

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: P328466

Luminaire Tested: **L815MED20SP927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328466  
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: L815MED20SP927MB  
Description: Medium, 2000lm, 15D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1979.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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

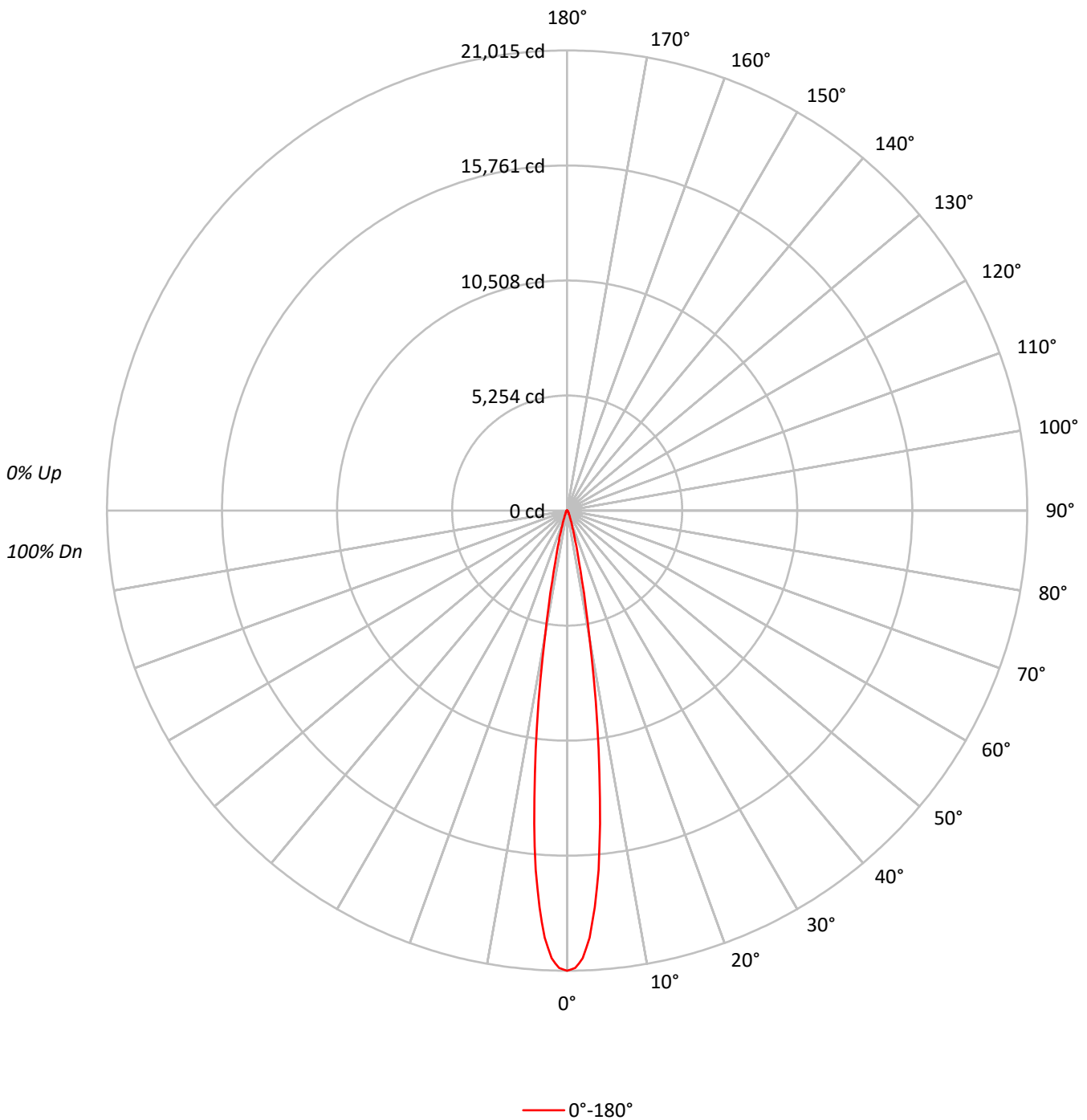
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2592121
5°	2039386
10°	734294
15°	184164
20°	66011
25°	32405
30°	19242
35°	14470
40°	12785
45°	9315
50°	7618
55°	7376
60°	6587
65°	5341
70°	3029
75°	4003
80°	1634
85°	5378



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1200.4	60.7
10°-20°	499.2	25.2
20°-30°	118.1	6.0
30°-40°	64.1	3.2
40°-50°	45.9	2.3
50°-60°	30.8	1.6
60°-70°	12.4	0.6
70°-80°	5.2	0.3
80°-90°	3.0	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°	1817.7	91.8
0°-40°	1881.7	95.1
0°-60°	1958.4	99.0
0°-90°	1979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21015	
5°	16471	###
15°	1442	499
25°	238	118
35°	96	64
45°	53	46
55°	34	31
65°	18	12
75°	8	5
85°	4	3
90°	0	



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CATALOG NUMBER: L815MED2OSP927MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21015.1
1°	20893.8
2°	20458.1
3°	19524.1
4°	18155.9
5°	16471.0
6°	14377.9
7°	12100.1
8°	9917.7
9°	7742.2
10°	5862.7
11°	4405.2
12°	3259.9
13°	2443.4
14°	1848.2
15°	1442.2
17.5°	819.5
20°	502.9
22.5°	334.2
25°	238.1
27.5°	170.2
30°	135.1
32.5°	118.3
35°	96.1
37.5°	90.8
40°	79.4
42.5°	69.4
45°	53.4
47.5°	56.5
50°	39.7
52.5°	38.9
55°	34.3
57.5°	31.3
60°	26.7
62.5°	13.0
65°	18.3
67.5°	1.5
70°	8.4
72.5°	5.3
75°	8.4
77.5°	0.8
80°	2.3
82.5°	3.8
85°	3.8
87.5°	2.3



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)