

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: P579371

Luminaire Tested: **SMD6S69SWH-EM - 2700K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579371  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2113136A001)  
Test Lab:  
Issue Date: 11/18/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: SMD6S69SWH-EM - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

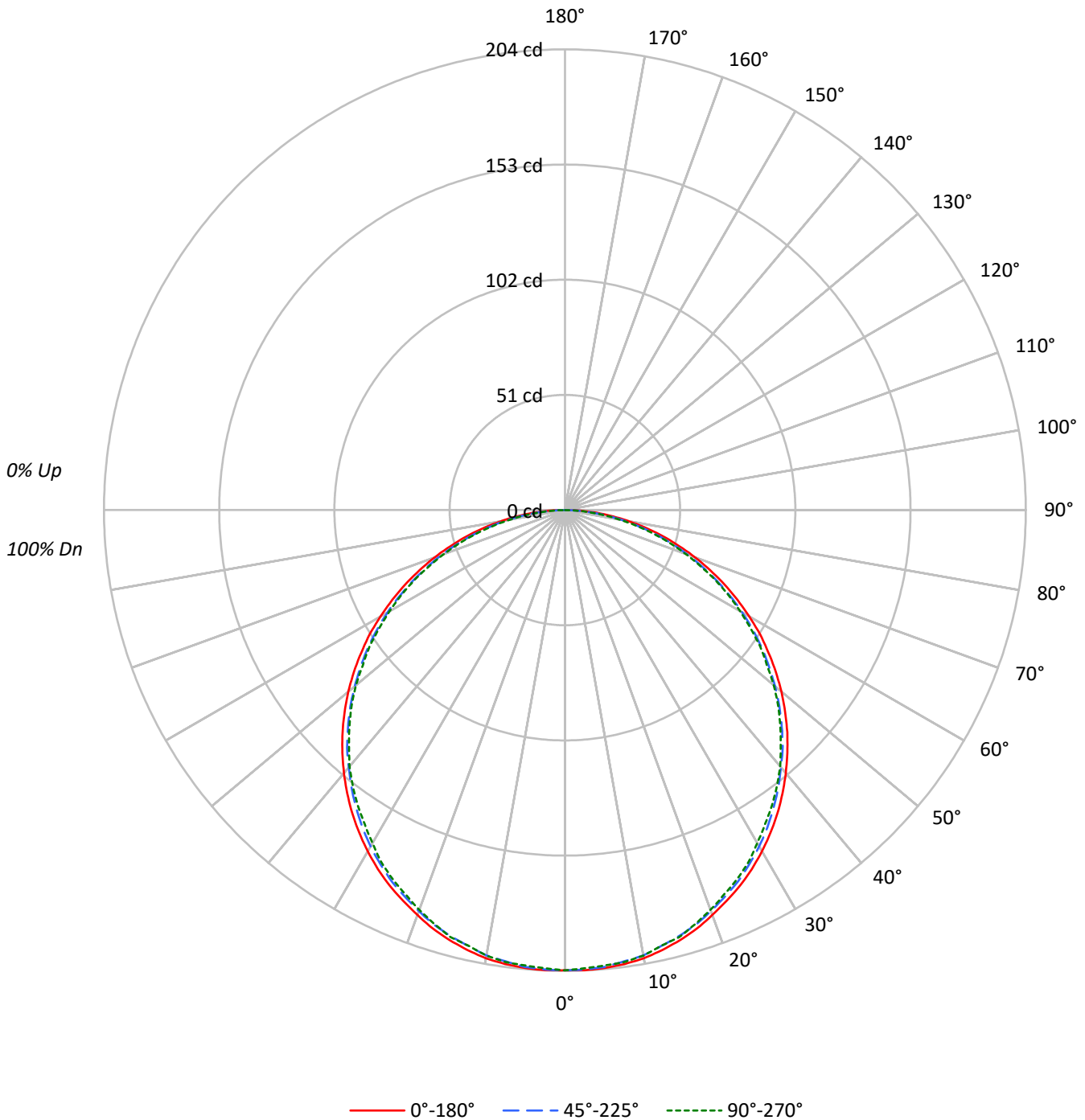
Lumens per Lamp: N/A  
Luminaire Lumens: 591.7 lumens  
Efficiency: N/A  
Efficacy: 56.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.5  
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	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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

