

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: P328436

Luminaire Tested: **L815MED10NF935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328436
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: L815MED10NF935MB
Description: Medium, 1000lm, 25D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1294.0 lumens
Efficiency: N/A
Efficacy: 101.9 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

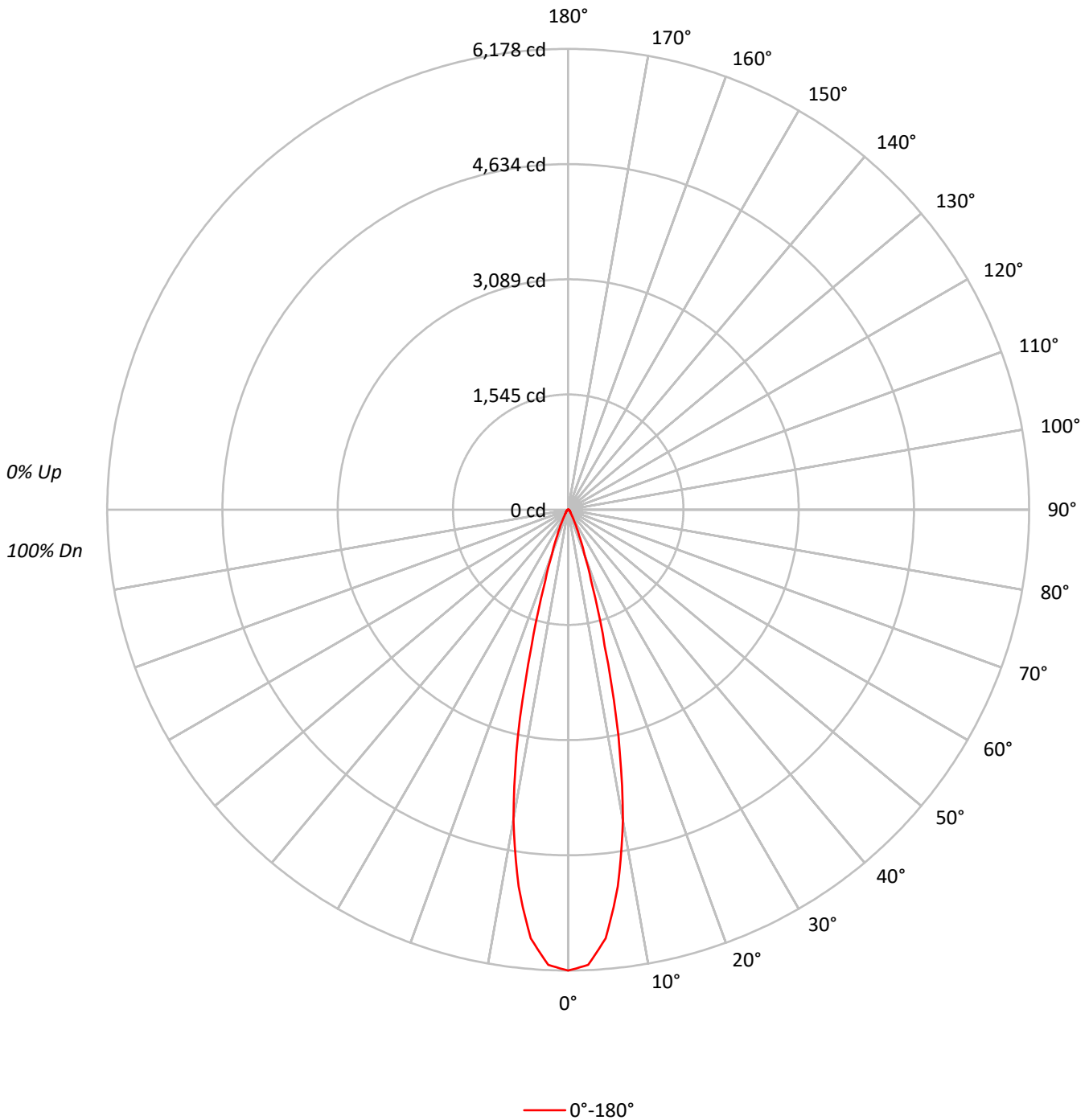
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	762079
5°	714064
10°	529074
15°	241704
20°	84506
25°	36406
30°	17490
35°	10345
40°	7455
45°	6454
50°	4951
55°	5355
60°	4440
65°	3707
70°	2452
75°	238
80°	1705
85°	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.7	38.6
10°-20°	549.2	42.4
20°-30°	136.1	10.5
30°-40°	45.6	3.5
40°-50°	28.5	2.2
50°-60°	19.7	1.5
60°-70°	13.4	1.0
70°-80°	1.3	0.1
80°-90°	0.5	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°	1184.9	91.6
0°-40°	1230.6	95.1
0°-60°	1278.7	98.8
0°-90°	1294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1294.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6178	
5°	5767	500
15°	1893	549
25°	268	136
35°	69	46
45°	37	29
55°	25	20
65°	13	13
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6178.4
2.5°	6108.7
5°	5767.1
7.5°	5096.5
10°	4224.2
12.5°	3111.6
15°	1892.8
17.5°	1079.9
20°	643.8
22.5°	406.9
25°	267.5
27.5°	176.9
30°	122.8
32.5°	90.6
35°	68.7
37.5°	52.6
40°	46.3
42.5°	38.5
45°	37.0
47.5°	36.5
50°	25.8
52.5°	27.3
55°	24.9
57.5°	14.1
60°	18.0
62.5°	17.1
65°	12.7
67.5°	12.2
70°	6.8
72.5°	0.0
75°	0.5
77.5°	0.0
80°	2.4
82.5°	0.0
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)