

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: P328532

Luminaire Tested: **L815SML10NP935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815SML10NP935MB  
Description: Small, 1000lm, 8D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 904.9 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

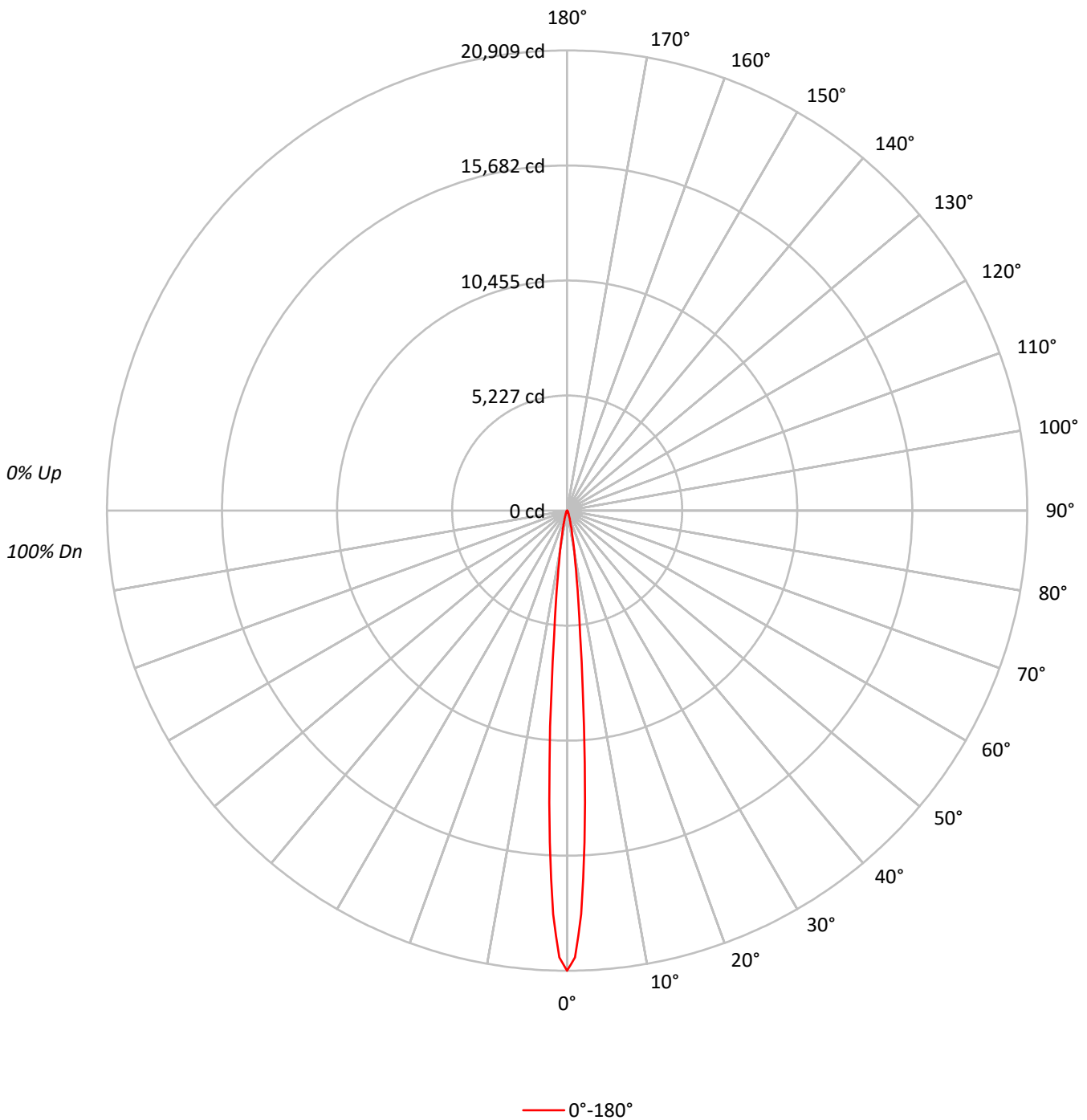
Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90
6	103	97	94	91	101	97	94	91	96	93	91	94	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	94	90	88	98	93	90	88	92	89	87	91	89	87	91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	85
10	96	91	87	85	95	90	87	85	90	87	85	89	87	85	88	86	85	84

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	4584984
5°	1791543
10°	408565
15°	132214
20°	55351
25°	29373
30°	17091
35°	11725
40°	9017
45°	7660
50°	6516
55°	5582
60°	2938
65°	1764
70°	705
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.5	65.9
10°-20°	185.6	20.5
20°-30°	59.1	6.5
30°-40°	28.4	3.1
40°-50°	19.1	2.1
50°-60°	12.4	1.4
60°-70°	3.4	0.4
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°	841.2	93.0
0°-40°	869.6	96.1
0°-60°	901.1	99.6
0°-90°	904.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	20909	
5°	8139	596
15°	582	186
25°	121	59
35°	44	28
45°	25	19
55°	15	12
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	20909.2
1°	20308.8
2°	18350.2
3°	15093.0
4°	11510.9
5°	8139.0
6°	5685.7
7°	4146.5
8°	3070.6
9°	2383.6
10°	1834.9
11°	1434.6
12°	1119.8
13°	895.0
14°	720.7
15°	582.4
17.5°	360.9
20°	237.2
22.5°	166.4
25°	121.4
27.5°	89.9
30°	67.5
32.5°	52.8
35°	43.8
37.5°	37.1
40°	31.5
42.5°	28.1
45°	24.7
47.5°	21.4
50°	19.1
52.5°	16.9
55°	14.6
57.5°	11.2
60°	6.7
62.5°	4.5
65°	3.4
67.5°	2.2
70°	1.1
72.5°	1.1
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)