

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: P579355

Luminaire Tested: **SMD6R129SWHE-EM - 5000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579355
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: SMD6R129SWHE-EM - 5000K
Description: SMD SELECTABLE CCT 5000K
Light Source: SELECTABLE CCT LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

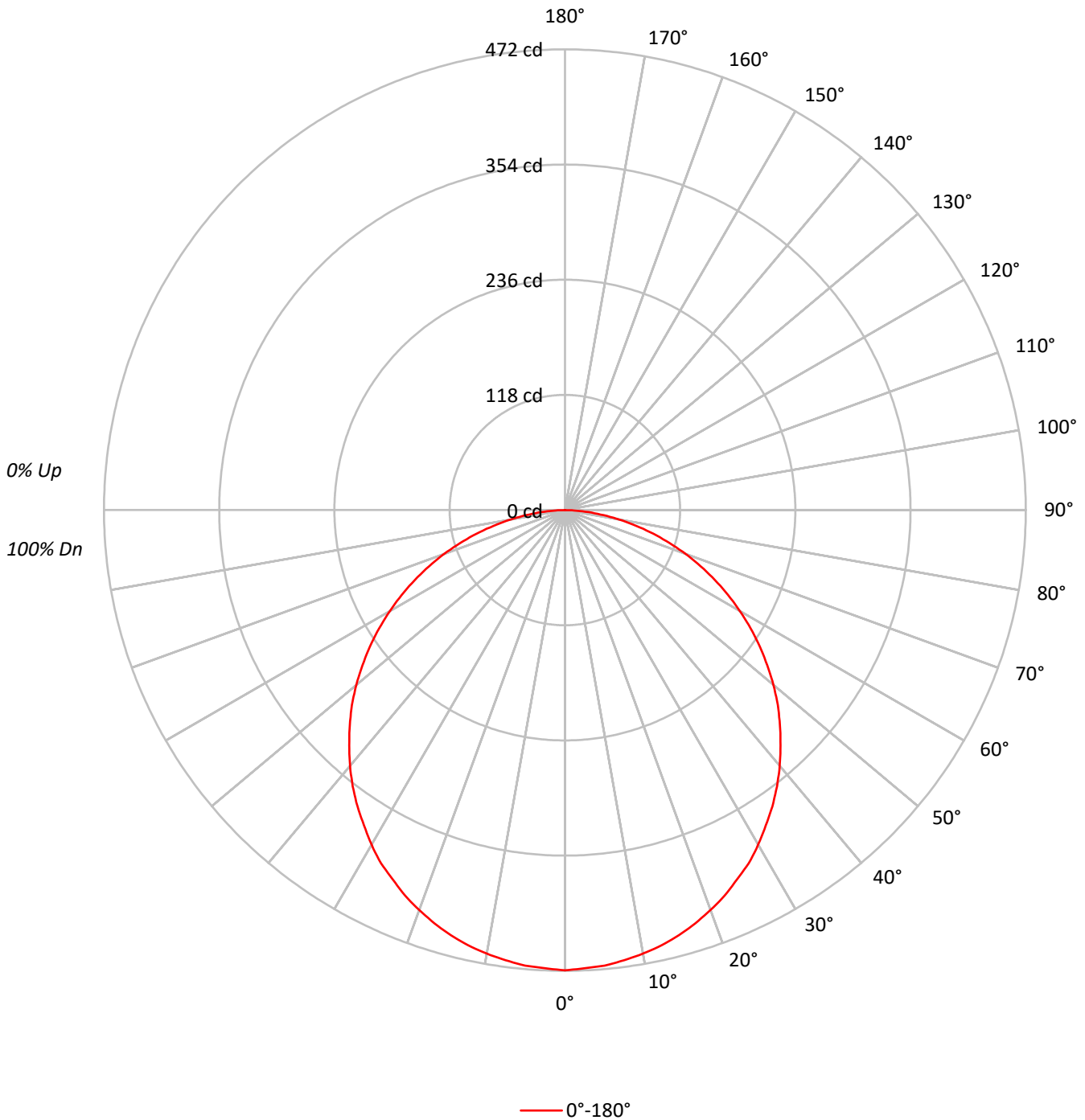
Lumens per Lamp: N/A
Luminaire Lumens: 1348.5 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.1
Input Voltage (V): NR
Input Current (Ain): 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°	25848
5°	25781
10°	25684
15°	25596
20°	25436
25°	25241
30°	25061
35°	24788
40°	24496
45°	24150
50°	23795
55°	23282
60°	22717
65°	22013
70°	21093
75°	19825
80°	18026
85°	15159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	3.3
10°-20°	127.2	9.4
20°-30°	192.6	14.3
30°-40°	231.7	17.2
40°-50°	240.3	17.8
50°-60°	217.7	16.1
60°-70°	167.8	12.4
70°-80°	99.0	7.3
80°-90°	27.7	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°	364.3	27.0
0°-40°	595.9	44.2
0°-60°	1054.0	78.2
0°-90°	1348.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	472	
5°	468	44
15°	451	127
25°	417	193
35°	370	232
45°	312	240
55°	244	218
65°	170	168
75°	94	99
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	471.5
2.5°	469.8
5°	468.5
7.5°	465.1
10°	461.4
12.5°	456.8
15°	451.0
17.5°	444.0
20°	436.0
22.5°	427.6
25°	417.3
27.5°	408.0
30°	395.9
32.5°	382.9
35°	370.4
37.5°	356.8
40°	342.3
42.5°	326.9
45°	311.5
47.5°	295.7
50°	279.0
52.5°	261.2
55°	243.6
57.5°	225.6
60°	207.2
62.5°	188.5
65°	169.7
67.5°	150.6
70°	131.6
72.5°	112.6
75°	93.6
77.5°	75.0
80°	57.1
82.5°	40.1
85°	24.1
87.5°	9.0
90°	0.0

(END OF REPORT)