

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: P328434

Luminaire Tested: **L815MED10NF927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328434
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: L815MED10NF927MB
Description: Medium, 1000lm, 25D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1151.0 lumens
Efficiency: N/A
Efficacy: 90.6 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

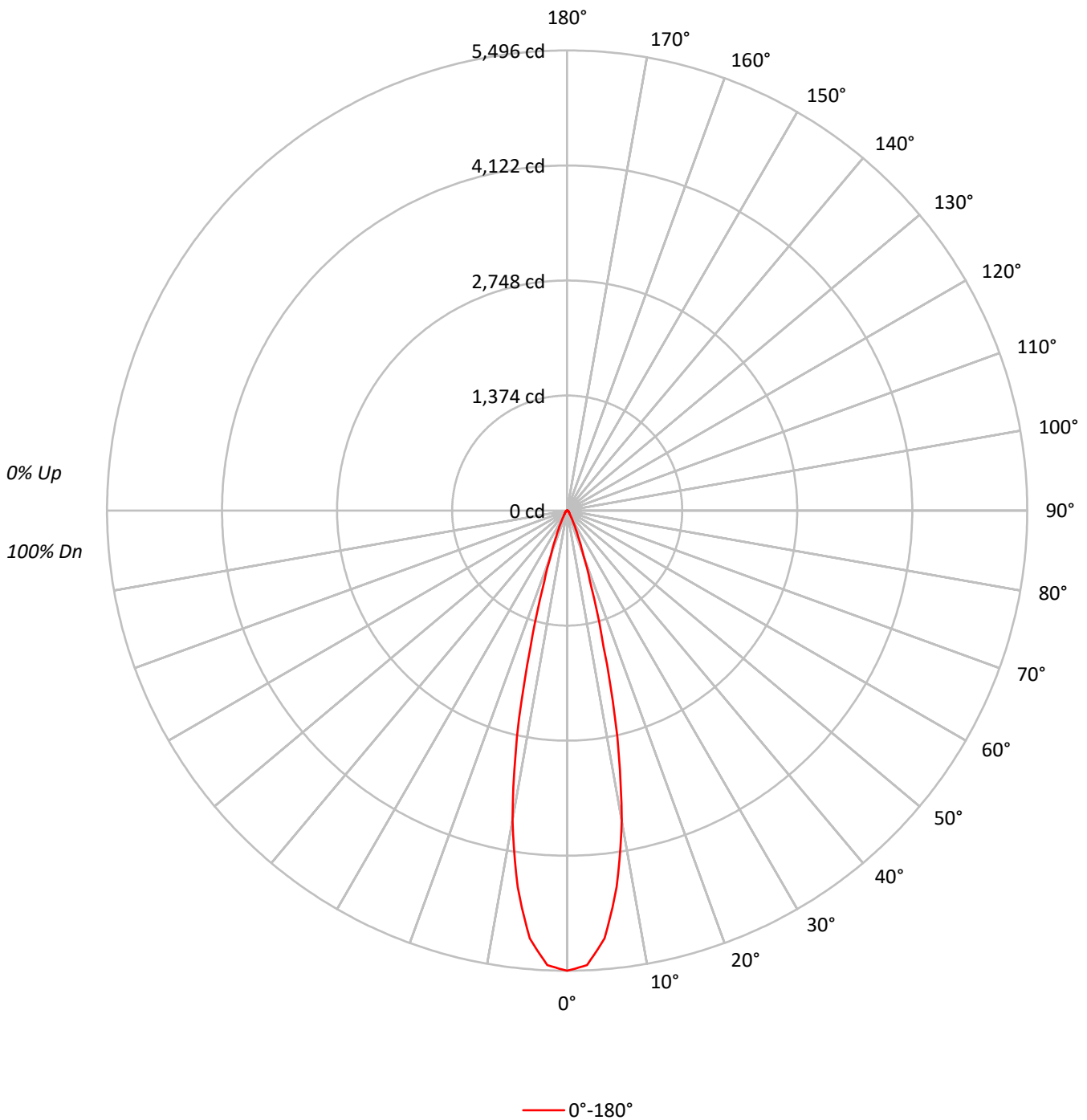
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	677858
5°	635155
10°	470608
15°	214990
20°	75160
25°	32391
30°	15553
35°	9200
40°	6634
45°	5739
50°	4414
55°	4753
60°	3947
65°	3298
70°	2200
75°	191
80°	1563
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.4	38.6
10°-20°	488.5	42.4
20°-30°	121.1	10.5
30°-40°	40.6	3.5
40°-50°	25.4	2.2
50°-60°	17.5	1.5
60°-70°	11.9	1.0
70°-80°	1.2	0.1
80°-90°	0.4	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
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0°-30°	1054.0	91.6
0°-40°	1094.6	95.1
0°-60°	1137.5	98.8
0°-90°	1151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1151.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5496	
5°	5130	444
15°	1684	488
25°	238	121
35°	61	41
45°	33	25
55°	22	17
65°	11	12
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5495.6
2.5°	5433.6
5°	5129.8
7.5°	4533.3
10°	3757.4
12.5°	2767.7
15°	1683.6
17.5°	960.6
20°	572.6
22.5°	362.0
25°	238.0
27.5°	157.4
30°	109.2
32.5°	80.6
35°	61.1
37.5°	46.8
40°	41.2
42.5°	34.2
45°	32.9
47.5°	32.5
50°	23.0
52.5°	24.3
55°	22.1
57.5°	12.6
60°	16.0
62.5°	15.2
65°	11.3
67.5°	10.8
70°	6.1
72.5°	0.0
75°	0.4
77.5°	0.0
80°	2.2
82.5°	0.0
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)