

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: P579358

Luminaire Tested: **SMD6R69SWH-EM - 3500K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579358  
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 - 3500K  
Description: SMD SELECTABLE CCT 3500K  
Light Source: SELECTABLE CCT LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

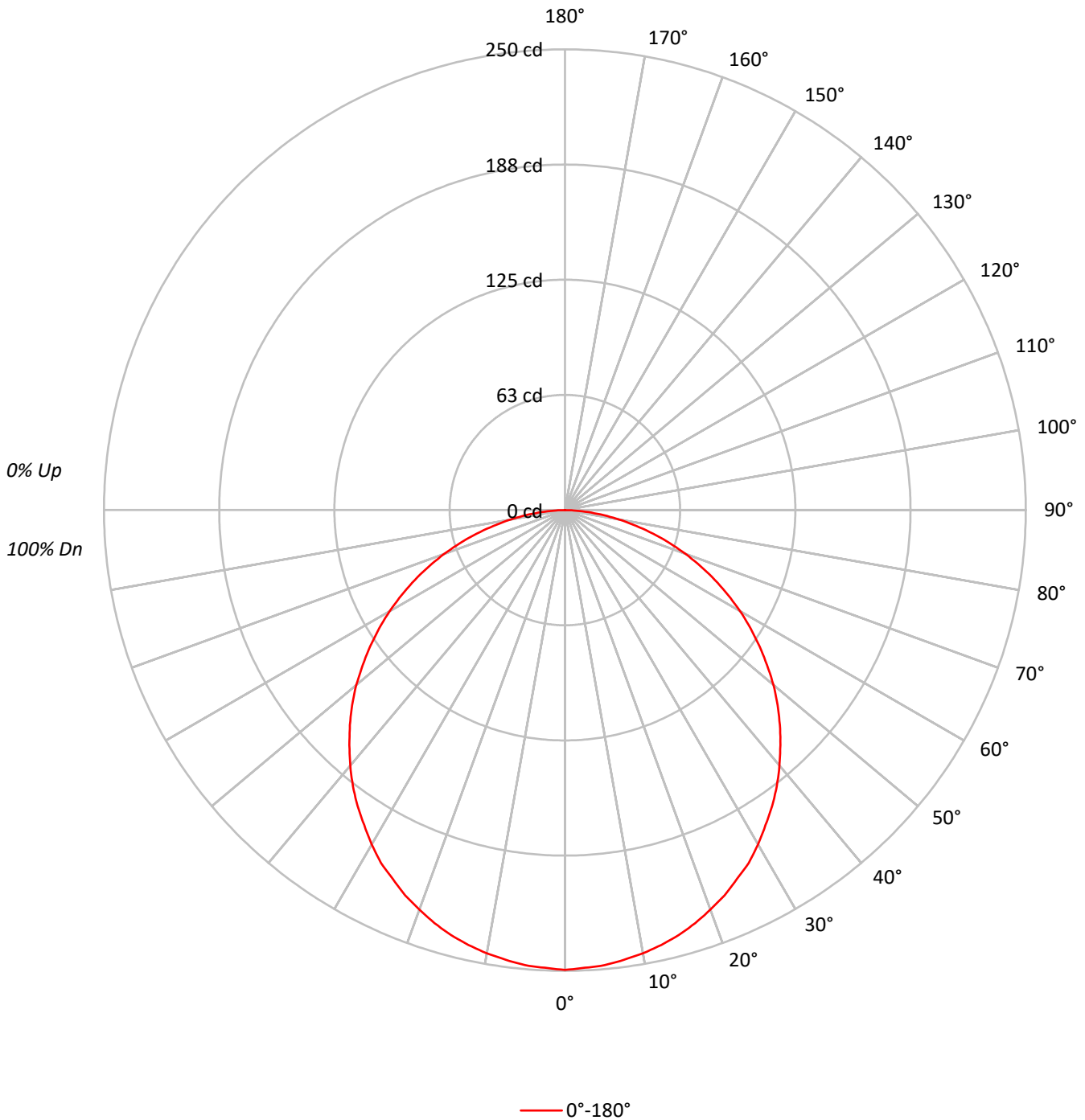
Lumens per Lamp: N/A  
Luminaire Lumens: 713.6 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	13678
5°	13642
10°	13594
15°	13547
20°	13459
25°	13356
30°	13262
35°	13117
40°	12960
45°	12784
50°	12597
55°	12320
60°	12028
65°	11648
70°	11172
75°	10485
80°	9534
85°	7988



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.5	3.3
10°-20°	67.3	9.4
20°-30°	101.9	14.3
30°-40°	122.6	17.2
40°-50°	127.2	17.8
50°-60°	115.2	16.1
60°-70°	88.8	12.4
70°-80°	52.4	7.3
80°-90°	14.6	2.0
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°	192.8	27.0
0°-40°	315.3	44.2
0°-60°	557.8	78.2
0°-90°	713.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	250	
5°	248	24
15°	239	67
25°	221	102
35°	196	123
45°	165	127
55°	129	115
65°	90	89
75°	50	52
85°	13	15
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	249.5
2.5°	248.6
5°	247.9
7.5°	246.1
10°	244.2
12.5°	241.7
15°	238.7
17.5°	235.0
20°	230.7
22.5°	226.3
25°	220.8
27.5°	215.9
30°	209.5
32.5°	202.6
35°	196.0
37.5°	188.8
40°	181.1
42.5°	173.0
45°	164.9
47.5°	156.5
50°	147.7
52.5°	138.2
55°	128.9
57.5°	119.4
60°	109.7
62.5°	99.7
65°	89.8
67.5°	79.7
70°	69.7
72.5°	59.6
75°	49.5
77.5°	39.7
80°	30.2
82.5°	21.2
85°	12.7
87.5°	4.7
90°	0.0

(END OF REPORT)