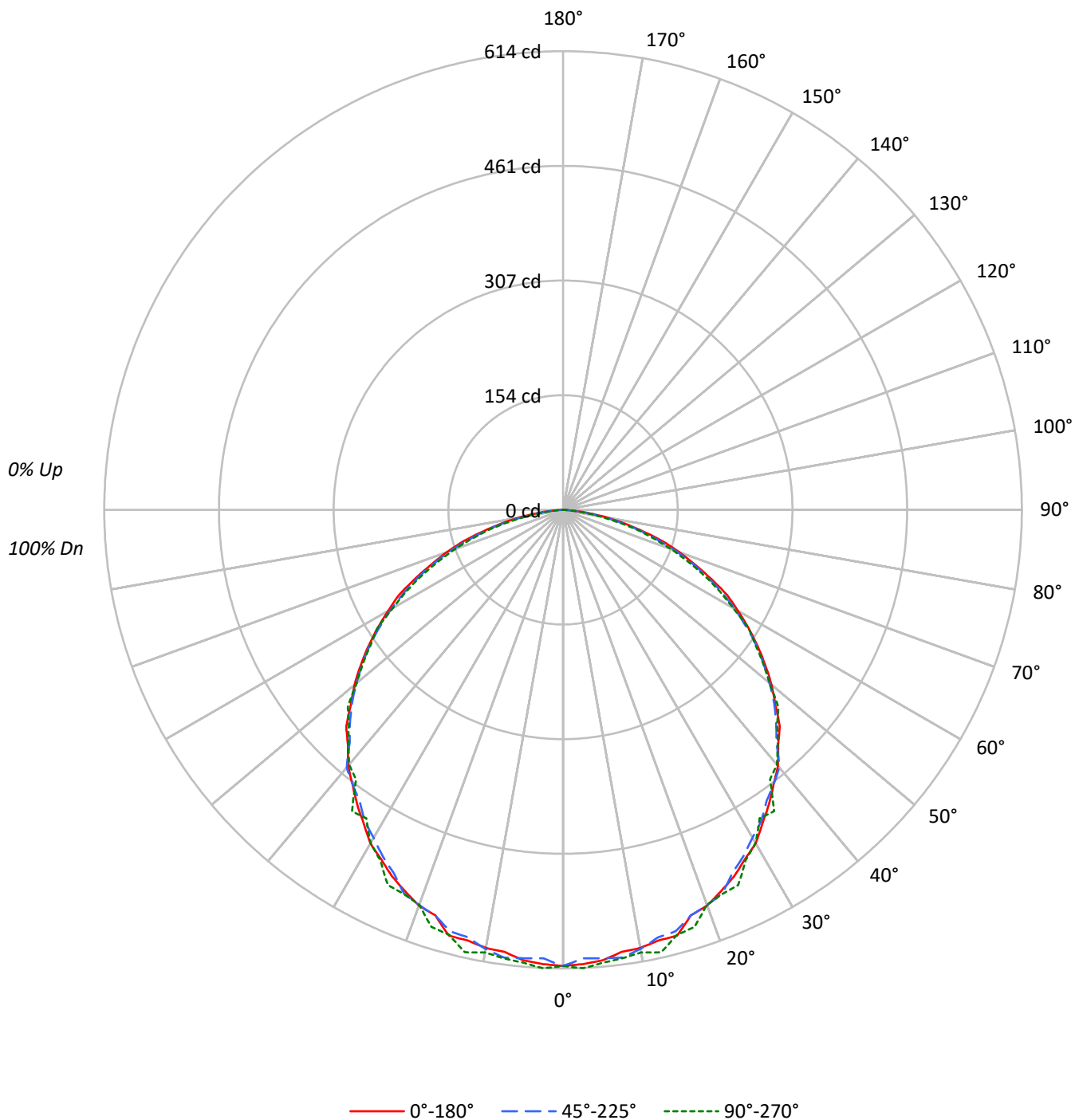
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1713.4 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.25' x L: 1.08' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: >0.29
Total Harmonic Distortion (THDi): <40
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	96	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	62		70
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		51
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		46
8	61	47	38	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	26		37	31	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24346	24346	24346
5°	24235	24115	24359
10°	24107	24167	24354
15°	24351	24099	24310
20°	23915	23889	23868
25°	23815	23591	24391
30°	23735	23339	23712
35°	23395	23122	23959
40°	23278	23434	23174
45°	23133	22738	22851
50°	22594	22377	22346
55°	22082	21943	21804
60°	21544	21137	20938
65°	20621	20140	19715
70°	19221	18638	17927
75°	16990	16281	15665
80°	13706	11961	11272
85°	7410	5763	4849

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	3.4
10°-20°	165.0	9.6
20°-30°	249.9	14.6
30°-40°	300.5	17.5
40°-50°	313.3	18.3
50°-60°	283.0	16.5
60°-70°	212.3	12.4
70°-80°	111.6	6.5
80°-90°	20.1	1.2
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°	472.6	27.6
0°-40°	773.0	45.1
0°-60°	1369.3	79.9
0°-90°	1713.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	606	604	603	613	609	57
15°	590	587	584	590	589	165
25°	541	545	536	548	554	249
35°	481	481	475	486	492	301
45°	410	408	403	406	405	314
55°	318	321	316	316	314	284
65°	219	220	214	217	209	216
75°	110	109	106	100	102	117
85°	16	16	13	11	11	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.7	610.7	610.7	610.7	610.7
2.5°	608.7	611.7	601.1	609.7	614.2
5°	605.6	604.1	602.6	612.7	608.7
7.5°	597.0	605.1	604.6	604.1	605.6
10°	595.5	600.1	597.0	603.1	601.6
