

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: P406196

Luminaire Tested: **SMD14R09SWHE 3500K**

Test Date: 2020-03-28

Test Information

Test Method: LM-79-08
Report Number: P406196
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 3500K
Description: DL-NA1UaA26OR1-2590
Light Source: -
Ballast/Driver: -

Summary

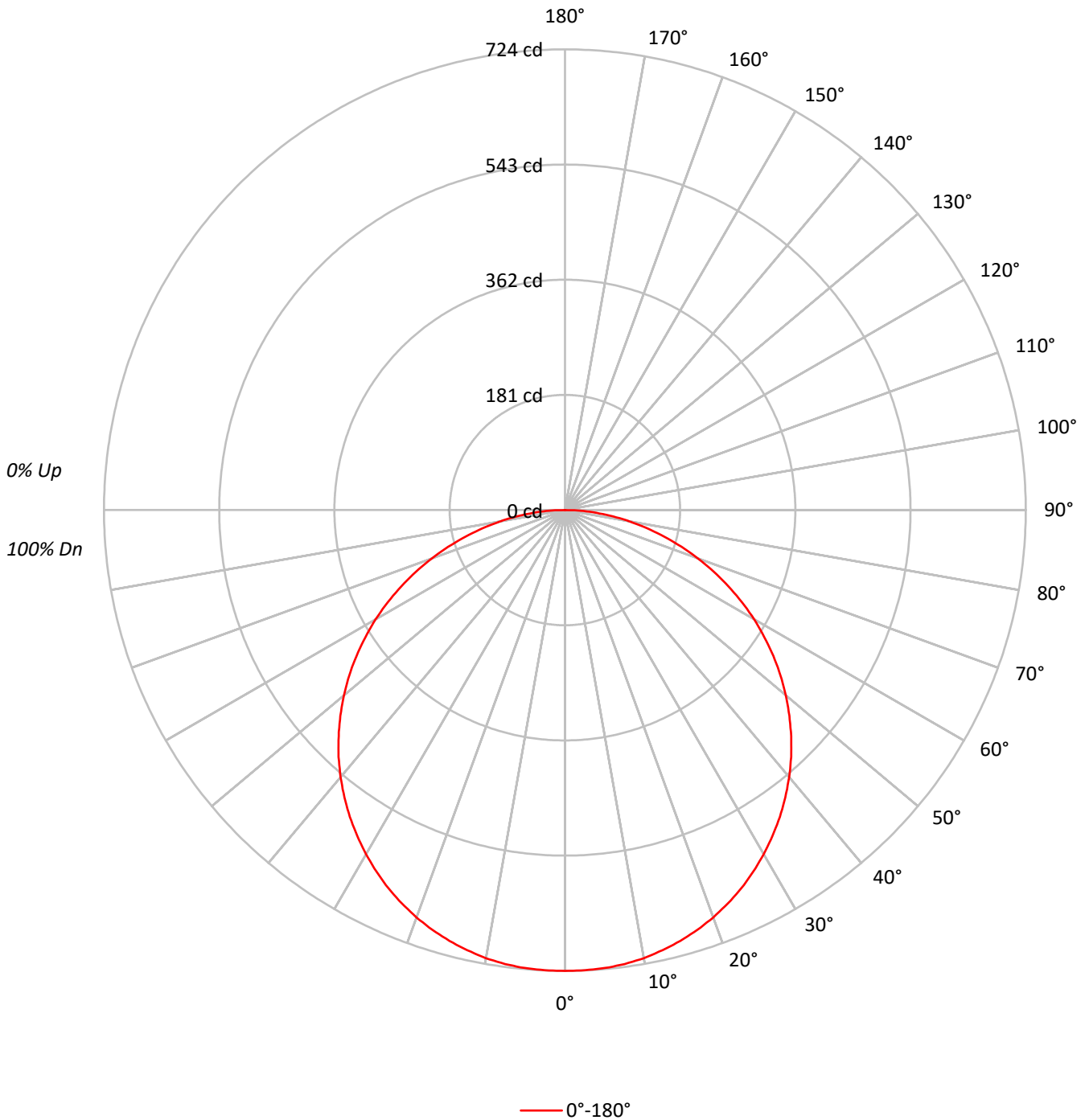
Lumens per Lamp: N/A
Luminaire Lumens: 2188.7 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4
Luminous Opening: Circular (Dia: 0.18m x H: 0m)
CIE Type: Direct

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°	29164
5°	29207
10°	29238
15°	29221
20°	29197
25°	29144
30°	29039
35°	28945
40°	28812
45°	28628
50°	28384
55°	28074
60°	27645
65°	27018
70°	26225
75°	25163
80°	24006
85°	22967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	3.1
10°-20°	197.9	9.0
20°-30°	302.2	13.8
30°-40°	368.3	16.8
40°-50°	387.7	17.7
50°-60°	357.1	16.3
60°-70°	280.5	12.8
70°-80°	171.2	7.8
80°-90°	55.2	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°	568.8	26.0
0°-40°	937.1	42.8
0°-60°	1681.8	76.8
0°-90°	2188.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	724	
5°	722	69
15°	701	198
25°	656	302
35°	589	368
45°	503	388
55°	400	357
65°	284	280
75°	162	171
85°	50	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	724.1
2.5°	723.8
5°	722.4
7.5°	719.5
10°	714.9
12.5°	708.4
15°	700.8
17.5°	691.7
20°	681.2
22.5°	669.1
25°	655.8
27.5°	640.8
30°	624.4
32.5°	607.1
35°	588.7
37.5°	568.9
40°	548.0
42.5°	526.1
45°	502.6
47.5°	478.3
50°	453.0
52.5°	426.8
55°	399.8
57.5°	371.5
60°	343.2
62.5°	313.5
65°	283.5
67.5°	253.3
70°	222.7
72.5°	192.1
75°	161.7
77.5°	132.2
80°	103.5
82.5°	76.3
85°	49.7
87.5°	25.1
90°	0.0

(END OF REPORT)