

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: P579353

Luminaire Tested: **SMD6R129SWHE-EM - 3500K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579353
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 - 3500K
Description: SMD SELECTABLE CCT 3500K
Light Source: SELECTABLE CCT LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

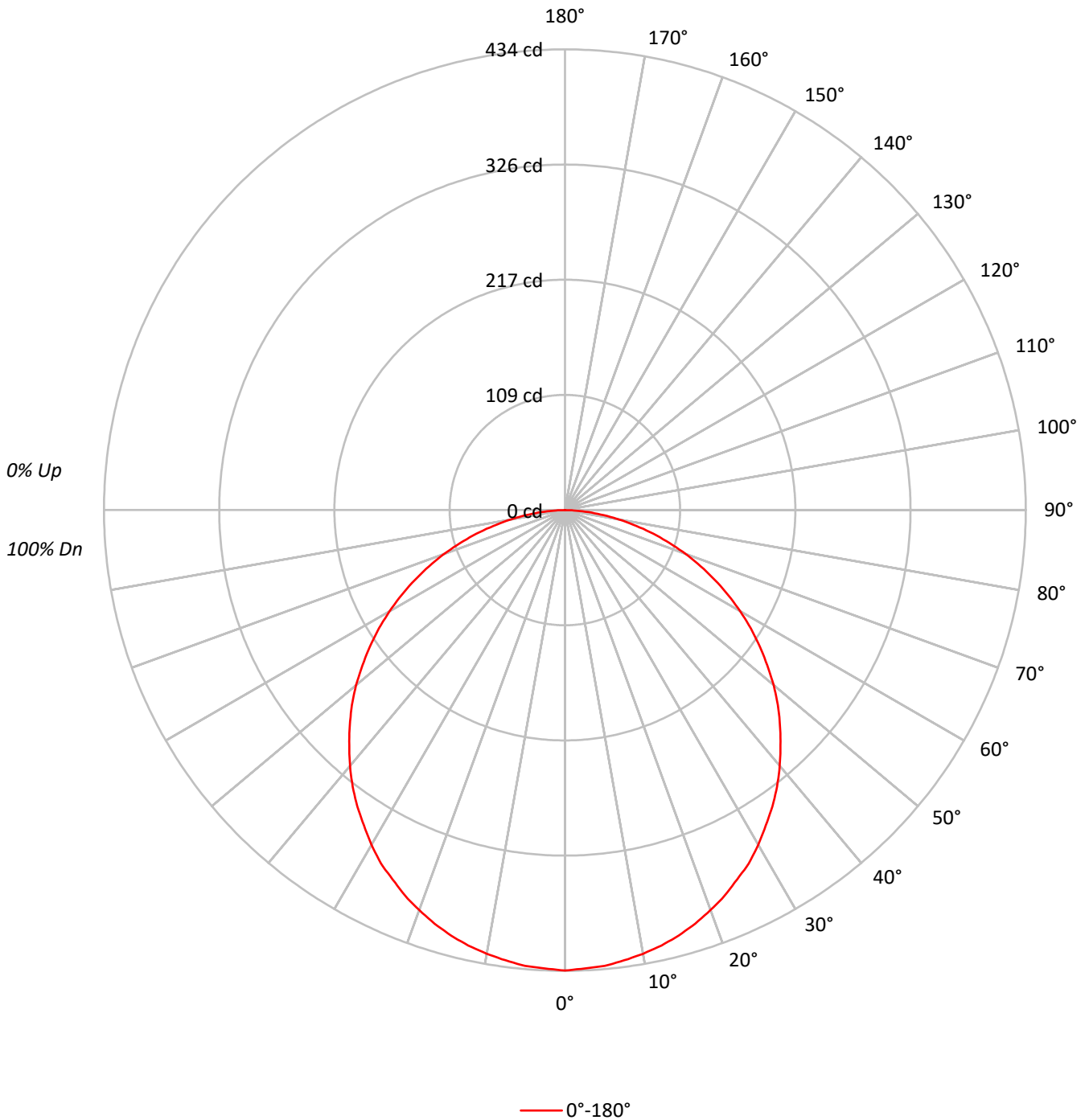
Lumens per Lamp: N/A
Luminaire Lumens: 1240.2 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



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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°	23776
5°	23712
10°	23619
15°	23542
20°	23388
25°	23215
30°	23048
35°	22801
40°	22528
45°	22212
50°	21884
55°	21409
60°	20897
65°	20249
70°	19394
75°	18237
80°	16574
85°	13964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	3.3
10°-20°	117.0	9.4
20°-30°	177.1	14.3
30°-40°	213.1	17.2
40°-50°	221.0	17.8
50°-60°	200.2	16.1
60°-70°	154.4	12.4
70°-80°	91.0	7.3
80°-90°	25.4	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°	335.0	27.0
0°-40°	548.1	44.2
0°-60°	969.3	78.2
0°-90°	1240.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1240.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	434	
5°	431	41
15°	415	117
25°	384	177
35°	341	213
45°	286	221
55°	224	200
65°	156	154
75°	86	91
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	433.7
2.5°	432.1
5°	430.9
7.5°	427.8
10°	424.3
12.5°	420.1
15°	414.8
17.5°	408.4
20°	400.9
22.5°	393.2
25°	383.8
27.5°	375.2
30°	364.1
32.5°	352.1
35°	340.7
37.5°	328.2
40°	314.8
42.5°	300.6
45°	286.5
47.5°	271.9
50°	256.6
52.5°	240.2
55°	224.0
57.5°	207.5
60°	190.6
62.5°	173.4
65°	156.1
67.5°	138.5
70°	121.0
72.5°	103.5
75°	86.1
77.5°	68.9
80°	52.5
82.5°	36.9
85°	22.2
87.5°	8.2
90°	0.0

(END OF REPORT)