

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: P328455

Luminaire Tested: **L815MED20FL930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328455
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: L815MED20FL930MB
Description: Medium, 2000lm, 45D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1944.0 lumens
Efficiency: N/A
Efficacy: 78.7 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

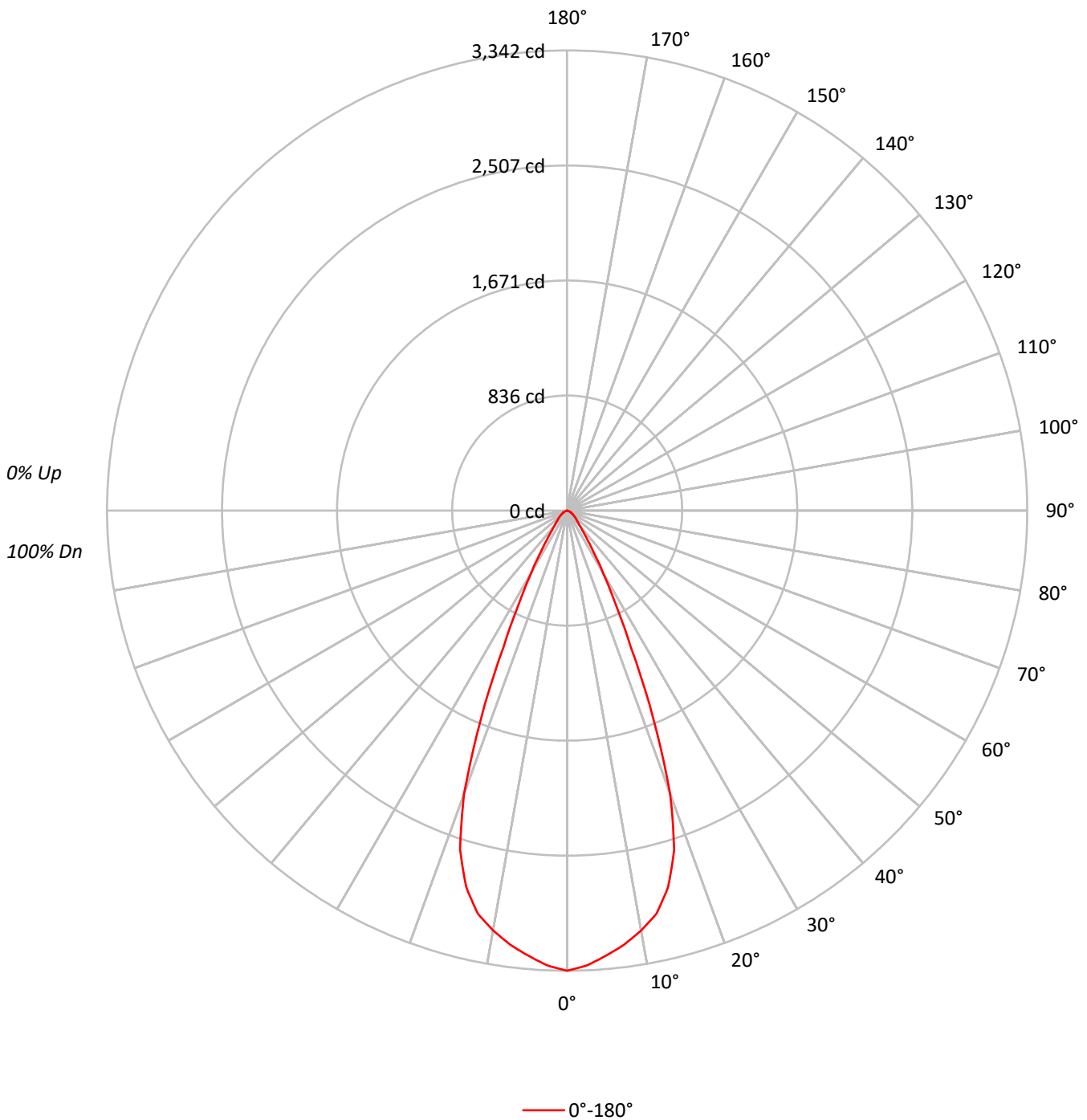
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	412196
5°	401724
10°	387819
15°	361676
20°	287174
25°	148822
30°	73735
35°	37313
40°	23170
45°	17409
50°	14430
55°	11440
60°	9276
65°	7413
70°	5590
75°	2716
80°	568
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	15.7
10°-20°	771.0	39.7
20°-30°	535.9	27.6
30°-40°	171.2	8.8
40°-50°	79.4	4.1
50°-60°	48.7	2.5
60°-70°	25.5	1.3
70°-80°	6.9	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°	1612.2	82.9
0°-40°	1783.4	91.7
0°-60°	1911.5	98.3
0°-90°	1944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1944.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3342	
5°	3244	305
15°	2832	771
25°	1094	536
35°	248	171
45°	100	79
55°	53	49
65°	25	26
75°	6	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3341.8
2.5°	3306.6
5°	3244.5
7.5°	3179.0
10°	3096.4
12.5°	2998.3
15°	2832.3
17.5°	2585.3
20°	2187.8
22.5°	1637.4
25°	1093.5
27.5°	748.3
30°	517.7
32.5°	356.6
35°	247.8
37.5°	183.2
40°	143.9
42.5°	118.6
45°	99.8
47.5°	85.9
50°	75.2
52.5°	63.8
55°	53.2
57.5°	45.0
60°	37.6
62.5°	31.1
65°	25.4
67.5°	20.4
70°	15.5
72.5°	9.8
75°	5.7
77.5°	2.5
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)