

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: P1219834

Luminaire Tested: SEC3HSSOLMBLK-2700K

Issue Date: 1/8/2026

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1219834
Test Lab: INNOVATION CENTER
Issue Date: 1/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSSOLMBLK-2700K
Description: Solar SEL 2000 5CCT Motion 3H BLK-2700K

Light Source:
Ballast/Driver: -

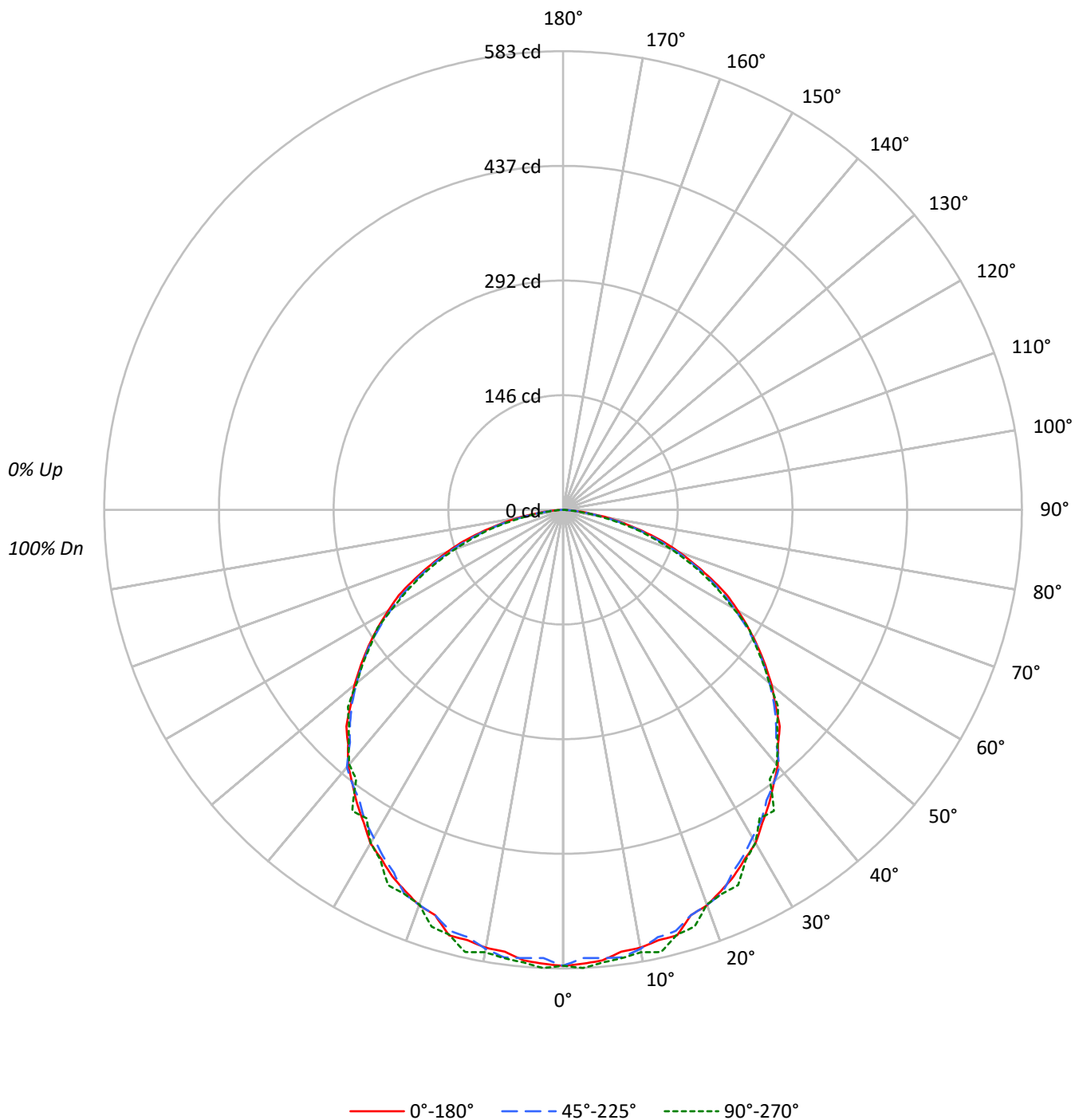
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1626.0 lumens
Efficiency: N/A
Efficacy: 108.4 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: >0.9
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	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°	23107	23107	23107
5°	23003	22887	23115
10°	22880	22937	23111
15°	23109	22869	23067
20°	22693	22672	22651
25°	22601	22390	23151
30°	22524	22147	22501
35°	22202	21944	22738
40°	22092	22237	21988
45°	21954	21576	21684
50°	21441	21236	21205
55°	20956	20824	20692
60°	20443	20061	19869
65°	19564	19112	18706
70°	18242	17682	17018
75°	16127	15465	14864
80°	13017	11364	10698
85°	7044	5489	4620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	3.4
10°-20°	156.6	9.6
20°-30°	237.1	14.6
30°-40°	285.1	17.5
40°-50°	297.3	18.3
50°-60°	268.5	16.5
60°-70°	201.5	12.4
70°-80°	105.9	6.5
80°-90°	19.1	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°	448.5	27.6
0°-40°	733.6	45.1
0°-60°	1299.5	79.9
0°-90°	1626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	580	580	580	580	580	
5°	575	573	572	582	578	54
15°	560	558	554	560	559	156
25°	514	518	509	520	526	237
35°	456	456	451	461	467	286
45°	389	387	383	386	385	298
55°	302	305	300	300	298	270
65°	207	209	203	206	198	205
75°	105	103	100	95	96	111
85°	15	15	12	11	10	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	579.6	579.6	579.6	579.6	579.6
2.5°	577.6	580.5	570.4	578.6	582.9
5°	574.8	573.3	571.9	581.5	577.6
7.5°	566.6	574.3	573.8	573.3	574.8
10°	565.2	569.5	566.6	572.4	570.9
12.5°	560.4	564.7	556.5	563.7	575.7
15°	559.9	557.5	554.1	560.4	558.9
