

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: P328471

Luminaire Tested: **L815MED20WF930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328471
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: L815MED20WF930MB
Description: Medium, 2000lm, 60D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 83.4 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

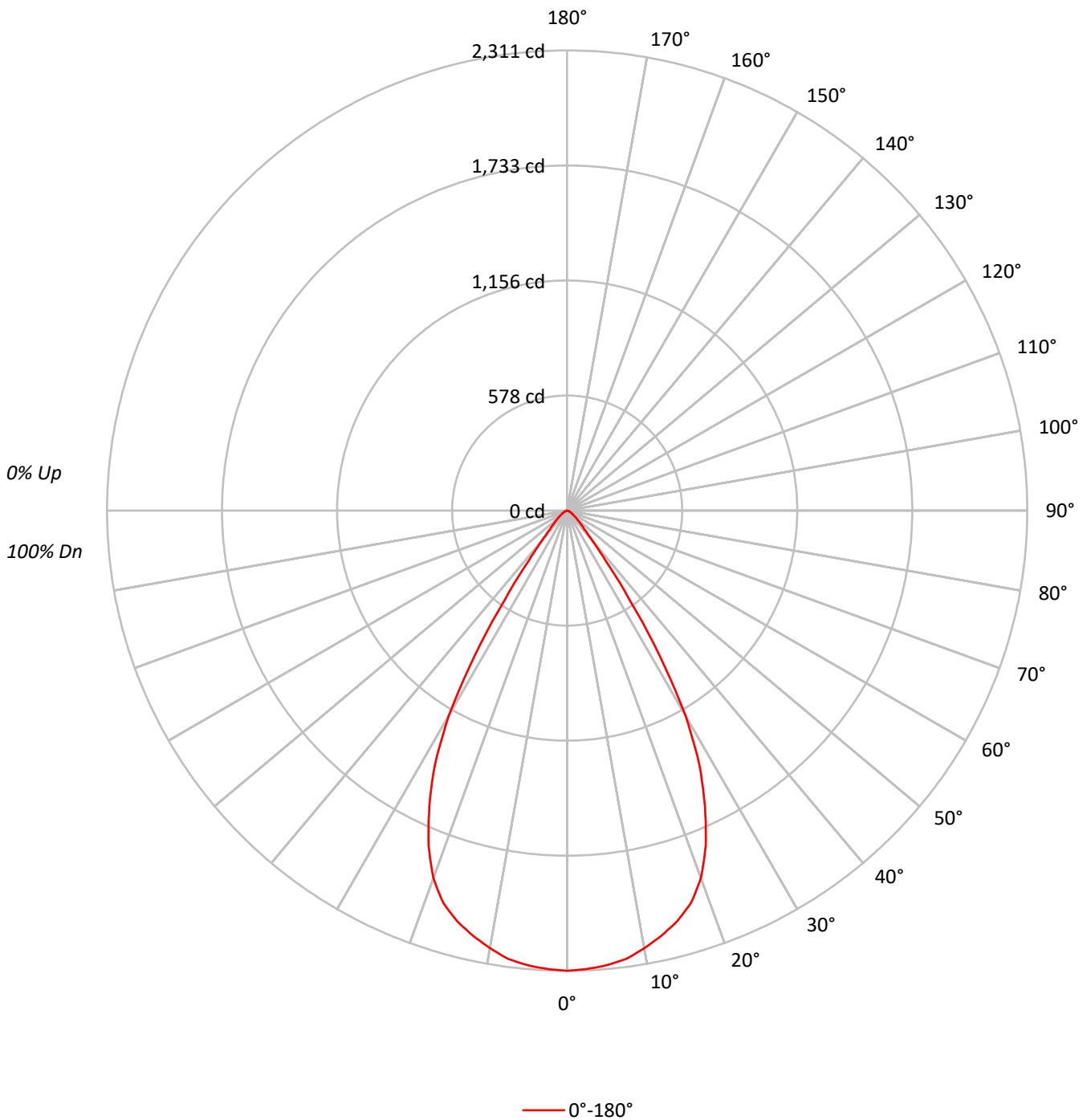
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	285101
5°	283776
10°	279517
15°	272620
20°	257824
25°	222818
30°	169118
35°	82290
40°	30770
45°	17304
50°	12166
55°	8043
60°	6019
65°	4991
70°	3823
75°	1954
80°	568
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	10.5
10°-20°	597.8	29.0
20°-30°	738.4	35.8
30°-40°	367.1	17.8
40°-50°	83.4	4.0
50°-60°	35.6	1.7
60°-70°	17.0	0.8
70°-80°	4.7	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°	1553.1	75.4
0°-40°	1920.2	93.2
0°-60°	2039.2	98.9
0°-90°	2061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2311	
5°	2292	217
15°	2135	598
25°	1637	738
35°	546	367
45°	99	83
55°	37	36
65°	17	17
75°	4	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2311.4
2.5°	2304.1
5°	2291.9
7.5°	2270.8
10°	2231.7
12.5°	2187.0
15°	2134.9
17.5°	2067.4
20°	1964.2
22.5°	1819.4
25°	1637.2
27.5°	1438.8
30°	1187.4
32.5°	865.4
35°	546.5
37.5°	317.2
40°	191.1
42.5°	130.9
45°	99.2
47.5°	79.7
50°	63.4
52.5°	48.8
55°	37.4
57.5°	30.1
60°	24.4
62.5°	20.3
65°	17.1
67.5°	13.8
70°	10.6
72.5°	6.5
75°	4.1
77.5°	1.6
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)