

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: P579373

Luminaire Tested: **SMD6S69SWH-EM - 3500K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579373  
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 - 3500K  
Description: SMD SELECTABLE CCT 3500K  
Light Source: SELECTABLE CCT LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

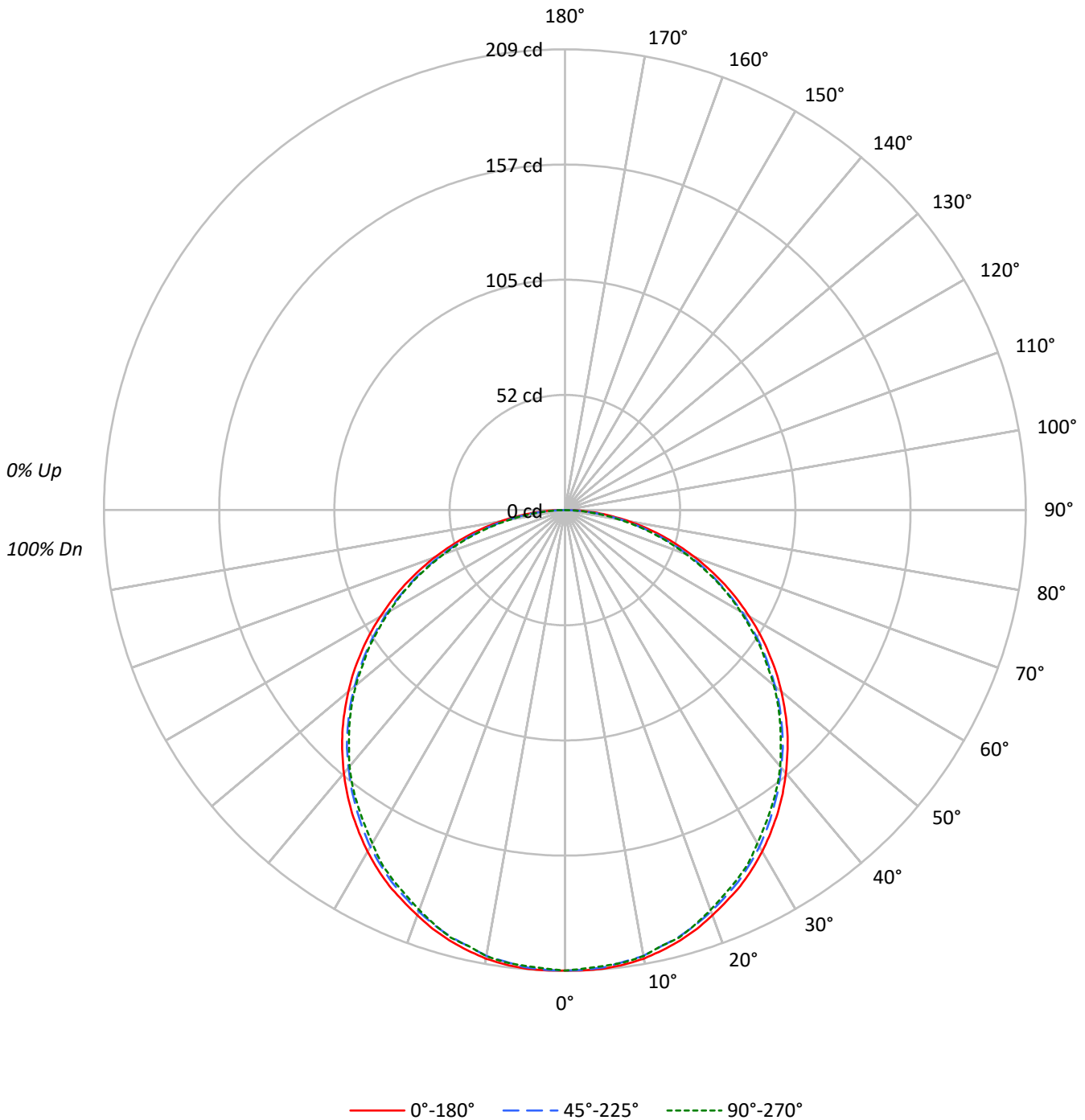
Lumens per Lamp: N/A  
Luminaire Lumens: 606.7 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.4  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69				69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42				42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37				37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	46	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29				29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26				26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24				24

