

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: P280460

Luminaire Tested: **LDA2B109035D010 EU2B10WFL559035 2LBALD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B109035D010 EU2B10WFL559035 2LBALD1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl w/lens Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 958.9 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

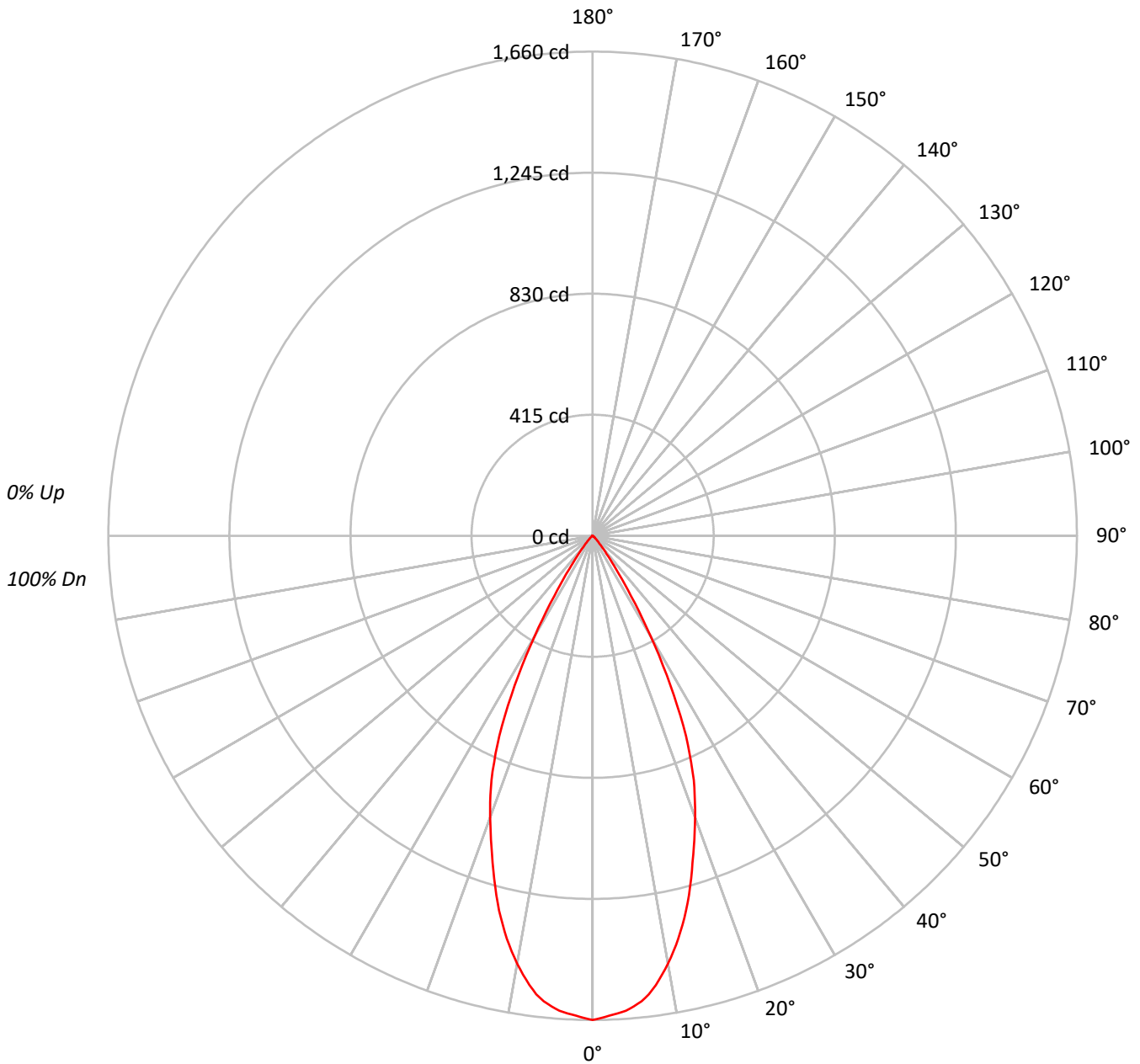
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	110	108	106	106	104	103	102	101	99	98	97	97	97	95	95	93	91	91	91	91	91	91	91	91	95																								
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	90	90	88	86	86	86	86	86	86	86	86	86	90																							
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85	85	85	85	85	85	85	85	85	85	85	85	85	85																							
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80	80	80	80	80	80	80	80	80	80	80	80	80	80																							
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76	76	76	76	76	76	76	76	76	76	76																							
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72	72	72	72	72	72	72	72	72	72	72	72	72	72																							
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	68	68	68	68	68	68	68	68	68	68	68	68	68	68																							
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65																							
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62	62	62	62	62	62	62	62	62	62	62	62	62	62																							
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60																							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	819030
5°	802299
10°	746099
15°	651431
20°	539358
25°	412519
30°	225709
35°	83537
40°	28917
45°	13047
50°	6140
55°	3097
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	15.7
10°-20°	352.5	36.8
20°-30°	333.2	34.7
30°-40°	102.6	10.7
40°-50°	16.2	1.7
50°-60°	3.4	0.4
60°-70°	0.5	0.0
70°-80°	0.1	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°	836.2	87.2
0°-40°	938.8	97.9
0°-60°	958.4	99.9
0°-90°	958.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	958.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1660	
5°	1620	151
15°	1275	353
25°	758	333
35°	139	103
45°	19	16
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1660.1
1°	1653.8
2°	1646.3
3°	1640.1
4°	1632.0
5°	1620.0
6°	1604.5
7°	1583.6
8°	1555.6
9°	1523.1
10°	1489.3
11°	1451.9
12°	1412.4
13°	1369.2
14°	1324.3
15°	1275.4
17.5°	1146.0
20°	1027.3
22.5°	906.7
25°	757.8
27.5°	578.1
30°	396.2
32.5°	243.3
35°	138.7
37.5°	77.4
40°	44.9
42.5°	28.0
45°	18.7
47.5°	12.5
50°	8.0
52.5°	5.3
55°	3.6
57.5°	2.2
60°	0.9
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)