

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: P328529

Luminaire Tested: **L815SML10NF940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML10NF940MB
Description: Small, 1000lm, 25D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1320.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.39
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

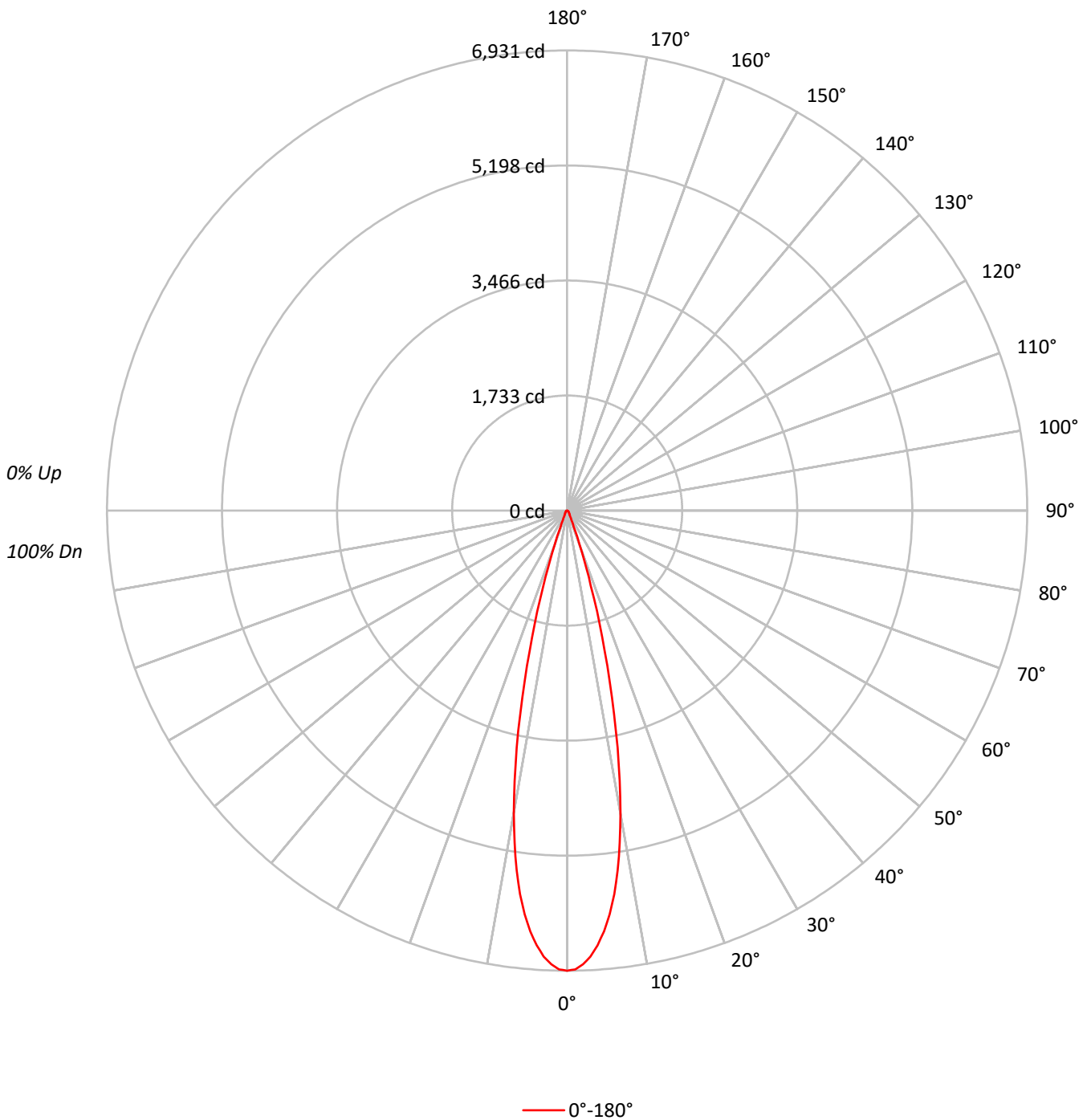
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	113	111	109	108	107	106	105		103	102	101		100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99		100	99	97		98	97	95	94
3	108	104	100	97	106	102	99	97	100	97	95		98	96	94		96	94	92	91
4	105	100	96	93	104	99	95	93	97	94	92		95	93	91		93	91	90	89
5	102	97	93	90	101	96	92	89	94	91	89		93	90	88		91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86		90	88	85		89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80		84	81	79		84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78		83	80	78		82	79	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1519900
5°	1400569
10°	1030197
15°	494509
20°	124984
25°	34986
30°	18788
35°	14536
40°	12910
45°	10916
50°	8870
55°	6729
60°	3026
65°	1972
70°	962
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.4	41.9
10°-20°	598.8	45.4
20°-30°	87.0	6.6
30°-40°	35.0	2.7
40°-50°	27.3	2.1
50°-60°	15.0	1.1
60°-70°	4.1	0.3
70°-80°	0.4	0.0
80°-90°	0.0	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°	1238.2	93.8
0°-40°	1273.2	96.5
0°-60°	1315.5	99.7
0°-90°	1320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6931	
5°	6363	552
15°	2178	599
25°	145	87
35°	54	35
45°	35	27
55°	18	15
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6931.3
1°	6911.4
2°	6840.3
3°	6728.6
4°	6562.5
5°	6362.8
6°	6113.4
7°	5820.3
8°	5471.4
9°	5062.9
10°	4626.7
11°	4148.5
12°	3651.2
13°	3143.9
14°	2651.9
15°	2178.3
17.5°	1183.7
20°	535.6
22.5°	251.7
25°	144.6
27.5°	97.9
30°	74.2
32.5°	61.2
35°	54.3
37.5°	49.7
40°	45.1
42.5°	40.6
45°	35.2
47.5°	30.6
50°	26.0
52.5°	21.4
55°	17.6
57.5°	12.2
60°	6.9
62.5°	5.4
65°	3.8
67.5°	3.1
70°	1.5
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)