17.5°	540.2	536.3	540.2	547.9	555.6
20°	534.9	537.8	534.4	541.1	533.9
22.5°	524.3	526.7	527.7	526.7	528.2
25°	513.8	517.6	509.0	520.0	526.3
27.5°	500.3	499.9	496.0	502.3	502.3
30°	489.3	488.3	481.1	487.8	488.8
32.5°	471.5	468.2	468.6	468.2	464.8
35°	456.2	456.2	450.9	461.4	467.2
37.5°	439.4	440.3	439.4	440.3	431.7
40°	424.5	424.0	427.3	423.5	422.5
42.5°	404.3	406.2	400.9	406.2	403.3
45°	389.4	387.0	382.7	385.6	384.6
47.5°	365.4	363.5	363.5	366.4	370.7
50°	345.7	350.0	342.4	344.3	341.9
52.5°	323.6	323.6	320.8	324.1	320.3
55°	301.5	304.9	299.6	299.6	297.7
57.5°	279.0	281.4	275.6	277.5	279.5
60°	256.4	254.0	251.6	251.1	249.2
62.5°	235.3	233.4	227.6	227.1	224.2
65°	207.4	208.9	202.6	205.5	198.3
67.5°	181.0	180.5	177.2	175.7	171.9
70°	156.5	157.5	151.7	150.3	146.0
72.5°	132.0	130.6	124.8	122.4	120.0
75°	104.7	103.2	100.4	95.1	96.5
77.5°	79.7	77.8	75.9	70.1	68.7
80°	56.7	54.3	49.5	47.1	46.6
82.5°	34.1	32.7	29.3	26.4	25.0
85°	15.4	14.9	12.0	10.6	10.1
87.5°	3.8	3.4	2.9	2.9	2.4
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	23.2	24.7	25.1
	3H	24.6	26.1	25.0	26.4	26.8	24.5	25.9	24.8	26.3	26.6
	4H	25.2	26.6	25.6	27.0	27.4	25.0	26.4	25.4	26.7	27.1
	6H	25.6	26.9	26.0	27.3	27.7	25.3	26.6	25.7	26.9	27.3
	8H	25.7	26.9	26.1	27.3	27.7	25.3	26.6	25.8	27.0	27.4
	12H	25.7	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	25.4	26.6	25.9	27.0	27.4	25.3	26.4	25.7	26.8	27.2
	4H	26.2	27.2	26.6	27.6	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	27.2	28.1	28.5	26.4	27.2	26.8	27.7	28.1
	12H	26.8	27.6	27.3	28.1	28.5	26.4	27.2	26.9	27.6	28.1
8H	4H	26.4	27.3	26.9	27.7	28.2	26.2	27.0	26.7	27.5	28.0
	6H	27.0	27.7	27.5	28.2	28.7	26.7	27.4	27.1	27.8	28.3
	8H	27.1	27.8	27.6	28.3	28.8	26.8	27.4	27.3	27.9	28.4
	12H	27.2	27.8	27.7	28.3	28.8	26.8	27.4	27.3	27.8	28.4
12H	4H	26.4	27.2	26.9	27.7	28.1	26.2	27.0	26.7	27.5	27.9
	6H	27.0	27.6	27.5	28.1	28.6	26.7	27.3	27.2	27.8	28.3
	8H	27.2	27.7	27.7	28.2	28.8	26.8	27.4	27.3	27.9	28.4

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