

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: P1212268

Luminaire Tested: SEC3HSHWMWH-5000K

Issue Date: 11/18/2025

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-2019
Report Number: P1212268
Test Lab: INNOVATION CENTER
Issue Date: 11/18/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SEC3HSHWMWH-5000K
Description: 120V SEL3500 Motion 3H WH at 5000K

Light Source:
Ballast/Driver: -

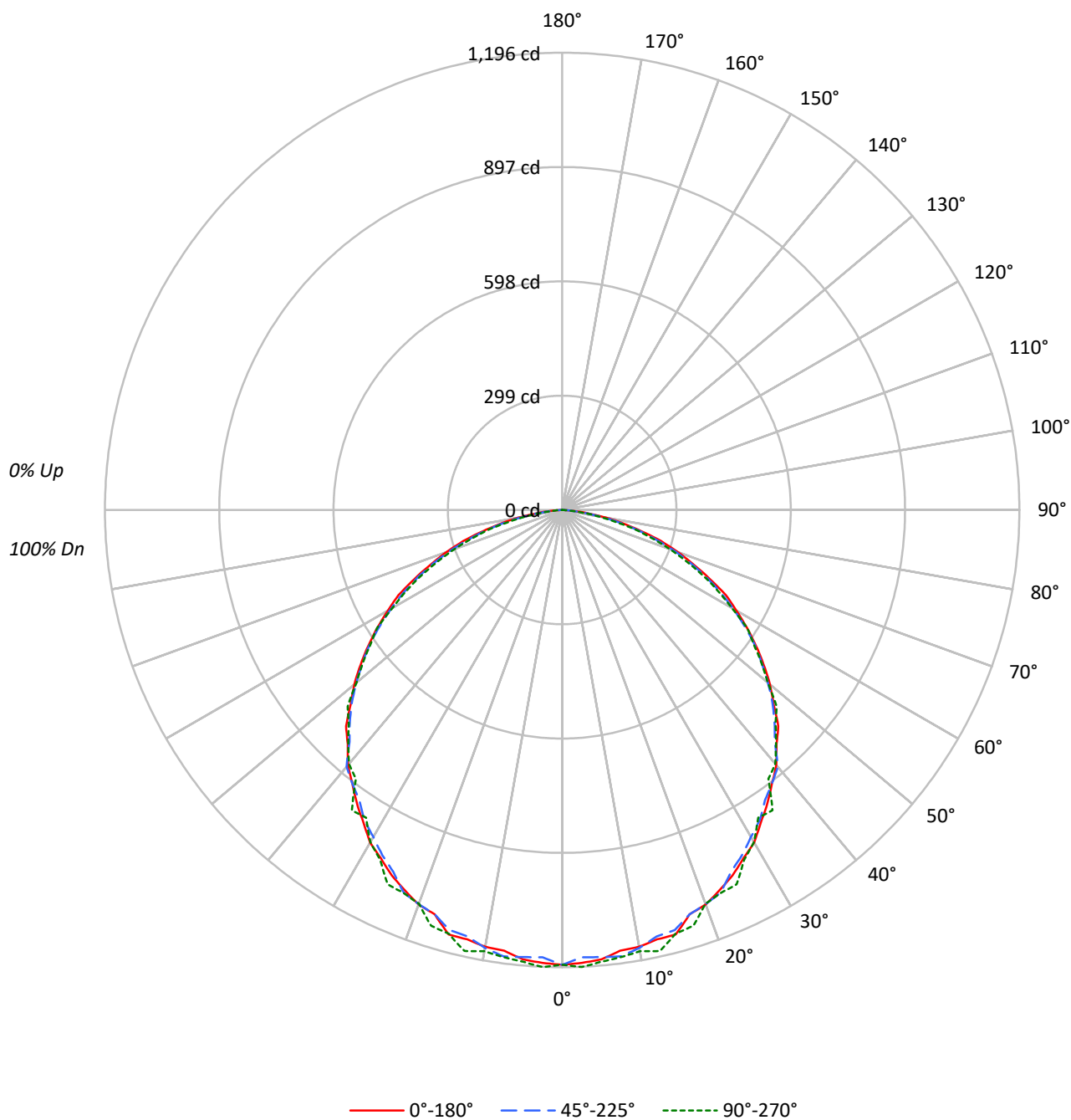
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3337.5 lumens
Efficiency: N/A
Efficacy: 117.5 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: >0.30
Total Harmonic Distortion (THDi): <41
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1212268
CATALOG NUMBER: SEC3HSHWMWH-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1212268
CATALOG NUMBER: SEC3HSHWMWH-5000K

