

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: P328439

Luminaire Tested: **L815MED10NP930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328439
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: L815MED10NP930MB
Description: Medium, 1000lm, 8D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

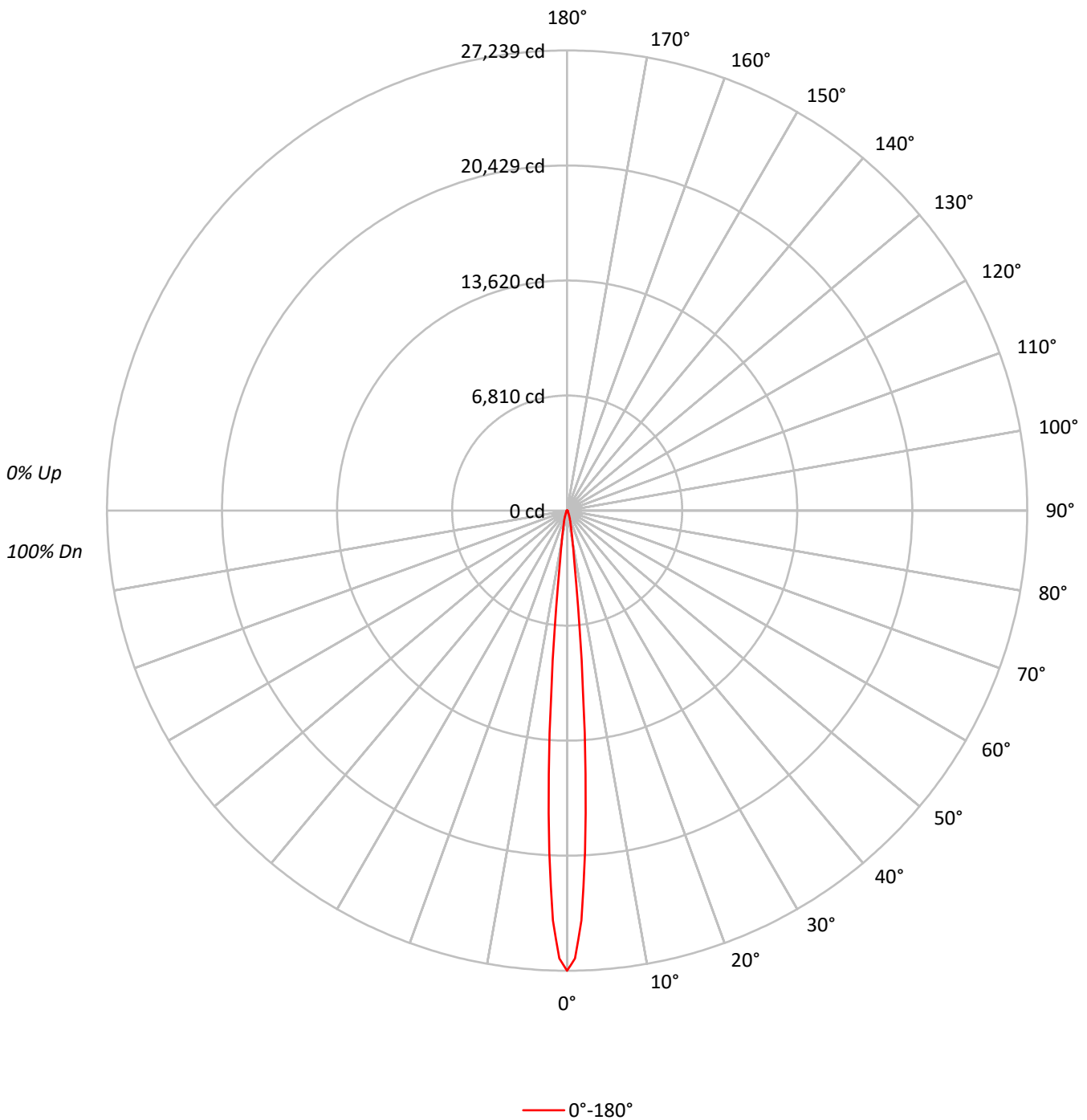
Lumens per Lamp: N/A
Luminaire Lumens: 1199.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	3359836
5°	1332677
10°	221101
15°	96730
20°	50063
25°	25368
30°	17148
35°	12031
40°	8920
45°	7431
50°	7772
55°	4580
60°	4736
65°	7151
70°	757
75°	8626
80°	6038
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.2	61.3
10°-20°	223.6	18.7
20°-30°	95.0	7.9
30°-40°	49.7	4.1
40°-50°	36.1	3.0
50°-60°	25.4	2.1
60°-70°	17.8	1.5
70°-80°	11.0	0.9
80°-90°	5.2	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°	1053.8	87.9
0°-40°	1103.5	92.0
0°-60°	1165.0	97.2
0°-90°	1199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27239	
5°	10763	735
15°	758	224
25°	186	95
35°	80	50
45°	43	36
55°	21	25
65°	24	18
75°	18	11
85°	6	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	27239.2
1°	26513.7
2°	24271.1
3°	20258.9
4°	15645.9
5°	10763.3
6°	7041.0
7°	4403.1
8°	3001.1
9°	2240.5
10°	1765.3
11°	1457.4
12°	1209.2
13°	1024.9
14°	870.4
15°	757.5
17.5°	525.2
20°	381.4
22.5°	267.4
25°	186.4
27.5°	146.0
30°	120.4
32.5°	84.2
35°	79.9
37.5°	68.2
40°	55.4
42.5°	56.5
45°	42.6
47.5°	40.5
50°	40.5
52.5°	33.0
55°	21.3
57.5°	29.8
60°	19.2
62.5°	30.9
65°	24.5
67.5°	6.4
70°	2.1
72.5°	9.6
75°	18.1
77.5°	8.5
80°	8.5
82.5°	8.5
85°	6.4
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)