

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: P328467

Luminaire Tested: **L815MED20SP930MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328467  
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: L815MED2OSP930MB  
Description: Medium, 2000lm, 15D, 3000K, black finish  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2109.0 lumens  
Efficiency: N/A  
Efficacy: 85.4 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

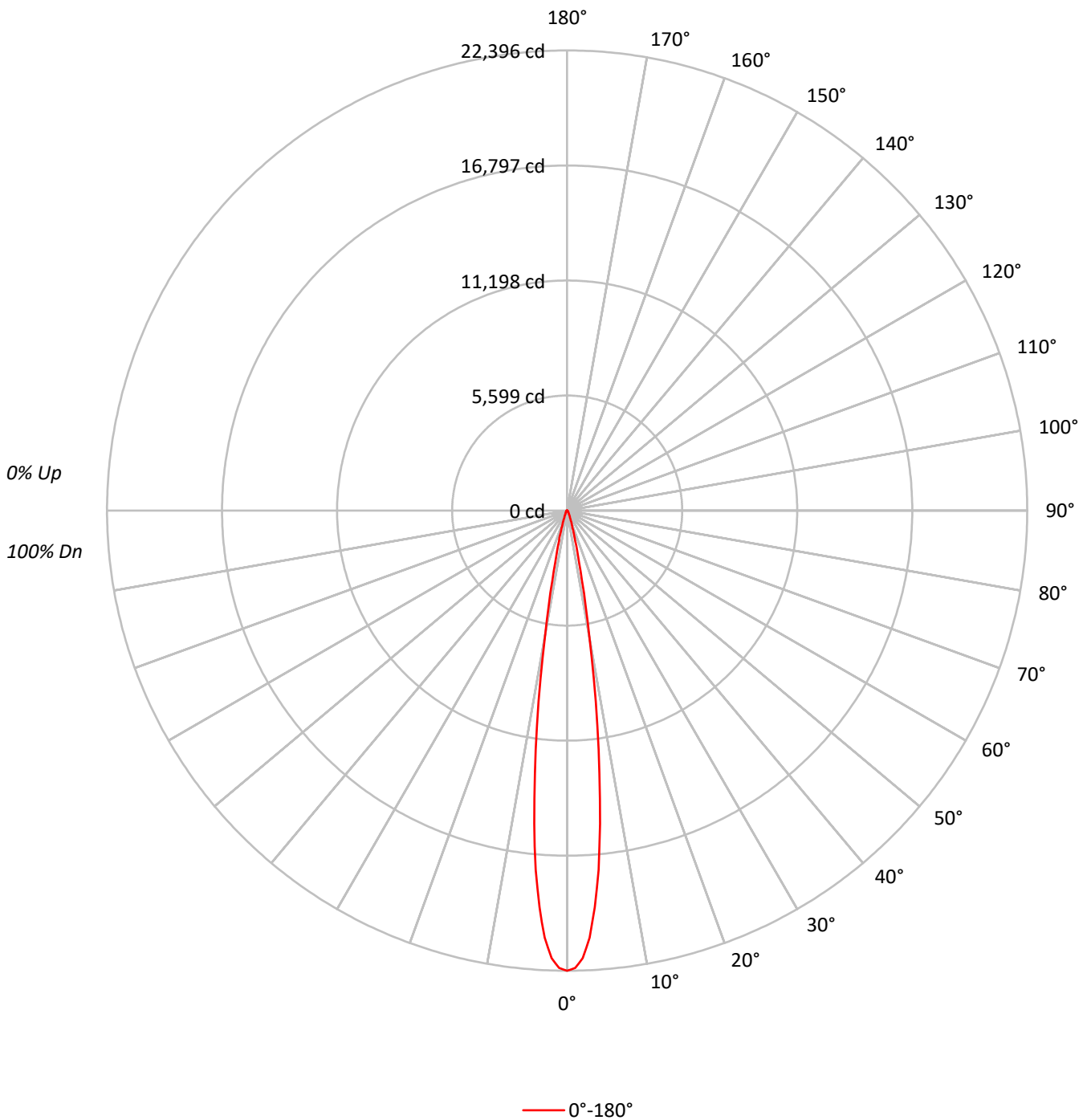
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2762399
5°	2173356
10°	782527
15°	196270
20°	70343
25°	34528
30°	20495
35°	15434
40°	13622
45°	9925
50°	8117
55°	7871
60°	7031
65°	5691
70°	3210
75°	4241
80°	1705
85°	5802



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1279.3	60.7
10°-20°	532.0	25.2
20°-30°	125.8	6.0
30°-40°	68.3	3.2
40°-50°	48.9	2.3
50°-60°	32.8	1.6
60°-70°	13.2	0.6
70°-80°	5.5	0.3
80°-90°	3.2	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°	1937.0	91.8
0°-40°	2005.4	95.1
0°-60°	2087.0	99.0
0°-90°	2109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2109.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22396	
5°	17553	###
15°	1537	532
25°	254	126
35°	102	68
45°	57	49
55°	37	33
65°	20	13
75°	9	6
85°	4	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	22395.6
1°	22266.3
2°	21802.0
3°	20806.6
4°	19348.5
5°	17553.0
6°	15322.4
7°	12895.0
8°	10569.2
9°	8250.8
10°	6247.8
11°	4694.6
12°	3474.0
13°	2603.9
14°	1969.6
15°	1537.0
17.5°	873.4
20°	535.9
22.5°	356.2
25°	253.7
27.5°	181.3
30°	143.9
32.5°	126.0
35°	102.5
37.5°	96.8
40°	84.6
42.5°	74.0
45°	56.9
47.5°	60.2
50°	42.3
52.5°	41.5
55°	36.6
57.5°	33.3
60°	28.5
62.5°	13.8
65°	19.5
67.5°	1.6
70°	8.9
72.5°	5.7
75°	8.9
77.5°	0.8
80°	2.4
82.5°	4.1
85°	4.1
87.5°	2.4



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)