

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: P328508

Luminaire Tested: **L815SML05NF935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328508  
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: L815SML05NF935MB  
Description: Small, 500lm, 25D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 670.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 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

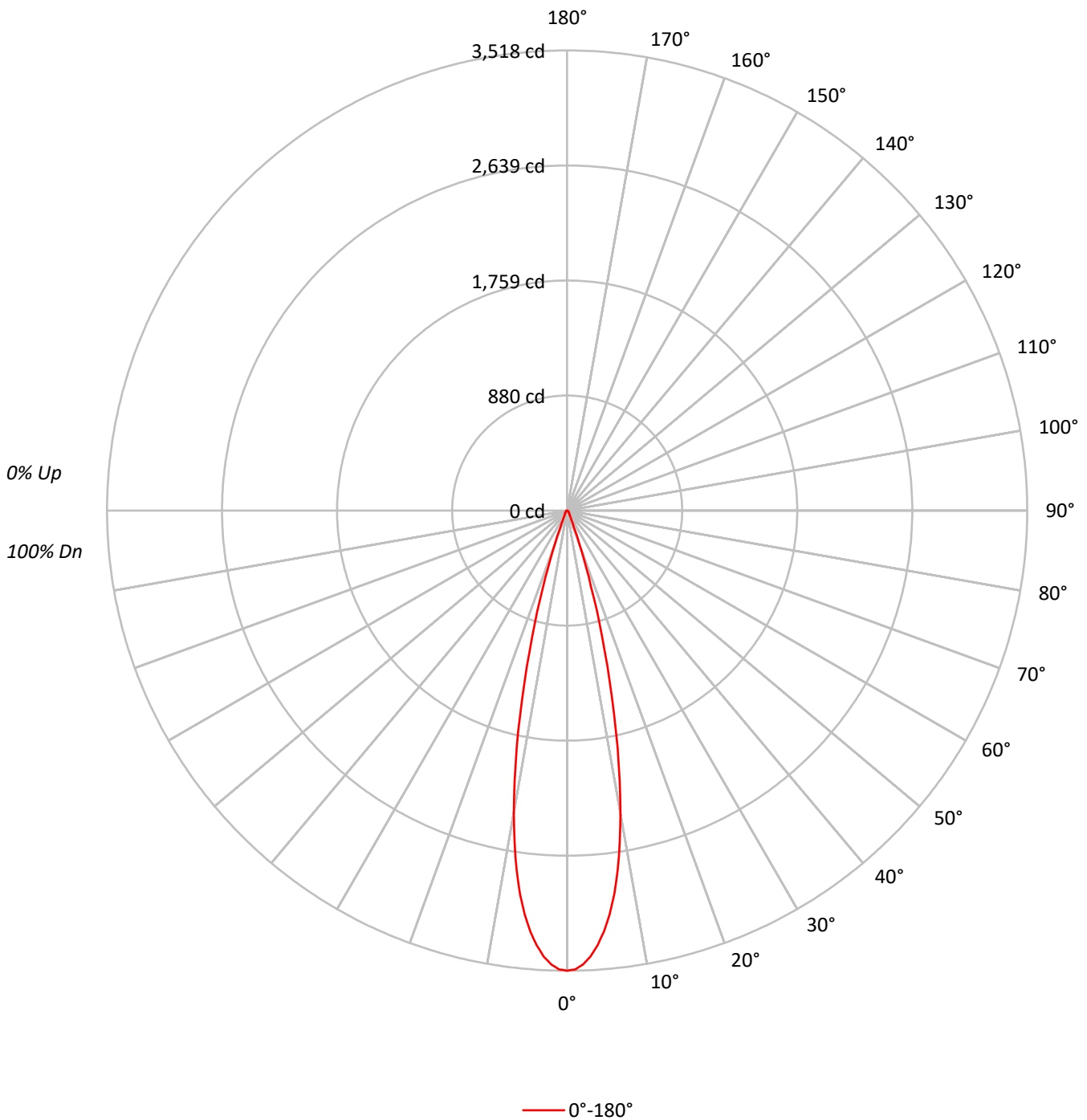
Input Watts (W): 6.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	771473
5°	710894
10°	522903
15°	251012
20°	63449
25°	17759
30°	9546
35°	7388
40°	6555
45°	5551
50°	4503
55°	3403
60°	1535
65°	986
70°	513
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.4	41.8
10°-20°	303.9	45.4
20°-30°	44.2	6.6
30°-40°	17.8	2.7
40°-50°	13.8	2.1
50°-60°	7.6	1.1
60°-70°	2.1	0.3
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°	628.5	93.8
0°-40°	646.3	96.5
0°-60°	667.8	99.7
0°-90°	670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3518	
5°	3230	280
15°	1106	304
25°	73	44
35°	28	18
45°	18	14
55°	9	8
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3518.2
1°	3508.1
2°	3472.0
3°	3415.3
4°	3331.0
5°	3229.6
6°	3103.0
7°	2954.3
8°	2777.2
9°	2569.8
10°	2348.4
11°	2105.7
12°	1853.3
13°	1595.8
14°	1346.1
15°	1105.7
17.5°	600.8
20°	271.9
22.5°	127.8
25°	73.4
27.5°	49.7
30°	37.7
32.5°	31.1
35°	27.6
37.5°	25.2
40°	22.9
42.5°	20.6
45°	17.9
47.5°	15.5
50°	13.2
52.5°	10.9
55°	8.9
57.5°	6.2
60°	3.5
62.5°	2.7
65°	1.9
67.5°	1.6
70°	0.8
72.5°	0.4
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)