

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P279390

Luminaire Tested: **LDA2B059727D010 EU2B05FL409727 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B059727D010 EU2B05FL409727 2LBALD1WMH
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, WMH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 584.1 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

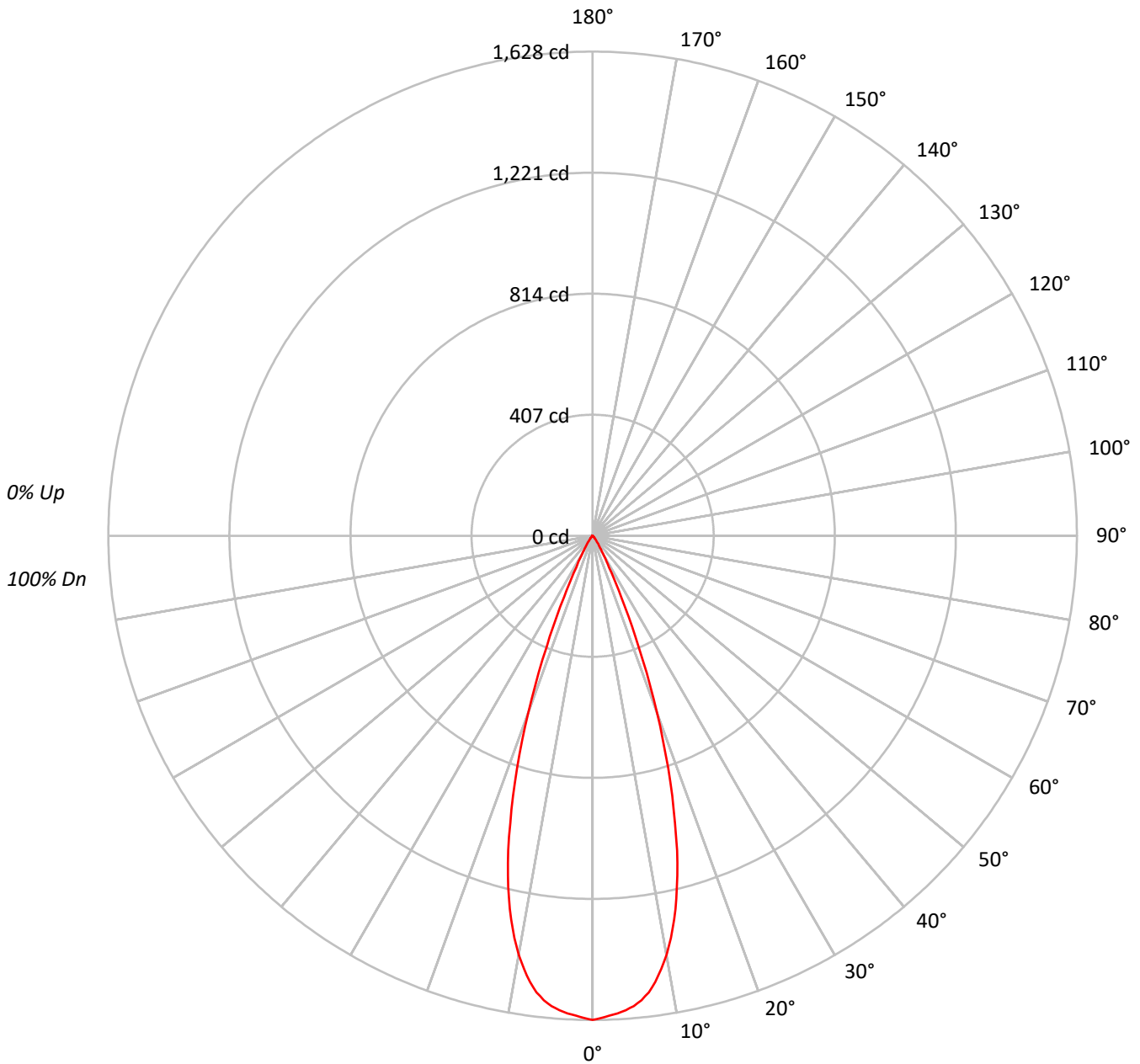
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279390

CATALOG NUMBER: LDA2B059727D010 EU2B05FL409727 2LBALD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P279390

CATALOG NUMBER: LDA2B059727D010 EU2B05FL409727 2LBALD1WMH

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	94	92		94	92	90	89
4	103	98	93	90	102	97	93	90	95	91	89		93	90	88		91	89	87	85
5	100	94	89	86	98	93	89	86	91	88	85		90	87	84		88	86	83	82
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85	83	80	79
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73		79	75	73		78	75	73	72
10	85	78	74	71	84	78	74	71	77	73	71		76	73	70		76	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	803144
5°	786154
10°	716541
15°	559748
20°	331396
25°	123190
30°	38511
35°	17105
40°	7922
45°	3768
50°	2072
55°	1118
60°	493
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P279390

CATALOG NUMBER: LDA2B059727D010 EU2B05FL409727 2LBALD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	25.1
10°-20°	291.8	50.0
20°-30°	119.5	20.5
30°-40°	19.8	3.4
40°-50°	4.7	0.8
50°-60°	1.2	0.2
60°-70°	0.3	0.1
70°-80°	0.0	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°	558.0	95.5
0°-40°	577.8	98.9
0°-60°	583.7	99.9
0°-90°	584.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	584.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1628	
5°	1587	147
15°	1096	292
25°	226	120
35°	28	20
45°	5	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279390

CATALOG NUMBER: LDA2B059727D010 EU2B05FL409727 2LBALD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1627.9
1°	1622.2
2°	1614.7
3°	1608.0
4°	1599.2
5°	1587.4
6°	1570.0
7°	1547.2
8°	1514.7
9°	1475.3
10°	1430.3
11°	1378.0
12°	1319.0
13°	1251.7
14°	1176.9
15°	1095.9
17.5°	869.0
20°	631.2
22.5°	404.1
25°	226.3
27.5°	119.3
30°	67.6
32.5°	42.9
35°	28.4
37.5°	18.8
40°	12.3
42.5°	8.0
45°	5.4
47.5°	3.8
50°	2.7
52.5°	1.9
55°	1.3
57.5°	0.8
60°	0.5
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279390

CATALOG NUMBER: LDA2B059727D010 EU2B05FL409727 2LBALD1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)