

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: P328526

Luminaire Tested: **L815SML10NF927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML10NF927MB
Description: Small, 1000lm, 25D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1157.0 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.39
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

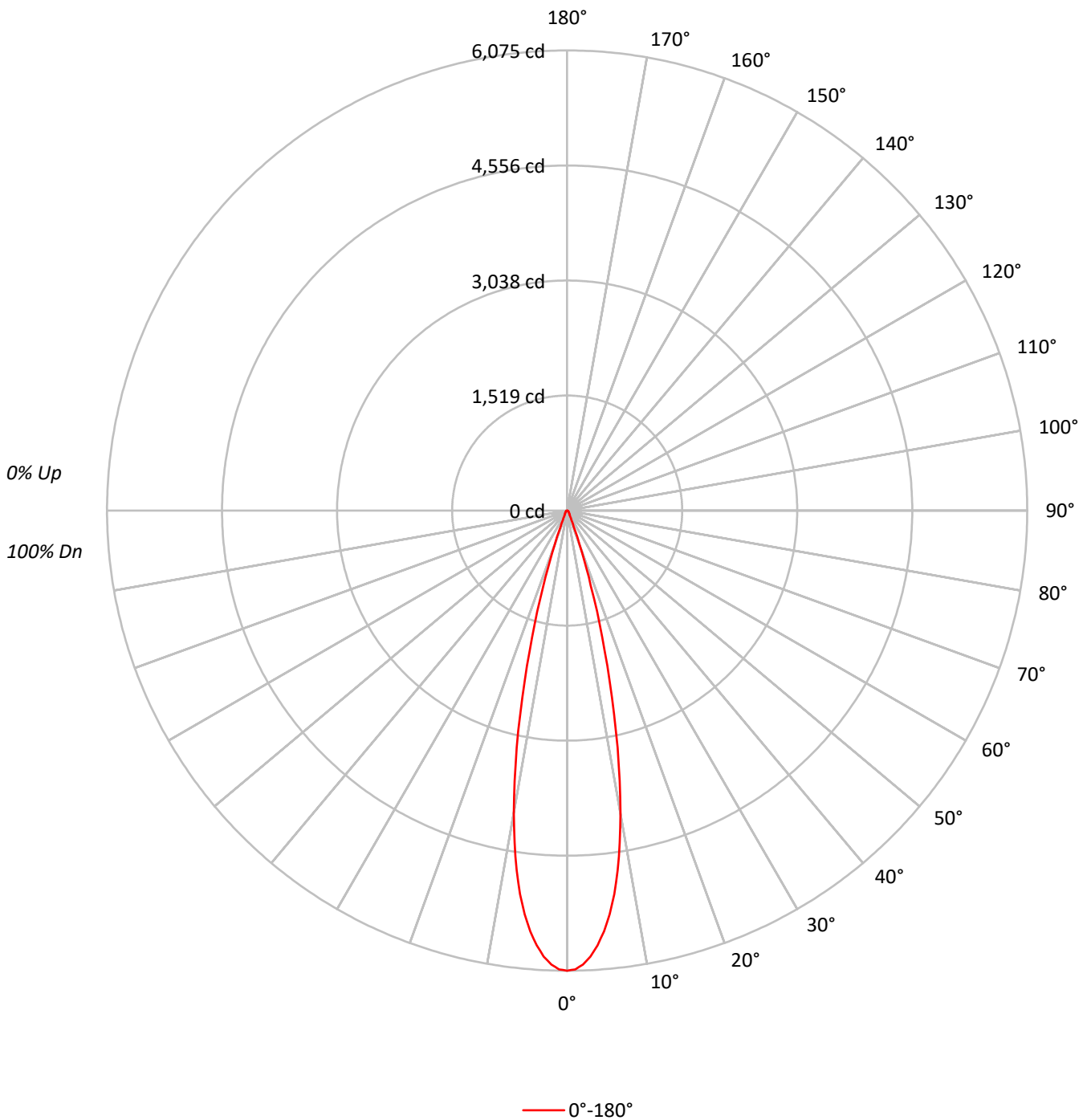
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	95	93	97	94	92	95	93	91	93	91	90	89
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	85	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1332218
5°	1227622
10°	902989
15°	433442
20°	109560
25°	30679
30°	16484
35°	12742
40°	11336
45°	9551
50°	7778
55°	5887
60°	2631
65°	1764
70°	833
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.2	41.9
10°-20°	524.8	45.4
20°-30°	76.3	6.6
30°-40°	30.7	2.7
40°-50°	23.9	2.1
50°-60°	13.2	1.1
60°-70°	3.6	0.3
70°-80°	0.4	0.0
80°-90°	0.0	0.0
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°	1085.3	93.8
0°-40°	1116.0	96.5
0°-60°	1153.1	99.7
0°-90°	1157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1157.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6075	
5°	5577	484
15°	1909	525
25°	127	76
35°	48	31
45°	31	24
55°	15	13
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6075.4
1°	6058.0
2°	5995.6
3°	5897.7
4°	5752.2
5°	5577.1
6°	5358.5
7°	5101.6
8°	4795.8
9°	4437.7
10°	4055.4
11°	3636.3
12°	3200.3
13°	2755.7
14°	2324.5
15°	1909.3
17.5°	1037.5
20°	469.5
22.5°	220.6
25°	126.8
27.5°	85.8
30°	65.1
32.5°	53.7
35°	47.6
37.5°	43.6
40°	39.6
42.5°	35.5
45°	30.8
47.5°	26.8
50°	22.8
52.5°	18.8
55°	15.4
57.5°	10.7
60°	6.0
62.5°	4.7
65°	3.4
67.5°	2.7
70°	1.3
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)