

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: P579351

Luminaire Tested: **SMD6R129SWHE-EM - 2700K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579351
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 - 2700K
Description: SMD SELECTABLE CCT 2700K
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

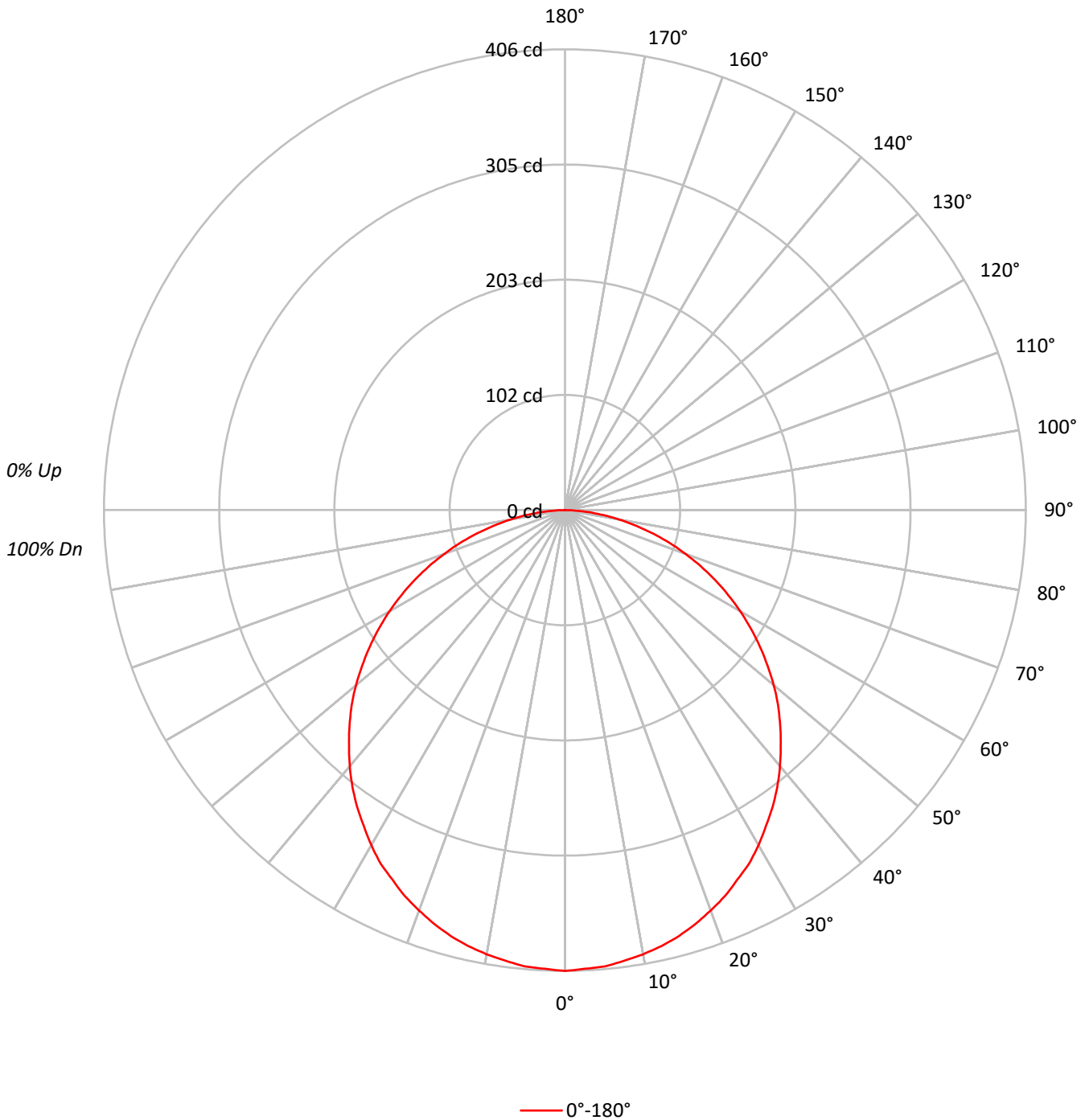
Lumens per Lamp: N/A
Luminaire Lumens: 1161.5 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.1
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°	22262
5°	22210
10°	22122
15°	22049
20°	21906
25°	21739
30°	21586
35°	21355
40°	21097
45°	20801
50°	20494
55°	20052
60°	19571
65°	18964
70°	18176
75°	17072
80°	15532
85°	13020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	3.3
10°-20°	109.6	9.4
20°-30°	165.9	14.3
30°-40°	199.6	17.2
40°-50°	207.0	17.8
50°-60°	187.5	16.1
60°-70°	144.5	12.4
70°-80°	85.3	7.3
80°-90°	23.8	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°	313.8	27.0
0°-40°	513.3	44.2
0°-60°	907.8	78.2
0°-90°	1161.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1161.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	406	
5°	404	38
15°	388	110
25°	359	166
35°	319	200
45°	268	207
55°	210	188
65°	146	145
75°	81	85
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	406.1
2.5°	404.6
5°	403.6
7.5°	400.6
10°	397.4
12.5°	393.5
15°	388.5
17.5°	382.4
20°	375.5
22.5°	368.3
25°	359.4
27.5°	351.4
30°	341.0
32.5°	329.8
35°	319.1
37.5°	307.4
40°	294.8
42.5°	281.5
45°	268.3
47.5°	254.7
50°	240.3
52.5°	225.0
55°	209.8
57.5°	194.3
60°	178.5
62.5°	162.3
65°	146.2
67.5°	129.7
70°	113.4
72.5°	97.0
75°	80.6
77.5°	64.6
80°	49.2
82.5°	34.6
85°	20.7
87.5°	7.7
90°	0.0

(END OF REPORT)