

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: P328525

Luminaire Tested: **L815SML10FL940MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328525  
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: L815SML10FL940MB  
Description: Small, 1000lm, 45D, 4000K, black finish  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

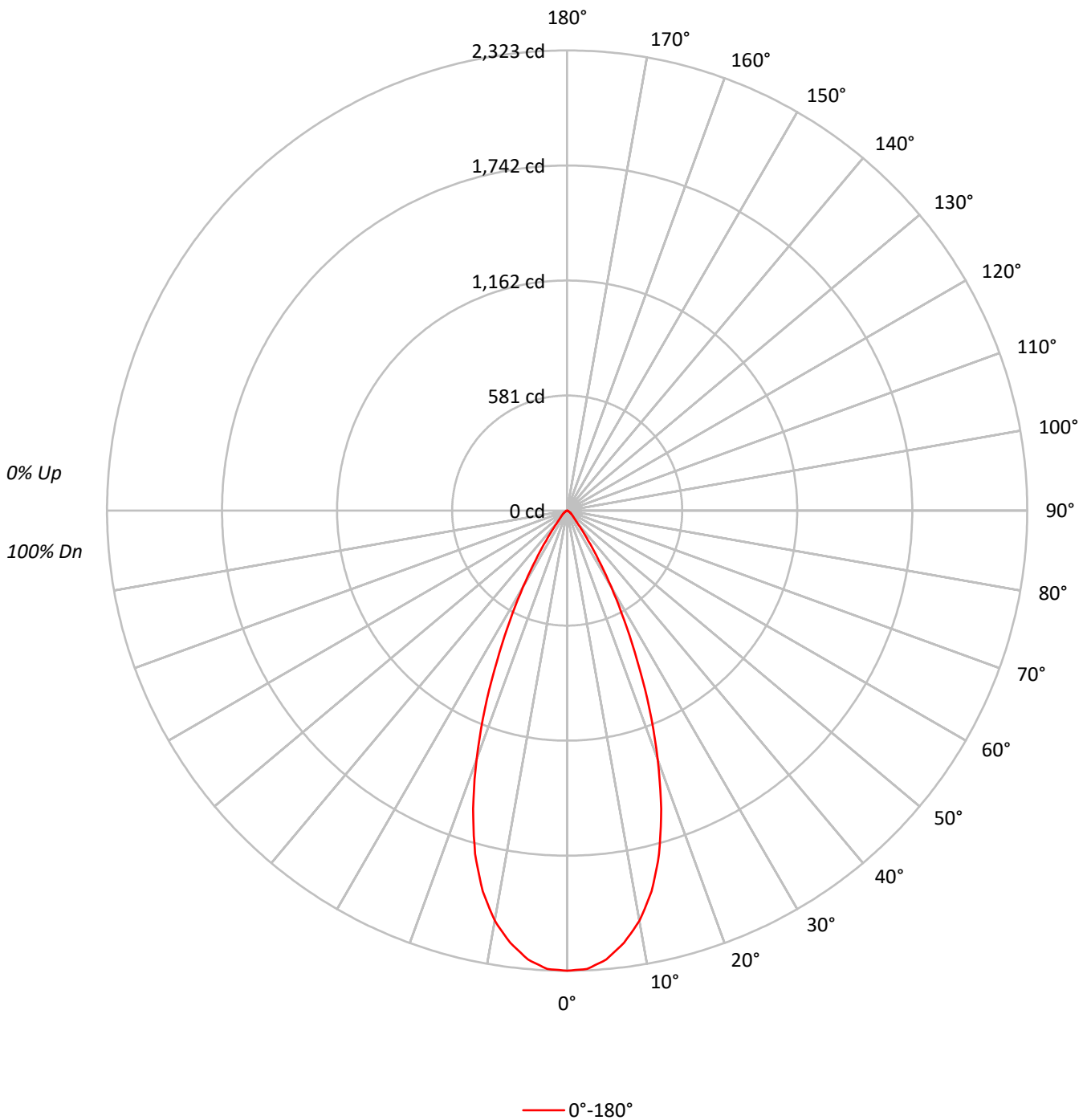
Lumens per Lamp: N/A  
Luminaire Lumens: 1274.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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		81	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°	509345
5°	500681
10°	468128
15°	407290
20°	312087
25°	202318
30°	112346
35°	49550
40°	21011
45°	13521
50°	10166
55°	7302
60°	4693
65°	2802
70°	1475
75°	678
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.5	16.6
10°-20°	489.4	38.4
20°-30°	385.0	30.2
30°-40°	128.7	10.1
40°-50°	35.6	2.8
50°-60°	17.1	1.3
60°-70°	5.8	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°	1085.9	85.2
0°-40°	1214.6	95.3
0°-60°	1267.3	99.5
0°-90°	1274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2323	
5°	2275	212
15°	1794	489
25°	836	385
35°	185	129
45°	44	36
55°	19	17
65°	5	6
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2322.8
2.5°	2315.9
5°	2274.6
7.5°	2200.4
10°	2102.4
12.5°	1969.3
15°	1794.1
17.5°	1579.1
20°	1337.4
22.5°	1085.7
25°	836.2
27.5°	621.2
30°	443.7
32.5°	293.8
35°	185.1
37.5°	110.9
40°	73.4
42.5°	55.1
45°	43.6
47.5°	36.0
50°	29.8
52.5°	23.7
55°	19.1
57.5°	13.8
60°	10.7
62.5°	7.7
65°	5.4
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)