

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: P328469

Luminaire Tested: **L815MED20SP940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328469
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: L815MED2OSP940MB
Description: Medium, 2000lm, 15D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2257.1 lumens
Efficiency: N/A
Efficacy: 91.4 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

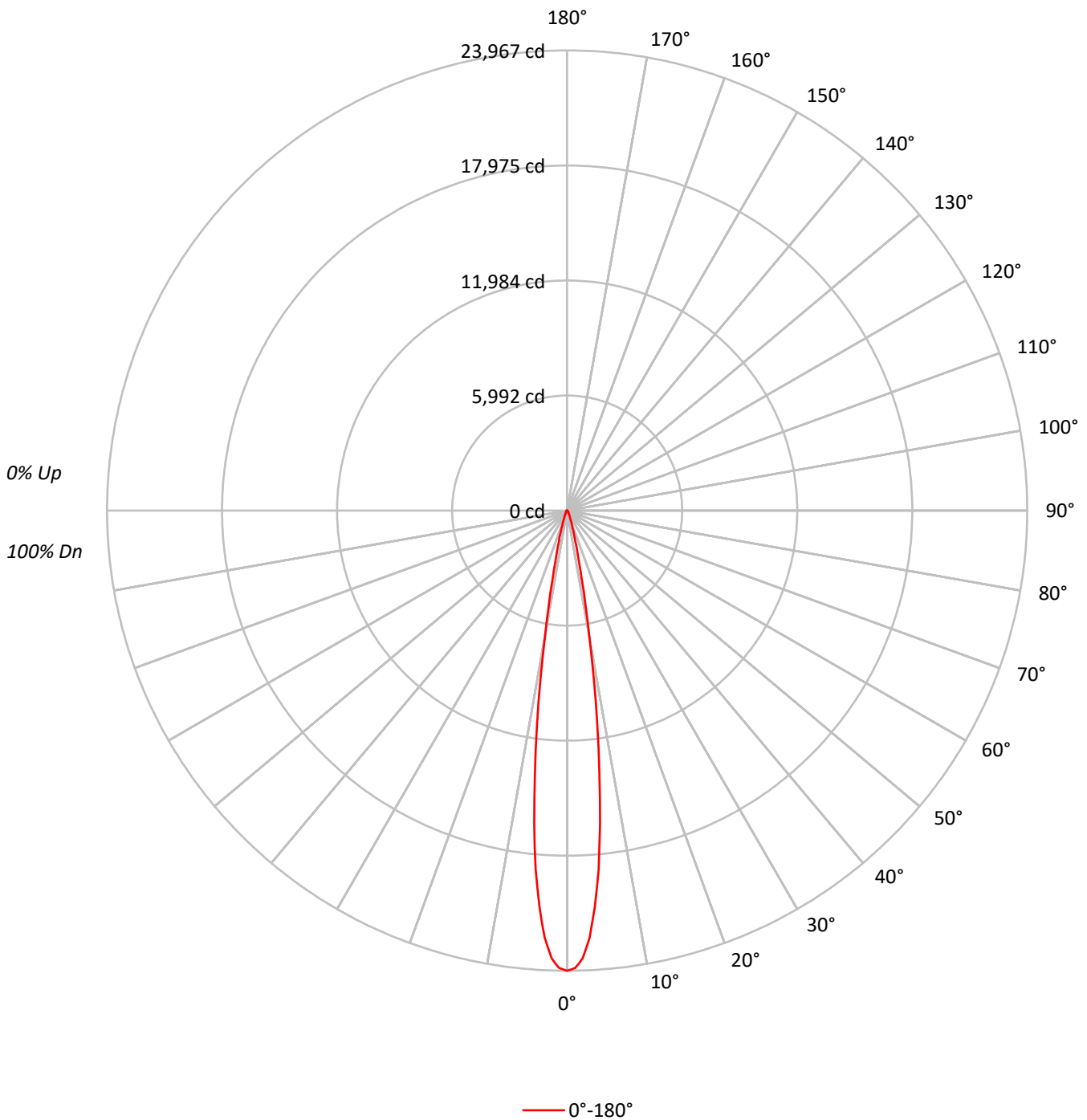
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2956249
5°	2325874
10°	837449
15°	210036
20°	75279
25°	36950
30°	21934
35°	16518
40°	14572
45°	10623
50°	8693
55°	8430
60°	7524
65°	6100
70°	3462
75°	4575
80°	1847
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1369.0	60.7
10°-20°	569.3	25.2
20°-30°	134.6	6.0
30°-40°	73.1	3.2
40°-50°	52.3	2.3
50°-60°	35.1	1.6
60°-70°	14.1	0.6
70°-80°	6.0	0.3
80°-90°	3.5	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°	2073.0	91.8
0°-40°	2146.1	95.1
0°-60°	2233.5	99.0
0°-90°	2257.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2257.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23967	
5°	18785	###
15°	1645	569
25°	272	135
35°	110	73
45°	61	52
55°	39	35
65°	21	14
75°	10	6
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23967.2
1°	23828.8
2°	23331.9
3°	22266.7
4°	20706.3
5°	18784.8
6°	16397.6
7°	13799.9
8°	11310.9
9°	8829.8
10°	6686.3
11°	5024.1
12°	3717.8
13°	2786.6
14°	2107.8
15°	1644.8
17.5°	934.7
20°	573.5
22.5°	381.2
25°	271.5
27.5°	194.1
30°	154.0
32.5°	134.9
35°	109.7
37.5°	103.6
40°	90.5
42.5°	79.2
45°	60.9
47.5°	64.4
50°	45.3
52.5°	44.4
55°	39.2
57.5°	35.7
60°	30.5
62.5°	14.8
65°	20.9
67.5°	1.7
70°	9.6
72.5°	6.1
75°	9.6
77.5°	0.9
80°	2.6
82.5°	4.4
85°	4.4
87.5°	2.6



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)