

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: P579357

Luminaire Tested: **SMD6R69SWH-EM - 3000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579357  
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 - 3000K  
Description: SMD SELECTABLE CCT 3000K  
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

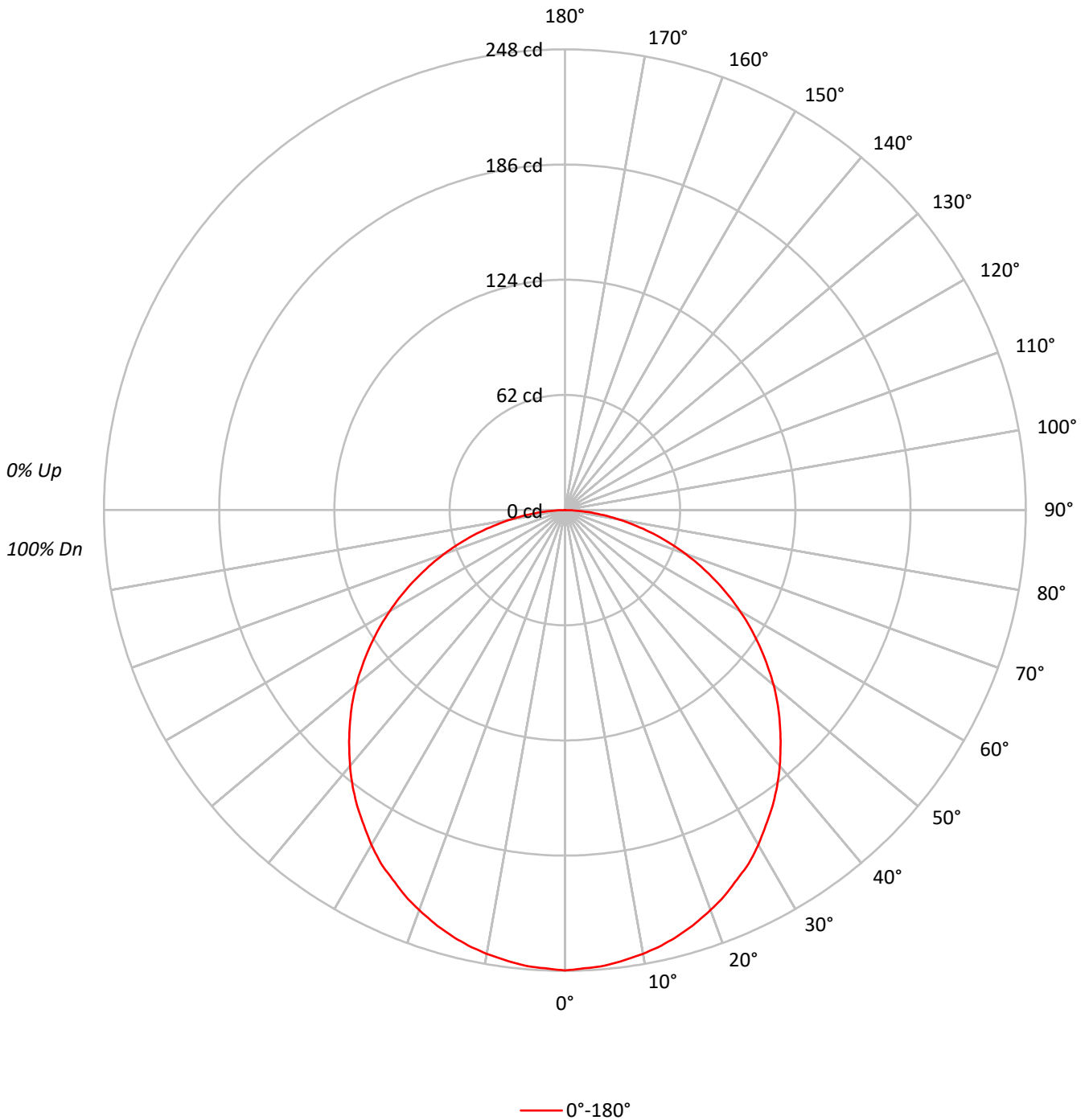
Lumens per Lamp: N/A  
Luminaire Lumens: 708.8 lumens  
Efficiency: N/A  
Efficacy: 56.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.6  
Input Voltage (V): NR  
Input Current (Ain): 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°	13584
5°	13548
10°	13499
15°	13451
20°	13365
25°	13265
30°	13173
35°	13030
40°	12874
45°	12691
50°	12511
55°	12234
60°	11940
65°	11571
70°	11092
75°	10421
80°	9471
85°	7988



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.4	3.3
10°-20°	66.9	9.4
20°-30°	101.2	14.3
30°-40°	121.7	17.2
40°-50°	126.3	17.8
50°-60°	114.4	16.1
60°-70°	88.2	12.4
70°-80°	52.1	7.3
80°-90°	14.6	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°	191.4	27.0
0°-40°	313.2	44.2
0°-60°	553.9	78.2
0°-90°	708.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	248	
5°	246	23
15°	237	67
25°	219	101
35°	195	122
45°	164	126
55°	128	114
65°	89	88
75°	49	52
85°	13	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	247.8
2.5°	246.9
5°	246.2
7.5°	244.4
10°	242.5
12.5°	240.1
15°	237.0
17.5°	233.3
20°	229.1
22.5°	224.7
25°	219.3
27.5°	214.4
30°	208.1
32.5°	201.2
35°	194.7
37.5°	187.5
40°	179.9
42.5°	171.8
45°	163.7
47.5°	155.4
50°	146.7
52.5°	137.3
55°	128.0
57.5°	118.6
60°	108.9
62.5°	99.1
65°	89.2
67.5°	79.2
70°	69.2
72.5°	59.2
75°	49.2
77.5°	39.4
80°	30.0
82.5°	21.1
85°	12.7
87.5°	4.7
90°	0.0

(END OF REPORT)