

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: P328470

Luminaire Tested: **L815MED20WF927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328470
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: L815MED20WF927MB
Description: Medium, 2000lm, 60D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1934.0 lumens
Efficiency: N/A
Efficacy: 78.3 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

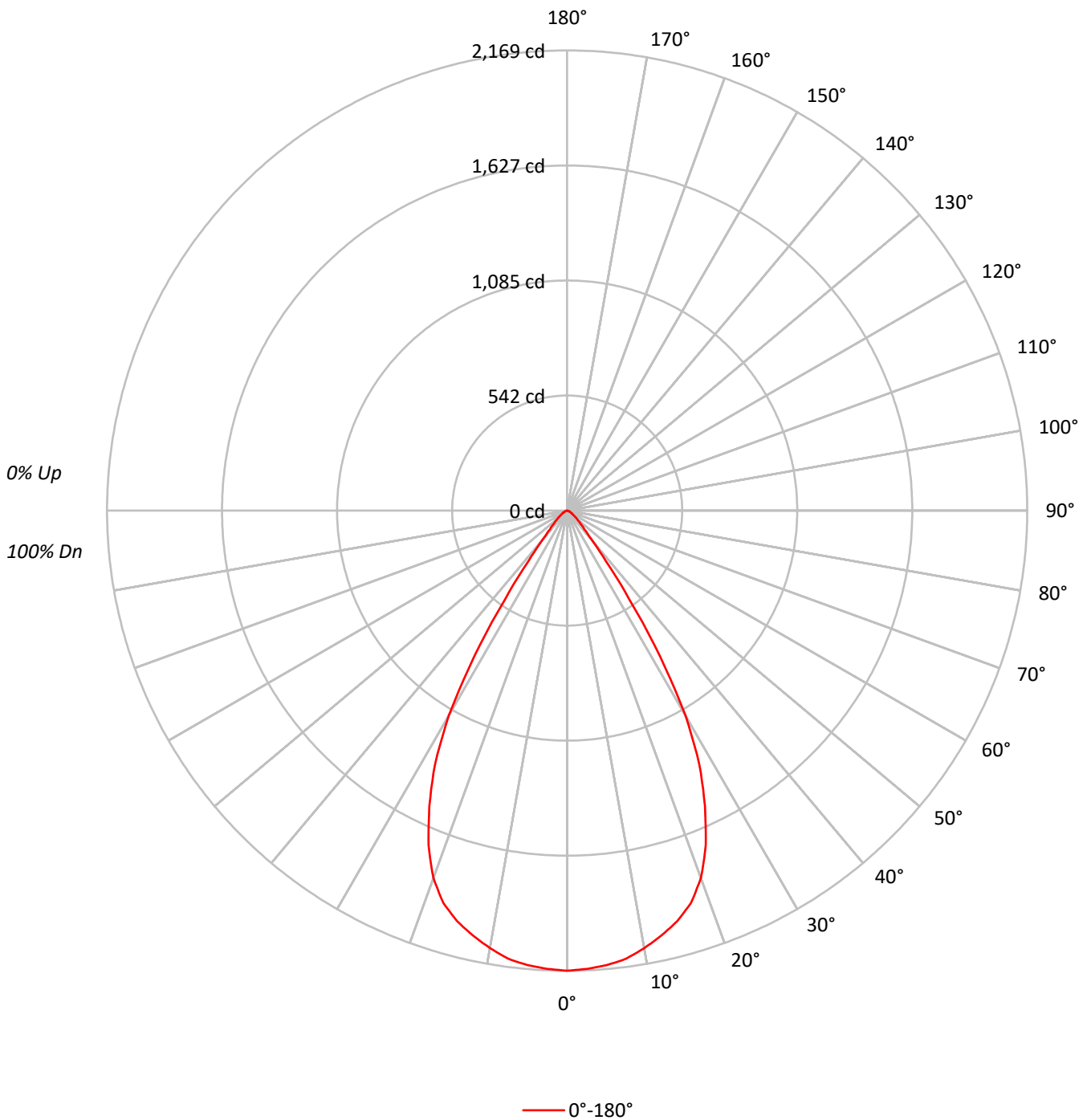
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	267537
5°	266293
10°	262295
15°	255828
20°	241928
25°	209086
30°	158707
35°	77231
40°	28886
45°	16240
50°	11418
55°	7548
60°	5649
65°	4670
70°	3570
75°	1811
80°	568
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	10.5
10°-20°	560.9	29.0
20°-30°	692.9	35.8
30°-40°	344.5	17.8
40°-50°	78.3	4.0
50°-60°	33.4	1.7
60°-70°	15.9	0.8
70°-80°	4.4	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°	1457.4	75.4
0°-40°	1801.9	93.2
0°-60°	1913.6	98.9
0°-90°	1934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1934.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2169	
5°	2151	204
15°	2003	561
25°	1536	693
35°	513	344
45°	93	78
55°	35	33
65°	16	16
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2169.0
2.5°	2162.1
5°	2150.7
7.5°	2130.8
10°	2094.2
12.5°	2052.2
15°	2003.4
17.5°	1940.0
20°	1843.1
22.5°	1707.3
25°	1536.3
27.5°	1350.1
30°	1114.3
32.5°	812.0
35°	512.9
37.5°	297.6
40°	179.4
42.5°	122.9
45°	93.1
47.5°	74.8
50°	59.5
52.5°	45.8
55°	35.1
57.5°	28.2
60°	22.9
62.5°	19.1
65°	16.0
67.5°	13.0
70°	9.9
72.5°	6.1
75°	3.8
77.5°	1.5
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)