

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: P328512

Luminaire Tested: **L815SML05NP935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML05NP935MB
Description: Small, 500lm, 8D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 495.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

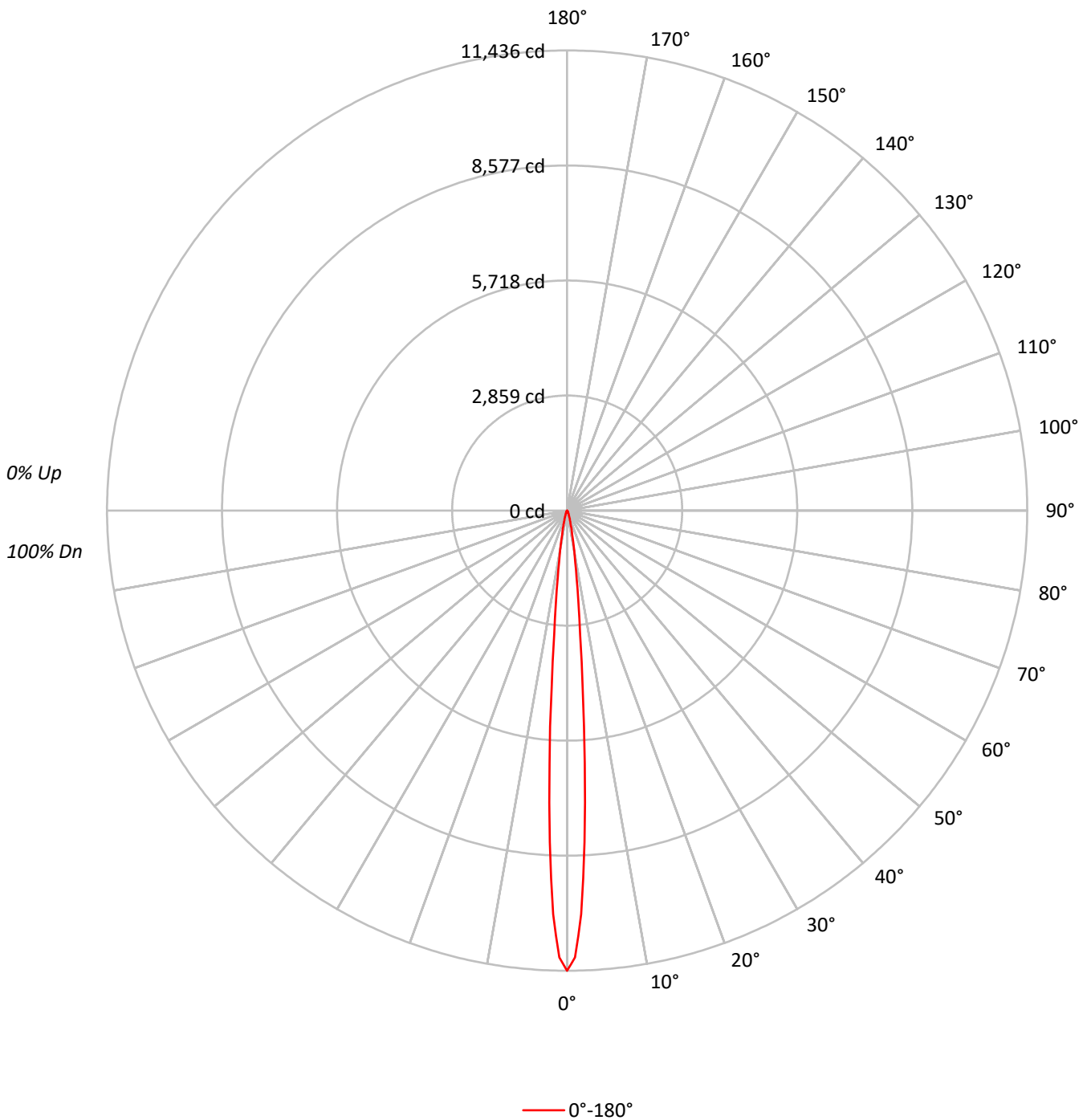
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90
6	103	97	94	91	101	97	94	91	96	93	91	94	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	94	90	88	98	93	90	88	92	89	87	91	89	87	91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	85
10	96	91	87	85	95	90	87	85	90	87	85	89	87	85	88	86	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2507803
5°	979901
10°	223465
15°	72327
20°	30289
25°	16065
30°	9343
35°	6425
40°	4924
45°	4186
50°	3582
55°	3058
60°	1623
65°	934
70°	385
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.3	65.9
10°-20°	101.5	20.5
20°-30°	32.3	6.5
30°-40°	15.5	3.1
40°-50°	10.5	2.1
50°-60°	6.8	1.4
60°-70°	1.9	0.4
70°-80°	0.2	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°	460.1	93.0
0°-40°	475.6	96.1
0°-60°	492.9	99.6
0°-90°	495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11436	
5°	4452	326
15°	319	102
25°	66	32
35°	24	16
45°	14	10
55°	8	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11436.5
1°	11108.1
2°	10036.9
3°	8255.3
4°	6296.0
5°	4451.7
6°	3109.9
7°	2268.0
8°	1679.5
9°	1303.7
10°	1003.6
11°	784.7
12°	612.5
13°	489.5
14°	394.2
15°	318.6
17.5°	197.4
20°	129.8
22.5°	91.0
25°	66.4
27.5°	49.2
30°	36.9
32.5°	28.9
35°	24.0
37.5°	20.3
40°	17.2
42.5°	15.4
45°	13.5
47.5°	11.7
50°	10.5
52.5°	9.2
55°	8.0
57.5°	6.1
60°	3.7
62.5°	2.5
65°	1.8
67.5°	1.2
70°	0.6
72.5°	0.6
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)