

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: P328447

Luminaire Tested: **L815MED10WF930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328447
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: L815MED10WF930MB
Description: Medium, 1000lm, 60D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

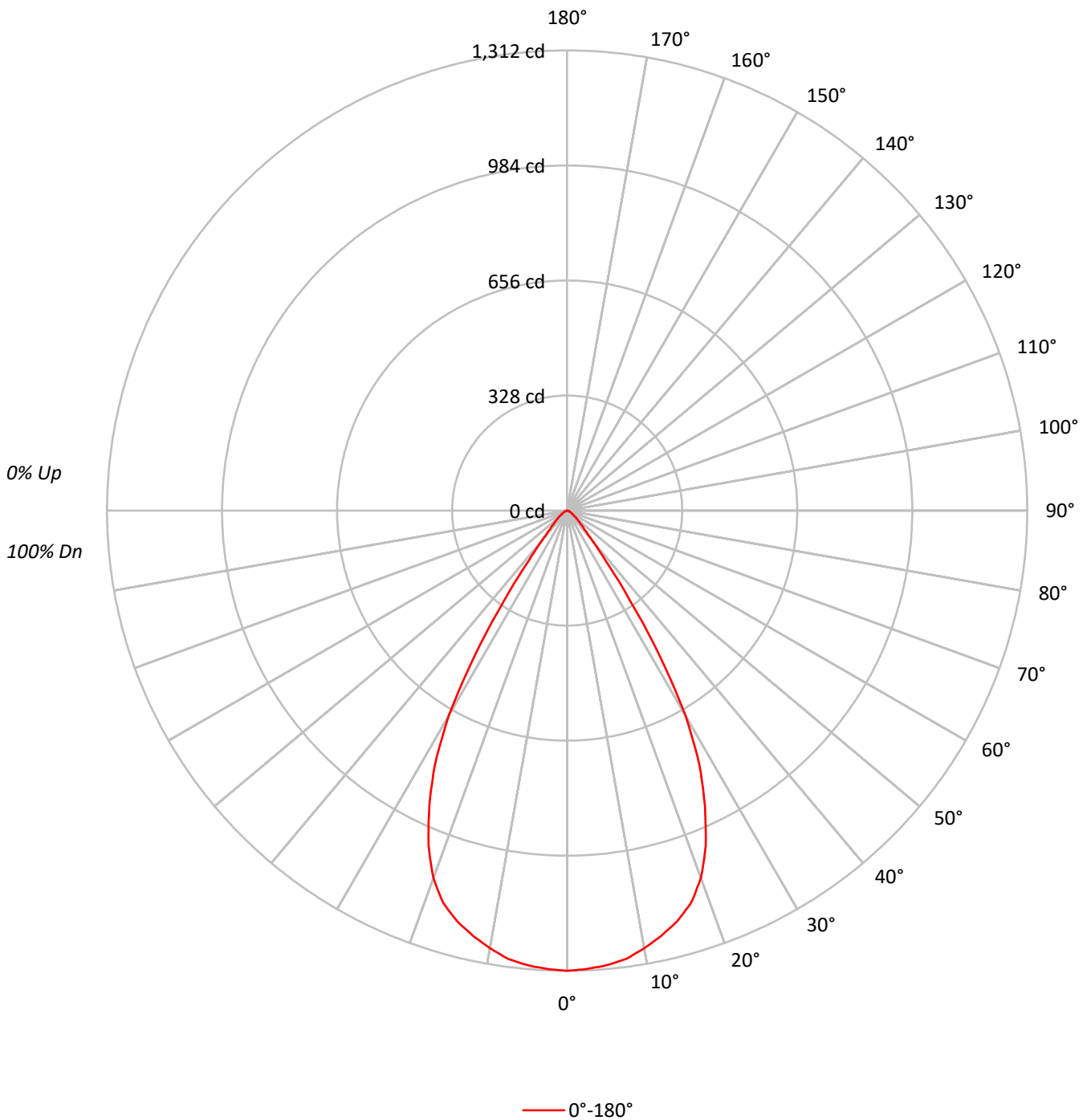
Lumens per Lamp: N/A
Luminaire Lumens: 1170.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.88
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	161854
5°	161098
10°	158677
15°	154769
20°	146357
25°	126488
30°	96010
35°	46724
40°	17470
45°	9821
50°	6908
55°	4559
60°	3429
65°	2831
70°	2164
75°	1096
80°	355
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	10.5
10°-20°	339.3	29.0
20°-30°	419.2	35.8
30°-40°	208.4	17.8
40°-50°	47.3	4.0
50°-60°	20.2	1.7
60°-70°	9.6	0.8
70°-80°	2.7	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°	881.7	75.4
0°-40°	1090.1	93.2
0°-60°	1157.6	98.9
0°-90°	1170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1170.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1312	
5°	1301	123
15°	1212	339
25°	929	419
35°	310	208
45°	56	47
55°	21	20
65°	10	10
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1312.2
2.5°	1308.0
5°	1301.1
7.5°	1289.1
10°	1266.9
12.5°	1241.5
15°	1212.0
17.5°	1173.7
20°	1115.0
22.5°	1032.8
25°	929.4
27.5°	816.8
30°	674.1
32.5°	491.3
35°	310.3
37.5°	180.1
40°	108.5
42.5°	74.3
45°	56.3
47.5°	45.2
50°	36.0
52.5°	27.7
55°	21.2
57.5°	17.1
60°	13.9
62.5°	11.5
65°	9.7
67.5°	7.8
70°	6.0
72.5°	3.7
75°	2.3
77.5°	0.9
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)