

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: P1212262

Luminaire Tested: SEC3HSHWMWH-2700K

Issue Date: 11/18/2025

Tested By:

Approved By:



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Test Information

Test Method: LM-79-2019
Report Number: P1212262
Test Lab: INNOVATION CENTER
Issue Date: 11/18/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSHWMWH-2700K
Description: 120V SEL3500 Motion 3H WH at 2700K

Light Source:
Ballast/Driver: -

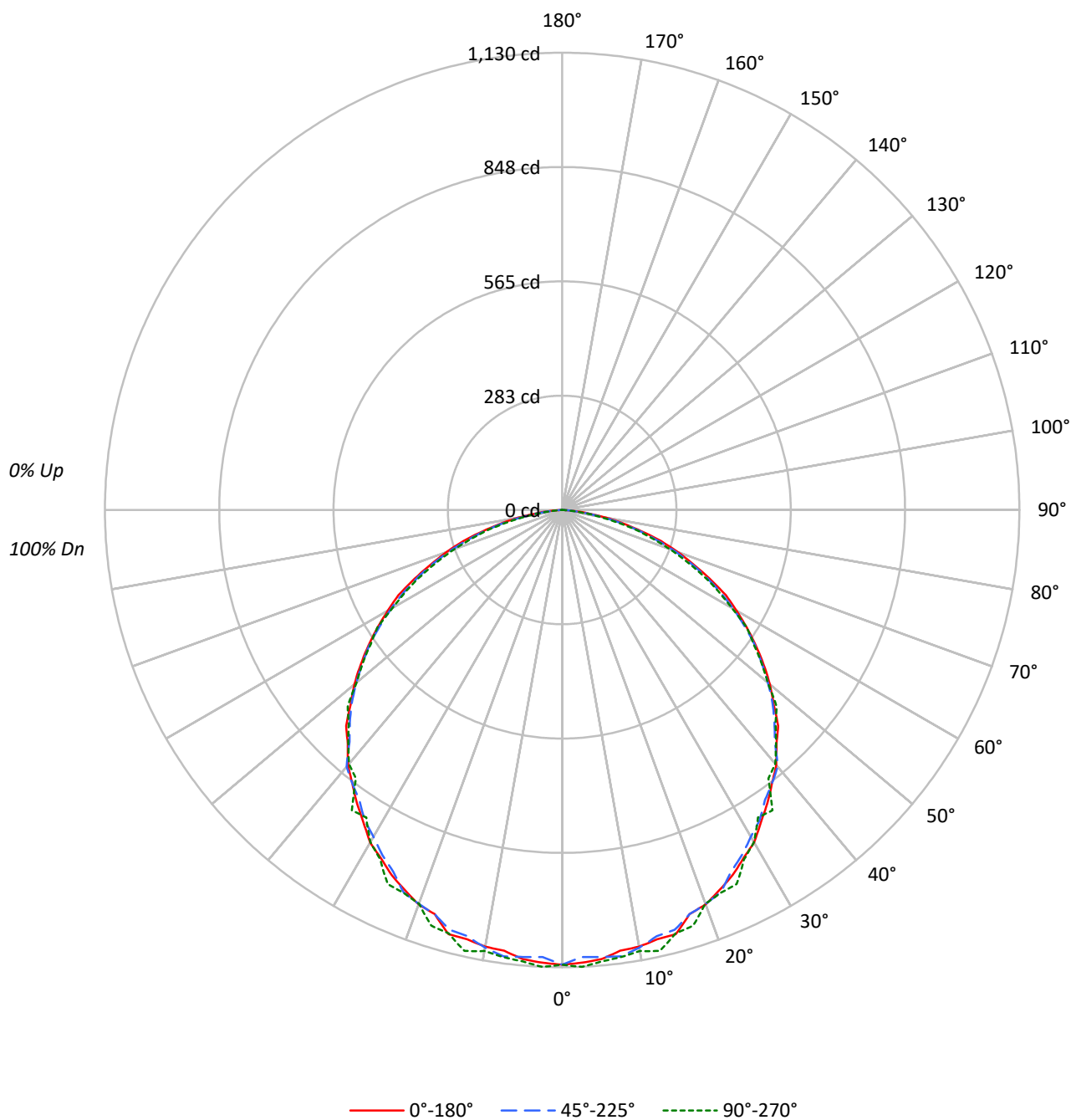
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3152.6 lumens
Efficiency: N/A
Efficacy: 111.0 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): 28.4
Input Voltage (V): 120
Input Current (Ain): 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				0
RW	70	50	30	10	70	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		100
1	109	104	100	96	106	102	98	95	98	95	92		94	91	89		84
2	99	91	84	79	97	89	83	78	86	80	76		82	78	74		70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		44
6	70	57	48	41	68	56	47	41	54	47	41		52	46	41		38
7	65	52	43	37	63	51	42	36	49	42	36		48	41	36		34
8	61	47	38	33	59	46	38	33	45	38	32		44	37	32		30
9	57	43	35	29	55	43	35	29	41	34	29		40	34	29		27
10	53	40	32	27	52	39	32	27	38	31	26		37	31	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44798	44798	44798
5°	44597	44373	44821
10°	44355	44469	44809
15°	44801	44339	44723
20°	43999	43961	43918
25°	43816	43407	44881
30°	43672	42940	43626
35°	43042	42545	44083
40°	42830	43122	42638
45°	42567	41834	42042
50°	41573	41170	41108
55°	40633	40375	40118
60°	39635	38894	38527
65°	37940	37063	36271
70°	35376	34292	32987
75°	31268	29975	28819
80°	25231	22017	20731
85°	13631	10658	8965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	3.4
10°-20°	303.6	9.6
20°-30°	459.7	14.6
30°-40°	552.8	17.5
40°-50°	576.5	18.3
50°-60°	520.7	16.5
60°-70°	390.6	12.4
70°-80°	205.3	6.5
80°-90°	37.1	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°	869.5	27.6
0°-40°	1422.3	45.1
0°-60°	2519.5	79.9
0°-90°	3152.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3152.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1114	1112	1109	1127	1120	106
15°	1086	1081	1074	1086	1084	303
25°	996	1004	987	1008	1020	459
35°	884	884	874	895	906	554
45°	755	750	742	748	746	578
55°	585	591	581	581	577	523
65°	402	405	393	398	384	398
75°	203	200	195	184	187	216
85°	30	29	23	20	20	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1123.7	1123.7	1123.7	1123.7	1123.7
