

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: P328462

Luminaire Tested: **L815MED20NP927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED20NP927MB
Description: Medium, 2000lm, 8D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

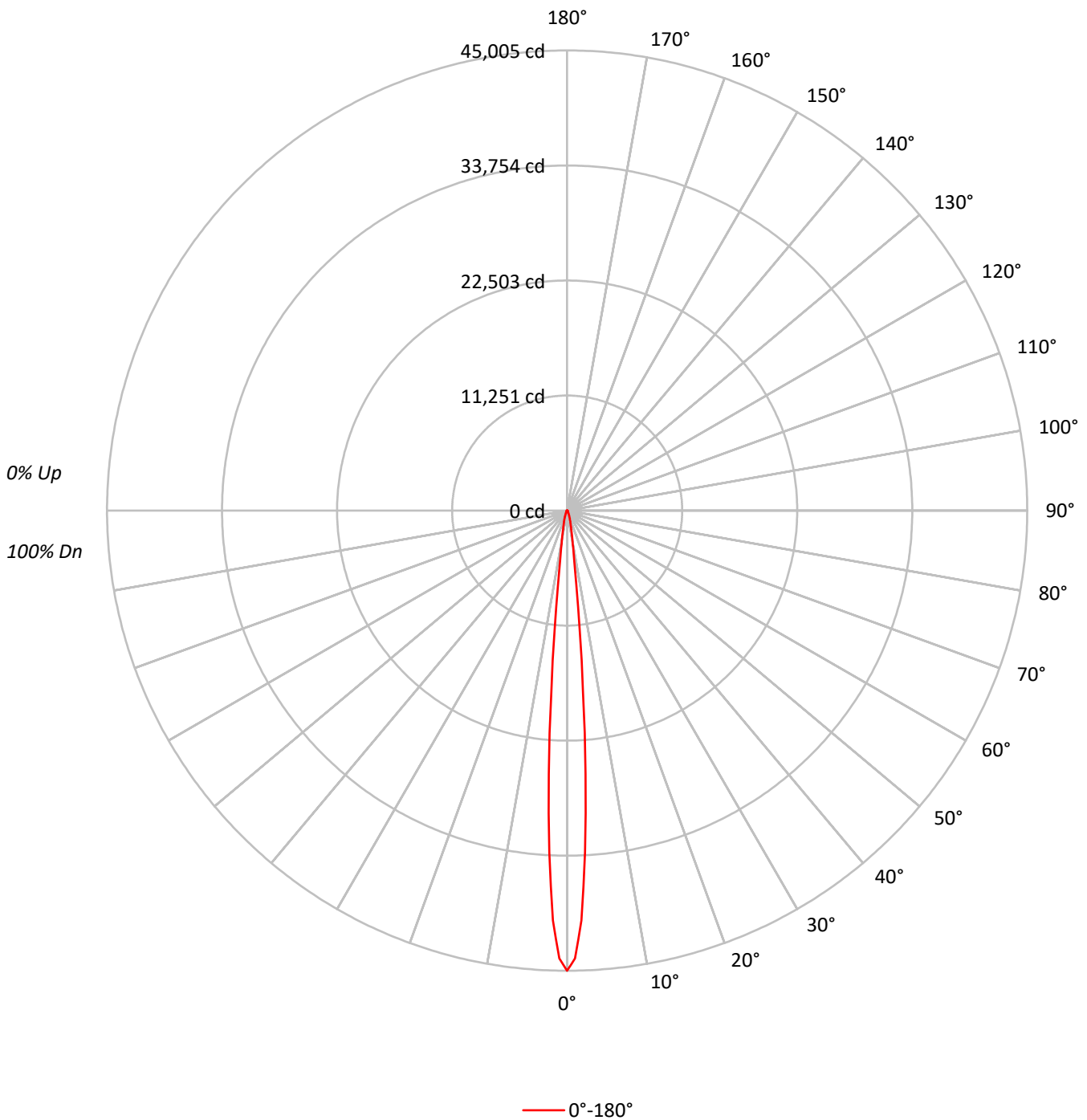
Lumens per Lamp: N/A
Luminaire Lumens: 1981.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	86	83	81	80
10	92	86	83	81	92	86	83	80	85	82	80	85	82	80	84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5551145
5°	2201871
10°	365312
15°	159813
20°	82721
25°	41918
30°	28329
35°	19876
40°	14733
45°	12280
50°	12838
55°	7570
60°	7820
65°	11820
70°	1262
75°	14249
80°	10016
85°	15001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.8	61.3
10°-20°	369.5	18.7
20°-30°	156.9	7.9
30°-40°	82.0	4.1
40°-50°	59.6	3.0
50°-60°	42.0	2.1
60°-70°	29.4	1.5
70°-80°	18.2	0.9
80°-90°	8.6	0.4
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°	1741.2	87.9
0°-40°	1823.2	92.0
0°-60°	1924.8	97.2
0°-90°	1981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	45005	
5°	17783	###
15°	1252	369
25°	308	157
35°	132	82
45°	70	60
55°	35	42
65°	40	29
75°	30	18
85°	11	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	45004.8
1°	43806.1
2°	40100.9
3°	33472.0
4°	25850.3
5°	17783.3
6°	11633.2
7°	7274.9
8°	4958.5
9°	3701.7
10°	2916.7
11°	2408.0
12°	1997.8
13°	1693.3
14°	1438.1
15°	1251.5
17.5°	867.8
20°	630.2
22.5°	441.8
25°	308.0
27.5°	241.1
30°	198.9
32.5°	139.1
35°	132.0
37.5°	112.7
40°	91.5
42.5°	93.3
45°	70.4
47.5°	66.9
50°	66.9
52.5°	54.6
55°	35.2
57.5°	49.3
60°	31.7
62.5°	51.0
65°	40.5
67.5°	10.6
70°	3.5
72.5°	15.8
75°	29.9
77.5°	14.1
80°	14.1
82.5°	14.1
85°	10.6
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)