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

	0°	45°	90°
0°	8994	8994	8994
5°	9020	8994	8968
10°	9033	8976	8980
15°	9009	8928	8946
20°	8962	8880	8848
25°	8941	8836	8784
30°	8894	8770	8680
35°	8836	8673	8604
40°	8762	8577	8538
45°	8689	8476	8415
50°	8587	8339	8286
55°	8467	8190	8122
60°	8318	8008	7914
65°	8150	7763	7692
70°	7931	7478	7339
75°	7686	7103	6937
80°	7389	6645	6372
85°	7262	5928	5483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.8	3.3
10°-20°	56.6	9.3
20°-30°	85.8	14.1
30°-40°	103.5	17.1
40°-50°	107.7	17.8
50°-60°	97.9	16.1
60°-70°	75.9	12.5
70°-80°	45.7	7.5
80°-90°	13.8	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°	162.2	26.7
0°-40°	265.6	43.8
0°-60°	471.2	77.7
0°-90°	606.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	209	209	209	209	209	
5°	209	209	208	208	208	20
15°	202	201	200	200	201	57
25°	188	187	186	185	185	87
35°	168	167	165	164	164	105
45°	143	141	139	138	138	110
55°	113	111	109	108	108	101
65°	80	78	76	75	76	79
75°	46	44	43	42	42	49
85°	15	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°	208.9	208.9	208.9	208.9	208.9
2.5°	209.0	208.9	208.7	209.0	208.1
5°	208.7	208.7	208.1	208.1	207.5
7.5°	207.9	207.6	206.6	206.7	206.9
10°	206.6	206.0	205.3	204.7	205.4
12.5°	204.5	203.7	202.6	202.5	202.5
15°	202.1	201.2	200.3	200.0	200.7
17.5°	199.2	197.8	197.3	197.2	197.0
20°	195.6	194.7	193.8	193.4	193.1
22.5°	191.9	191.0	189.9	189.7	188.8
25°	188.2	187.0	186.0	185.1	184.9
27.5°	183.7	182.3	181.3	180.5	180.4
30°	178.9	177.4	176.4	175.4	174.6
32.5°	173.6	172.3	170.9	169.9	169.1
35°	168.1	166.6	165.0	164.0	163.7
37.5°	162.2	160.3	159.0	157.9	158.1
40°	155.9	154.1	152.6	151.6	151.9
42.5°	149.4	147.7	146.3	145.1	144.9
45°	142.7	141.0	139.2	138.1	138.2
47.5°	135.5	133.7	132.1	130.9	131.2
50°	128.2	126.5	124.5	123.3	123.7
52.5°	120.7	118.7	116.8	115.7	115.6
55°	112.8	111.1	109.1	107.8	108.2
57.5°	105.0	103.1	101.1	99.7	99.9
60°	96.6	94.7	93.0	91.5	91.9
62.5°	88.3	86.5	84.5	83.2	83.8
65°	80.0	78.2	76.2	74.9	75.5
67.5°	71.3	69.7	67.9	66.5	66.8
70°	63.0	61.1	59.4	58.1	58.3
72.5°	54.4	52.9	51.1	49.8	50.2
75°	46.2	44.5	42.7	41.7	41.7
77.5°	37.9	36.5	34.6	33.4	33.6
80°	29.8	28.4	26.8	25.6	25.7
82.5°	22.0	20.8	19.3	18.1	18.2
85°	14.7	13.3	12.0	10.9	11.1
87.5°	7.6	6.5	5.1	4.2	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)