

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: P328448

Luminaire Tested: **L815MED10WF935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED10WF935MB
Description: Medium, 1000lm, 60D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1235.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.88
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

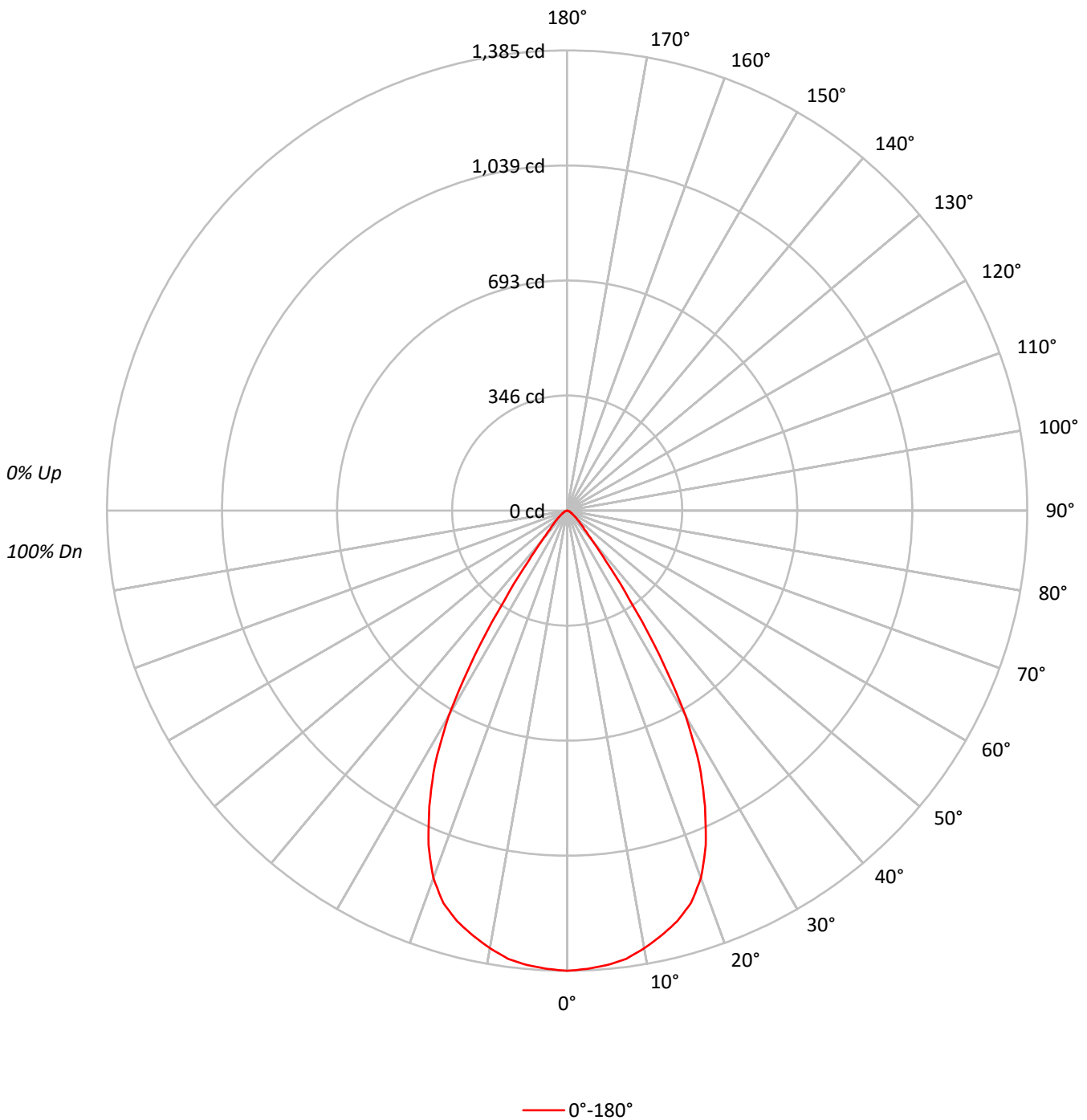
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79		85	81	78		83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	65	73	68	64		72	67	64		71	67	63	62
8	80	71	65	61	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57		64	60	56		64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53		61	57	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170846
5°	170050
10°	167495
15°	163363
20°	154495
25°	133511
30°	101337
35°	49314
40°	18436
45°	10379
50°	7292
55°	4817
60°	3602
65°	2977
70°	2272
75°	1144
80°	355
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	10.5
10°-20°	358.2	29.0
20°-30°	442.4	35.8
30°-40°	220.0	17.8
40°-50°	50.0	4.0
50°-60°	21.3	1.7
60°-70°	10.2	0.8
70°-80°	2.8	0.2
80°-90°	0.1	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°	930.7	75.4
0°-40°	1150.6	93.2
0°-60°	1221.9	98.9
0°-90°	1235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1235.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1385	
5°	1373	130
15°	1279	358
25°	981	442
35°	328	220
45°	60	50
55°	22	21
65°	10	10
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1385.1
2.5°	1380.7
5°	1373.4
7.5°	1360.7
10°	1337.3
12.5°	1310.5
15°	1279.3
17.5°	1238.9
20°	1177.0
22.5°	1090.2
25°	981.0
27.5°	862.1
30°	711.5
32.5°	518.5
35°	327.5
37.5°	190.1
40°	114.5
42.5°	78.5
45°	59.5
47.5°	47.8
50°	38.0
52.5°	29.2
55°	22.4
57.5°	18.0
60°	14.6
62.5°	12.2
65°	10.2
67.5°	8.3
70°	6.3
72.5°	3.9
75°	2.4
77.5°	1.0
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)