

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: P328441

Luminaire Tested: **L815MED10NP940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED10NP940MB
Description: Medium, 1000lm, 8D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

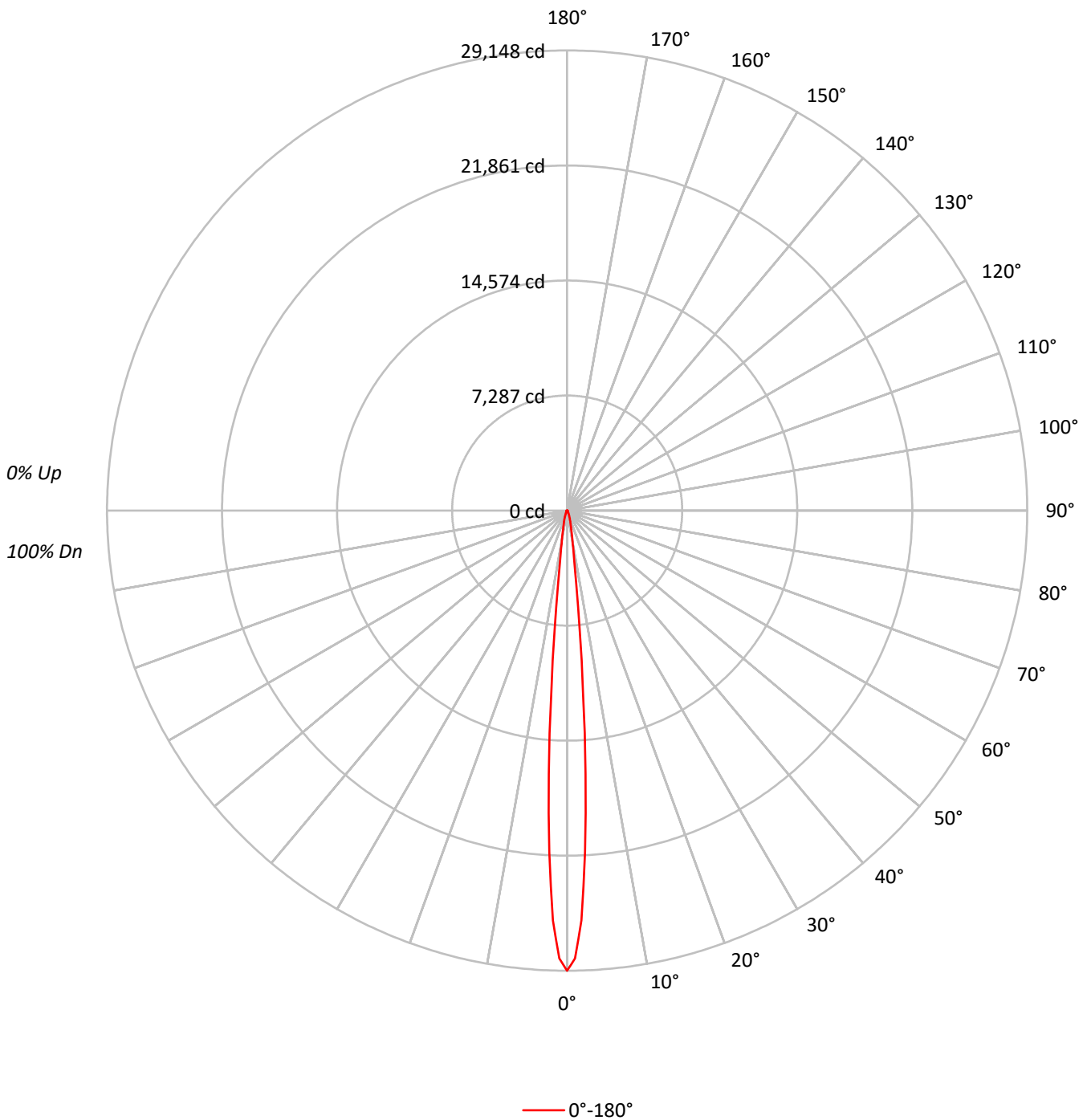
Lumens per Lamp: N/A
Luminaire Lumens: 1283.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	86	83	81	80
10	92	86	83	81	92	86	83	80	85	82	80	85	82	80	84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3595217
5°	1426047
10°	236594
15°	103498
20°	53568
25°	27151
30°	18345
35°	12874
40°	9548
45°	7954
50°	8309
55°	4903
60°	5057
65°	7647
70°	829
75°	9245
80°	6464
85°	9624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.7	61.3
10°-20°	239.3	18.7
20°-30°	101.6	7.9
30°-40°	53.1	4.1
40°-50°	38.6	3.0
50°-60°	27.2	2.1
60°-70°	19.0	1.5
70°-80°	11.8	0.9
80°-90°	5.6	0.4
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°	1127.7	87.9
0°-40°	1180.8	92.0
0°-60°	1246.6	97.2
0°-90°	1283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29148	
5°	11517	787
15°	810	239
25°	200	102
35°	86	53
45°	46	39
55°	23	27
65°	26	19
75°	19	12
85°	7	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	29147.5
1°	28371.2
2°	25971.5
3°	21678.2
4°	16742.0
5°	11517.4
6°	7534.3
7°	4711.6
8°	3211.4
9°	2397.4
10°	1889.0
11°	1559.5
12°	1293.9
13°	1096.7
14°	931.4
15°	810.5
17.5°	562.0
20°	408.1
22.5°	286.1
25°	199.5
27.5°	156.2
30°	128.8
32.5°	90.1
35°	85.5
37.5°	73.0
40°	59.3
42.5°	60.4
45°	45.6
47.5°	43.3
50°	43.3
52.5°	35.3
55°	22.8
57.5°	31.9
60°	20.5
62.5°	33.1
65°	26.2
67.5°	6.8
70°	2.3
72.5°	10.3
75°	19.4
77.5°	9.1
80°	9.1
82.5°	9.1
85°	6.8
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)