12.5°	590.5	595.0	586.4	594.0	606.7
15°	590.0	587.4	583.9	590.5	589.0
17.5°	569.2	565.2	569.2	577.3	585.4
20°	563.7	566.7	563.1	570.2	562.6
22.5°	552.5	555.1	556.1	555.1	556.6
25°	541.4	545.4	536.3	548.0	554.5
27.5°	527.2	526.7	522.7	529.2	529.2
30°	515.6	514.6	507.0	514.1	515.1
32.5°	496.9	493.3	493.8	493.3	489.8
35°	480.7	480.7	475.1	486.2	492.3
37.5°	463.0	464.0	463.0	464.0	454.9
40°	447.3	446.8	450.3	446.3	445.3
42.5°	426.0	428.1	422.5	428.1	425.0
45°	410.3	407.8	403.3	406.3	405.3
47.5°	385.0	383.0	383.0	386.1	390.6
50°	364.3	368.9	360.8	362.8	360.3
52.5°	341.0	341.0	338.0	341.5	337.5
55°	317.7	321.3	315.7	315.7	313.7
57.5°	294.0	296.5	290.4	292.5	294.5
60°	270.2	267.7	265.1	264.6	262.6
62.5°	247.9	245.9	239.8	239.3	236.3
65°	218.6	220.1	213.5	216.6	209.0
67.5°	190.8	190.2	186.7	185.2	181.1
70°	164.9	166.0	159.9	158.4	153.8
72.5°	139.1	137.6	131.6	129.0	126.5
75°	110.3	108.8	105.7	100.2	101.7
77.5°	84.0	82.0	79.9	73.9	72.4
80°	59.7	57.2	52.1	49.6	49.1
82.5°	35.9	34.4	30.9	27.8	26.3
85°	16.2	15.7	12.6	11.1	10.6
87.5°	4.0	3.5	3.0	3.0	2.5
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	27.5	25.2	26.6	25.6	26.9	27.3
	6H	25.8	27.1	26.2	27.5	27.9	25.5	26.8	25.9	27.1	27.5
	8H	25.9	27.1	26.3	27.5	27.9	25.5	26.8	26.0	27.1	27.5
	12H	25.9	27.1	26.4	27.5	27.9	25.5	26.7	26.0	27.1	27.5
4H	2H	23.7	25.0	24.1	25.4	25.8	23.6	25.0	24.0	25.3	25.7
	3H	25.6	26.8	26.0	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	26.8	27.8	27.3	28.2	28.6	26.5	27.4	26.9	27.9	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	28.2	28.7	26.6	27.4	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	28.8	26.8	27.5	27.3	28.0	28.5
	8H	27.3	28.0	27.8	28.5	28.9	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	27.8	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	27.6	27.5	28.0	28.6

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