

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: P579346

Luminaire Tested: **SMD6R129SWH-EM - 2700K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579346
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 - 2700K
Description: SMD SELECTABLE CCT 2700K
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

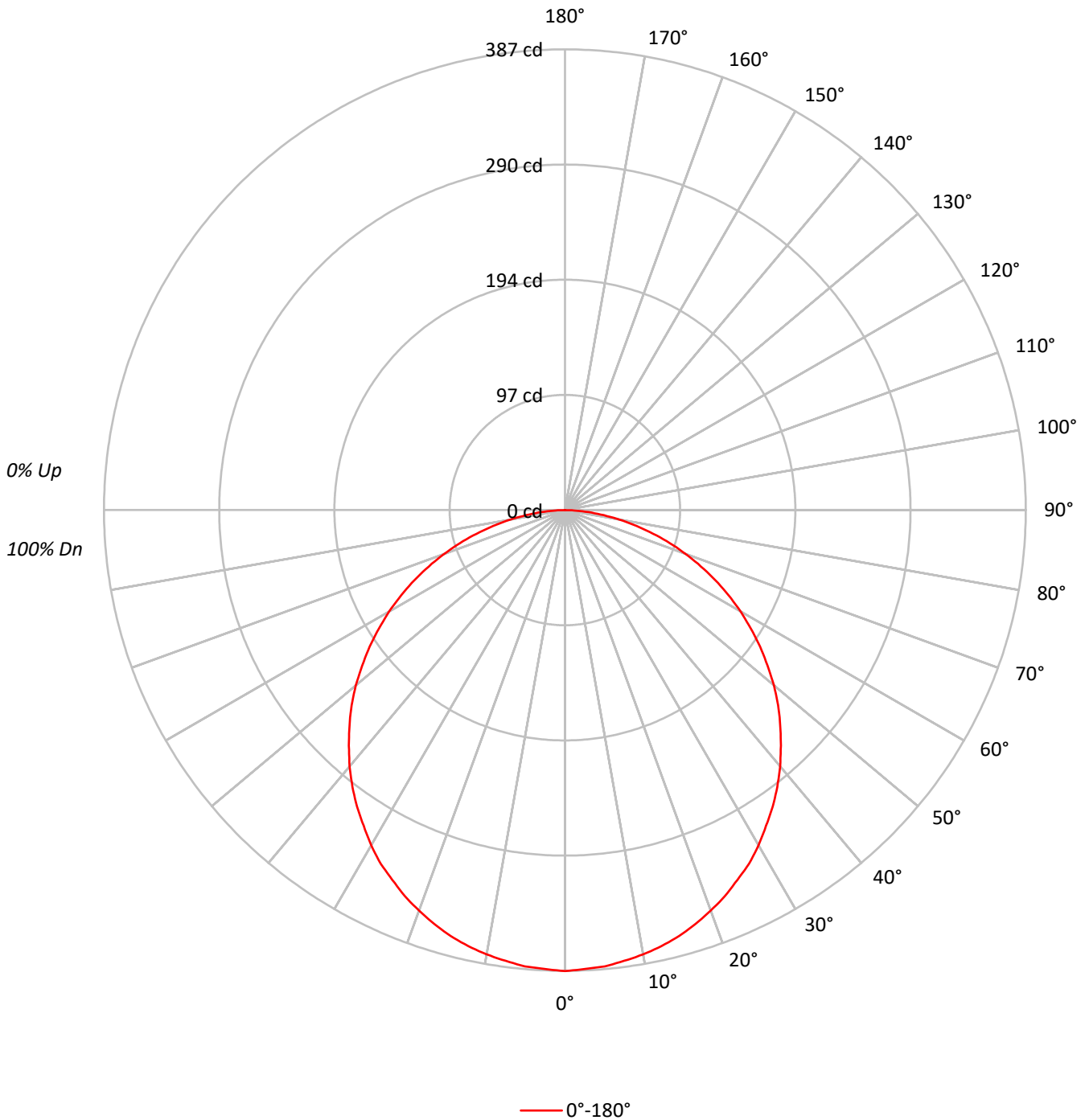
Lumens per Lamp: N/A
Luminaire Lumens: 1107.4 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18
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



TEST NUMBER: P579346
CATALOG NUMBER: SMD6R129SWH-EM - 2700K

Luminous Intensity Polar Plot





TEST NUMBER: P579346
 CATALOG NUMBER: SMD6R129SWH-EM - 2700K

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°	21226
5°	21170
10°	21092
15°	21022
20°	20885
25°	20729
30°	20579
35°	20358
40°	20116
45°	19832
50°	19539
55°	19115
60°	18661
65°	18082
70°	17327
75°	16288
80°	14806
85°	12454



TEST NUMBER: P579346
 CATALOG NUMBER: SMD6R129SWH-EM - 2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	3.3
10°-20°	104.5	9.4
20°-30°	158.1	14.3
30°-40°	190.2	17.2
40°-50°	197.3	17.8
50°-60°	178.8	16.1
60°-70°	137.8	12.4
70°-80°	81.3	7.3
80°-90°	22.8	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°	299.1	27.0
0°-40°	489.4	44.2
0°-60°	865.5	78.2
0°-90°	1107.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	387	
5°	385	37
15°	370	104
25°	343	158
35°	304	190
45°	256	197
55°	200	179
65°	139	138
75°	77	81
85°	20	23
90°	0	



TEST NUMBER: P579346
CATALOG NUMBER: SMD6R129SWH-EM - 2700K

CANDELA DISTRIBUTION (FULL):

	0°
0°	387.2
2.5°	385.8
5°	384.7
7.5°	381.9
10°	378.9
12.5°	375.1
15°	370.4
17.5°	364.6
20°	358.0
22.5°	351.1
25°	342.7
27.5°	335.0
30°	325.1
32.5°	314.4
35°	304.2
37.5°	293.0
40°	281.1
42.5°	268.4
45°	255.8
47.5°	242.8
50°	229.1
52.5°	214.5
55°	200.0
57.5°	185.2
60°	170.2
62.5°	154.8
65°	139.4
67.5°	123.7
70°	108.1
72.5°	92.4
75°	76.9
77.5°	61.6
80°	46.9
82.5°	33.0
85°	19.8
87.5°	7.4
90°	0.0

(END OF REPORT)