

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: P579347

Luminaire Tested: **SMD6R129SWH-EM - 3000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579347  
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: SMD6R129SWH-EM - 3000K  
Description: SMD SELECTABLE CCT 3000K  
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

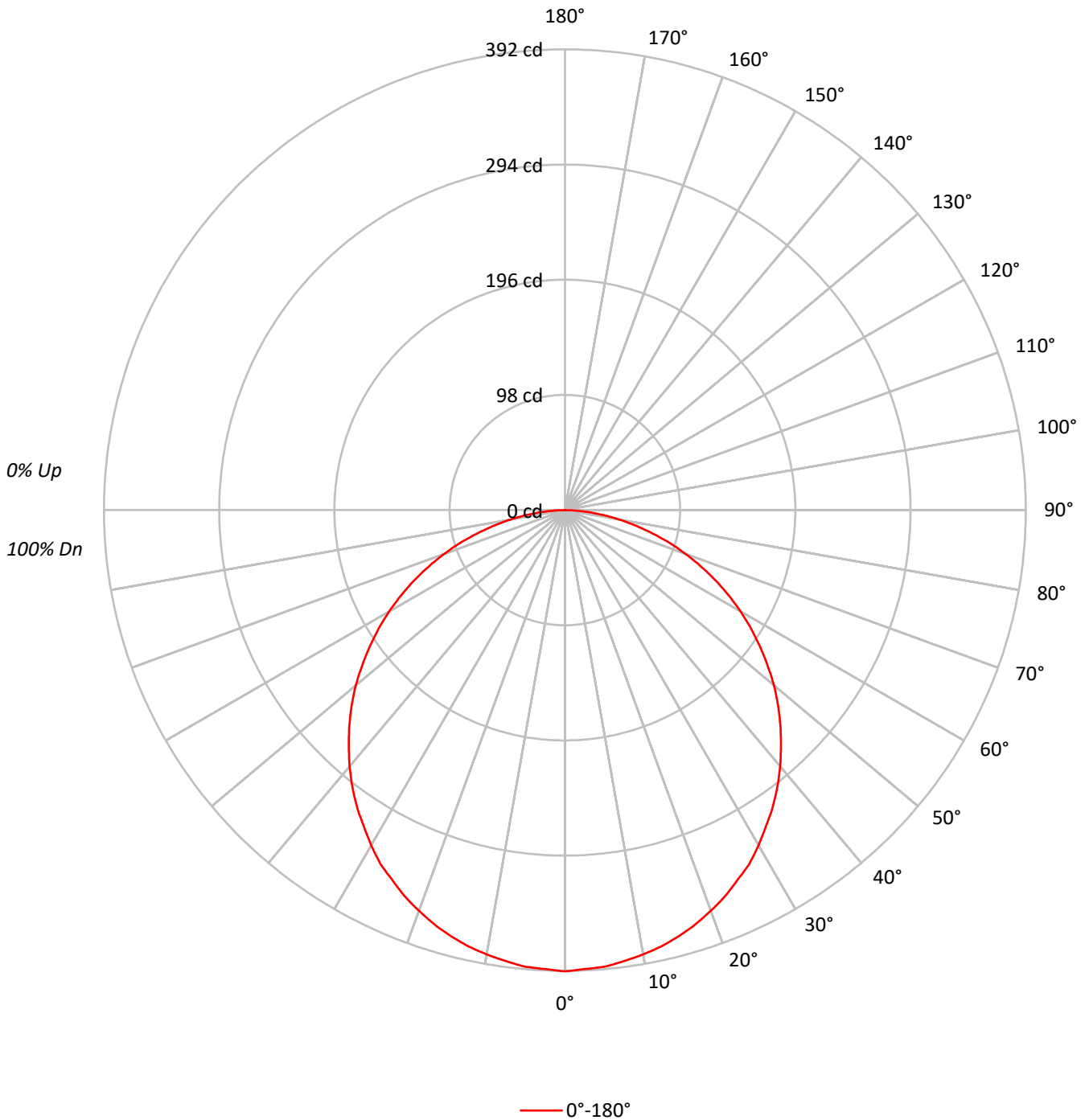
Lumens per Lamp: N/A  
Luminaire Lumens: 1122.1 lumens  
Efficiency: N/A  
Efficacy: 62.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	21511
5°	21456
10°	21370
15°	21300
20°	21165
25°	21007
30°	20851
35°	20632
40°	20381
45°	20095
50°	19803
55°	19373
60°	18913
65°	18316
70°	17551
75°	16500
80°	14996
85°	12580



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.0	3.3
10°-20°	105.9	9.4
20°-30°	160.2	14.3
30°-40°	192.8	17.2
40°-50°	200.0	17.8
50°-60°	181.2	16.1
60°-70°	139.6	12.4
70°-80°	82.4	7.3
80°-90°	23.0	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°	303.1	27.0
0°-40°	495.9	44.2
0°-60°	877.0	78.2
0°-90°	1122.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1122.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	392	
5°	390	37
15°	375	106
25°	347	160
35°	308	193
45°	259	200
55°	203	181
65°	141	140
75°	78	82
85°	20	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	392.4
2.5°	390.9
5°	389.9
7.5°	387.0
10°	383.9
12.5°	380.1
15°	375.3
17.5°	369.5
20°	362.8
22.5°	355.8
25°	347.3
27.5°	339.5
30°	329.4
32.5°	318.6
35°	308.3
37.5°	296.9
40°	284.8
42.5°	272.0
45°	259.2
47.5°	246.0
50°	232.2
52.5°	217.3
55°	202.7
57.5°	187.7
60°	172.5
62.5°	156.8
65°	141.2
67.5°	125.3
70°	109.5
72.5°	93.7
75°	77.9
77.5°	62.4
80°	47.5
82.5°	33.4
85°	20.0
87.5°	7.5
90°	0.0

(END OF REPORT)