

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: P579348

Luminaire Tested: **SMD6R129SWH-EM - 3500K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579348
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 - 3500K
Description: SMD SELECTABLE CCT 3500K
Light Source: SELECTABLE CCT LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

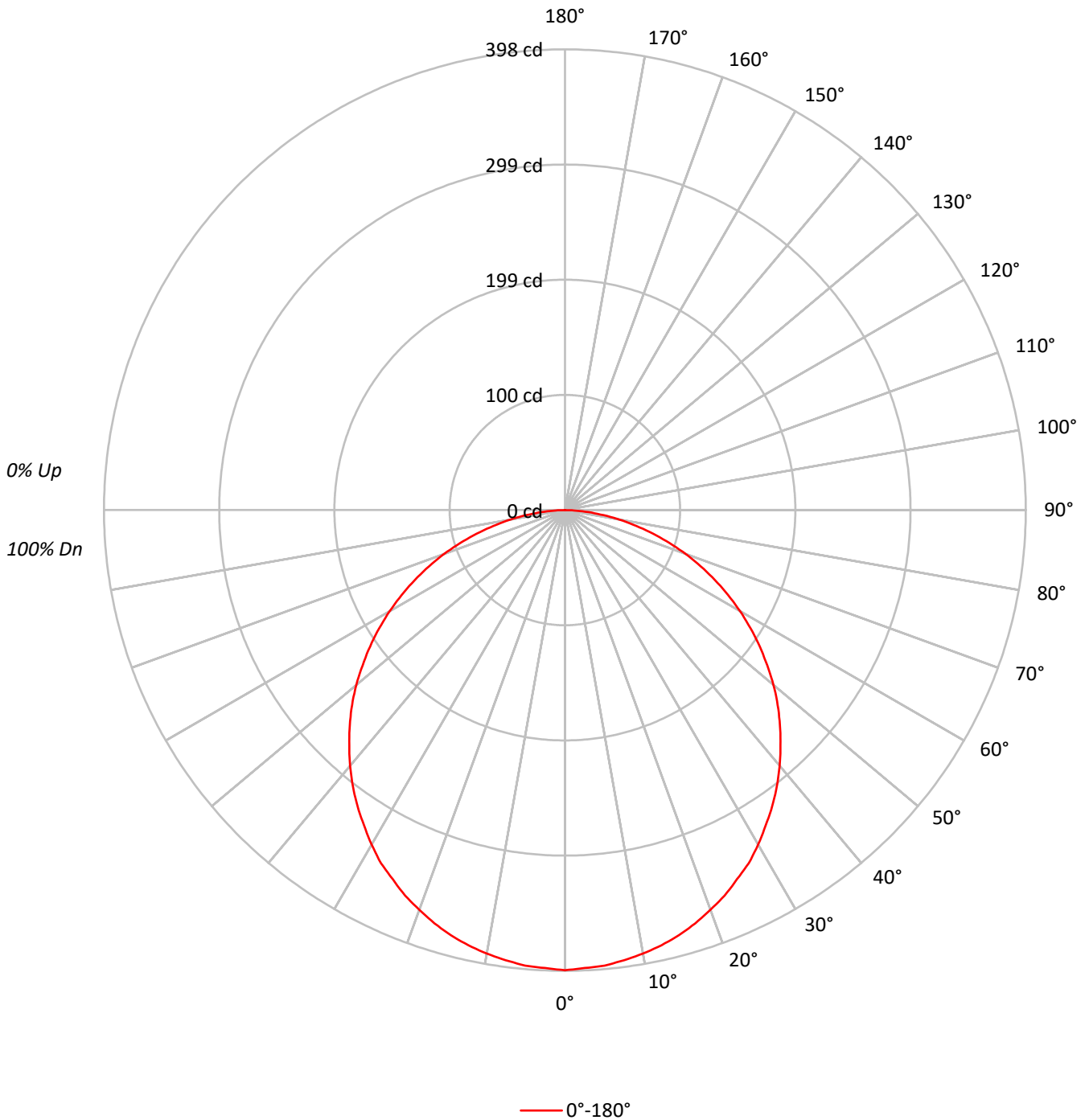
Lumens per Lamp: N/A
Luminaire Lumens: 1137.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P579348
CATALOG NUMBER: SMD6R129SWH-EM - 3500K

Luminous Intensity Polar Plot





TEST NUMBER: P579348
 CATALOG NUMBER: SMD6R129SWH-EM - 3500K

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°	21791
5°	21737
10°	21654
15°	21584
20°	21439
25°	21279
30°	21130
35°	20900
40°	20653
45°	20366
50°	20068
55°	19631
60°	19154
65°	18562
70°	17791
75°	16712
80°	15217
85°	12769



TEST NUMBER: P579348
 CATALOG NUMBER: SMD6R129SWH-EM - 3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	3.3
10°-20°	107.3	9.4
20°-30°	162.3	14.3
30°-40°	195.3	17.2
40°-50°	202.6	17.8
50°-60°	183.6	16.1
60°-70°	141.5	12.4
70°-80°	83.5	7.3
80°-90°	23.3	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°	307.1	27.0
0°-40°	502.4	44.2
0°-60°	888.6	78.2
0°-90°	1137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1137.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	398	
5°	395	37
15°	380	107
25°	352	162
35°	312	195
45°	263	203
55°	205	184
65°	143	142
75°	79	83
85°	20	23
90°	0	



TEST NUMBER: P579348
CATALOG NUMBER: SMD6R129SWH-EM - 3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	397.5
2.5°	396.0
5°	395.0
7.5°	392.1
10°	389.0
12.5°	385.1
15°	380.3
17.5°	374.3
20°	367.5
22.5°	360.5
25°	351.8
27.5°	343.9
30°	333.8
32.5°	322.8
35°	312.3
37.5°	300.8
40°	288.6
42.5°	275.6
45°	262.7
47.5°	249.3
50°	235.3
52.5°	220.2
55°	205.4
57.5°	190.2
60°	174.7
62.5°	158.9
65°	143.1
67.5°	127.0
70°	111.0
72.5°	94.9
75°	78.9
77.5°	63.2
80°	48.2
82.5°	33.8
85°	20.3
87.5°	7.6
90°	0.0

(END OF REPORT)