

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: P579372

Luminaire Tested: **SMD6S69SWH-EM - 3000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579372
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 - 3000K
Description: SMD SELECTABLE CCT 3000K
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

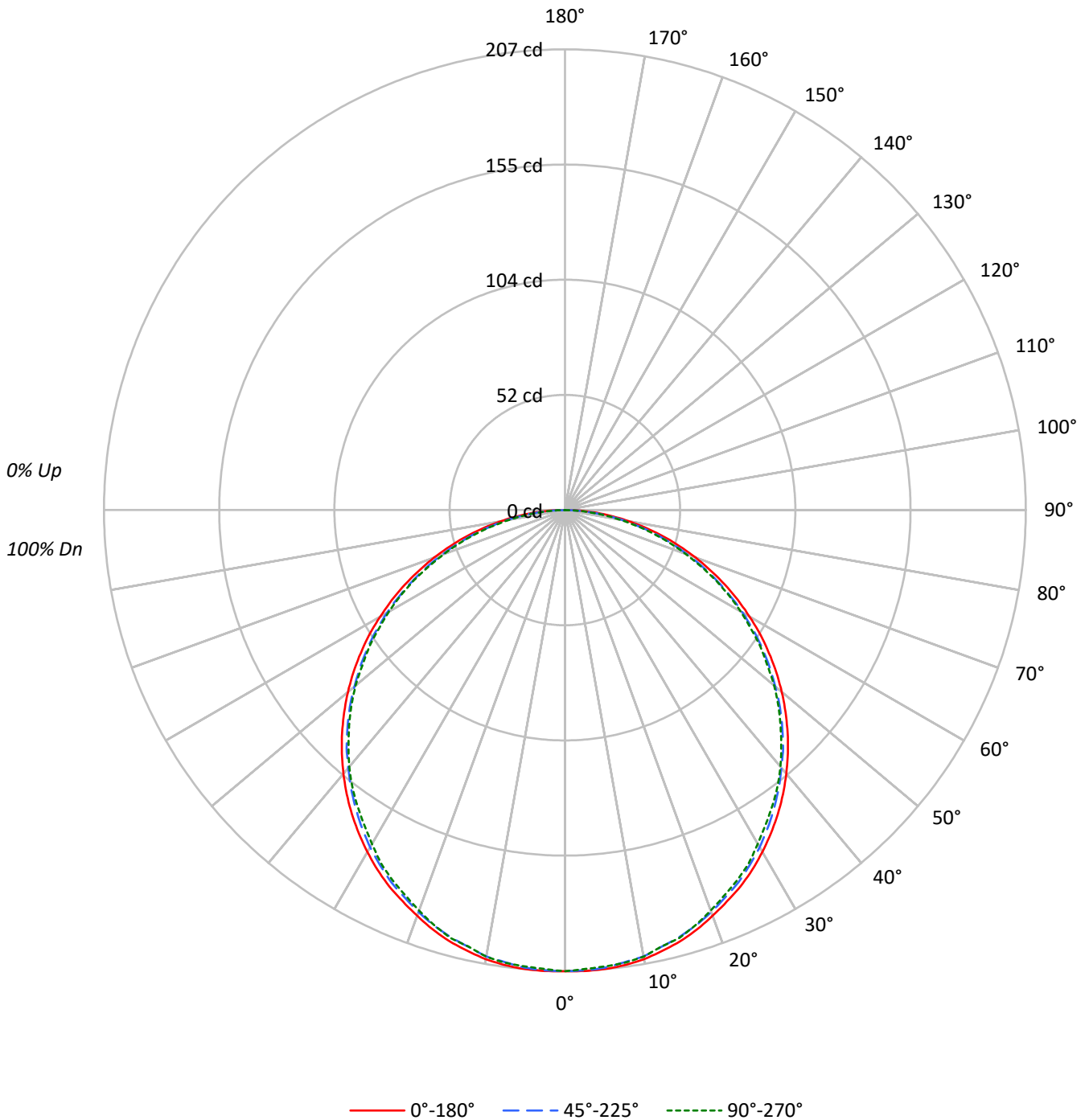
Lumens per Lamp: N/A
Luminaire Lumens: 601.7 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): 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°	8921	8921	8921
5°	8947	8921	8895
10°	8958	8901	8906
15°	8937	8852	8870
20°	8889	8806	8774
25°	8865	8765	8713
30°	8820	8695	8611
35°	8767	8604	8536
40°	8695	8504	8470
45°	8616	8409	8342
50°	8520	8266	8219
55°	8400	8122	8055
60°	8249	7939	7853
65°	8079	7702	7631
70°	7868	7415	7276
75°	7619	7053	6870
80°	7339	6595	6323
85°	7213	5879	5434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	3.3
10°-20°	56.1	9.3
20°-30°	85.1	14.1
30°-40°	102.6	17.1
40°-50°	106.8	17.8
50°-60°	97.1	16.1
60°-70°	75.3	12.5
70°-80°	45.3	7.5
80°-90°	13.7	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°	160.8	26.7
0°-40°	263.4	43.8
0°-60°	467.4	77.7
0°-90°	601.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	207	207	207	207	207	
5°	207	207	206	206	206	20
15°	200	200	199	198	199	57
25°	187	185	184	184	183	86
35°	167	165	164	163	162	104
45°	142	140	138	137	137	109
55°	112	110	108	107	107	100
65°	79	78	76	74	75	78
75°	46	44	42	41	41	48
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°	207.2	207.2	207.2	207.2	207.2
2.5°	207.3	207.2	207.0	207.3	206.4
5°	207.0	207.0	206.4	206.4	205.8
7.5°	206.2	205.9	204.9	205.0	205.2
10°	204.9	204.3	203.6	203.0	203.7
12.5°	202.8	202.1	200.9	200.8	200.8
15°	200.5	199.5	198.6	198.3	199.0
17.5°	197.5	196.2	195.7	195.6	195.4
20°	194.0	193.1	192.2	191.8	191.5
22.5°	190.3	189.4	188.3	188.1	187.3
25°	186.6	185.4	184.5	183.6	183.4
27.5°	182.2	180.8	179.8	179.0	178.9
30°	177.4	175.9	174.9	173.9	173.2
32.5°	172.2	170.9	169.5	168.5	167.7
35°	166.8	165.2	163.7	162.7	162.4
37.5°	160.9	159.0	157.7	156.6	156.8
40°	154.7	152.8	151.3	150.3	150.7
42.5°	148.2	146.5	145.1	143.9	143.8
45°	141.5	139.9	138.1	137.0	137.0
47.5°	134.4	132.6	131.0	129.8	130.1
50°	127.2	125.5	123.4	122.3	122.7
52.5°	119.7	117.7	115.9	114.8	114.6
55°	111.9	110.2	108.2	106.9	107.3
57.5°	104.1	102.2	100.3	98.8	99.0
60°	95.8	93.9	92.2	90.7	91.2
62.5°	87.6	85.8	83.9	82.6	83.1
65°	79.3	77.6	75.6	74.2	74.9
67.5°	70.7	69.1	67.3	66.0	66.2
70°	62.5	60.6	58.9	57.6	57.8
72.5°	54.0	52.4	50.6	49.4	49.8
75°	45.8	44.1	42.4	41.3	41.3
77.5°	37.6	36.2	34.4	33.2	33.3
80°	29.6	28.1	26.6	25.4	25.5
82.5°	21.8	20.7	19.1	18.0	18.1
85°	14.6	13.2	11.9	10.8	11.0
87.5°	7.5	6.4	5.1	4.1	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)