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	104	100	96	106	102	98	95		98	95	92		94	91	89		90	88	86
2	99	91	84	79	97	89	83	78		86	80	76		82	78	74		79	76	72
3	90	80	72	65	88	78	71	65		75	69	64		73	67	62		70	65	61
4	83	71	62	55	80	69	61	55		67	60	54		65	58	53		62	57	53
5	76	63	54	48	74	62	54	47		60	52	47		58	51	46		56	50	46
6	70	57	48	41	68	56	47	41		54	47	41		52	46	41		51	45	40
7	65	52	43	37	63	51	42	36		49	42	36		48	41	36		46	40	36
8	61	47	38	33	59	46	38	33		45	38	32		44	37	32		43	36	32
9	57	43	35	29	55	43	35	29		41	34	29		40	34	29		39	33	29
10	53	40	32	27	52	39	32	27		38	31	26		37	31	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47425	47425	47425
5°	47214	46974	47450
10°	46962	47080	47440
15°	47431	46944	47348
20°	46583	46540	46498
25°	46389	45954	47515
30°	46232	45463	46186
35°	45568	45042	46672
40°	45344	45651	45136
45°	45064	44286	44512
50°	44010	43582	43520
55°	43024	42745	42474
60°	41963	41182	40783
65°	40166	39233	38402
70°	37451	36297	34922
75°	33101	31731	30514
80°	26700	23302	21948
85°	14409	11252	9468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 45064 cd/sqm

TEST NUMBER: P1212268
CATALOG NUMBER: SEC3HSHWMWH-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	3.4
10°-20°	321.5	9.6
20°-30°	486.7	14.6
30°-40°	585.3	17.5
40°-50°	610.3	18.3
50°-60°	551.2	16.5
60°-70°	413.5	12.4
70°-80°	217.4	6.5
80°-90°	39.3	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°	920.6	27.6
0°-40°	1505.8	45.1
0°-60°	2667.4	79.9
0°-90°	3337.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3337.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1180	1177	1174	1194	1186	112
15°	1149	1144	1137	1150	1147	321
25°	1055	1062	1045	1067	1080	486
35°	936	936	926	947	959	586
45°	799	794	786	791	790	612
55°	619	626	615	615	611	553
65°	426	429	416	422	407	422
75°	215	212	206	195	198	229
85°	32	31	25	22	21	46
90°	0	0	0	0	0	

