

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: P406198

Luminaire Tested: **SMD14R09SWHE 5000K**

Test Date: 2020-03-28

Test Information

Test Method: LM-79-08
Report Number: P406198
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 5000K
Description: DL-NA1UaA26OR1-2590
Light Source: -
Ballast/Driver: -

Summary

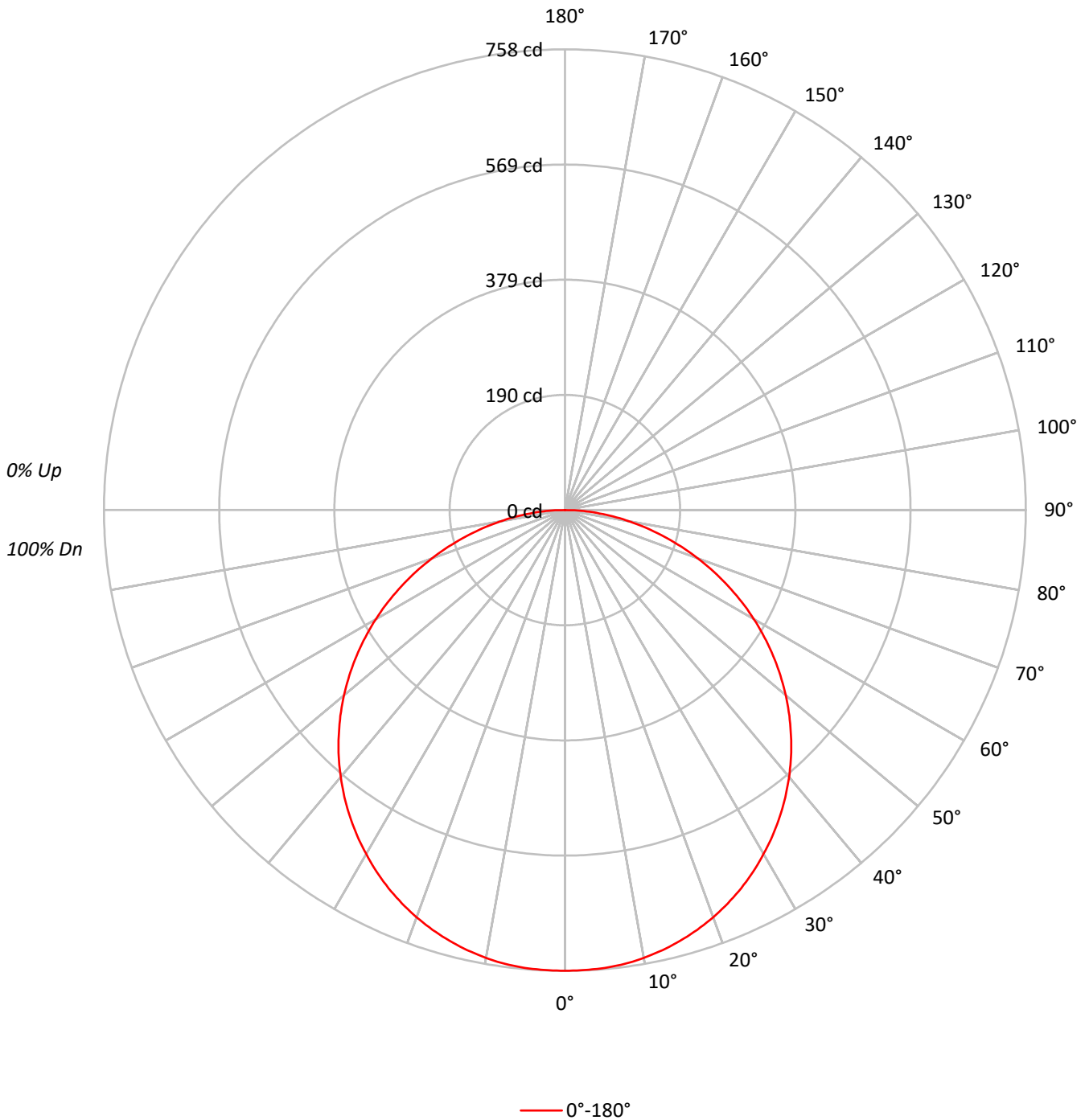
Lumens per Lamp: N/A
Luminaire Lumens: 2291.1 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4
Luminous Opening: Circular (Dia: 0.18m x H: 0m)
CIE Type: Direct

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	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	54	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°	30525
5°	30569
10°	30603
15°	30589
20°	30560
25°	30503
30°	30392
35°	30297
40°	30158
45°	29966
50°	29713
55°	29387
60°	28934
65°	28285
70°	27450
75°	26346
80°	25142
85°	24030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	3.1
10°-20°	207.1	9.0
20°-30°	316.3	13.8
30°-40°	385.5	16.8
40°-50°	405.8	17.7
50°-60°	373.8	16.3
60°-70°	293.6	12.8
70°-80°	179.2	7.8
80°-90°	57.8	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°	595.4	26.0
0°-40°	980.9	42.8
0°-60°	1760.4	76.8
0°-90°	2291.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2291.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	758	
5°	756	72
15°	734	207
25°	686	316
35°	616	385
45°	526	406
55°	418	374
65°	297	294
75°	169	179
85°	52	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	757.9
2.5°	757.6
5°	756.1
7.5°	753.1
10°	748.3
12.5°	741.5
15°	733.6
17.5°	724.0
20°	713.0
22.5°	700.4
25°	686.4
27.5°	670.7
30°	653.5
32.5°	635.5
35°	616.2
37.5°	595.5
40°	573.6
42.5°	550.7
45°	526.1
47.5°	500.7
50°	474.2
52.5°	446.8
55°	418.5
57.5°	388.9
60°	359.2
62.5°	328.2
65°	296.8
67.5°	265.2
70°	233.1
72.5°	201.1
75°	169.3
77.5°	138.4
80°	108.4
82.5°	79.9
85°	52.0
87.5°	26.3
90°	0.0

(END OF REPORT)