	0°	45°	90°
0°	8775	8775	8775
5°	8795	8774	8748
10°	8810	8753	8757
15°	8786	8705	8723
20°	8742	8660	8632
25°	8717	8618	8565
30°	8676	8551	8467
35°	8620	8462	8394
40°	8549	8363	8330
45°	8476	8269	8208
50°	8380	8132	8085
55°	8257	7987	7927
60°	8112	7810	7716
65°	7947	7570	7498
70°	7729	7301	7163
75°	7503	6937	6771
80°	7215	6471	6223
85°	7114	5780	5335



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	3.3
10°-20°	55.2	9.3
20°-30°	83.6	14.1
30°-40°	100.9	17.1
40°-50°	105.1	17.8
50°-60°	95.5	16.1
60°-70°	74.0	12.5
70°-80°	44.6	7.5
80°-90°	13.5	2.3
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°	158.2	26.7
0°-40°	259.1	43.8
0°-60°	459.6	77.7
0°-90°	591.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	204	204	204	204	204	
5°	204	204	203	203	202	19
15°	197	196	195	195	196	56
25°	184	182	181	181	180	85
35°	164	162	161	160	160	103
45°	139	138	136	135	135	107
55°	110	108	106	105	106	98
65°	78	76	74	73	74	77
75°	45	43	42	41	41	48
85°	14	13	12	11	11	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	203.8	203.8	203.8	203.8	203.8
2.5°	203.9	203.8	203.6	203.8	203.0
5°	203.5	203.6	203.0	202.9	202.4
7.5°	202.7	202.5	201.5	201.6	201.8
10°	201.5	200.9	200.2	199.7	200.3
12.5°	199.5	198.7	197.6	197.5	197.5
15°	197.1	196.2	195.3	195.1	195.7
17.5°	194.3	192.9	192.5	192.4	192.1
20°	190.8	189.9	189.0	188.6	188.4
22.5°	187.2	186.3	185.2	185.0	184.2
25°	183.5	182.4	181.4	180.6	180.3
27.5°	179.2	177.8	176.8	176.0	175.9
30°	174.5	173.0	172.0	171.0	170.3
32.5°	169.4	168.1	166.7	165.7	164.9
35°	164.0	162.5	161.0	160.0	159.7
37.5°	158.2	156.4	155.1	154.0	154.2
40°	152.1	150.3	148.8	147.8	148.2
42.5°	145.8	144.1	142.7	141.5	141.4
45°	139.2	137.6	135.8	134.7	134.8
47.5°	132.2	130.4	128.8	127.7	128.0
50°	125.1	123.4	121.4	120.2	120.7
52.5°	117.7	115.8	114.0	112.9	112.7
55°	110.0	108.4	106.4	105.1	105.6
57.5°	102.4	100.5	98.6	97.2	97.4
60°	94.2	92.3	90.7	89.2	89.6
62.5°	86.1	84.3	82.5	81.2	81.7
65°	78.0	76.3	74.3	73.0	73.6
67.5°	69.6	68.0	66.2	64.9	65.1
70°	61.4	59.6	58.0	56.7	56.9
72.5°	53.1	51.6	49.8	48.6	49.0
75°	45.1	43.4	41.7	40.6	40.7
77.5°	37.0	35.6	33.8	32.6	32.7
80°	29.1	27.7	26.1	25.0	25.1
82.5°	21.5	20.3	18.8	17.7	17.8
85°	14.4	13.0	11.7	10.6	10.8
87.5°	7.4	6.3	5.0	4.1	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)