TEST NUMBER: P1212268
CATALOG NUMBER: SEC3HSHWMWH-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1189.6	1189.6	1189.6	1189.6	1189.6
2.5°	1185.7	1191.6	1170.9	1187.6	1196.5
5°	1179.8	1176.8	1173.8	1193.6	1185.7
7.5°	1163.0	1178.8	1177.8	1176.8	1179.8
10°	1160.1	1168.9	1163.0	1174.8	1171.9
12.5°	1150.2	1159.1	1142.3	1157.1	1181.7
15°	1149.2	1144.3	1137.4	1150.2	1147.2
17.5°	1108.8	1100.9	1108.8	1124.6	1140.3
20°	1098.0	1103.9	1097.0	1110.8	1096.0
22.5°	1076.3	1081.2	1083.2	1081.2	1084.2
25°	1054.6	1062.5	1044.7	1067.4	1080.2
27.5°	1027.0	1026.0	1018.1	1030.9	1030.9
30°	1004.3	1002.4	987.6	1001.4	1003.3
32.5°	967.9	961.0	961.9	961.0	954.1
35°	936.3	936.3	925.5	947.2	959.0
37.5°	901.8	903.8	901.8	903.8	886.1
40°	871.3	870.3	877.2	869.3	867.3
42.5°	829.9	833.8	823.0	833.8	827.9
45°	799.3	794.4	785.5	791.4	789.5
47.5°	750.0	746.1	746.1	752.0	760.9
50°	709.6	718.5	702.7	706.7	701.7
52.5°	664.3	664.3	658.4	665.3	657.4
55°	619.0	625.9	615.0	615.0	611.1
57.5°	572.6	577.6	565.7	569.7	573.6
60°	526.3	521.4	516.5	515.5	511.5
62.5°	482.9	479.0	467.2	466.2	460.3
65°	425.8	428.7	415.9	421.8	407.1
67.5°	371.6	370.6	363.7	360.7	352.8
70°	321.3	323.3	311.4	308.5	299.6
72.5°	271.0	268.1	256.3	251.3	246.4
75°	214.9	211.9	206.0	195.1	198.1
77.5°	163.6	159.7	155.7	143.9	140.9
80°	116.3	111.4	101.5	96.6	95.6
82.5°	70.0	67.0	60.1	54.2	51.3
85°	31.5	30.6	24.6	21.7	20.7
87.5°	7.9	6.9	5.9	5.9	4.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1212268
CATALOG NUMBER: SEC3HSHWMWH-5000K

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	25.4	27.0	25.7	27.3	27.6	25.3	26.9	25.7	27.2	27.6
	3H	27.1	28.6	27.5	28.9	29.3	27.0	28.4	27.3	28.8	29.1
	4H	27.7	29.1	28.1	29.5	29.9	27.5	28.9	27.9	29.2	29.6
	6H	28.1	29.4	28.5	29.8	30.2	27.8	29.1	28.2	29.4	29.8
	8H	28.2	29.4	28.6	29.8	30.2	27.8	29.1	28.3	29.5	29.9
	12H	28.2	29.4	28.7	29.8	30.2	27.8	29.0	28.3	29.4	29.8
4H	2H	26.0	27.4	26.4	27.7	28.1	25.9	27.3	26.3	27.6	28.0
	3H	27.9	29.1	28.4	29.5	29.9	27.8	28.9	28.2	29.3	29.7
	4H	28.7	29.7	29.1	30.1	30.6	28.4	29.5	28.9	29.9	30.3
	6H	29.2	30.1	29.6	30.5	31.0	28.8	29.7	29.3	30.2	30.6
	8H	29.3	30.1	29.7	30.6	31.0	28.9	29.7	29.3	30.2	30.6
	12H	29.3	30.1	29.8	30.6	31.0	28.9	29.7	29.4	30.1	30.6
8H	4H	28.9	29.8	29.4	30.2	30.7	28.7	29.5	29.2	30.0	30.5
	6H	29.5	30.2	30.0	30.7	31.1	29.2	29.9	29.6	30.3	30.8
	8H	29.6	30.3	30.1	30.8	31.3	29.3	29.9	29.8	30.4	30.9
	12H	29.7	30.3	30.2	30.8	31.3	29.3	29.9	29.8	30.3	30.9
12H	4H	28.9	29.7	29.4	30.2	30.6	28.7	29.5	29.2	30.0	30.4
	6H	29.5	30.1	30.0	30.6	31.1	29.2	29.8	29.7	30.3	30.8
	8H	29.7	30.2	30.2	30.7	31.3	29.3	29.9	29.8	30.4	30.9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



(END OF REPORT)