

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: P406195

Luminaire Tested: **SMD14R09SWHE 3000K**

Test Date: 2020-03-28

Test Information

Test Method: LM-79-08
Report Number: P406195
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 3000K
Description: DL-NA1UaA26OR1-2590
Light Source: -
Ballast/Driver: -

Summary

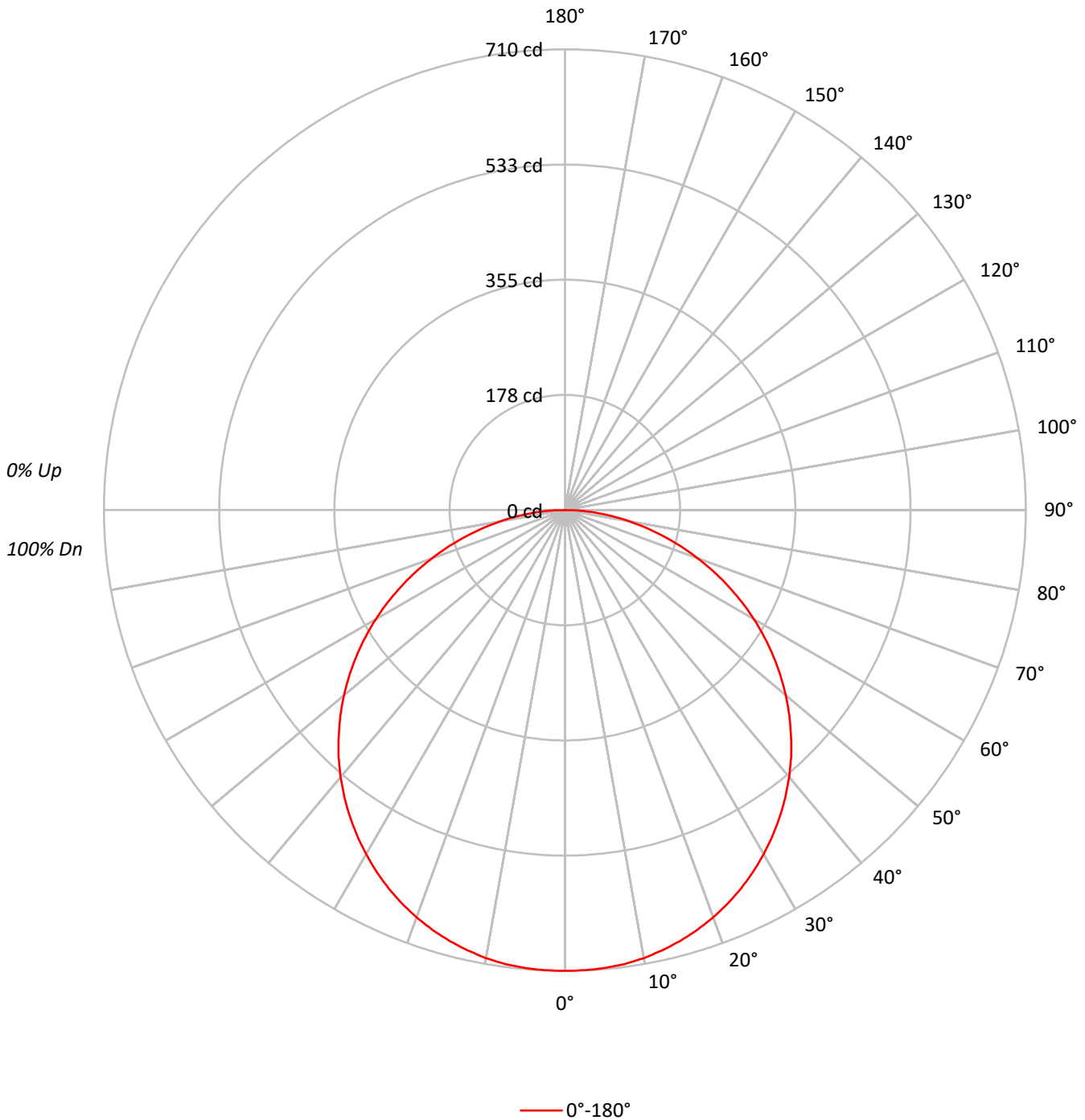
Lumens per Lamp: N/A
Luminaire Lumens: 2146.1 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4
Luminous Opening: Circular (Dia: 0.18m x H: 0m)
CIE Type: Direct

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°	28596
5°	28636
10°	28669
15°	28654
20°	28627
25°	28575
30°	28471
35°	28380
40°	28249
45°	28069
50°	27833
55°	27526
60°	27106
65°	26494
70°	25719
75°	24680
80°	23542
85°	22505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	3.1
10°-20°	194.0	9.0
20°-30°	296.3	13.8
30°-40°	361.1	16.8
40°-50°	380.1	17.7
50°-60°	350.1	16.3
60°-70°	275.0	12.8
70°-80°	167.9	7.8
80°-90°	54.1	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°	557.7	26.0
0°-40°	918.8	42.8
0°-60°	1649.1	76.8
0°-90°	2146.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2146.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	710	
5°	708	67
15°	687	194
25°	643	296
35°	577	361
45°	493	380
55°	392	350
65°	278	275
75°	159	168
85°	49	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	710.0
2.5°	709.7
5°	708.3
7.5°	705.5
10°	701.0
12.5°	694.6
15°	687.2
17.5°	678.2
20°	667.9
22.5°	656.1
25°	643.0
27.5°	628.3
30°	612.2
32.5°	595.3
35°	577.2
37.5°	557.8
40°	537.3
42.5°	515.9
45°	492.8
47.5°	469.0
50°	444.2
52.5°	418.5
55°	392.0
57.5°	364.3
60°	336.5
62.5°	307.4
65°	278.0
67.5°	248.4
70°	218.4
72.5°	188.4
75°	158.6
77.5°	129.6
80°	101.5
82.5°	74.8
85°	48.7
87.5°	24.6
90°	0.0

(END OF REPORT)