

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: P328464

Luminaire Tested: **L815MED20NP935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328464
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: L815MED20NP935MB
Description: Medium, 2000lm, 8D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

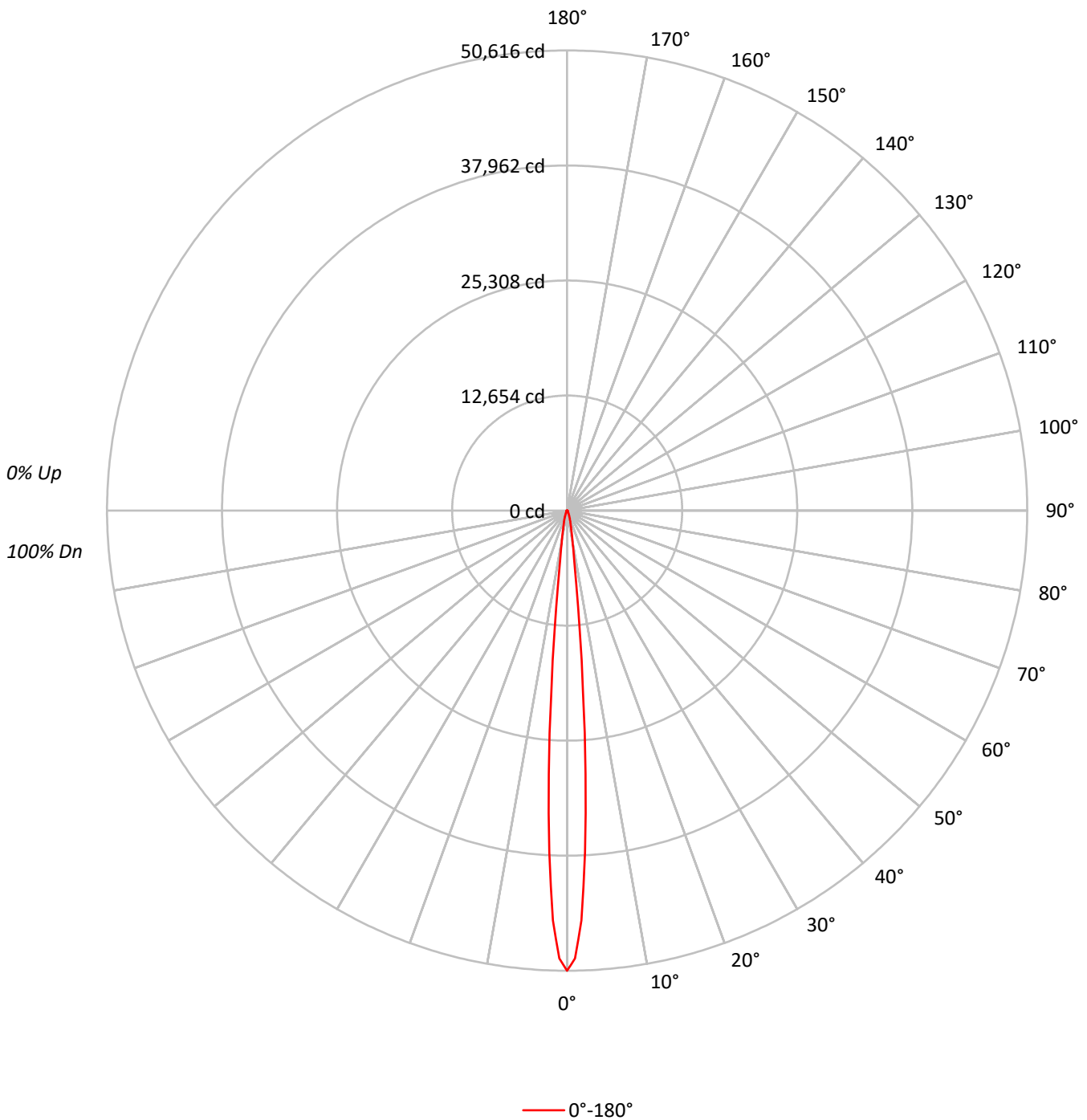
Lumens per Lamp: N/A
Luminaire Lumens: 2228.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P328464
CATALOG NUMBER: L815MED20NP935MB

Luminous Intensity Polar Plot





TEST NUMBER: P328464

CATALOG NUMBER: L815MED20NP935MB

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°	6243287
5°	2476410
10°	410852
15°	179733
20°	93025
25°	47144
30°	31861
35°	22361
40°	16569
45°	13815
50°	14430
55°	8516
60°	8782
65°	13280
70°	1443
75°	16060
80°	11223
85°	16841



TEST NUMBER: P328464

CATALOG NUMBER: L815MED20NP935MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1366.2	61.3
10°-20°	415.5	18.7
20°-30°	176.5	7.9
30°-40°	92.2	4.1
40°-50°	67.0	3.0
50°-60°	47.3	2.1
60°-70°	33.1	1.5
70°-80°	20.4	0.9
80°-90°	9.7	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°	1958.2	87.9
0°-40°	2050.5	92.0
0°-60°	2164.8	97.2
0°-90°	2228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2228.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	50616	
5°	20001	###
15°	1408	416
25°	346	177
35°	148	92
45°	79	67
55°	40	47
65°	46	33
75°	34	20
85°	12	10
90°	0	



TEST NUMBER: P328464

CATALOG NUMBER: L815MED20NP935MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	50616.2
1°	49268.1
2°	45100.9
3°	37645.4
4°	29073.4
5°	20000.6
6°	13083.6
7°	8182.0
8°	5576.7
9°	4163.2
10°	3280.3
11°	2708.2
12°	2246.9
13°	1904.4
14°	1617.4
15°	1407.5
17.5°	976.0
20°	708.7
22.5°	496.9
25°	346.4
27.5°	271.2
30°	223.7
32.5°	156.4
35°	148.5
37.5°	126.7
40°	102.9
42.5°	104.9
45°	79.2
47.5°	75.2
50°	75.2
52.5°	61.4
55°	39.6
57.5°	55.4
60°	35.6
62.5°	57.4
65°	45.5
67.5°	11.9
70°	4.0
72.5°	17.8
75°	33.7
77.5°	15.8
80°	15.8
82.5°	15.8
85°	11.9
87.5°	0.0



TEST NUMBER: P328464

CATALOG NUMBER: L815MED20NP935MB

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)