

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: P328459

Luminaire Tested: **L815MED20NF930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328459
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: L815MED20NF930MB
Description: Medium, 2000lm, 25D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2159.0 lumens
Efficiency: N/A
Efficacy: 87.4 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

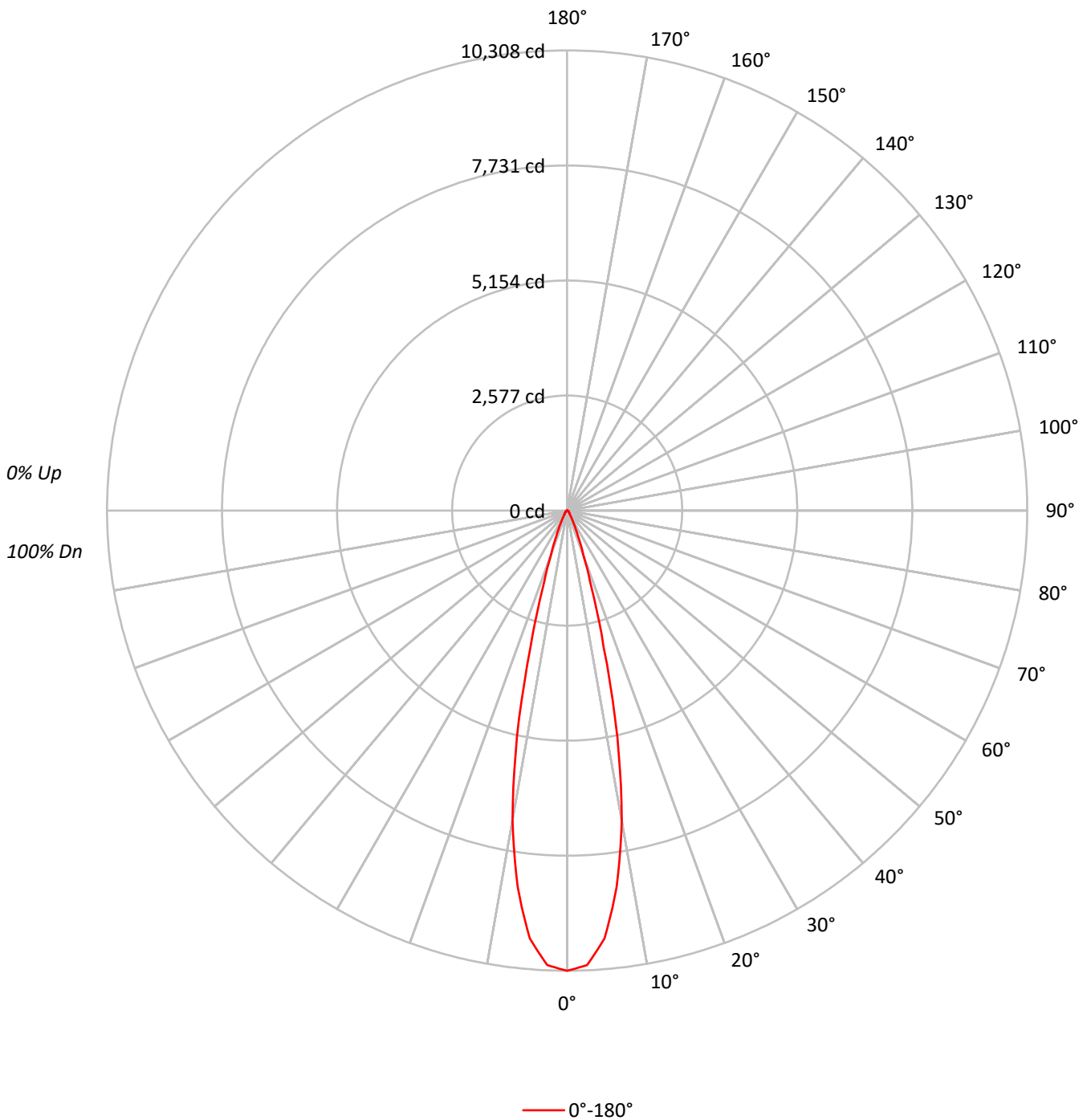
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1271508
5°	1191390
10°	882738
15°	403279
20°	140988
25°	60754
30°	29183
35°	17256
40°	12430
45°	10780
50°	8271
55°	8924
60°	7425
65°	6158
70°	4111
75°	381
80°	2912
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.7	38.6
10°-20°	916.3	42.4
20°-30°	227.1	10.5
30°-40°	76.1	3.5
40°-50°	47.6	2.2
50°-60°	32.8	1.5
60°-70°	22.4	1.0
70°-80°	2.2	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°	1977.1	91.6
0°-40°	2053.2	95.1
0°-60°	2133.6	98.8
0°-90°	2159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10308	
5°	9622	834
15°	3158	916
25°	446	227
35°	115	76
45°	62	48
55°	42	33
65°	21	22
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10308.5
2.5°	10192.2
5°	9622.2
7.5°	8503.4
10°	7047.9
12.5°	5191.6
15°	3158.1
17.5°	1801.8
20°	1074.1
22.5°	678.9
25°	446.4
27.5°	295.2
30°	204.9
32.5°	151.2
35°	114.6
37.5°	87.8
40°	77.2
42.5°	64.2
45°	61.8
47.5°	61.0
50°	43.1
52.5°	45.5
55°	41.5
57.5°	23.6
60°	30.1
62.5°	28.5
65°	21.1
67.5°	20.3
70°	11.4
72.5°	0.0
75°	0.8
77.5°	0.0
80°	4.1
82.5°	0.0
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)