

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: P579359

Luminaire Tested: **SMD6R69SWH-EM - 4000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579359
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 - 4000K
Description: SMD SELECTABLE CCT 4000K
Light Source: SELECTABLE CCT LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

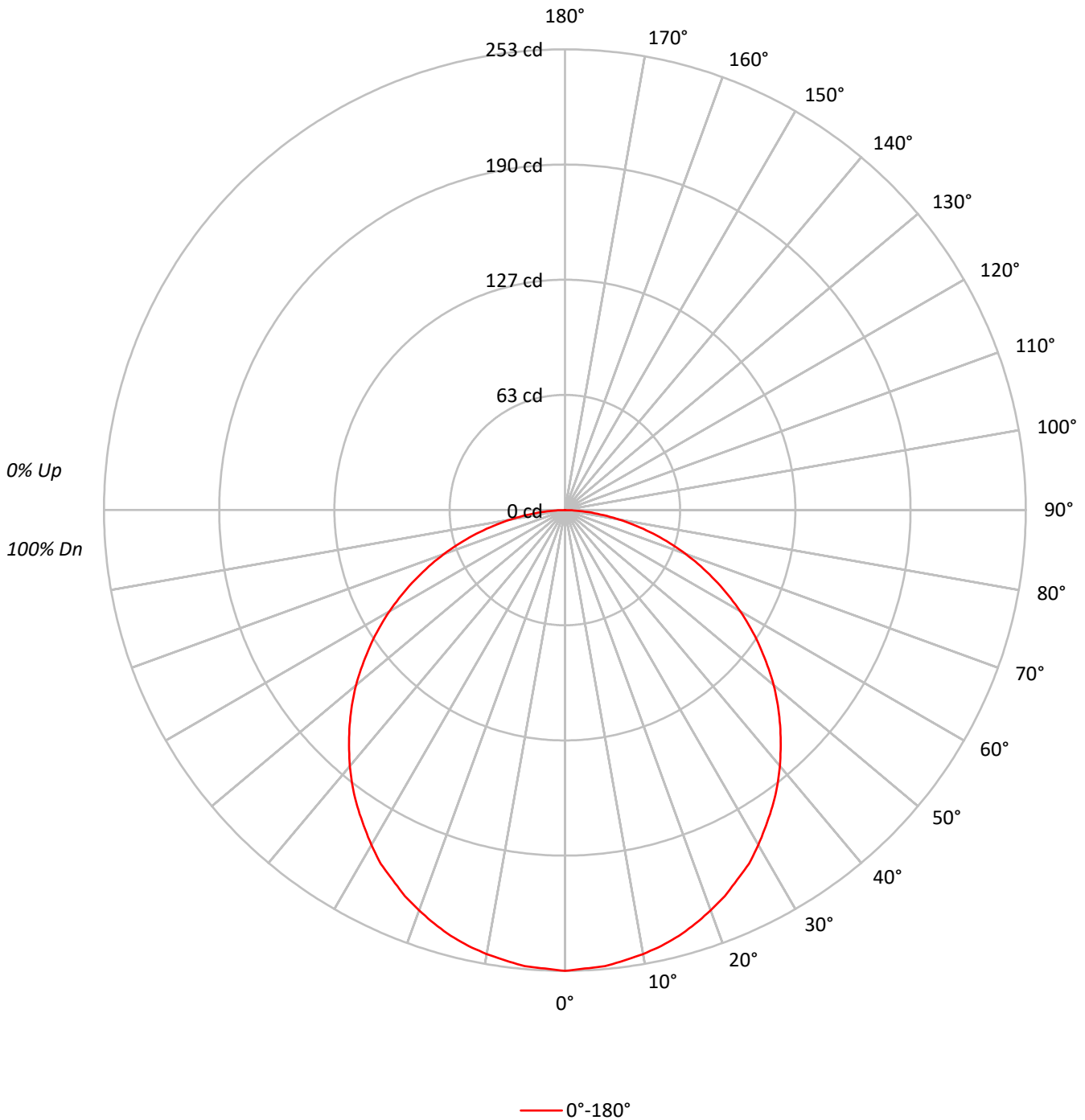
Lumens per Lamp: N/A
Luminaire Lumens: 723.4 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 12.6
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°	13870
5°	13834
10°	13777
15°	13734
20°	13645
25°	13543
30°	13445
35°	13298
40°	13139
45°	12955
50°	12767
55°	12492
60°	12192
65°	11804
70°	11316
75°	10633
80°	9660
85°	8114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	3.3
10°-20°	68.3	9.4
20°-30°	103.3	14.3
30°-40°	124.3	17.2
40°-50°	128.9	17.8
50°-60°	116.8	16.1
60°-70°	90.0	12.4
70°-80°	53.1	7.3
80°-90°	14.8	2.0
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°	195.4	27.0
0°-40°	319.7	44.2
0°-60°	565.4	78.2
0°-90°	723.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	253	
5°	251	24
15°	242	68
25°	224	103
35°	199	124
45°	167	129
55°	131	117
65°	91	90
75°	50	53
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	253.0
2.5°	252.0
5°	251.4
7.5°	249.5
10°	247.5
12.5°	245.1
15°	242.0
17.5°	238.2
20°	233.9
22.5°	229.4
25°	223.9
27.5°	218.9
30°	212.4
32.5°	205.4
35°	198.7
37.5°	191.4
40°	183.6
42.5°	175.4
45°	167.1
47.5°	158.6
50°	149.7
52.5°	140.1
55°	130.7
57.5°	121.0
60°	111.2
62.5°	101.1
65°	91.0
67.5°	80.8
70°	70.6
72.5°	60.4
75°	50.2
77.5°	40.2
80°	30.6
82.5°	21.5
85°	12.9
87.5°	4.8
90°	0.0

(END OF REPORT)