

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: P579349

Luminaire Tested: **SMD6R129SWH-EM - 4000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579349  
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 - 4000K  
Description: SMD SELECTABLE CCT 4000K  
Light Source: SELECTABLE CCT LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

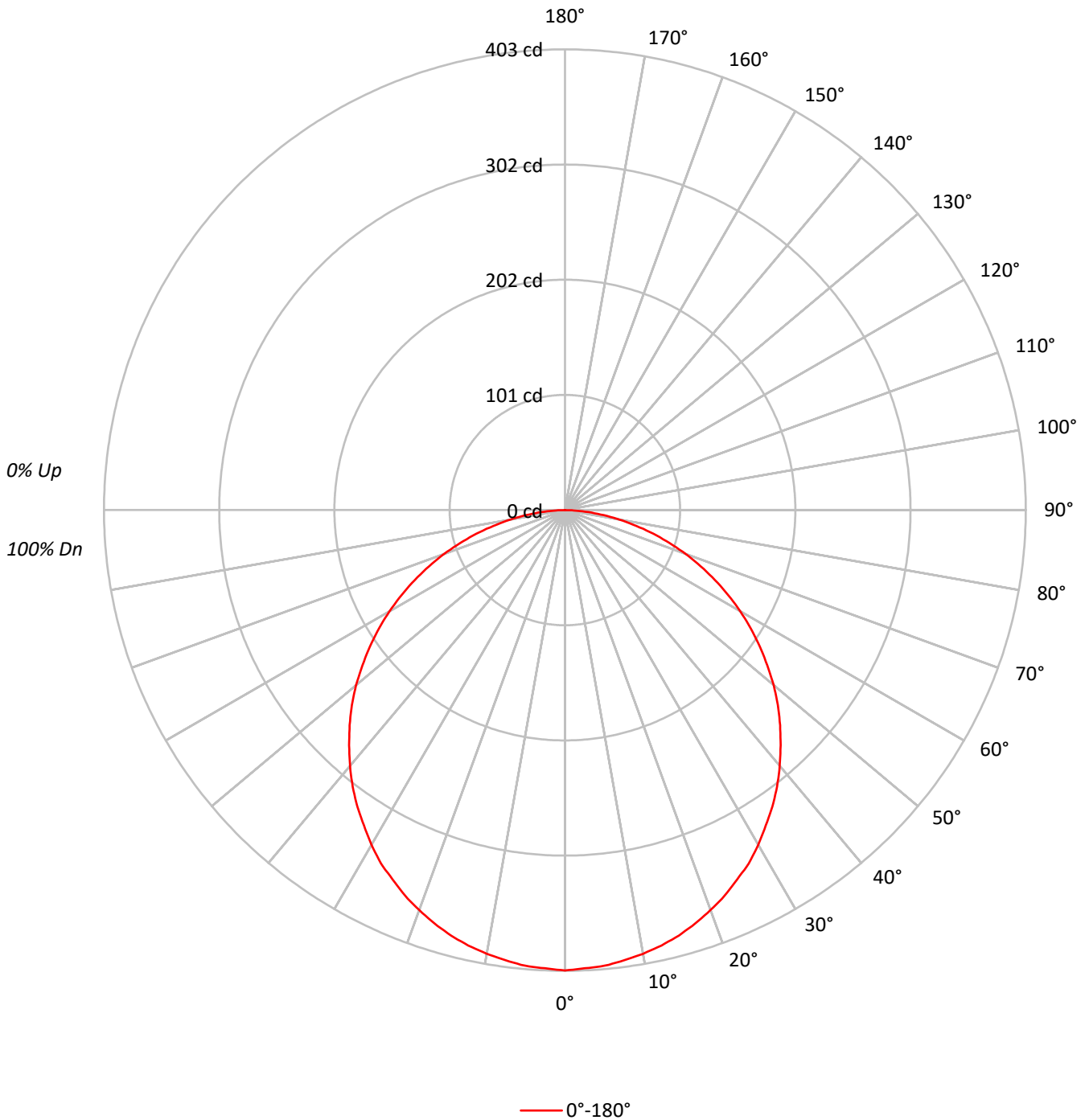
Lumens per Lamp: N/A  
Luminaire Lumens: 1151.7 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 18  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	22076
5°	22017
10°	21932
15°	21862
20°	21719
25°	21558
30°	21402
35°	21174
40°	20918
45°	20630
50°	20323
55°	19880
60°	19406
65°	18796
70°	18016
75°	16945
80°	15406
85°	12957



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.0	3.3
10°-20°	108.7	9.4
20°-30°	164.4	14.3
30°-40°	197.9	17.2
40°-50°	205.3	17.8
50°-60°	185.9	16.1
60°-70°	143.3	12.4
70°-80°	84.6	7.3
80°-90°	23.6	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°	311.1	27.0
0°-40°	508.9	44.2
0°-60°	900.1	78.2
0°-90°	1151.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1151.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	403	
5°	400	38
15°	385	109
25°	356	164
35°	316	198
45°	266	205
55°	208	186
65°	145	143
75°	80	85
85°	21	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	402.7
2.5°	401.2
5°	400.1
7.5°	397.2
10°	394.0
12.5°	390.1
15°	385.2
17.5°	379.2
20°	372.3
22.5°	365.1
25°	356.4
27.5°	348.4
30°	338.1
32.5°	327.0
35°	316.4
37.5°	304.8
40°	292.3
42.5°	279.2
45°	266.1
47.5°	252.5
50°	238.3
52.5°	223.0
55°	208.0
57.5°	192.7
60°	177.0
62.5°	161.0
65°	144.9
67.5°	128.6
70°	112.4
72.5°	96.1
75°	80.0
77.5°	64.0
80°	48.8
82.5°	34.3
85°	20.6
87.5°	7.6
90°	0.0

(END OF REPORT)