

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: P579352

Luminaire Tested: **SMD6R129SWHE-EM - 3000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579352
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 - 3000K
Description: SMD SELECTABLE CCT 3000K
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

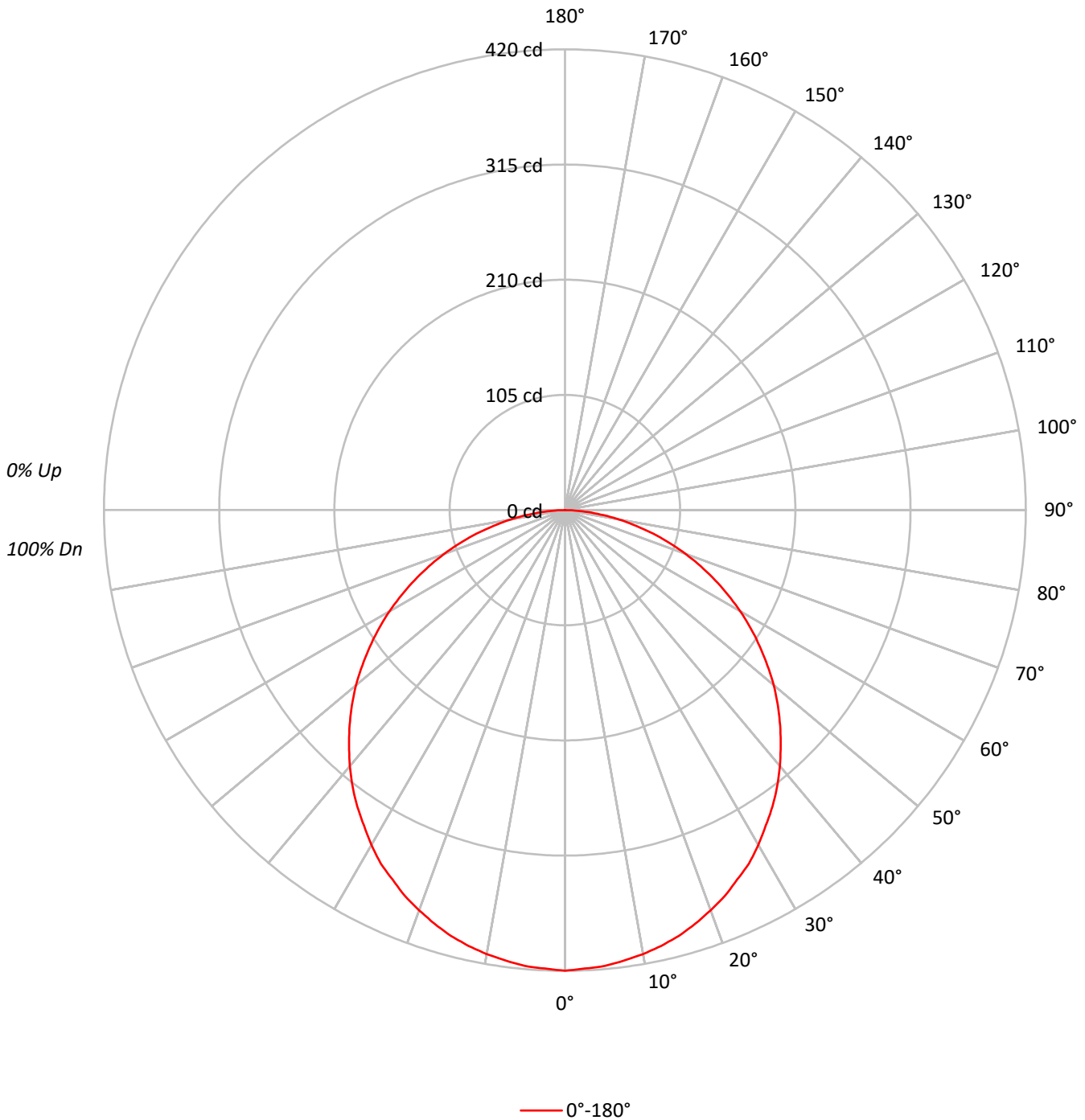
Lumens per Lamp: N/A
Luminaire Lumens: 1200.8 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.1
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°	23019
5°	22958
10°	22873
15°	22798
20°	22647
25°	22477
30°	22314
35°	22078
40°	21812
45°	21506
50°	21193
55°	20730
60°	20240
65°	19600
70°	18785
75°	17665
80°	16069
85°	13460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	3.3
10°-20°	113.3	9.4
20°-30°	171.5	14.3
30°-40°	206.3	17.2
40°-50°	214.0	17.8
50°-60°	193.9	16.1
60°-70°	149.4	12.4
70°-80°	88.2	7.3
80°-90°	24.6	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°	324.4	27.0
0°-40°	530.7	44.2
0°-60°	938.6	78.2
0°-90°	1200.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	417	40
15°	402	113
25°	372	171
35°	330	206
45°	277	214
55°	217	194
65°	151	149
75°	83	88
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	419.9
2.5°	418.3
5°	417.2
7.5°	414.2
10°	410.9
12.5°	406.8
15°	401.7
17.5°	395.4
20°	388.2
22.5°	380.8
25°	371.6
27.5°	363.3
30°	352.5
32.5°	340.9
35°	329.9
37.5°	317.8
40°	304.8
42.5°	291.1
45°	277.4
47.5°	263.3
50°	248.5
52.5°	232.6
55°	216.9
57.5°	200.9
60°	184.6
62.5°	167.8
65°	151.1
67.5°	134.1
70°	117.2
72.5°	100.2
75°	83.4
77.5°	66.7
80°	50.9
82.5°	35.7
85°	21.4
87.5°	8.0
90°	0.0

(END OF REPORT)