

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: P328445

Luminaire Tested: **L815MED10SP940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328445
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: L815MED10SP940MB
Description: Medium, 1000lm, 15D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1282.0 lumens
Efficiency: N/A
Efficacy: 100.9 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

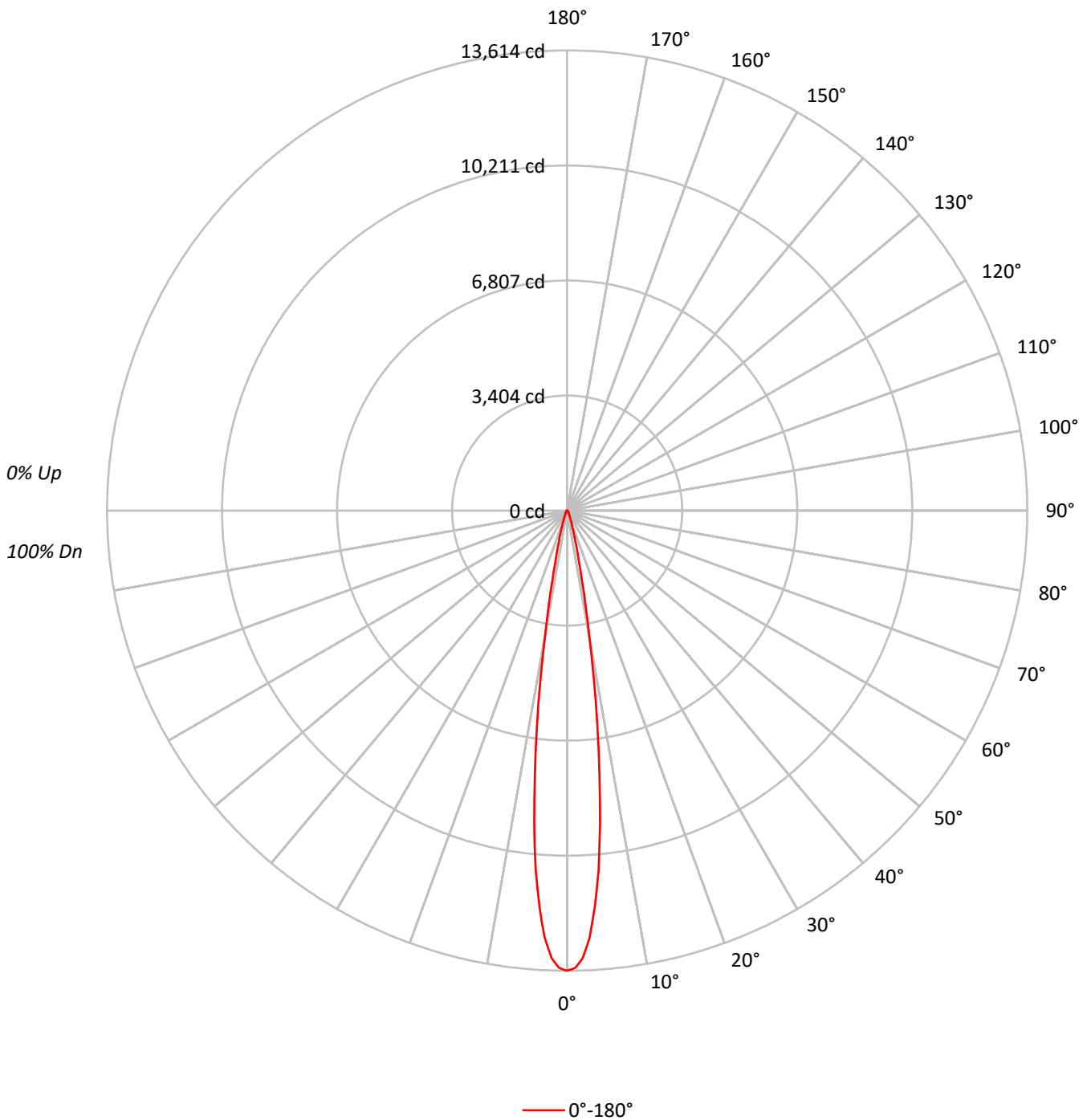
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1679178
5°	1321113
10°	475681
15°	119307
20°	42765
25°	20986
30°	12462
35°	9381
40°	8276
45°	6036
50°	4932
55°	4774
60°	4268
65°	3473
70°	1947
75°	2573
80°	1065
85°	3538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.6	60.7
10°-20°	323.4	25.2
20°-30°	76.5	6.0
30°-40°	41.5	3.2
40°-50°	29.7	2.3
50°-60°	19.9	1.6
60°-70°	8.0	0.6
70°-80°	3.4	0.3
80°-90°	2.0	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°	1177.5	91.8
0°-40°	1219.0	95.1
0°-60°	1268.6	99.0
0°-90°	1282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1282.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13614	
5°	10670	778
15°	934	323
25°	154	76
35°	62	42
45°	35	30
55°	22	20
65°	12	8
75°	5	3
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13613.6
1°	13535.0
2°	13252.8
3°	12647.7
4°	11761.4
5°	10669.9
6°	9314.0
7°	7838.5
8°	6424.7
9°	5015.4
10°	3797.9
11°	2853.7
12°	2111.7
13°	1582.8
14°	1197.2
15°	934.3
17.5°	530.9
20°	325.8
22.5°	216.5
25°	154.2
27.5°	110.2
30°	87.5
32.5°	76.6
35°	62.3
37.5°	58.8
40°	51.4
42.5°	45.0
45°	34.6
47.5°	36.6
50°	25.7
52.5°	25.2
55°	22.2
57.5°	20.3
60°	17.3
62.5°	8.4
65°	11.9
67.5°	1.0
70°	5.4
72.5°	3.5
75°	5.4
77.5°	0.5
80°	1.5
82.5°	2.5
85°	2.5
87.5°	1.5



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)