

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: P328446

Luminaire Tested: **L815MED10WF927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328446
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: L815MED10WF927MB
Description: Medium, 1000lm, 60D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

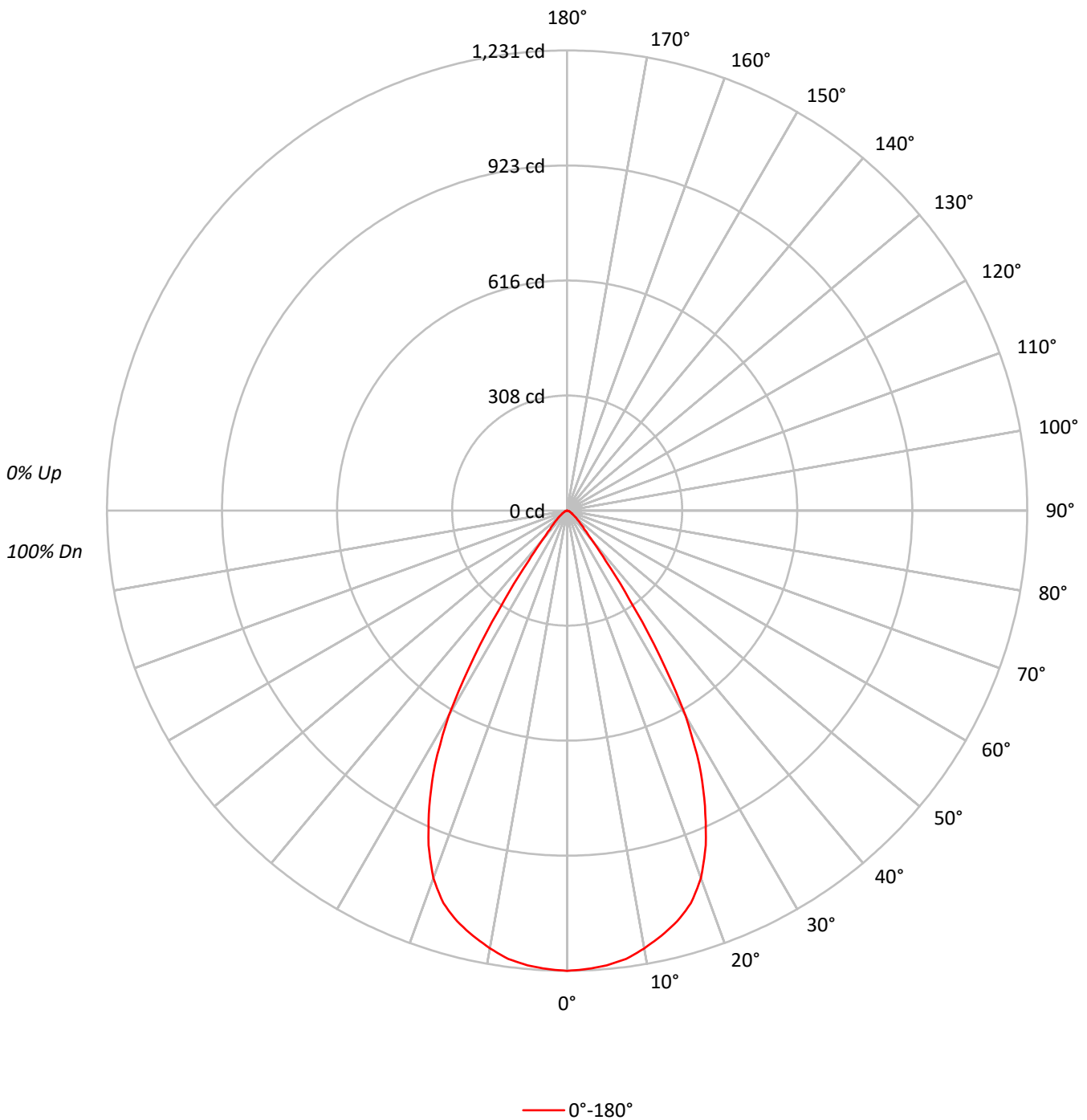
Lumens per Lamp: N/A
Luminaire Lumens: 1098.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.88
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	151888
5°	151180
10°	148920
15°	145242
20°	137352
25°	118704
30°	90099
35°	43848
40°	16391
45°	9228
50°	6486
55°	4279
60°	3207
65°	2656
70°	2020
75°	1048
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	10.5
10°-20°	318.5	29.0
20°-30°	393.4	35.8
30°-40°	195.6	17.8
40°-50°	44.4	4.0
50°-60°	19.0	1.7
60°-70°	9.0	0.8
70°-80°	2.5	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°	827.4	75.4
0°-40°	1023.0	93.2
0°-60°	1086.4	98.9
0°-90°	1098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1098.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1231	
5°	1221	116
15°	1137	318
25°	872	393
35°	291	196
45°	53	44
55°	20	19
65°	9	9
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1231.4
2.5°	1227.5
5°	1221.0
7.5°	1209.8
10°	1189.0
12.5°	1165.1
15°	1137.4
17.5°	1101.4
20°	1046.4
22.5°	969.3
25°	872.2
27.5°	766.5
30°	632.6
32.5°	461.0
35°	291.2
37.5°	169.0
40°	101.8
42.5°	69.8
45°	52.9
47.5°	42.5
50°	33.8
52.5°	26.0
55°	19.9
57.5°	16.0
60°	13.0
62.5°	10.8
65°	9.1
67.5°	7.4
70°	5.6
72.5°	3.5
75°	2.2
77.5°	0.9
80°	0.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)