

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: P328454

Luminaire Tested: **L815MED20FL927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-12)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED20FL927MB  
Description: Medium, 2000lm, 45D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1825.0 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.66  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

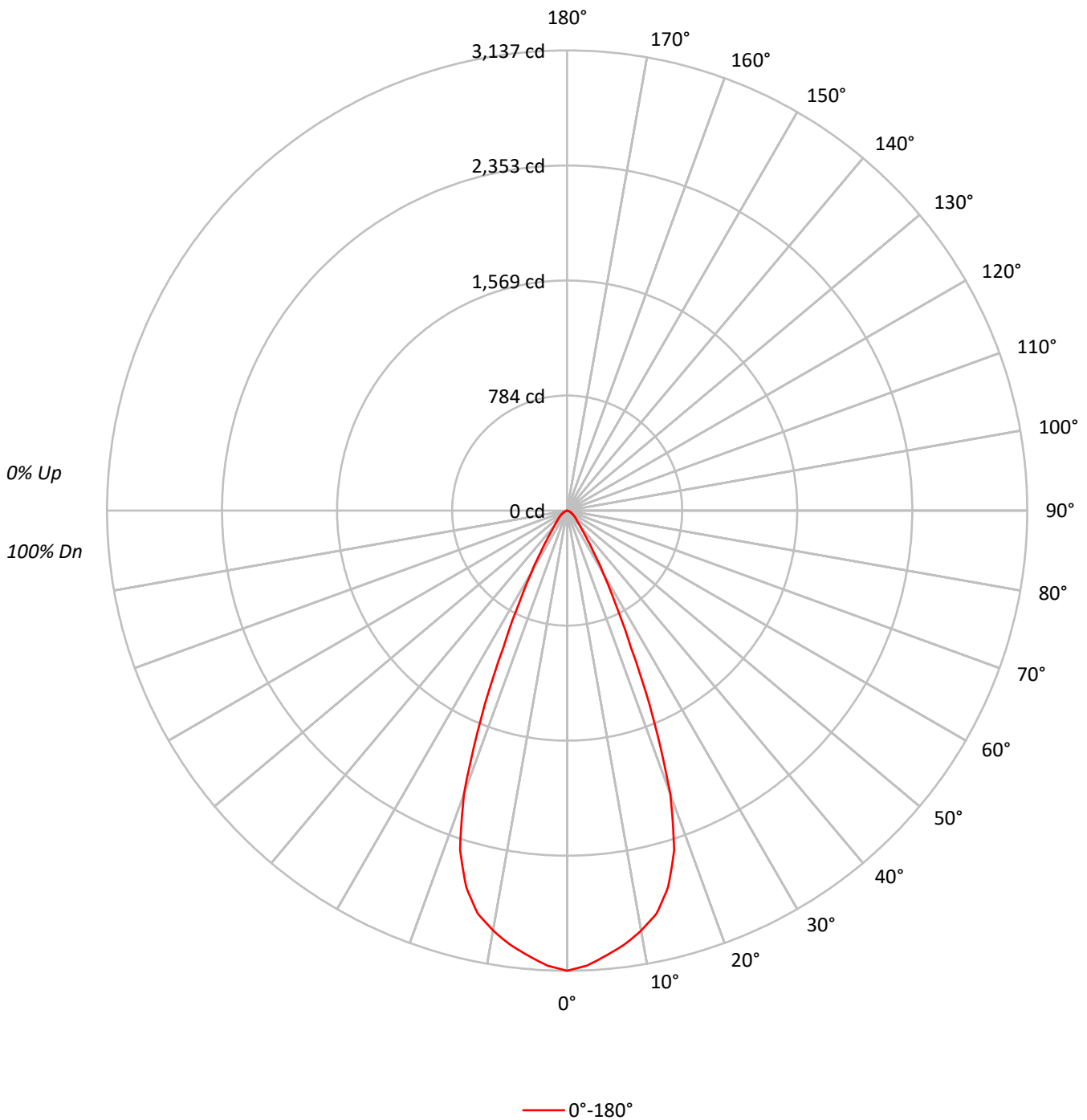
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73		79	75	72		78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	66		72	68	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60		67	62	59		66	62	59	58

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	386960
5°	377134
10°	364085
15°	339533
20°	269598
25°	139703
30°	69220
35°	35024
40°	21753
45°	16345
50°	13548
55°	10731
60°	8708
65°	6946
70°	5265
75°	2573
80°	568
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.6	15.7
10°-20°	723.8	39.7
20°-30°	503.1	27.6
30°-40°	160.7	8.8
40°-50°	74.5	4.1
50°-60°	45.7	2.5
60°-70°	24.0	1.3
70°-80°	6.5	0.4
80°-90°	0.1	0.0
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°	1513.5	82.9
0°-40°	1674.2	91.7
0°-60°	1794.4	98.3
0°-90°	1825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1825.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3137	
5°	3046	287
15°	2659	724
25°	1026	503
35°	233	161
45°	94	75
55°	50	46
65°	24	24
75°	5	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3137.2
2.5°	3104.2
5°	3045.9
7.5°	2984.4
10°	2906.9
12.5°	2814.8
15°	2658.9
17.5°	2427.0
20°	2053.9
22.5°	1537.1
25°	1026.5
27.5°	702.5
30°	486.0
32.5°	334.8
35°	232.6
37.5°	172.0
40°	135.1
42.5°	111.3
45°	93.7
47.5°	80.6
50°	70.6
52.5°	59.9
55°	49.9
57.5°	42.2
60°	35.3
62.5°	29.2
65°	23.8
67.5°	19.2
70°	14.6
72.5°	9.2
75°	5.4
77.5°	2.3
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)