

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: P328438

Luminaire Tested: **L815MED10NP927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-15)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED10NP927MB  
Description: Medium, 1000lm, 8D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

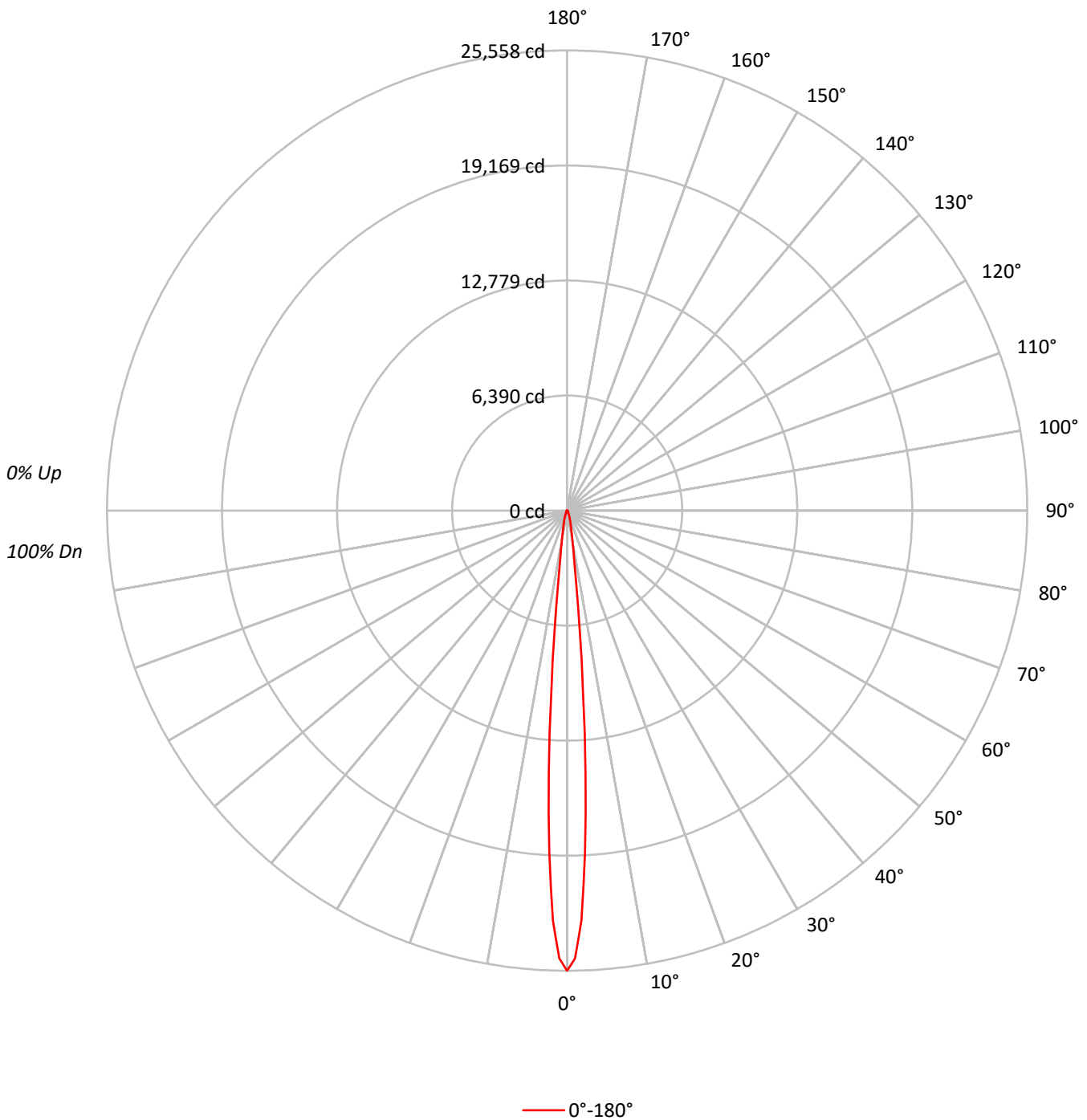
Lumens per Lamp: N/A  
Luminaire Lumens: 1125.1 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	3152468
5°	1250438
10°	207462
15°	90754
20°	46979
25°	23803
30°	16094
35°	11293
40°	8373
45°	6977
50°	7292
55°	4301
60°	4440
65°	6713
70°	721
75°	8102
80°	5683
85°	8491



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.9	61.3
10°-20°	209.8	18.6
20°-30°	89.1	7.9
30°-40°	46.6	4.1
40°-50°	33.9	3.0
50°-60°	23.9	2.1
60°-70°	16.7	1.5
70°-80°	10.3	0.9
80°-90°	4.9	0.4
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°	988.8	87.9
0°-40°	1035.4	92.0
0°-60°	1093.1	97.2
0°-90°	1125.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1125.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	25558	
5°	10099	690
15°	711	210
25°	175	89
35°	75	47
45°	40	34
55°	20	24
65°	23	17
75°	17	10
85°	6	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	25558.0
1°	24877.3
2°	22773.1
3°	19008.6
4°	14680.3
5°	10099.1
6°	6606.4
7°	4131.4
8°	2815.9
9°	2102.2
10°	1656.4
11°	1367.5
12°	1134.6
13°	961.6
14°	816.7
15°	710.7
17.5°	492.8
20°	357.9
22.5°	250.9
25°	174.9
27.5°	136.9
30°	113.0
32.5°	79.0
35°	75.0
37.5°	64.0
40°	52.0
42.5°	53.0
45°	40.0
47.5°	38.0
50°	38.0
52.5°	31.0
55°	20.0
57.5°	28.0
60°	18.0
62.5°	29.0
65°	23.0
67.5°	6.0
70°	2.0
72.5°	9.0
75°	17.0
77.5°	8.0
80°	8.0
82.5°	8.0
85°	6.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)