

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: P328472

Luminaire Tested: **L815MED20WF935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-13)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED20WF935MB  
Description: Medium, 2000lm, 60D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2175.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.88  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

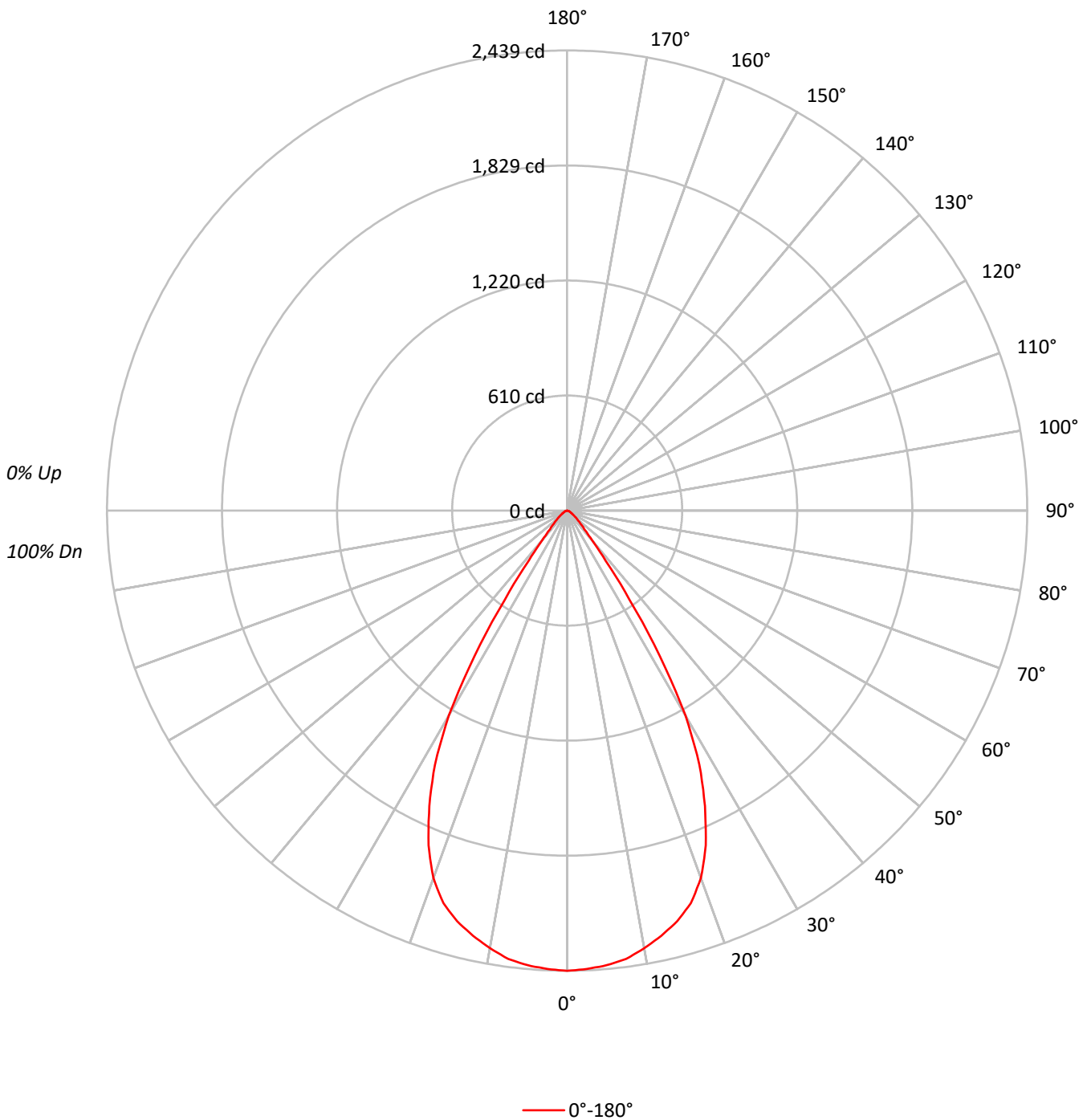
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79		85	81	78		83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	65	73	68	64		72	67	64		71	67	63	62
8	80	71	65	61	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57		64	60	56		64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53		61	57	53		60	56	53	52

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

	0°
0°	300877
5°	299476
10°	294985
15°	287701
20°	272079
25°	235148
30°	178476
35°	86853
40°	32477
45°	18264
50°	12838
55°	8494
60°	6340
65°	5253
70°	4039
75°	2049
80°	639
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.0	10.5
10°-20°	630.8	29.0
20°-30°	779.2	35.8
30°-40°	387.4	17.8
40°-50°	88.0	4.0
50°-60°	37.6	1.7
60°-70°	17.9	0.8
70°-80°	5.0	0.2
80°-90°	0.1	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°	1639.0	75.4
0°-40°	2026.4	93.2
0°-60°	2152.0	98.9
0°-90°	2175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2439	
5°	2419	229
15°	2253	631
25°	1728	779
35°	577	387
45°	105	88
55°	40	38
65°	18	18
75°	4	5
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2439.3
2.5°	2431.6
5°	2418.7
7.5°	2396.4
10°	2355.2
12.5°	2308.0
15°	2253.0
17.5°	2181.8
20°	2072.8
22.5°	1920.0
25°	1727.8
27.5°	1518.3
30°	1253.1
32.5°	913.2
35°	576.8
37.5°	334.7
40°	201.7
42.5°	138.2
45°	104.7
47.5°	84.1
50°	66.9
52.5°	51.5
55°	39.5
57.5°	31.8
60°	25.7
62.5°	21.5
65°	18.0
67.5°	14.6
70°	11.2
72.5°	6.9
75°	4.3
77.5°	1.7
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)