

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: P579354

Luminaire Tested: **SMD6R129SWHE-EM - 4000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579354
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 - 4000K
Description: SMD SELECTABLE CCT 4000K
Light Source: SELECTABLE CCT LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

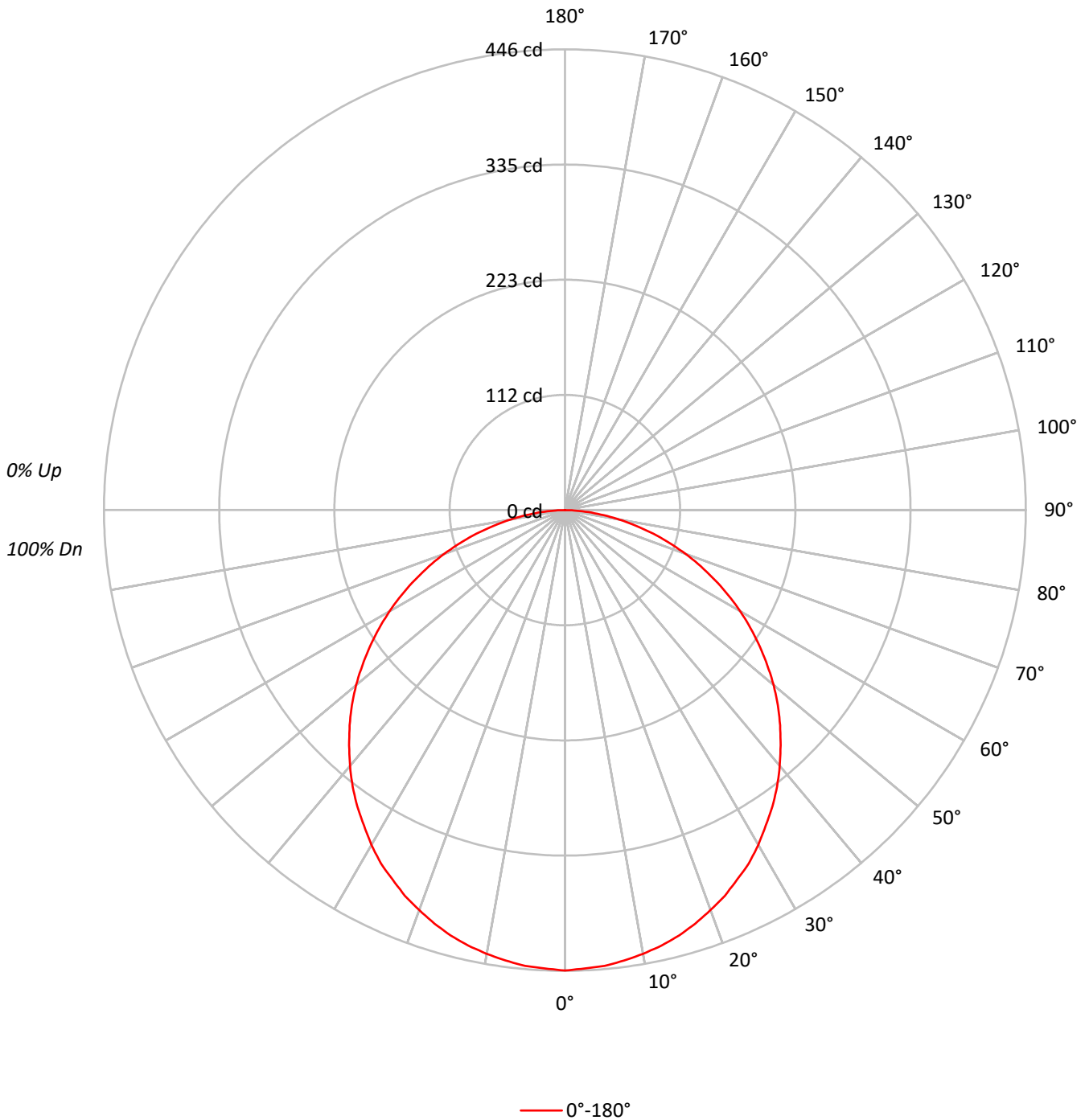
Lumens per Lamp: N/A
Luminaire Lumens: 1274.8 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18
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°	24433
5°	24373
10°	24276
15°	24200
20°	24041
25°	23862
30°	23687
35°	23436
40°	23151
45°	22832
50°	22498
55°	22011
60°	21479
65°	20806
70°	19939
75°	18745
80°	17048
85°	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	3.3
10°-20°	120.3	9.4
20°-30°	182.0	14.3
30°-40°	219.0	17.2
40°-50°	227.2	17.8
50°-60°	205.8	16.1
60°-70°	158.7	12.4
70°-80°	93.6	7.3
80°-90°	26.2	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°	344.3	27.0
0°-40°	563.3	44.2
0°-60°	996.3	78.2
0°-90°	1274.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	446	
5°	443	42
15°	426	120
25°	394	182
35°	350	219
45°	294	227
55°	230	206
65°	160	159
75°	88	94
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	445.7
2.5°	444.1
5°	442.9
7.5°	439.7
10°	436.1
12.5°	431.8
15°	426.4
17.5°	419.7
20°	412.1
22.5°	404.2
25°	394.5
27.5°	385.6
30°	374.2
32.5°	361.9
35°	350.2
37.5°	337.3
40°	323.5
42.5°	309.0
45°	294.5
47.5°	279.5
50°	263.8
52.5°	246.9
55°	230.3
57.5°	213.2
60°	195.9
62.5°	178.2
65°	160.4
67.5°	142.4
70°	124.4
72.5°	106.4
75°	88.5
77.5°	70.9
80°	54.0
82.5°	37.9
85°	22.8
87.5°	8.5
90°	0.0

(END OF REPORT)