

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: HALO

Report Number: P579356

Luminaire Tested: **SMD6R69SWH-EM - 2700K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2112530E001)  
Test Lab:  
Issue Date: 11/18/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SMD6R69SWH-EM - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

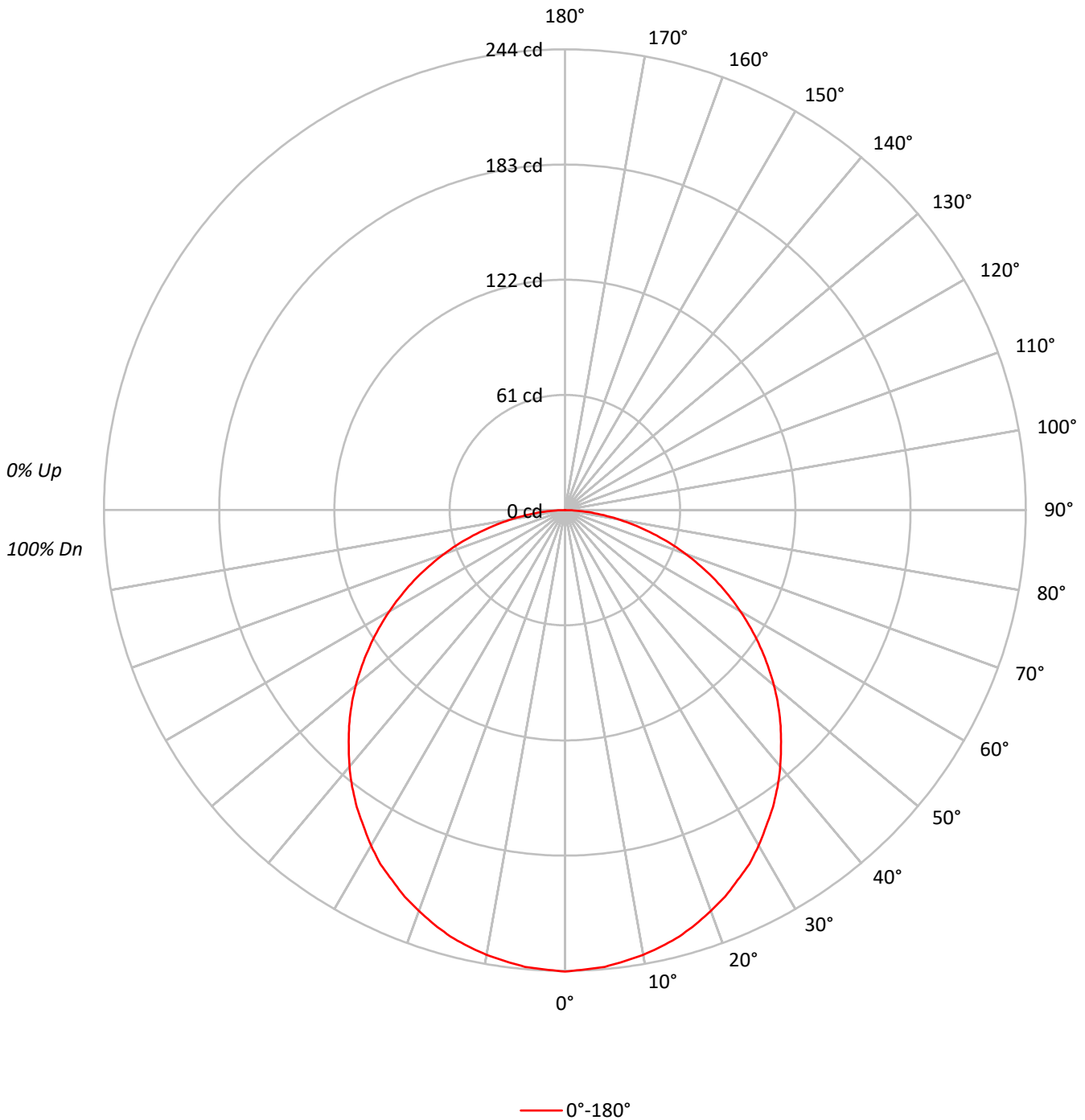
Lumens per Lamp: N/A  
Luminaire Lumens: 698.9 lumens  
Efficiency: N/A  
Efficacy: 55.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 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	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	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	13398
5°	13361
10°	13310
15°	13269
20°	13179
25°	13083
30°	12989
35°	12849
40°	12695
45°	12521
50°	12332
55°	12062
60°	11775
65°	11415
70°	10931
75°	10273
80°	9345
85°	7862



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	3.3
10°-20°	65.9	9.4
20°-30°	99.8	14.3
30°-40°	120.1	17.2
40°-50°	124.6	17.8
50°-60°	112.8	16.1
60°-70°	87.0	12.4
70°-80°	51.3	7.3
80°-90°	14.3	2.1
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°	188.8	27.0
0°-40°	308.8	44.2
0°-60°	546.2	78.2
0°-90°	698.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	244	
5°	243	23
15°	234	66
25°	216	100
35°	192	120
45°	162	125
55°	126	113
65°	88	87
75°	48	51
85°	12	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	244.4
2.5°	243.5
5°	242.8
7.5°	241.0
10°	239.1
12.5°	236.7
15°	233.8
17.5°	230.1
20°	225.9
22.5°	221.6
25°	216.3
27.5°	211.4
30°	205.2
32.5°	198.4
35°	192.0
37.5°	184.9
40°	177.4
42.5°	169.4
45°	161.5
47.5°	153.2
50°	144.6
52.5°	135.4
55°	126.2
57.5°	116.9
60°	107.4
62.5°	97.7
65°	88.0
67.5°	78.1
70°	68.2
72.5°	58.3
75°	48.5
77.5°	38.8
80°	29.6
82.5°	20.8
85°	12.5
87.5°	4.6
90°	0.0

(END OF REPORT)