2.5°	1120.0	1125.5	1106.0	1121.8	1130.2
5°	1114.4	1111.6	1108.8	1127.4	1120.0
7.5°	1098.5	1113.4	1112.5	1111.6	1114.4
10°	1095.7	1104.1	1098.5	1109.7	1106.9
12.5°	1086.4	1094.8	1079.0	1093.0	1116.2
15°	1085.5	1080.9	1074.3	1086.4	1083.6
17.5°	1047.3	1039.9	1047.3	1062.2	1077.1
20°	1037.1	1042.7	1036.2	1049.2	1035.2
22.5°	1016.6	1021.3	1023.1	1021.3	1024.1
25°	996.1	1003.6	986.8	1008.2	1020.3
27.5°	970.1	969.1	961.7	973.8	973.8
30°	948.7	946.8	932.8	945.9	947.7
32.5°	914.2	907.7	908.6	907.7	901.2
35°	884.4	884.4	874.2	894.7	905.8
37.5°	851.8	853.7	851.8	853.7	836.9
40°	823.0	822.0	828.6	821.1	819.3
42.5°	783.9	787.6	777.4	787.6	782.0
45°	755.0	750.4	742.0	747.6	745.7
47.5°	708.5	704.7	704.7	710.3	718.7
50°	670.3	678.7	663.8	667.5	662.8
52.5°	627.5	627.5	621.9	628.4	621.0
55°	584.6	591.2	580.9	580.9	577.2
57.5°	540.9	545.5	534.4	538.1	541.8
60°	497.1	492.5	487.8	486.9	483.2
62.5°	456.2	452.5	441.3	440.3	434.8
65°	402.2	405.0	392.9	398.5	384.5
67.5°	351.0	350.0	343.5	340.7	333.3
70°	303.5	305.4	294.2	291.4	283.0
72.5°	256.0	253.2	242.1	237.4	232.7
75°	203.0	200.2	194.6	184.3	187.1
77.5°	154.5	150.8	147.1	135.9	133.1
80°	109.9	105.2	95.9	91.2	90.3
82.5°	66.1	63.3	56.8	51.2	48.4
85°	29.8	28.9	23.3	20.5	19.6
87.5°	7.4	6.5	5.6	5.6	4.7
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	25.2	26.8	25.5	27.1	27.4	25.1	26.7	25.5	27.0	27.4
	3H	26.9	28.4	27.3	28.7	29.1	26.8	28.2	27.1	28.6	28.9
	4H	27.5	28.9	27.9	29.3	29.7	27.3	28.7	27.7	29.0	29.4
	6H	27.9	29.2	28.3	29.6	30.0	27.6	28.9	28.0	29.2	29.6
	8H	28.0	29.2	28.4	29.6	30.0	27.6	28.9	28.1	29.3	29.7
	12H	28.0	29.2	28.5	29.6	30.0	27.6	28.8	28.1	29.2	29.6
4H	2H	25.8	27.2	26.2	27.5	27.9	25.7	27.1	26.1	27.5	27.8
	3H	27.7	28.9	28.2	29.3	29.7	27.6	28.7	28.0	29.1	29.5
	4H	28.5	29.5	28.9	29.9	30.4	28.2	29.3	28.7	29.7	30.1
	6H	29.0	29.9	29.4	30.3	30.8	28.6	29.5	29.1	30.0	30.4
	8H	29.1	29.9	29.5	30.4	30.8	28.7	29.5	29.1	30.0	30.4
	12H	29.1	29.9	29.6	30.4	30.8	28.7	29.5	29.2	29.9	30.4
8H	4H	28.7	29.6	29.2	30.0	30.5	28.5	29.4	29.0	29.8	30.3
	6H	29.3	30.0	29.8	30.5	31.0	29.0	29.7	29.4	30.1	30.6
	8H	29.4	30.1	29.9	30.6	31.1	29.1	29.7	29.6	30.2	30.7
	12H	29.5	30.1	30.0	30.6	31.1	29.1	29.7	29.6	30.1	30.7
12H	4H	28.7	29.5	29.2	30.0	30.4	28.5	29.3	29.0	29.8	30.2
	6H	29.3	29.9	29.8	30.4	30.9	29.0	29.6	29.5	30.1	30.6
	8H	29.5	30.0	30.0	30.5	31.1	29.1	29.7	29.6	30.2	30.7

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