

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: P328524

Luminaire Tested: **L815SML10FL935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML10FL935MB
Description: Small, 1000lm, 45D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1256.1 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

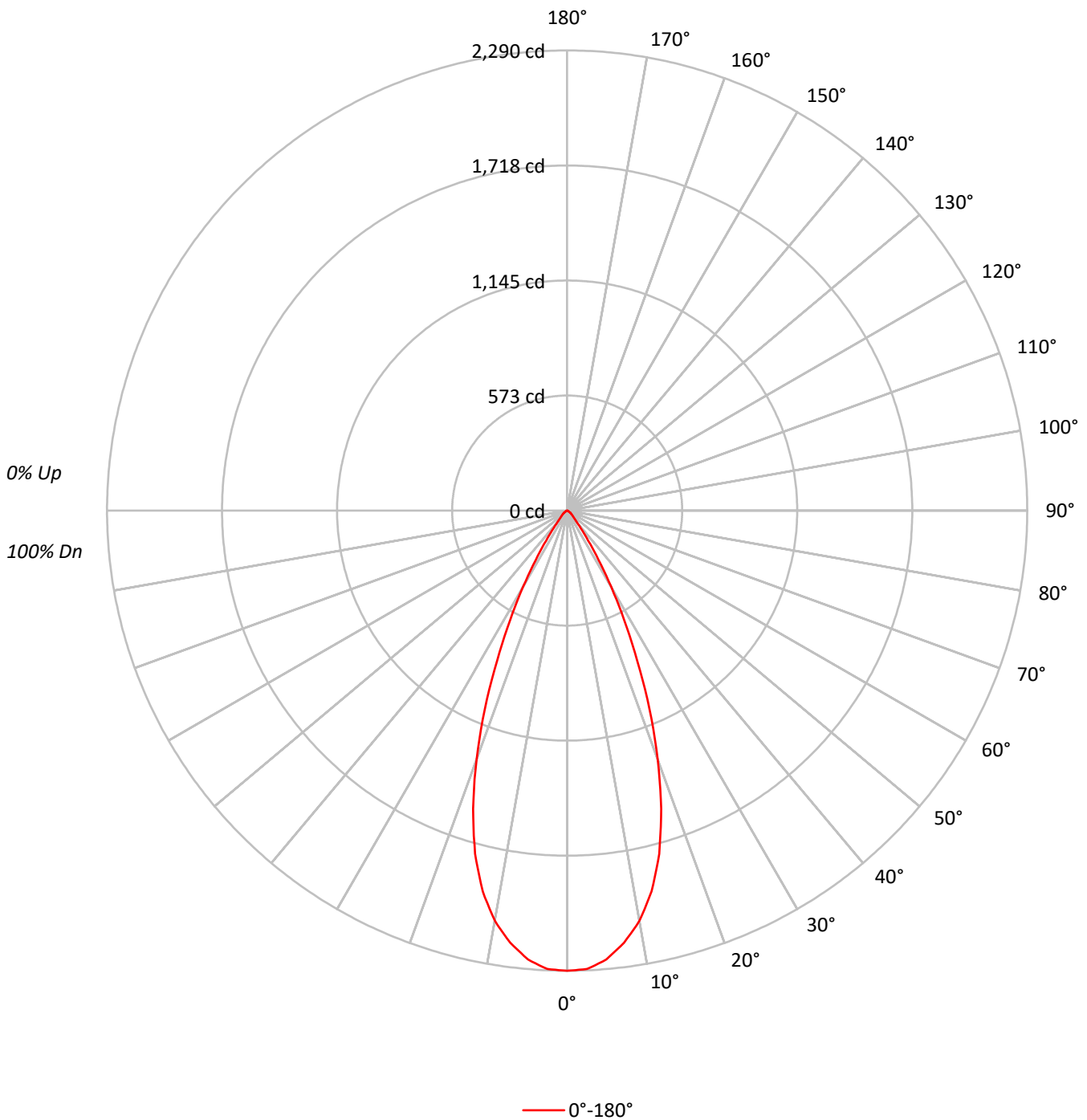
Input Watts (W): 12.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89		93	90	87		90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	80	94	88	83	79	86	82	78		84	81	78		83	80	77	76
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76	72	70	68
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70	66	63	62
10	78	70	65	61	77	69	64	61	69	64	61		68	64	61		67	63	61	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502153
5°	493615
10°	461515
15°	401546
20°	307677
25°	199463
30°	110777
35°	48854
40°	20725
45°	13335
50°	10030
55°	7226
60°	4649
65°	2750
70°	1475
75°	678
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	16.6
10°-20°	482.5	38.4
20°-30°	379.6	30.2
30°-40°	126.9	10.1
40°-50°	35.1	2.8
50°-60°	16.9	1.3
60°-70°	5.7	0.5
70°-80°	0.9	0.1
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°	1070.6	85.2
0°-40°	1197.5	95.3
0°-60°	1249.5	99.5
0°-90°	1256.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2290	
5°	2242	209
15°	1769	482
25°	824	380
35°	182	127
45°	43	35
55°	19	17
65°	5	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2290.0
2.5°	2283.2
5°	2242.5
7.5°	2169.3
10°	2072.7
12.5°	1941.5
15°	1768.8
17.5°	1556.8
20°	1318.5
22.5°	1070.3
25°	824.4
27.5°	612.5
30°	437.5
32.5°	289.6
35°	182.5
37.5°	109.4
40°	72.4
42.5°	54.3
45°	43.0
47.5°	35.5
50°	29.4
52.5°	23.4
55°	18.9
57.5°	13.6
60°	10.6
62.5°	7.5
65°	5.3
67.5°	3.8
70°	2.3
72.5°	1.5
75°	0.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)