

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: P328460

Luminaire Tested: **L815MED20NF935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328460  
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: L815MED20NF935MB  
Description: Medium, 2000lm, 25D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2278.0 lumens  
Efficiency: N/A  
Efficacy: 92.2 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

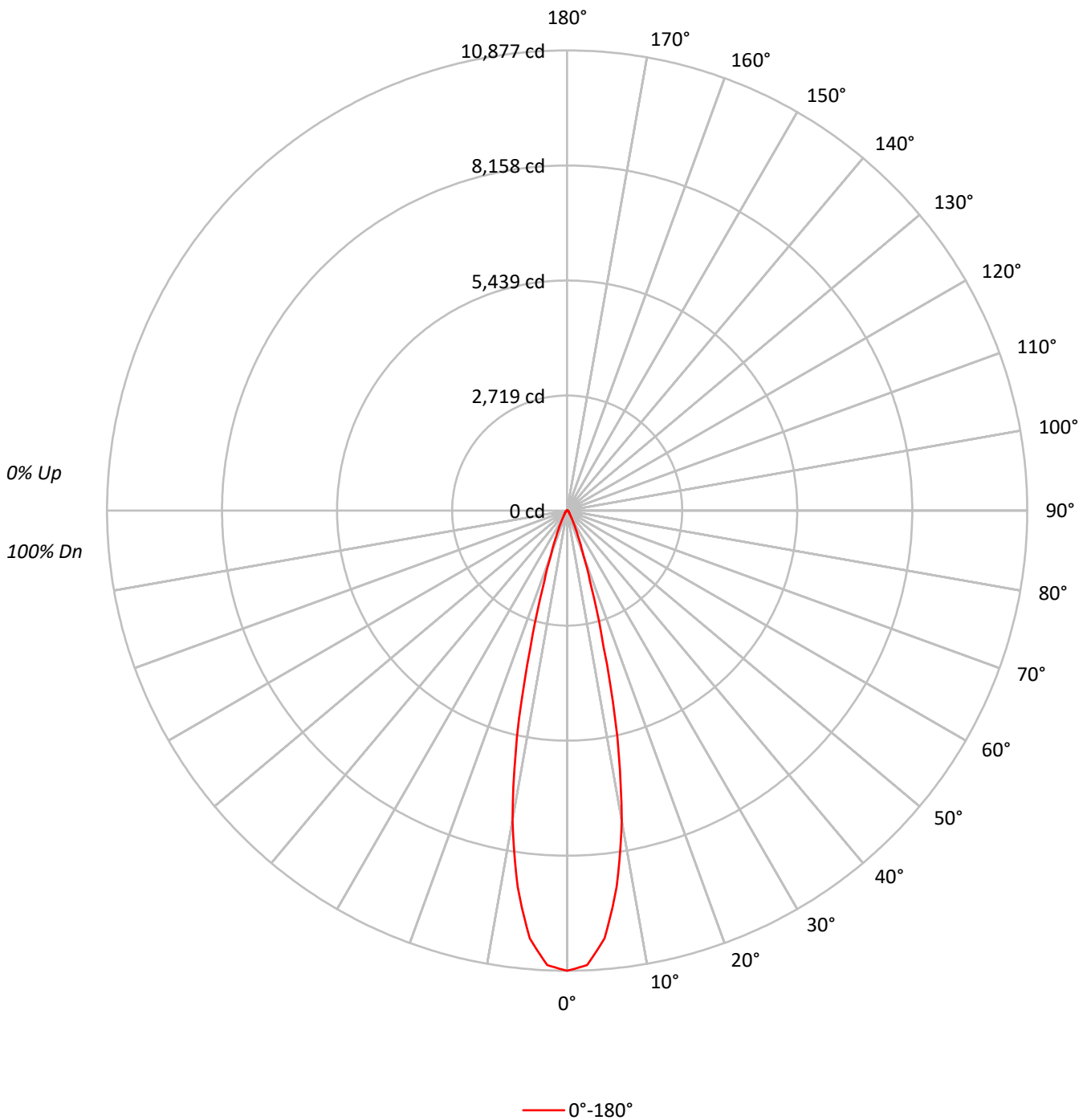
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	107	104	102	109	106	103	100	102	100	98		100	98	96		97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94		96	94	92		94	92	91	90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87	85	83	81
7	95	89	85	82	94	88	84	81	87	84	81		86	83	81		85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79		84	81	78		83	80	78	77
9	90	84	80	77	90	83	79	77	83	79	77		82	79	76		81	78	76	75
10	88	82	78	75	87	81	77	75	81	77	75		80	77	74		79	76	74	73

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

	0°
0°	1341581
5°	1257062
10°	931397
15°	425498
20°	148759
25°	64102
30°	30793
35°	18220
40°	13123
45°	11373
50°	8731
55°	9419
60°	7820
65°	6508
70°	4328
75°	429
80°	3054
85°	1274



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	879.6	38.6
10°-20°	966.8	42.4
20°-30°	239.7	10.5
30°-40°	80.4	3.5
40°-50°	50.2	2.2
50°-60°	34.6	1.5
60°-70°	23.6	1.0
70°-80°	2.4	0.1
80°-90°	0.8	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°	2086.0	91.6
0°-40°	2166.4	95.1
0°-60°	2251.2	98.8
0°-90°	2278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2278.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10877	
5°	10153	880
15°	3332	967
25°	471	240
35°	121	80
45°	65	50
55°	44	35
65°	22	24
75°	1	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10876.6
2.5°	10754.0
5°	10152.6
7.5°	8972.1
10°	7436.4
12.5°	5477.8
15°	3332.1
17.5°	1901.1
20°	1133.3
22.5°	716.4
25°	471.0
27.5°	311.4
30°	216.2
32.5°	159.6
35°	121.0
37.5°	92.7
40°	81.5
42.5°	67.8
45°	65.2
47.5°	64.3
50°	45.5
52.5°	48.0
55°	43.8
57.5°	24.9
60°	31.7
62.5°	30.0
65°	22.3
67.5°	21.4
70°	12.0
72.5°	0.0
75°	0.9
77.5°	0.0
80°	4.3
82.5°	0.0
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)