

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: P280044

Luminaire Tested: **LDA2B209050D010 EU2B20FL409050 2LBALD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280044
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: LDA2B209050D010 EU2B20FL409050 2LBALD1MW
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1897.1 lumens
Efficiency: N/A
Efficacy: 92.1 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

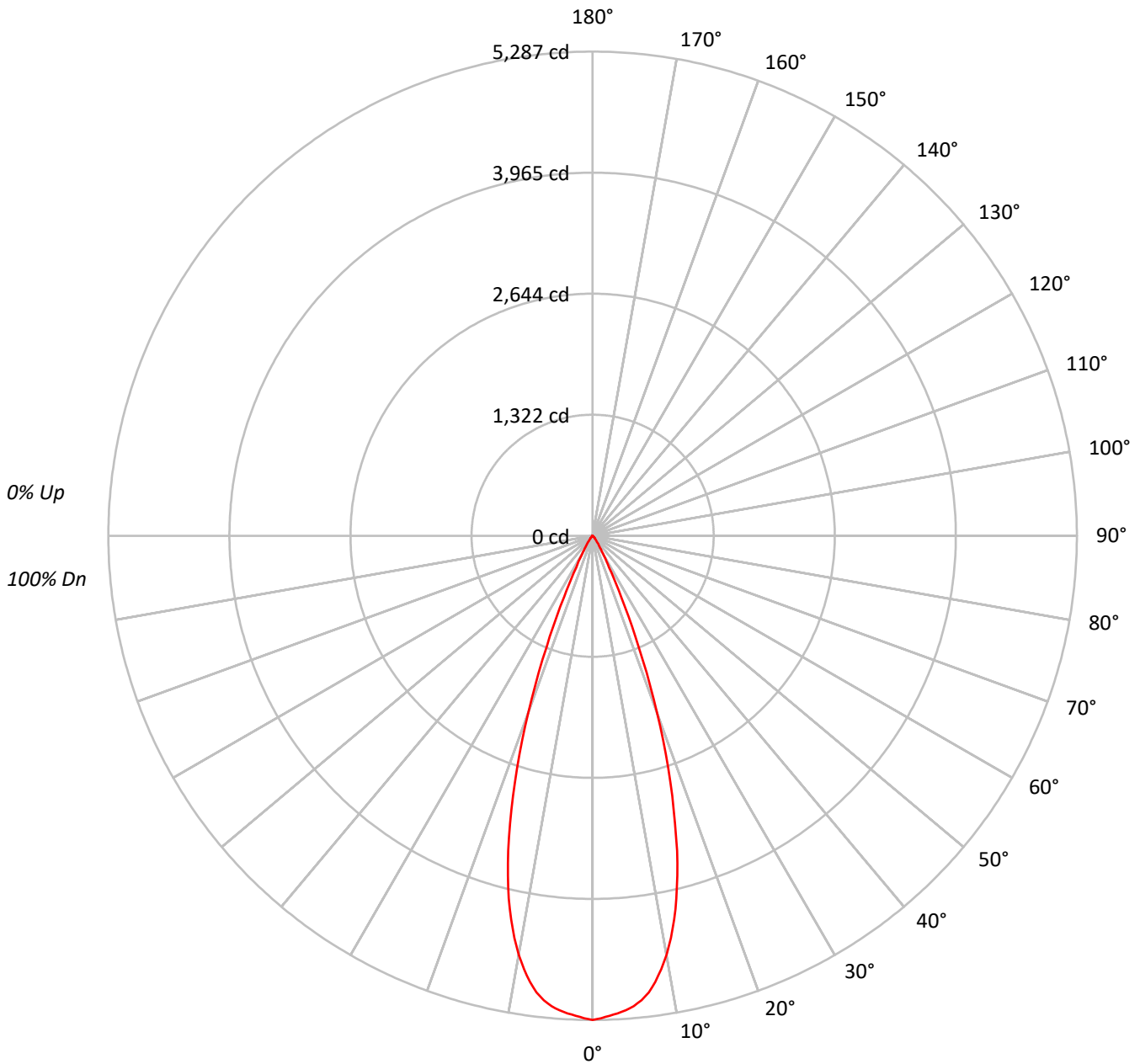
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280044

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBALD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P280044

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBALD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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	82	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°	2608601
5°	2553441
10°	2327269
15°	1818071
20°	1076406
25°	400162
30°	125046
35°	55591
40°	25826
45°	12140
50°	6678
55°	3785
60°	1677
65°	1051
70°	1298
75°	0
80°	0
85°	0



TEST NUMBER: P280044

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBALD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.6	25.1
10°-20°	947.8	50.0
20°-30°	388.2	20.5
30°-40°	64.2	3.4
40°-50°	15.2	0.8
50°-60°	4.0	0.2
60°-70°	1.0	0.1
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°	1812.5	95.5
0°-40°	1876.8	98.9
0°-60°	1896.0	99.9
0°-90°	1897.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1897.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5287	
5°	5156	477
15°	3560	948
25°	735	388
35°	92	64
45°	17	15
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280044

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBALD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5287.4
1°	5269.1
2°	5244.7
3°	5222.9
4°	5194.2
5°	5155.9
6°	5099.3
7°	5025.2
8°	4919.8
9°	4791.8
10°	4645.5
11°	4475.7
12°	4284.1
13°	4065.5
14°	3822.5
15°	3559.5
17.5°	2822.7
20°	2050.2
22.5°	1312.5
25°	735.1
27.5°	387.6
30°	219.5
32.5°	139.3
35°	92.3
37.5°	61.0
40°	40.1
42.5°	26.1
45°	17.4
47.5°	12.2
50°	8.7
52.5°	6.1
55°	4.4
57.5°	2.6
60°	1.7
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P280044

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBALD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)