

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: P579374

Luminaire Tested: **SMD6S69SWH-EM - 4000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579374
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 - 4000K
Description: SMD SELECTABLE CCT 4000K
Light Source: SELECTABLE CCT LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

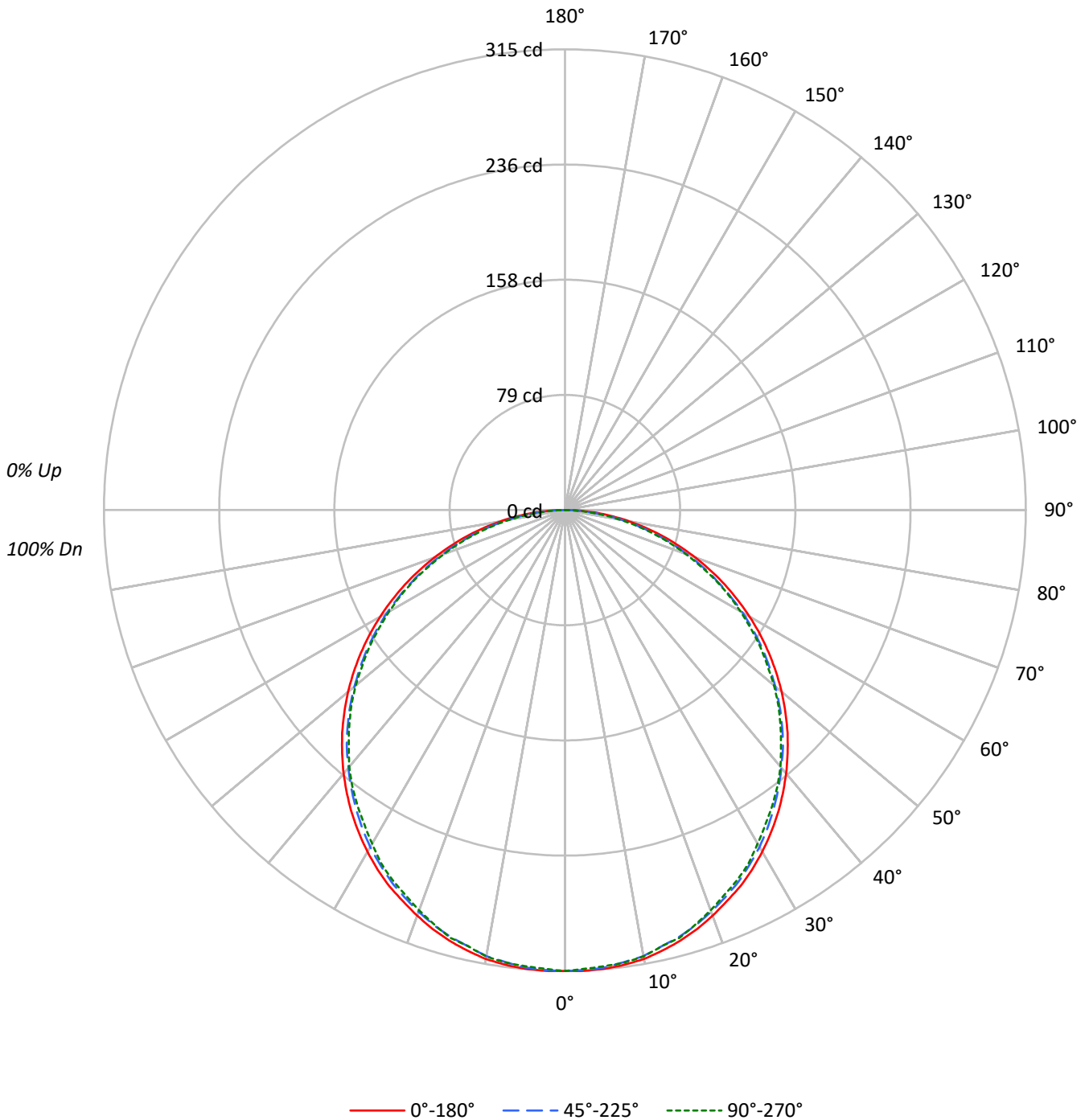
Lumens per Lamp: N/A
Luminaire Lumens: 915.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (A_{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°	13567	13567	13567
5°	13601	13567	13528
10°	13623	13536	13544
15°	13586	13461	13493
20°	13521	13393	13342
25°	13482	13326	13250
30°	13413	13225	13095
35°	13330	13082	12977
40°	13219	12933	12877
45°	13104	12787	12689
50°	12954	12573	12499
55°	12769	12348	12251
60°	12546	12081	11935
65°	12287	11706	11594
70°	11959	11279	11078
75°	11595	10730	10464
80°	11158	10017	9620
85°	10967	8942	8250



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	3.3
10°-20°	85.4	9.3
20°-30°	129.3	14.1
30°-40°	156.0	17.1
40°-50°	162.4	17.8
50°-60°	147.7	16.1
60°-70°	114.5	12.5
70°-80°	68.9	7.5
80°-90°	20.9	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°	244.6	26.7
0°-40°	400.6	43.8
0°-60°	710.7	77.7
0°-90°	915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	315	315	315	315	315	
5°	315	315	314	314	313	30
15°	305	303	302	302	303	86
25°	284	282	280	279	279	131
35°	254	251	249	247	247	159
45°	215	213	210	208	208	166
55°	170	168	164	163	163	152
65°	121	118	115	113	114	119
75°	70	67	64	63	63	74
85°	22	20	18	16	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	315.1	315.1	315.1	315.1	315.1
2.5°	315.3	315.1	314.8	315.2	313.9
5°	314.7	314.8	313.9	313.8	313.0
7.5°	313.5	313.1	311.6	311.8	312.0
10°	311.6	310.6	309.6	308.8	309.8
12.5°	308.4	307.3	305.5	305.4	305.4
15°	304.8	303.4	302.0	301.6	302.7
17.5°	300.4	298.3	297.6	297.4	297.1
20°	295.1	293.7	292.3	291.7	291.2
22.5°	289.4	288.0	286.4	286.0	284.8
25°	283.8	282.0	280.5	279.2	278.9
27.5°	277.1	274.9	273.4	272.2	272.1
30°	269.8	267.6	266.0	264.5	263.4
32.5°	261.9	259.9	257.7	256.2	255.0
35°	253.6	251.3	248.9	247.4	246.9
37.5°	244.6	241.8	239.8	238.2	238.5
40°	235.2	232.4	230.1	228.6	229.1
42.5°	225.4	222.7	220.6	218.8	218.6
45°	215.2	212.7	210.0	208.3	208.4
47.5°	204.4	201.6	199.2	197.4	197.8
50°	193.4	190.8	187.7	185.9	186.6
52.5°	182.0	179.0	176.2	174.6	174.3
55°	170.1	167.6	164.5	162.6	163.2
57.5°	158.3	155.4	152.5	150.3	150.6
60°	145.7	142.8	140.3	138.0	138.6
62.5°	133.1	130.4	127.5	125.6	126.3
65°	120.6	118.0	114.9	112.9	113.8
67.5°	107.6	105.1	102.3	100.3	100.7
70°	95.0	92.2	89.6	87.7	88.0
72.5°	82.1	79.7	77.0	75.1	75.7
75°	69.7	67.1	64.5	62.9	62.9
77.5°	57.2	55.1	52.2	50.4	50.6
80°	45.0	42.8	40.4	38.6	38.8
82.5°	33.2	31.4	29.1	27.4	27.5
85°	22.2	20.1	18.1	16.4	16.7
87.5°	11.4	9.7	7.7	6.3	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)