

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: P328443

Luminaire Tested: **L815MED10SP930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED10SP930MB
Description: Medium, 1000lm, 15D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1197.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.26
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

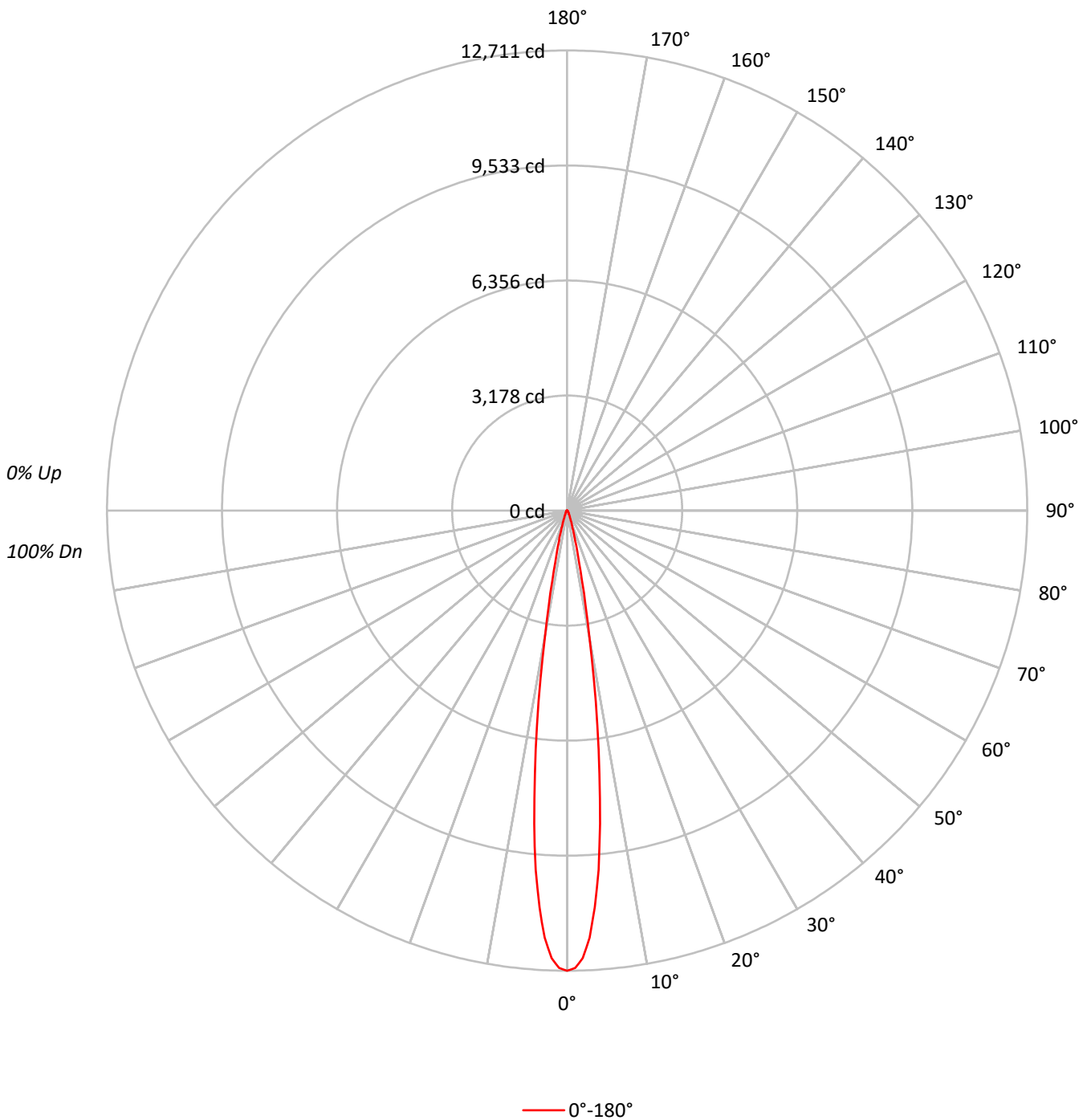
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	99	97	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89
6	101	96	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	87
7	99	94	90	88	98	93	90	88	92	89	87	91	89	87	90	88	86	85
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84
9	96	90	87	84	95	90	87	84	89	86	84	88	86	84	88	85	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1567846
5°	1233525
10°	444143
15°	111390
20°	39930
25°	19598
30°	11636
35°	8764
40°	7729
45°	5634
50°	4605
55°	4473
60°	3996
65°	3240
70°	1839
75°	2431
80°	994
85°	3255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.1	60.7
10°-20°	301.9	25.2
20°-30°	71.4	6.0
30°-40°	38.8	3.2
40°-50°	27.8	2.3
50°-60°	18.6	1.6
60°-70°	7.5	0.6
70°-80°	3.2	0.3
80°-90°	1.8	0.2
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°	1099.4	91.8
0°-40°	1138.2	95.1
0°-60°	1184.5	99.0
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12711	
5°	9962	726
15°	872	302
25°	144	71
35°	58	39
45°	32	28
55°	21	19
65°	11	7
75°	5	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12711.0
1°	12637.6
2°	12374.1
3°	11809.2
4°	10981.6
5°	9962.5
6°	8696.5
7°	7318.8
8°	5998.7
9°	4682.9
10°	3546.1
11°	2664.5
12°	1971.7
13°	1477.9
14°	1117.9
15°	872.3
17.5°	495.7
20°	304.2
22.5°	202.2
25°	144.0
27.5°	102.9
30°	81.7
32.5°	71.5
35°	58.2
37.5°	54.9
40°	48.0
42.5°	42.0
45°	32.3
47.5°	34.2
50°	24.0
52.5°	23.5
55°	20.8
57.5°	18.9
60°	16.2
62.5°	7.8
65°	11.1
67.5°	0.9
70°	5.1
72.5°	3.2
75°	5.1
77.5°	0.5
80°	1.4
82.5°	2.3
85°	2.3
87.5°	1.4



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)