

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: P328534

Luminaire Tested: **L815SML10SP927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328534  
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: L815SML10SP927MB  
Description: Small, 1000lm, 15D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1155.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 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

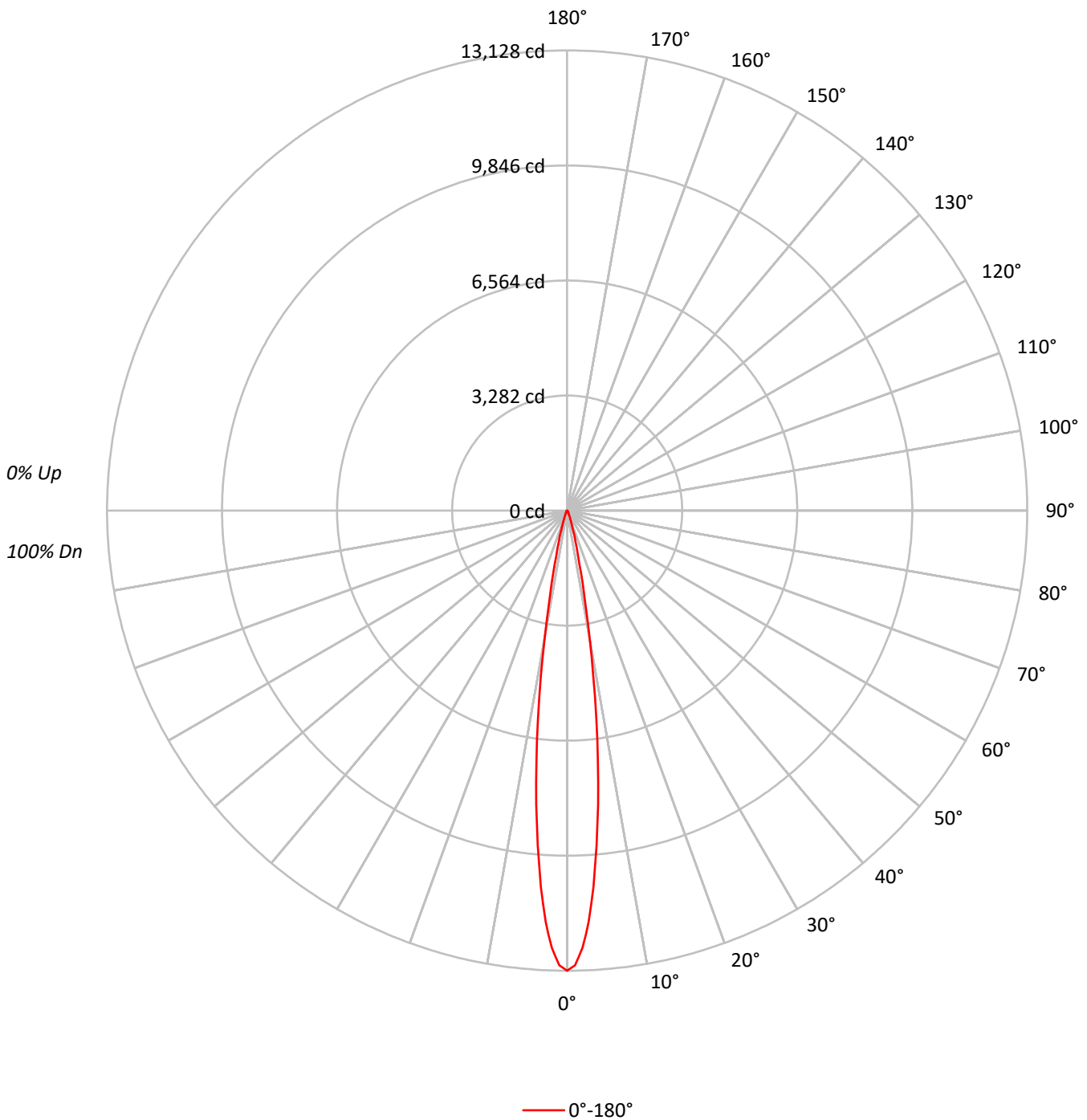
Input Watts (W): 12.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P328534

CATALOG NUMBER: L815SML10SP927MB

### 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°	2878804
5°	2112211
10°	824211
15°	209422
20°	63449
25°	25840
30°	15243
35°	10922
40°	8902
45°	7815
50°	7300
55°	6690
60°	2544
65°	2024
70°	1218
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	720.2	62.4
10°-20°	314.3	27.2
20°-30°	56.6	4.9
30°-40°	26.4	2.3
40°-50°	19.6	1.7
50°-60°	14.3	1.2
60°-70°	3.3	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°	1091.2	94.5
0°-40°	1117.5	96.8
0°-60°	1151.4	99.7
0°-90°	1155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13128	
5°	9596	720
15°	922	314
25°	107	57
35°	41	26
45°	25	20
55°	18	14
65°	4	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

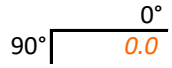
0°	
0°	13128.4
1°	12973.0
2°	12485.6
3°	11749.5
4°	10761.0
5°	9595.8
6°	8442.2
7°	7201.2
8°	5989.3
9°	4779.4
10°	3701.6
11°	2798.5
12°	2118.8
13°	1563.4
14°	1194.4
15°	922.5
17.5°	487.5
20°	271.9
22.5°	159.2
25°	106.8
27.5°	79.6
30°	60.2
32.5°	48.6
35°	40.8
37.5°	35.0
40°	31.1
42.5°	27.2
45°	25.2
47.5°	23.3
50°	21.4
52.5°	19.4
55°	17.5
57.5°	13.6
60°	5.8
62.5°	3.9
65°	3.9
67.5°	1.9
70°	1.9
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):



(END OF REPORT)