

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: P328535

Luminaire Tested: **L815SML10SP930MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328535  
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: L815SML10SP930MB  
Description: Small, 1000lm, 15D, 3000K, black finish  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

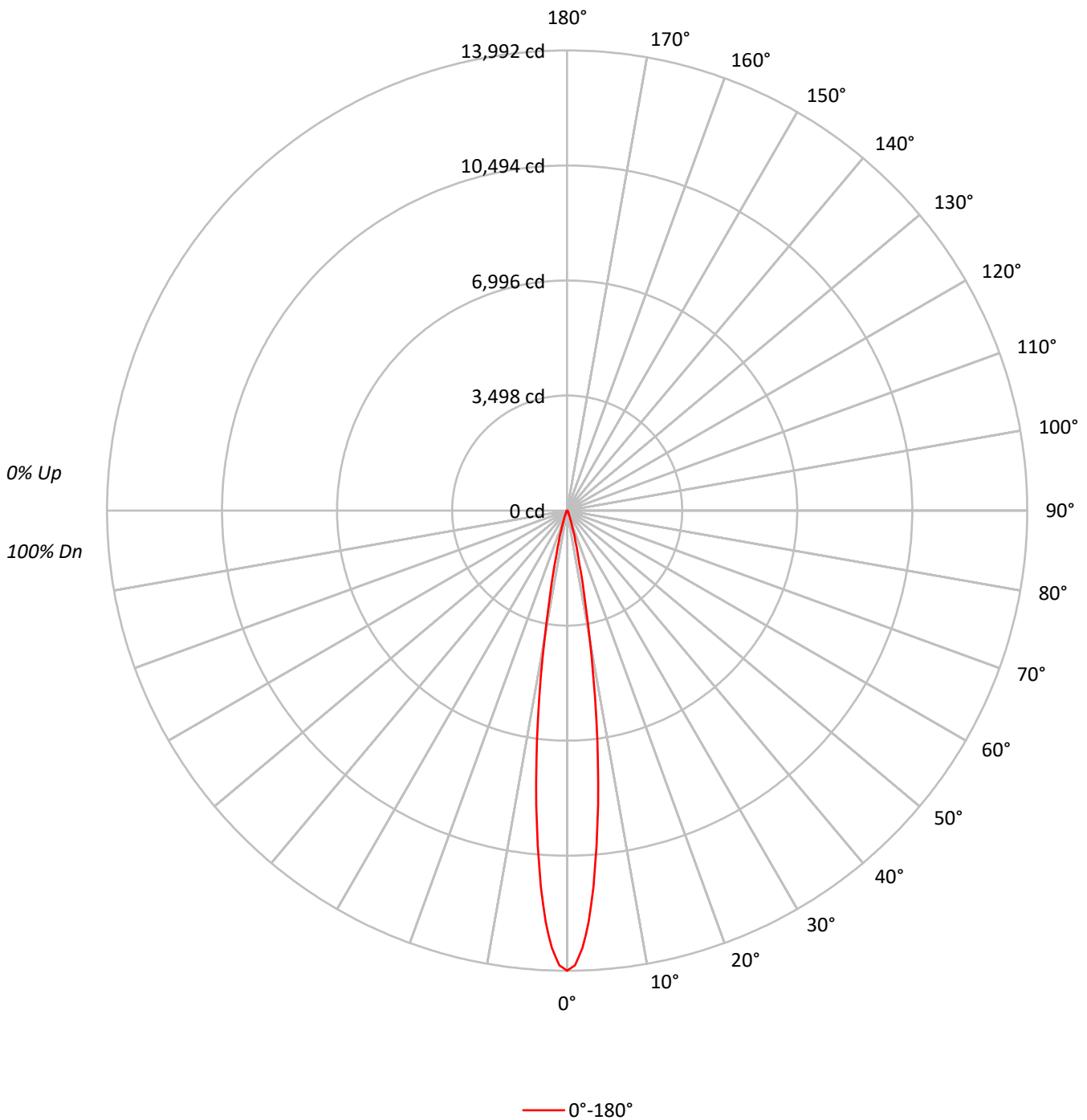
Lumens per Lamp: N/A  
Luminaire Lumens: 1231.0 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.26  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	3068241
5°	2251194
10°	878452
15°	223202
20°	67626
25°	27534
30°	16256
35°	11645
40°	9475
45°	8342
50°	7778
55°	7111
60°	2719
65°	2127
70°	1346
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	767.6	62.4
10°-20°	335.0	27.2
20°-30°	60.4	4.9
30°-40°	28.1	2.3
40°-50°	20.9	1.7
50°-60°	15.2	1.2
60°-70°	3.6	0.3
70°-80°	0.3	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°	1163.0	94.5
0°-40°	1191.0	96.8
0°-60°	1227.2	99.7
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13992	
5°	10227	768
15°	983	335
25°	114	60
35°	44	28
45°	27	21
55°	19	15
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13992.3
1°	13826.7
2°	13307.1
3°	12522.7
4°	11469.1
5°	10227.2
6°	8997.7
7°	7675.0
8°	6383.4
9°	5093.9
10°	3945.2
11°	2982.7
12°	2258.2
13°	1666.2
14°	1273.0
15°	983.2
17.5°	519.5
20°	289.8
22.5°	169.7
25°	113.8
27.5°	84.9
30°	64.2
32.5°	51.7
35°	43.5
37.5°	37.3
40°	33.1
42.5°	29.0
45°	26.9
47.5°	24.8
50°	22.8
52.5°	20.7
55°	18.6
57.5°	14.5
60°	6.2
62.5°	4.1
65°	4.1
67.5°	2.1
70°	2.1
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)