

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: P328444

Luminaire Tested: **L815MED10SP935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328444  
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: L815MED10SP935MB  
Description: Medium, 1000lm, 15D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1264.1 lumens  
Efficiency: N/A  
Efficacy: 99.5 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

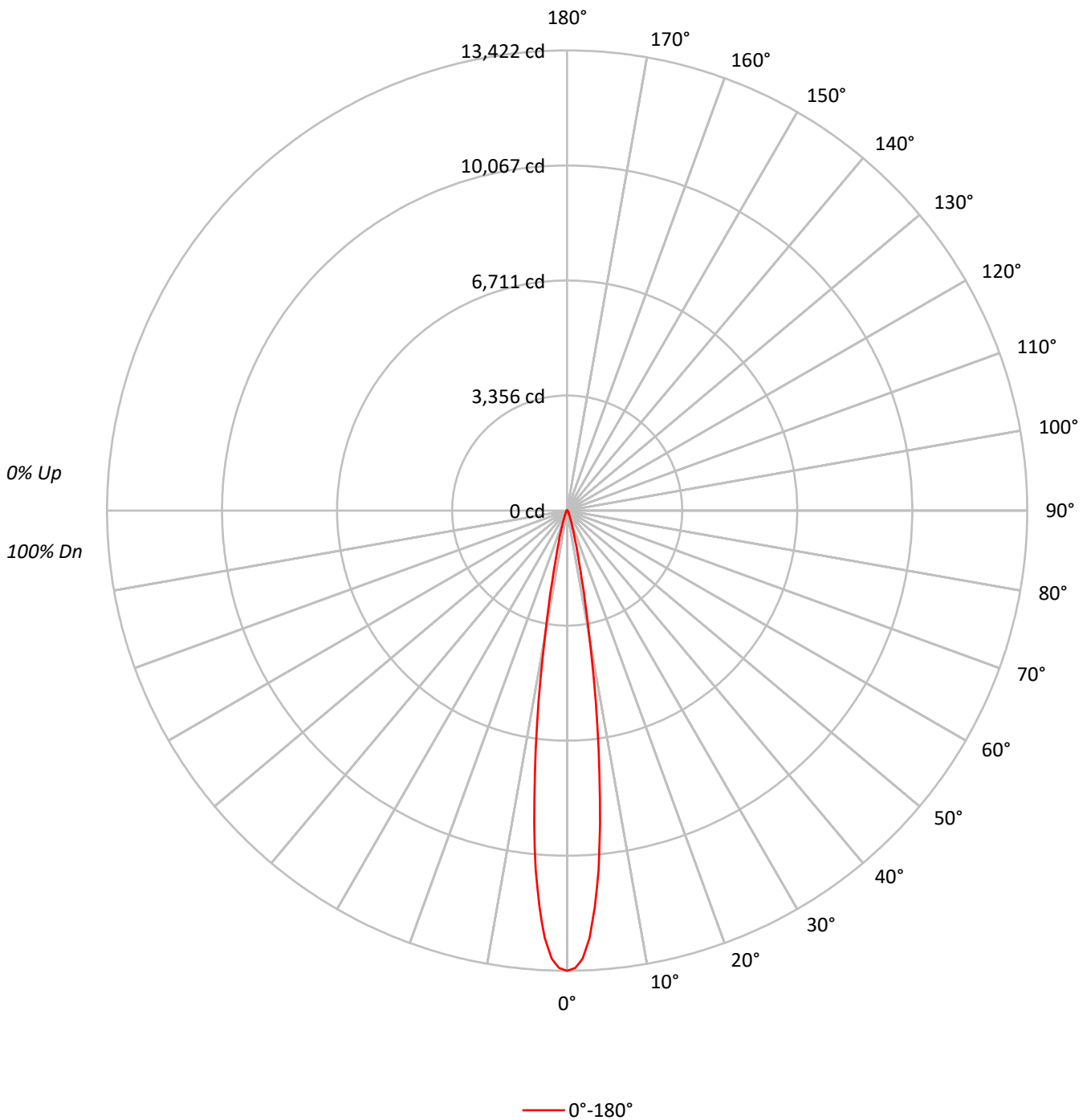
Input Watts (W): 12.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	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°	1655607
5°	1302565
10°	469005
15°	117634
20°	42161
25°	20700
30°	12291
35°	9245
40°	8164
45°	5948
50°	4855
55°	4710
60°	4218
65°	3415
70°	1947
75°	2573
80°	1065
85°	3397



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	766.7	60.7
10°-20°	318.8	25.2
20°-30°	75.4	6.0
30°-40°	40.9	3.2
40°-50°	29.3	2.3
50°-60°	19.7	1.6
60°-70°	7.9	0.6
70°-80°	3.4	0.3
80°-90°	1.9	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°	1161.0	91.8
0°-40°	1201.9	95.1
0°-60°	1250.9	99.0
0°-90°	1264.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13422	
5°	10520	767
15°	921	319
25°	152	75
35°	61	41
45°	34	29
55°	22	20
65°	12	8
75°	5	3
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13422.5
1°	13345.0
2°	13066.7
3°	12470.1
4°	11596.3
5°	10520.1
6°	9183.2
7°	7728.4
8°	6334.5
9°	4945.0
10°	3744.6
11°	2813.7
12°	2082.1
13°	1560.6
14°	1180.4
15°	921.2
17.5°	523.4
20°	321.2
22.5°	213.5
25°	152.1
27.5°	108.7
30°	86.3
32.5°	75.5
35°	61.4
37.5°	58.0
40°	50.7
42.5°	44.4
45°	34.1
47.5°	36.1
50°	25.3
52.5°	24.9
55°	21.9
57.5°	20.0
60°	17.1
62.5°	8.3
65°	11.7
67.5°	1.0
70°	5.4
72.5°	3.4
75°	5.4
77.5°	0.5
80°	1.5
82.5°	2.4
85°	2.4
87.5°	1.5



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)