

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: P328440

Luminaire Tested: **L815MED10NP935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328440
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: L815MED10NP935MB
Description: Medium, 1000lm, 8D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

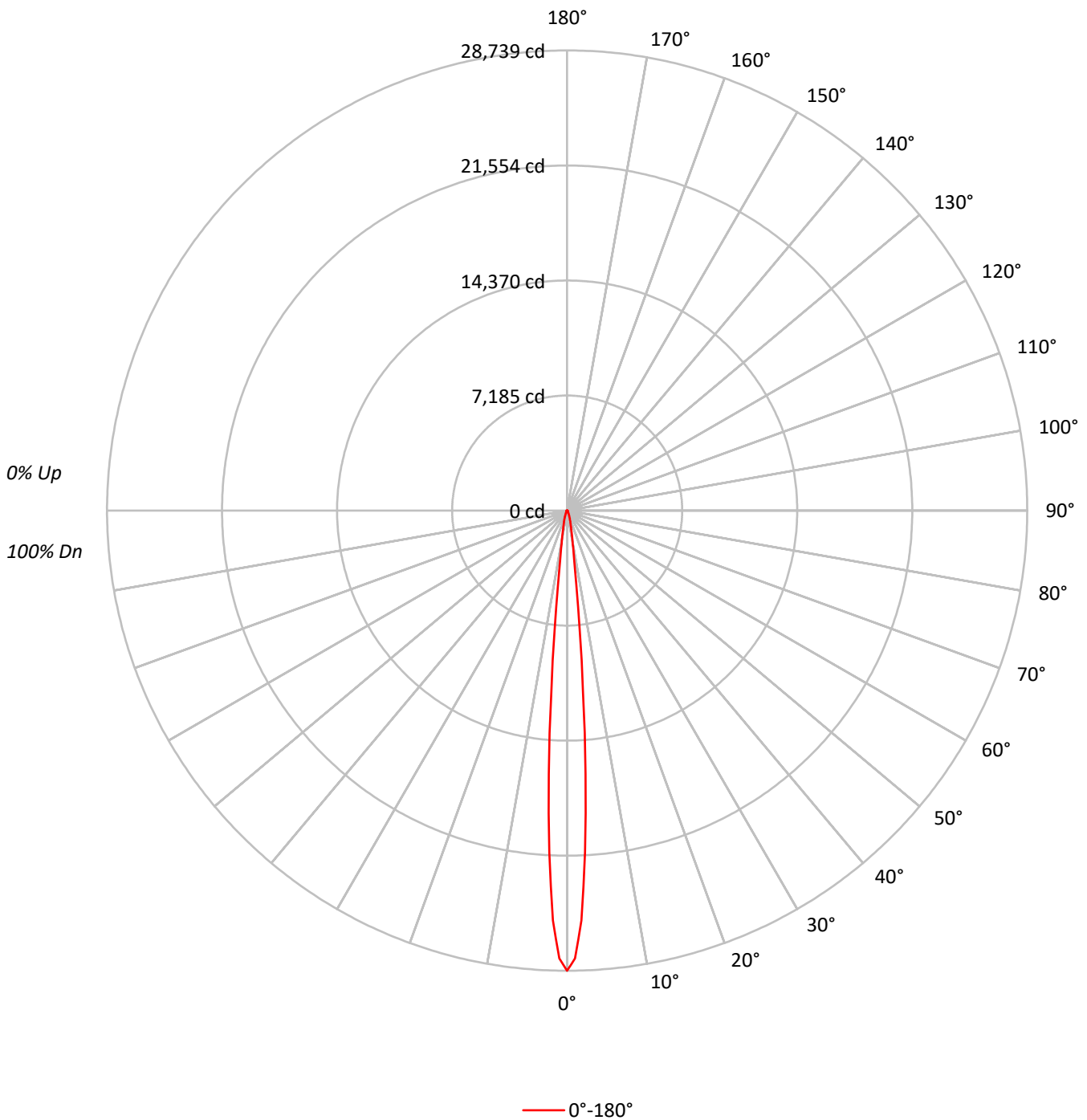
Lumens per Lamp: N/A
Luminaire Lumens: 1265.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	91
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°	3544781
5°	1406039
10°	233275
15°	102055
20°	52820
25°	26770
30°	18088
35°	12694
40°	9403
45°	7850
50°	8194
55°	4839
60°	4983
65°	7559
70°	793
75°	9103
80°	6393
85°	9482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.7	61.3
10°-20°	235.9	18.7
20°-30°	100.2	7.9
30°-40°	52.4	4.1
40°-50°	38.1	3.0
50°-60°	26.8	2.1
60°-70°	18.8	1.5
70°-80°	11.6	0.9
80°-90°	5.5	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°	1111.8	87.9
0°-40°	1164.2	92.0
0°-60°	1229.1	97.2
0°-90°	1265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28739	
5°	11356	776
15°	799	236
25°	197	100
35°	84	52
45°	45	38
55°	22	27
65°	26	19
75°	19	12
85°	7	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	28738.6
1°	27973.1
2°	25607.1
3°	21374.1
4°	16507.1
5°	11355.8
6°	7428.6
7°	4645.5
8°	3166.3
9°	2363.8
10°	1862.5
11°	1537.6
12°	1275.7
13°	1081.3
14°	918.3
15°	799.2
17.5°	554.1
20°	402.4
22.5°	282.1
25°	196.7
27.5°	154.0
30°	127.0
32.5°	88.8
35°	84.3
37.5°	71.9
40°	58.4
42.5°	59.6
45°	45.0
47.5°	42.7
50°	42.7
52.5°	34.8
55°	22.5
57.5°	31.5
60°	20.2
62.5°	32.6
65°	25.9
67.5°	6.7
70°	2.2
72.5°	10.1
75°	19.1
77.5°	9.0
80°	9.0
82.5°	9.0
85°	6.7
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)