

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: P328493

Luminaire Tested: **L815MED30SP940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328493
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: L815MED3OSP940MB
Description: Medium, 3000lm, 15D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2958.0 lumens
Efficiency: N/A
Efficacy: 78.5 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

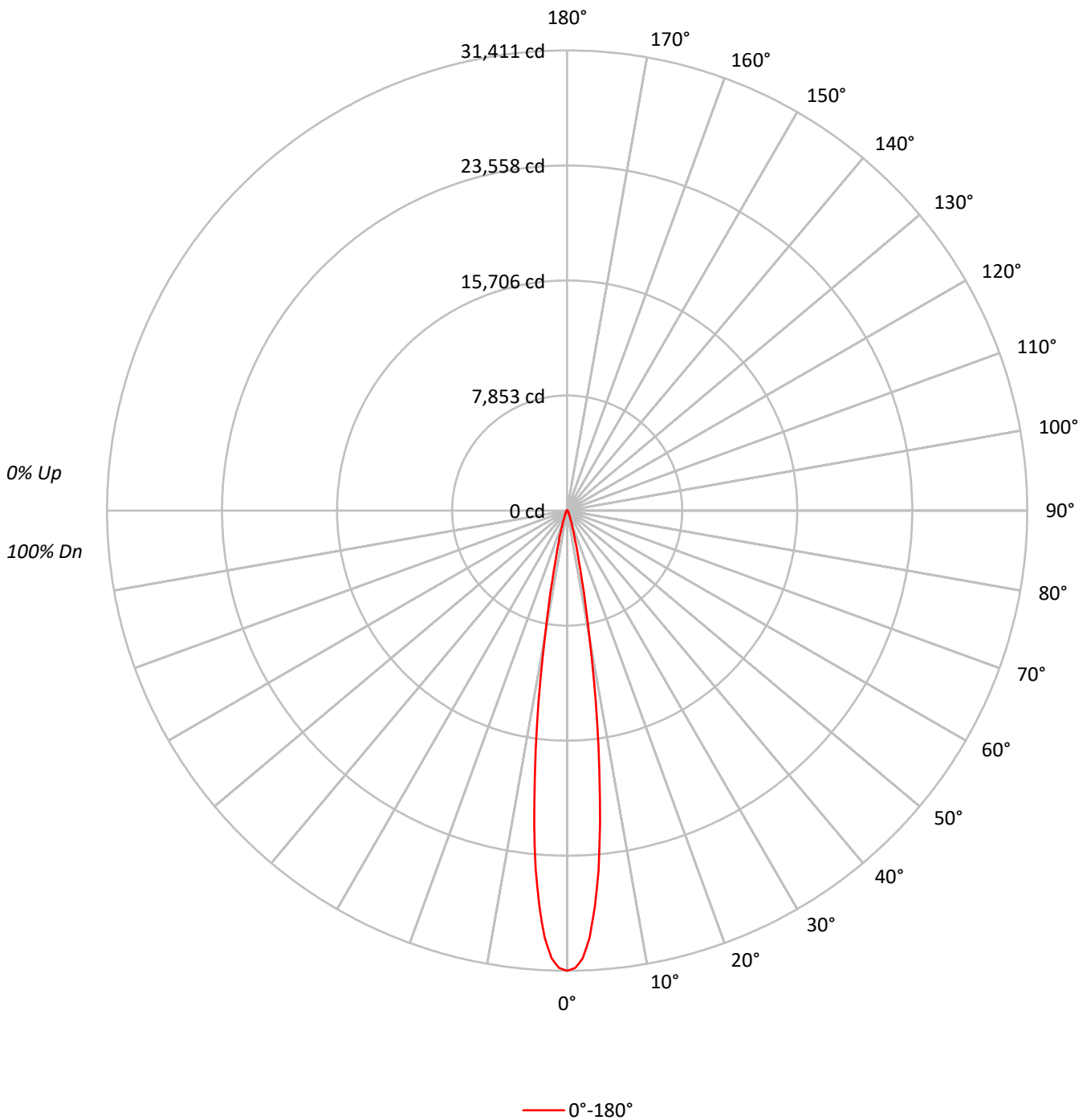
Input Watts (W): 37.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3874434
5°	3048258
10°	1097552
15°	275276
20°	98656
25°	48437
30°	28756
35°	21638
40°	19097
45°	13920
50°	11379
55°	11032
60°	9843
65°	7997
70°	4508
75°	5957
80°	2415
85°	8067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1794.2	60.7
10°-20°	746.1	25.2
20°-30°	176.5	6.0
30°-40°	95.8	3.2
40°-50°	68.6	2.3
50°-60°	46.0	1.6
60°-70°	18.5	0.6
70°-80°	7.8	0.3
80°-90°	4.5	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°	2716.8	91.8
0°-40°	2812.6	95.1
0°-60°	2927.2	99.0
0°-90°	2958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2958.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31411	
5°	24619	###
15°	2156	746
25°	356	176
35°	144	96
45°	80	69
55°	51	46
65°	27	18
75°	12	8
85°	6	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	31411.2
1°	31229.8
2°	30578.6
3°	29182.5
4°	27137.5
5°	24619.1
6°	21490.5
7°	18085.9
8°	14823.9
9°	11572.2
10°	8763.0
11°	6584.5
12°	4872.5
13°	3652.1
14°	2762.4
15°	2155.7
17.5°	1225.0
20°	751.6
22.5°	499.6
25°	355.9
27.5°	254.3
30°	201.9
32.5°	176.8
35°	143.7
37.5°	135.7
40°	118.6
42.5°	103.8
45°	79.8
47.5°	84.4
50°	59.3
52.5°	58.2
55°	51.3
57.5°	46.8
60°	39.9
62.5°	19.4
65°	27.4
67.5°	2.3
70°	12.5
72.5°	8.0
75°	12.5
77.5°	1.1
80°	3.4
82.5°	5.7
85°	5.7
87.5°	3.4



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)