

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: P328461

Luminaire Tested: **L815MED20NF940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328461
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: L815MED20NF940MB
Description: Medium, 2000lm, 25D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

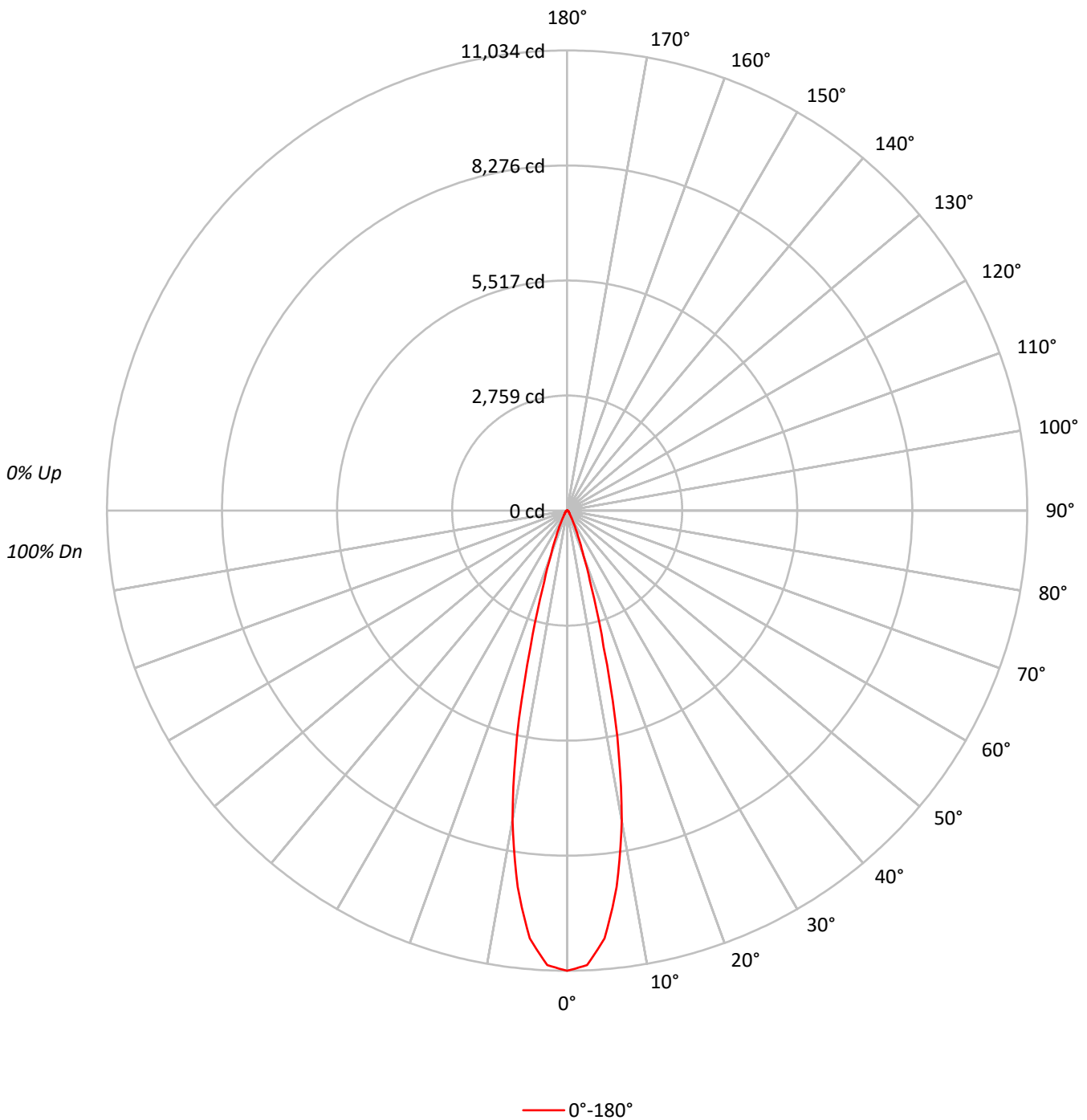
Lumens per Lamp: N/A
Luminaire Lumens: 2311.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.39
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1361020
5°	1275263
10°	944887
15°	431666
20°	150912
25°	65027
30°	31234
35°	18476
40°	13316
45°	11530
50°	8846
55°	9548
60°	7943
65°	6596
70°	4400
75°	429
80°	3125
85°	1274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	892.3	38.6
10°-20°	980.8	42.4
20°-30°	243.1	10.5
30°-40°	81.5	3.5
40°-50°	51.0	2.2
50°-60°	35.1	1.5
60°-70°	24.0	1.0
70°-80°	2.4	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°	2116.2	91.6
0°-40°	2197.7	95.1
0°-60°	2283.8	98.8
0°-90°	2311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2311.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11034	
5°	10300	892
15°	3380	981
25°	478	243
35°	123	82
45°	66	51
55°	44	35
65°	23	24
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11034.2
2.5°	10909.7
5°	10299.6
7.5°	9102.0
10°	7544.1
12.5°	5557.1
15°	3380.4
17.5°	1928.7
20°	1149.7
22.5°	726.7
25°	477.8
27.5°	315.9
30°	219.3
32.5°	161.9
35°	122.7
37.5°	94.0
40°	82.7
42.5°	68.8
45°	66.1
47.5°	65.3
50°	46.1
52.5°	48.7
55°	44.4
57.5°	25.2
60°	32.2
62.5°	30.5
65°	22.6
67.5°	21.8
70°	12.2
72.5°	0.0
75°	0.9
77.5°	0.0
80°	4.4
82.5°	0.0
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)