

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: P579360

Luminaire Tested: **SMD6R69SWH-EM - 5000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2112530E001)
Test Lab:
Issue Date: 11/18/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD6R69SWH-EM - 5000K
Description: SMD SELECTABLE CCT 5000K
Light Source: SELECTABLE CCT LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

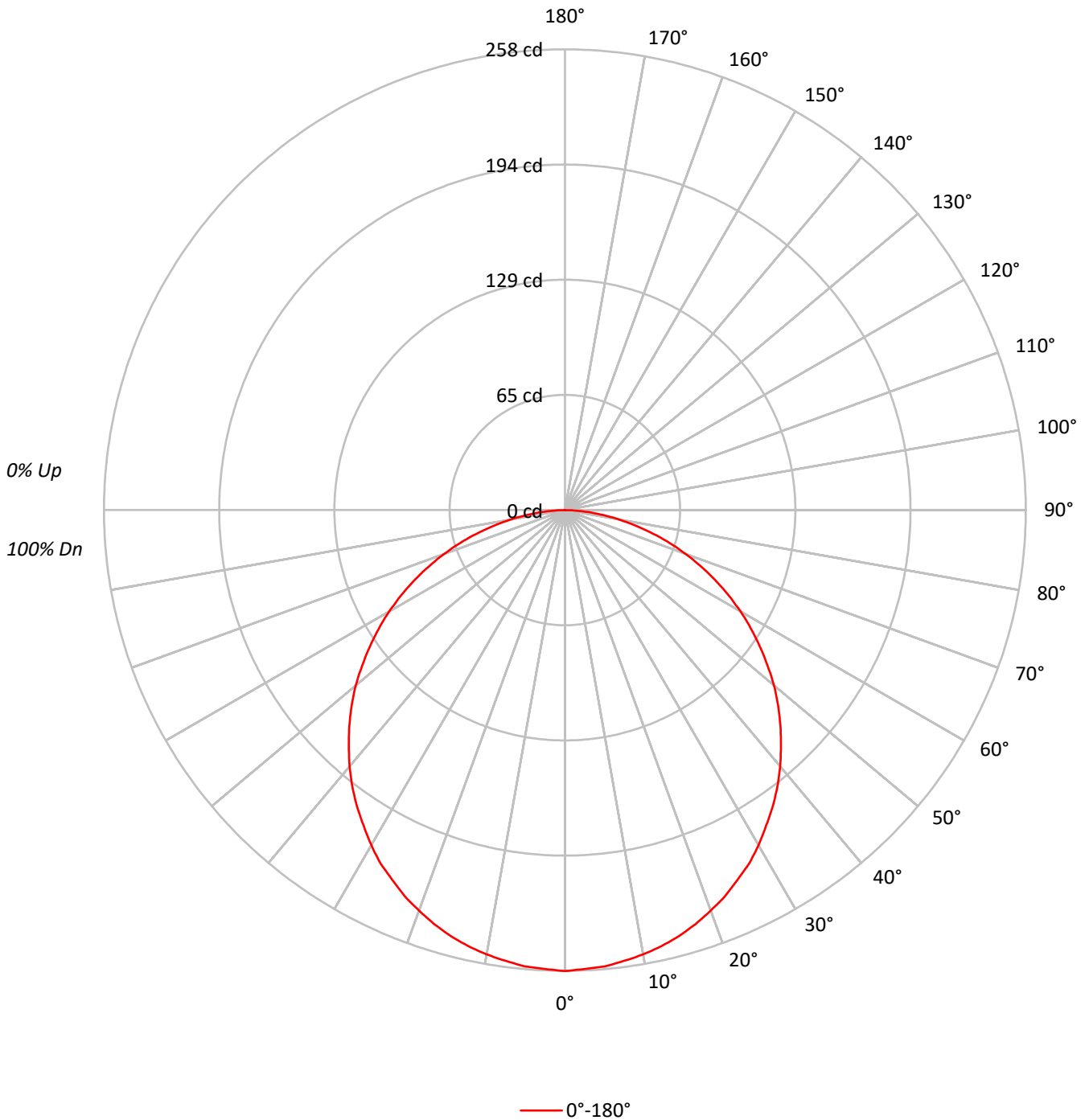
Lumens per Lamp: N/A
Luminaire Lumens: 738.3 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 12.7
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14149
5°	14115
10°	14061
15°	14013
20°	13925
25°	13821
30°	13717
35°	13572
40°	13411
45°	13226
50°	13032
55°	12740
60°	12444
65°	12051
70°	11556
75°	10866
80°	9881
85°	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	3.3
10°-20°	69.7	9.4
20°-30°	105.4	14.3
30°-40°	126.8	17.2
40°-50°	131.6	17.8
50°-60°	119.2	16.1
60°-70°	91.9	12.4
70°-80°	54.2	7.3
80°-90°	15.2	2.1
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°	199.4	27.0
0°-40°	326.3	44.2
0°-60°	577.1	78.2
0°-90°	738.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	258	
5°	256	24
15°	247	70
25°	228	105
35°	203	127
45°	171	132
55°	133	119
65°	93	92
75°	51	54
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	258.1
2.5°	257.2
5°	256.5
7.5°	254.6
10°	252.6
12.5°	250.1
15°	246.9
17.5°	243.1
20°	238.7
22.5°	234.1
25°	228.5
27.5°	223.3
30°	216.7
32.5°	209.6
35°	202.8
37.5°	195.4
40°	187.4
42.5°	179.0
45°	170.6
47.5°	161.9
50°	152.8
52.5°	143.0
55°	133.3
57.5°	123.5
60°	113.5
62.5°	103.2
65°	92.9
67.5°	82.5
70°	72.1
72.5°	61.6
75°	51.3
77.5°	41.0
80°	31.3
82.5°	22.0
85°	13.2
87.5°	4.9
90°	0.0

(END OF REPORT)