

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: P579375

Luminaire Tested: **SMD6S69SWH-EM - 5000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579375  
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 - 5000K  
Description: SMD SELECTABLE CCT 5000K  
Light Source: SELECTABLE CCT LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

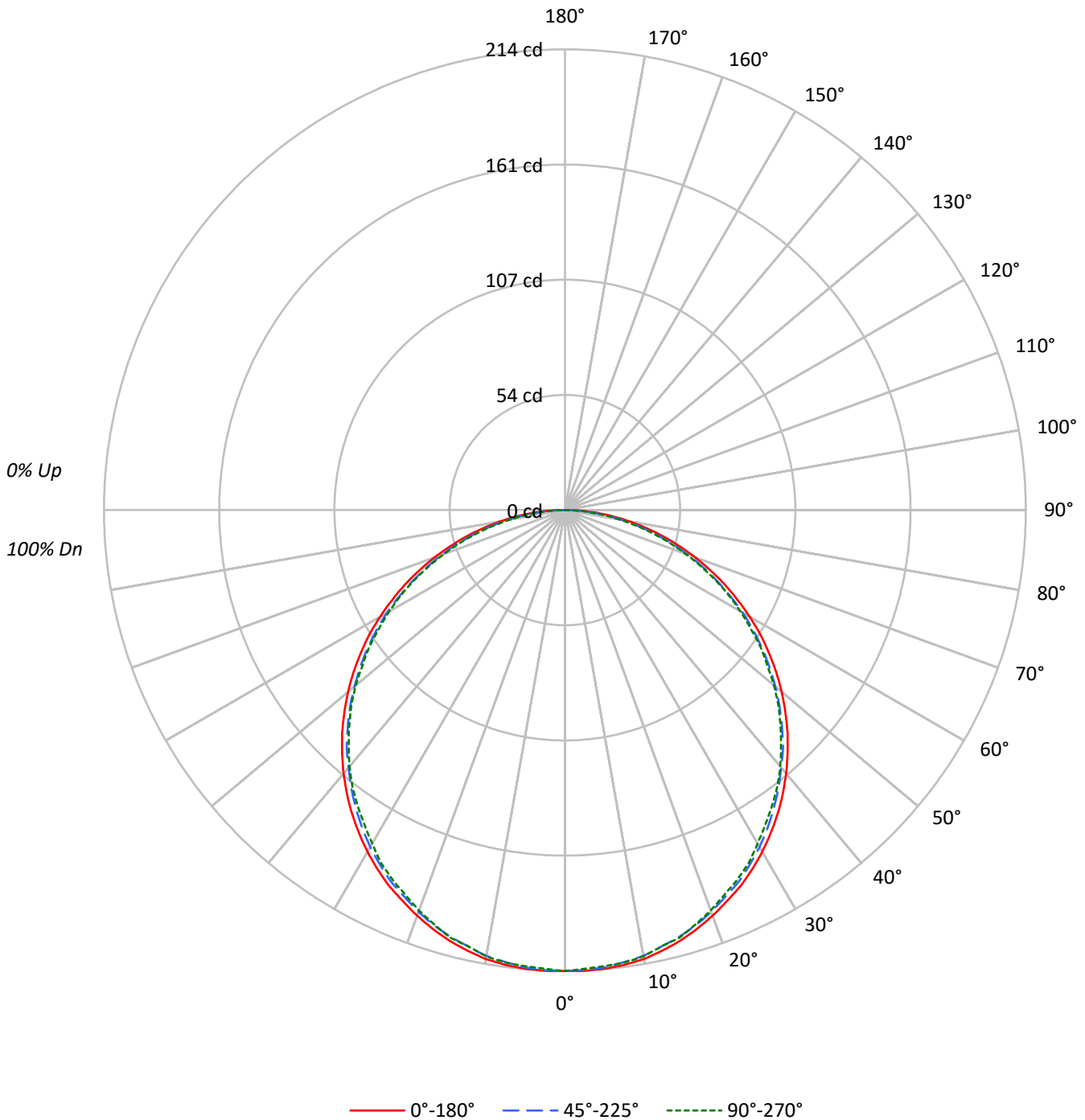
Lumens per Lamp: N/A  
Luminaire Lumens: 621.6 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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°	9218	9218	9218
5°	9240	9215	9189
10°	9255	9194	9199
15°	9231	9147	9165
20°	9187	9100	9068
25°	9159	9055	8998
30°	9113	8984	8894
35°	9056	8888	8815
40°	8982	8785	8746
45°	8902	8683	8622
50°	8802	8540	8493
55°	8678	8392	8325
60°	8525	8206	8112
65°	8344	7957	7875
70°	8120	7666	7528
75°	7869	7286	7103
80°	7587	6794	6546
85°	7460	6076	5582



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	3.3
10°-20°	58.0	9.3
20°-30°	87.9	14.1
30°-40°	106.0	17.1
40°-50°	110.4	17.8
50°-60°	100.3	16.1
60°-70°	77.8	12.5
70°-80°	46.8	7.5
80°-90°	14.2	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°	166.2	26.7
0°-40°	272.2	43.8
0°-60°	482.8	77.7
0°-90°	621.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	214	214	213	213	213	20
15°	207	206	205	205	206	58
25°	193	192	191	190	189	89
35°	172	171	169	168	168	108
45°	146	144	143	142	142	113
55°	116	114	112	110	111	103
65°	82	80	78	77	77	81
75°	47	46	44	43	43	50
85°	15	14	12	11	11	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	214.1	214.1	214.1	214.1	214.1
2.5°	214.2	214.1	213.9	214.1	213.2
5°	213.8	213.9	213.2	213.2	212.6
7.5°	213.0	212.7	211.7	211.8	212.0
10°	211.7	211.0	210.3	209.8	210.4
12.5°	209.5	208.8	207.6	207.5	207.5
15°	207.1	206.1	205.2	204.9	205.6
17.5°	204.0	202.7	202.2	202.1	201.8
20°	200.5	199.5	198.6	198.1	197.9
22.5°	196.6	195.7	194.5	194.3	193.4
25°	192.8	191.6	190.6	189.7	189.4
27.5°	188.2	186.8	185.8	184.9	184.8
30°	183.3	181.8	180.7	179.7	178.9
32.5°	177.9	176.6	175.1	174.0	173.2
35°	172.3	170.7	169.1	168.0	167.7
37.5°	166.2	164.3	162.9	161.8	162.0
40°	159.8	157.9	156.3	155.3	155.6
42.5°	153.1	151.3	149.9	148.7	148.5
45°	146.2	144.5	142.6	141.5	141.6
47.5°	138.9	137.0	135.3	134.1	134.4
50°	131.4	129.6	127.5	126.3	126.8
52.5°	123.7	121.6	119.7	118.6	118.4
55°	115.6	113.9	111.8	110.4	110.9
57.5°	107.6	105.6	103.6	102.1	102.3
60°	99.0	97.0	95.3	93.7	94.2
62.5°	90.4	88.6	86.6	85.3	85.8
65°	81.9	80.1	78.1	76.7	77.3
67.5°	73.1	71.4	69.5	68.2	68.4
70°	64.5	62.6	60.9	59.6	59.8
72.5°	55.8	54.2	52.3	51.1	51.4
75°	47.3	45.6	43.8	42.7	42.7
77.5°	38.9	37.4	35.5	34.3	34.4
80°	30.6	29.1	27.4	26.2	26.4
82.5°	22.6	21.4	19.8	18.6	18.7
85°	15.1	13.6	12.3	11.1	11.3
87.5°	7.7	6.6	5.3	4.3	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)