

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: P328433

Luminaire Tested: **L815MED10FL940MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328433  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-12)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED10FL940MB  
Description: Medium, 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: 1182.0 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.66  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

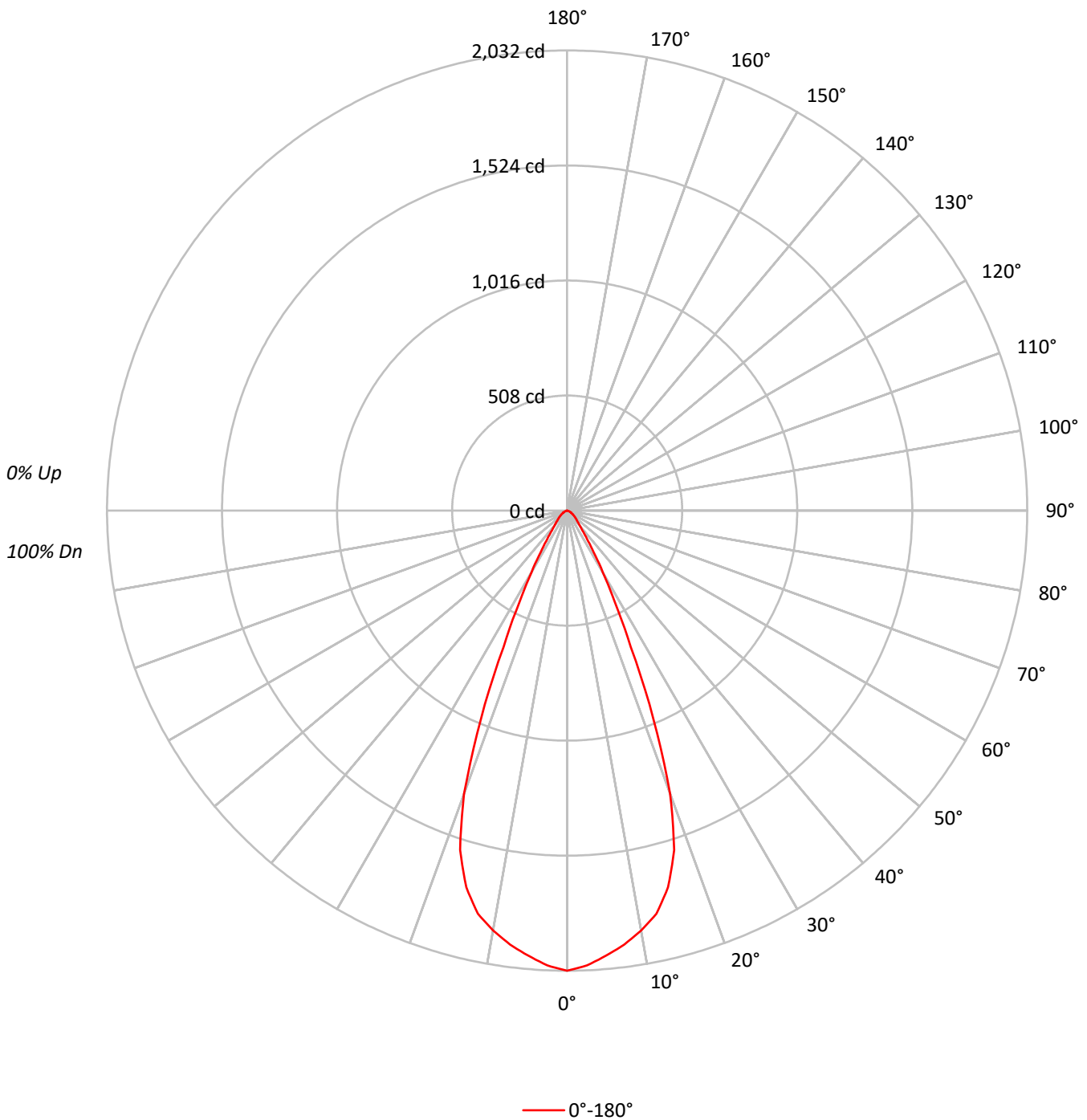
Input Watts (W): 12.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P328433

CATALOG NUMBER: L815MED10FL940MB

### Luminous Intensity Polar Plot





TEST NUMBER: P328433

CATALOG NUMBER: L815MED10FL940MB

**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	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73		79	75	72		78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	66		72	68	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60		67	62	59		66	62	59	58

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

	0°
0°	250626
5°	244253
10°	235805
15°	219907
20°	174604
25°	90491
30°	44836
35°	22692
40°	14089
45°	10588
50°	8769
55°	6946
60°	5649
65°	4495
70°	3390
75°	1668
80°	355
85°	0



TEST NUMBER: P328433

CATALOG NUMBER: L815MED10FL940MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.6	15.7
10°-20°	468.8	39.7
20°-30°	325.8	27.6
30°-40°	104.1	8.8
40°-50°	48.3	4.1
50°-60°	29.6	2.5
60°-70°	15.5	1.3
70°-80°	4.2	0.4
80°-90°	0.1	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°	980.3	82.9
0°-40°	1084.4	91.7
0°-60°	1162.2	98.3
0°-90°	1182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2032	
5°	1973	186
15°	1722	469
25°	665	326
35°	151	104
45°	61	48
55°	32	30
65°	15	16
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P328433

CATALOG NUMBER: L815MED10FL940MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2031.9
2.5°	2010.5
5°	1972.7
7.5°	1932.9
10°	1882.7
12.5°	1823.0
15°	1722.1
17.5°	1571.9
20°	1330.2
22.5°	995.6
25°	664.9
27.5°	455.0
30°	314.8
32.5°	216.8
35°	150.7
37.5°	111.4
40°	87.5
42.5°	72.1
45°	60.7
47.5°	52.2
50°	45.7
52.5°	38.8
55°	32.3
57.5°	27.4
60°	22.9
62.5°	18.9
65°	15.4
67.5°	12.4
70°	9.4
72.5°	6.0
75°	3.5
77.5°	1.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)