

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: P328458

Luminaire Tested: **L815MED20NF927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328458  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED20NF927MB  
Description: Medium, 2000lm, 25D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2026.0 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.39  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

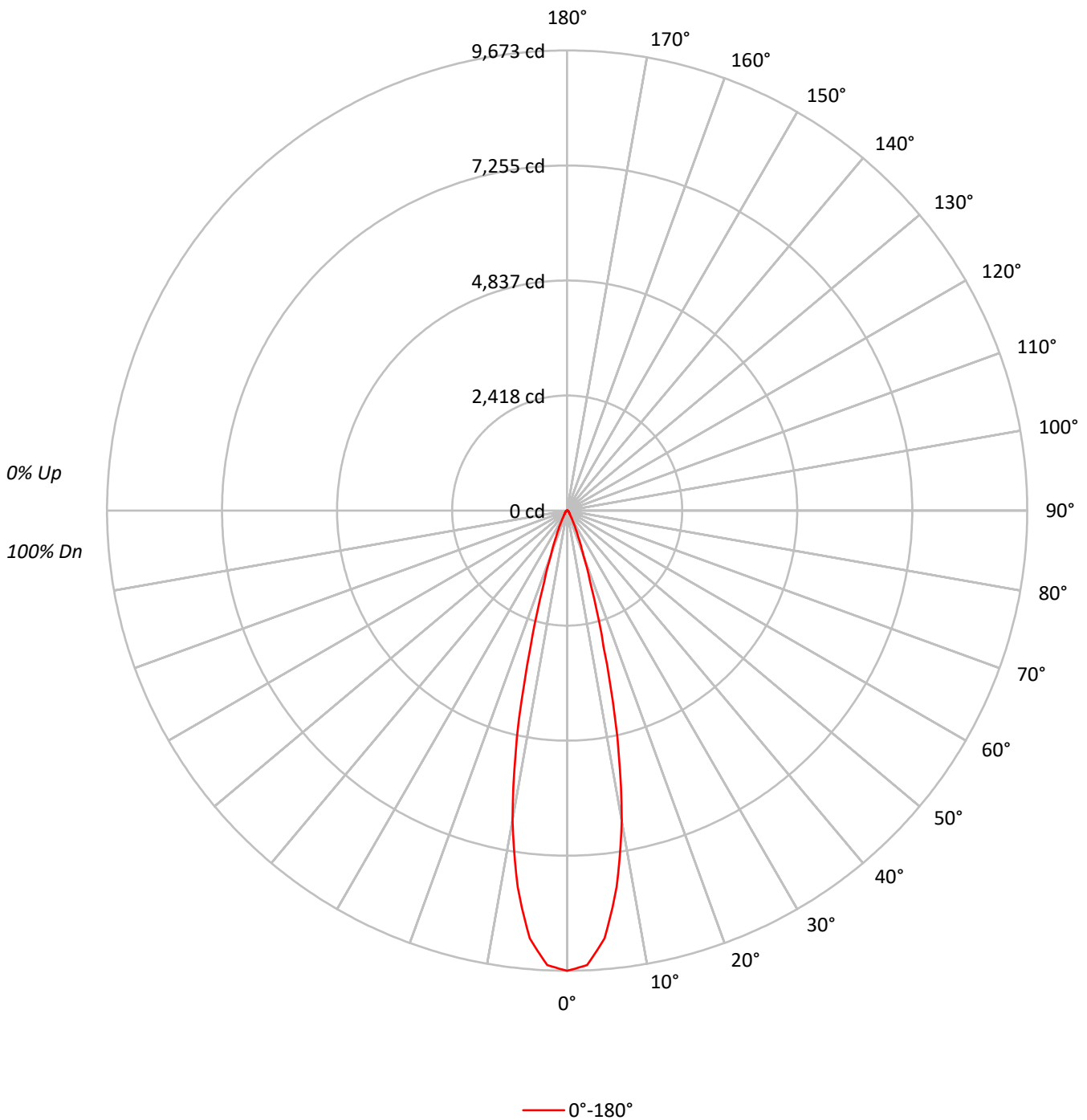
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	104	103	102	101	101	100	99	98	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	98	100	98	96	96	97	96	94	94	93	93	93	93
3	107	103	99	96	106	101	98	95	99	96	94	94	96	94	92	92	94	92	91	91	90	90	90	90
4	104	98	94	91	102	97	94	91	95	92	90	90	94	91	89	89	92	90	88	88	87	87	87	87
5	101	95	91	88	99	94	90	87	92	89	86	86	91	88	86	86	89	87	85	85	84	84	84	84
6	98	92	87	84	97	91	87	84	90	86	84	84	88	85	83	83	87	85	83	83	81	81	81	81
7	95	89	85	82	94	88	84	81	87	84	81	81	86	83	81	81	85	82	80	80	79	79	79	79
8	93	86	82	79	92	86	82	79	85	81	79	79	84	81	78	78	83	80	78	78	77	77	77	77
9	90	84	80	77	90	83	79	77	83	79	77	77	82	79	76	76	81	78	76	76	75	75	75	75
10	88	82	78	75	87	81	77	75	81	77	75	75	80	77	74	74	79	76	74	74	73	73	73	73

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

	0°
0°	1193172
5°	1117991
10°	828368
15°	378429
20°	132299
25°	57011
30°	27389
35°	16202
40°	11674
45°	10117
50°	7752
55°	8365
60°	6957
65°	5779
70°	3859
75°	381
80°	2699
85°	1132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	782.3	38.6
10°-20°	859.8	42.4
20°-30°	213.1	10.5
30°-40°	71.5	3.5
40°-50°	44.7	2.2
50°-60°	30.7	1.5
60°-70°	21.0	1.0
70°-80°	2.1	0.1
80°-90°	0.7	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°	1855.3	91.6
0°-40°	1926.7	95.1
0°-60°	2002.1	98.8
0°-90°	2026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2026.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9673	
5°	9029	782
15°	2964	860
25°	419	213
35°	108	71
45°	58	45
55°	39	31
65°	20	21
75°	1	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9673.4
2.5°	9564.3
5°	9029.4
7.5°	7979.5
10°	6613.8
12.5°	4871.8
15°	2963.5
17.5°	1690.8
20°	1007.9
22.5°	637.1
25°	418.9
27.5°	277.0
30°	192.3
32.5°	141.9
35°	107.6
37.5°	82.4
40°	72.5
42.5°	60.3
45°	58.0
47.5°	57.2
50°	40.4
52.5°	42.7
55°	38.9
57.5°	22.1
60°	28.2
62.5°	26.7
65°	19.8
67.5°	19.1
70°	10.7
72.5°	0.0
75°	0.8
77.5°	0.0
80°	3.8
82.5°	0.0
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)