

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: P328468

Luminaire Tested: **L815MED20SP935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328468
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: L815MED20SP935MB
Description: Medium, 2000lm, 15D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2225.0 lumens
Efficiency: N/A
Efficacy: 90.1 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

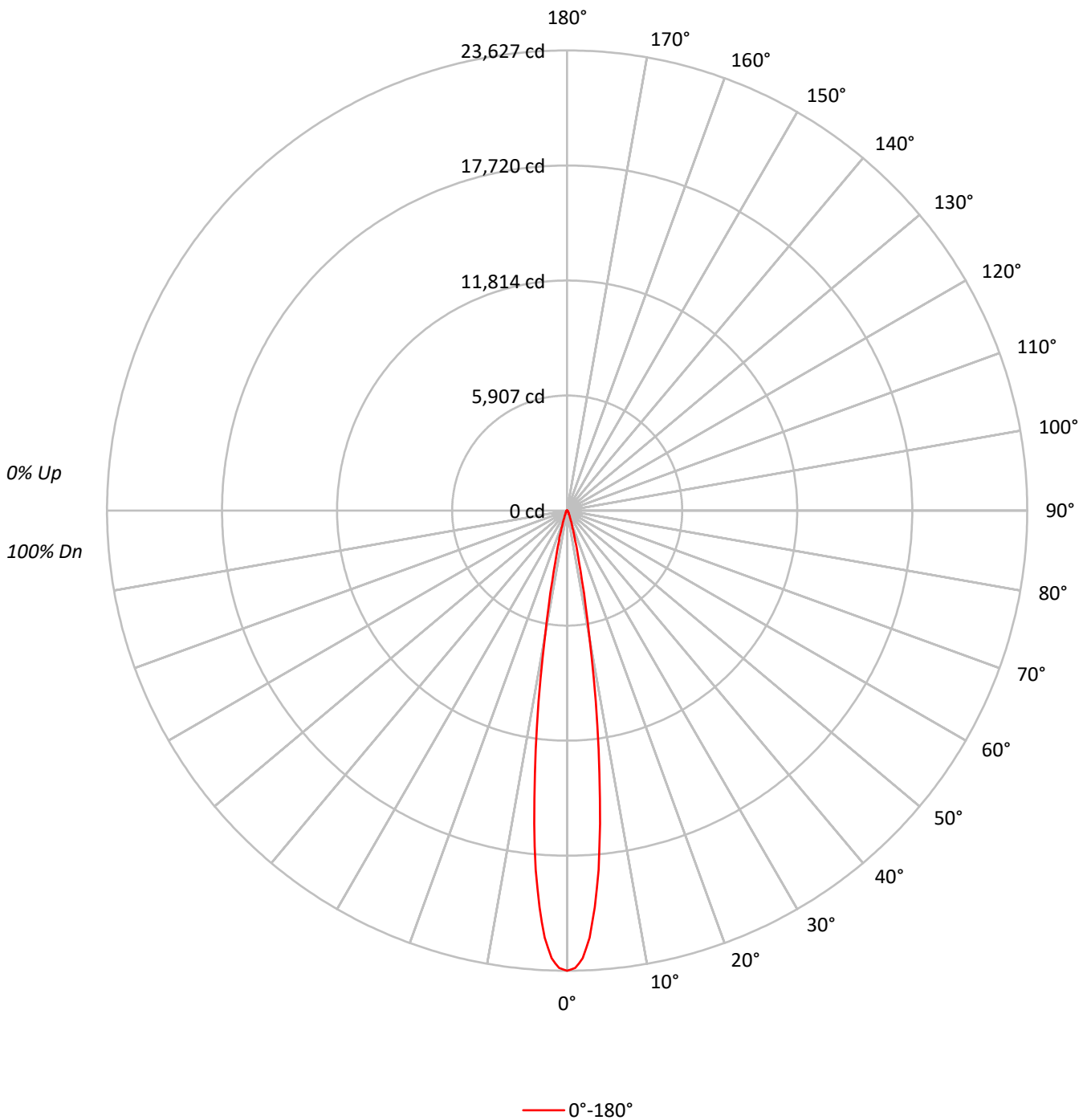
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2914336
5°	2292889
10°	825575
15°	207060
20°	74215
25°	36433
30°	21635
35°	16277
40°	14363
45°	10484
50°	8558
55°	8301
60°	7401
65°	6012
70°	3390
75°	4480
80°	1847
85°	6085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1349.6	60.7
10°-20°	561.2	25.2
20°-30°	132.7	6.0
30°-40°	72.1	3.2
40°-50°	51.6	2.3
50°-60°	34.6	1.6
60°-70°	13.9	0.6
70°-80°	5.9	0.3
80°-90°	3.4	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°	2043.6	91.8
0°-40°	2115.7	95.1
0°-60°	2201.9	99.0
0°-90°	2225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2225.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23627	
5°	18518	###
15°	1622	561
25°	268	133
35°	108	72
45°	60	52
55°	39	35
65°	21	14
75°	9	6
85°	4	3
90°	0	



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CATALOG NUMBER: L815MED2OSP935MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	23627.4
1°	23491.0
2°	23001.1
3°	21951.0
4°	20412.7
5°	18518.4
6°	16165.1
7°	13604.2
8°	11150.5
9°	8704.6
10°	6591.5
11°	4952.8
12°	3665.1
13°	2747.1
14°	2077.9
15°	1621.5
17.5°	921.4
20°	565.4
22.5°	375.8
25°	267.7
27.5°	191.3
30°	151.9
32.5°	133.0
35°	108.1
37.5°	102.1
40°	89.2
42.5°	78.1
45°	60.1
47.5°	63.5
50°	44.6
52.5°	43.8
55°	38.6
57.5°	35.2
60°	30.0
62.5°	14.6
65°	20.6
67.5°	1.7
70°	9.4
72.5°	6.0
75°	9.4
77.5°	0.9
80°	2.6
82.5°	4.3
85°	4.3
87.5°	2.6



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)