

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: P328514

Luminaire Tested: **L815SML05SP927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815SML05SP927MB  
Description: Small, 500lm, 15D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 595.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.26  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

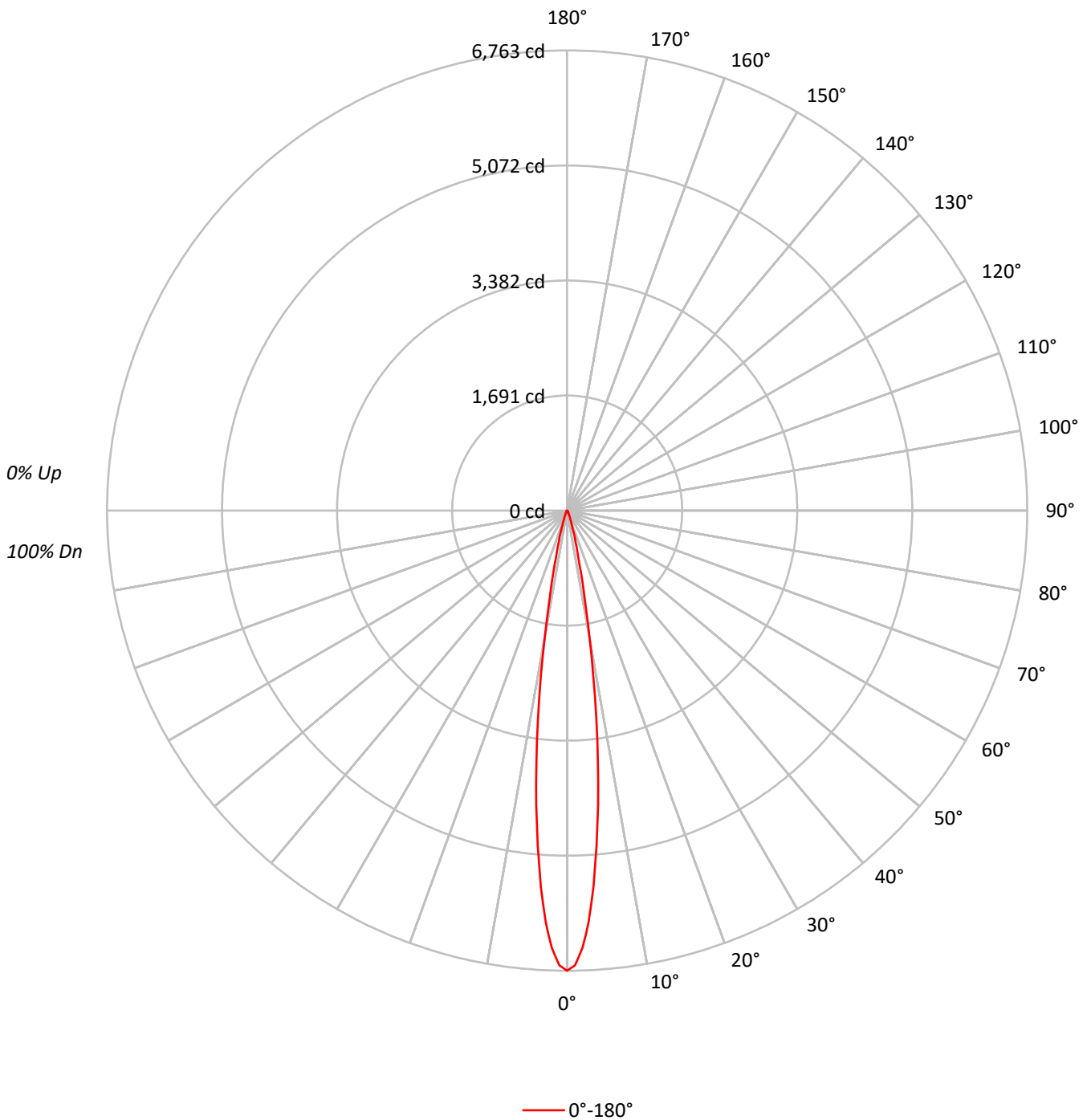
Input Watts (W): 6.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1483017
5°	1088111
10°	424597
15°	107878
20°	32693
25°	13307
30°	7849
35°	5622
40°	4580
45°	4031
50°	3753
55°	3441
60°	1316
65°	1038
70°	641
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.0	62.4
10°-20°	161.9	27.2
20°-30°	29.2	4.9
30°-40°	13.6	2.3
40°-50°	10.1	1.7
50°-60°	7.3	1.2
60°-70°	1.7	0.3
70°-80°	0.1	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°	562.1	94.5
0°-40°	575.7	96.8
0°-60°	593.1	99.7
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6763	
5°	4943	371
15°	475	162
25°	55	29
35°	21	14
45°	13	10
55°	9	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6763.1
1°	6683.1
2°	6432.0
3°	6052.8
4°	5543.6
5°	4943.3
6°	4349.0
7°	3709.7
8°	3085.4
9°	2462.1
10°	1906.9
11°	1441.7
12°	1091.5
13°	805.4
14°	615.3
15°	475.2
17.5°	251.1
20°	140.1
22.5°	82.0
25°	55.0
27.5°	41.0
30°	31.0
32.5°	25.0
35°	21.0
37.5°	18.0
40°	16.0
42.5°	14.0
45°	13.0
47.5°	12.0
50°	11.0
52.5°	10.0
55°	9.0
57.5°	7.0
60°	3.0
62.5°	2.0
65°	2.0
67.5°	1.0
70°	1.0
72.5°	0.0
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)