

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: P406194

Luminaire Tested: **SMD14R09SWHE 2700K**

Test Date: 2020-03-28

Test Information

Test Method: LM-79-08
Report Number: P406194
Test Lab: EVERFINE
Test Date: 2020-03-28
Issue Date: 2020-03-28 16:59:20
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD14R09SWHE 2700K
Description: DL-NA1UaA26OR1-2590
Light Source: -
Ballast/Driver: -

Summary

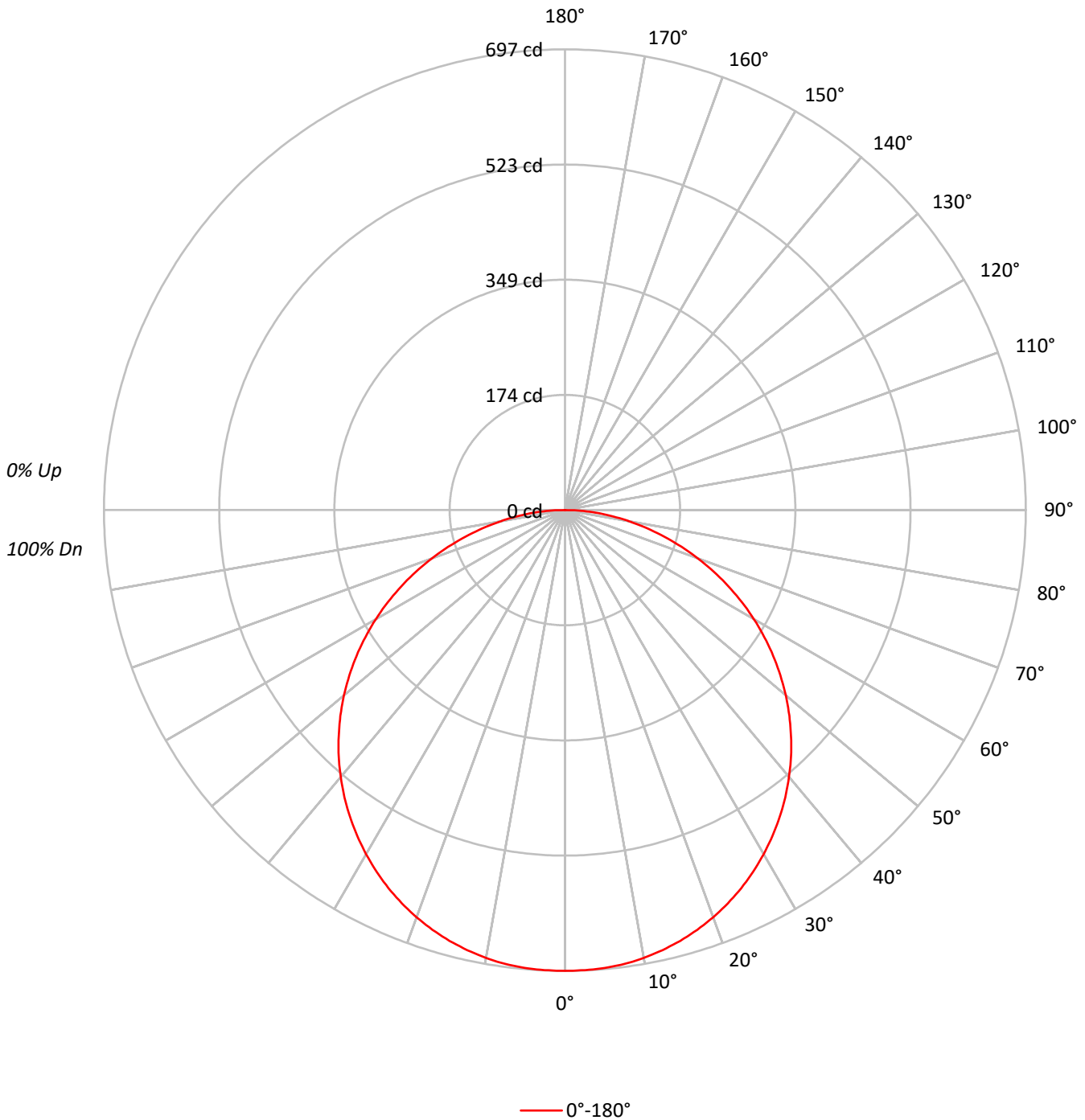
Lumens per Lamp: N/A
Luminaire Lumens: 2106.6 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4
Luminous Opening: Circular (Dia: 0.18m x H: 0m)
CIE Type: Direct

Input Watts (W): 26.1
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	53	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28072
5°	28111
10°	28141
15°	28129
20°	28100
25°	28050
30°	27951
35°	27859
40°	27729
45°	27551
50°	27319
55°	27020
60°	26606
65°	26008
70°	25248
75°	24229
80°	23101
85°	22089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	3.1
10°-20°	190.4	9.0
20°-30°	290.9	13.8
30°-40°	354.5	16.8
40°-50°	373.1	17.7
50°-60°	343.7	16.3
60°-70°	270.0	12.8
70°-80°	164.8	7.8
80°-90°	53.1	2.5
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°	547.5	26.0
0°-40°	902.0	42.8
0°-60°	1618.8	76.8
0°-90°	2106.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2106.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	697	
5°	695	66
15°	675	190
25°	631	291
35°	567	354
45°	484	373
55°	385	344
65°	273	270
75°	156	165
85°	48	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	697.0
2.5°	696.7
5°	695.3
7.5°	692.5
10°	688.1
12.5°	681.8
15°	674.6
17.5°	665.7
20°	655.6
22.5°	644.0
25°	631.2
27.5°	616.8
30°	601.0
32.5°	584.4
35°	566.6
37.5°	547.6
40°	527.4
42.5°	506.4
45°	483.7
47.5°	460.4
50°	436.0
52.5°	410.8
55°	384.8
57.5°	357.6
60°	330.3
62.5°	301.8
65°	272.9
67.5°	243.8
70°	214.4
72.5°	184.9
75°	155.7
77.5°	127.2
80°	99.6
82.5°	73.4
85°	47.8
87.5°	24.1
90°	0.0

(END OF REPORT)