

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: P280937

Luminaire Tested: **LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280937
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: LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, GPH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1866.7 lumens
Efficiency: N/A
Efficacy: 90.6 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

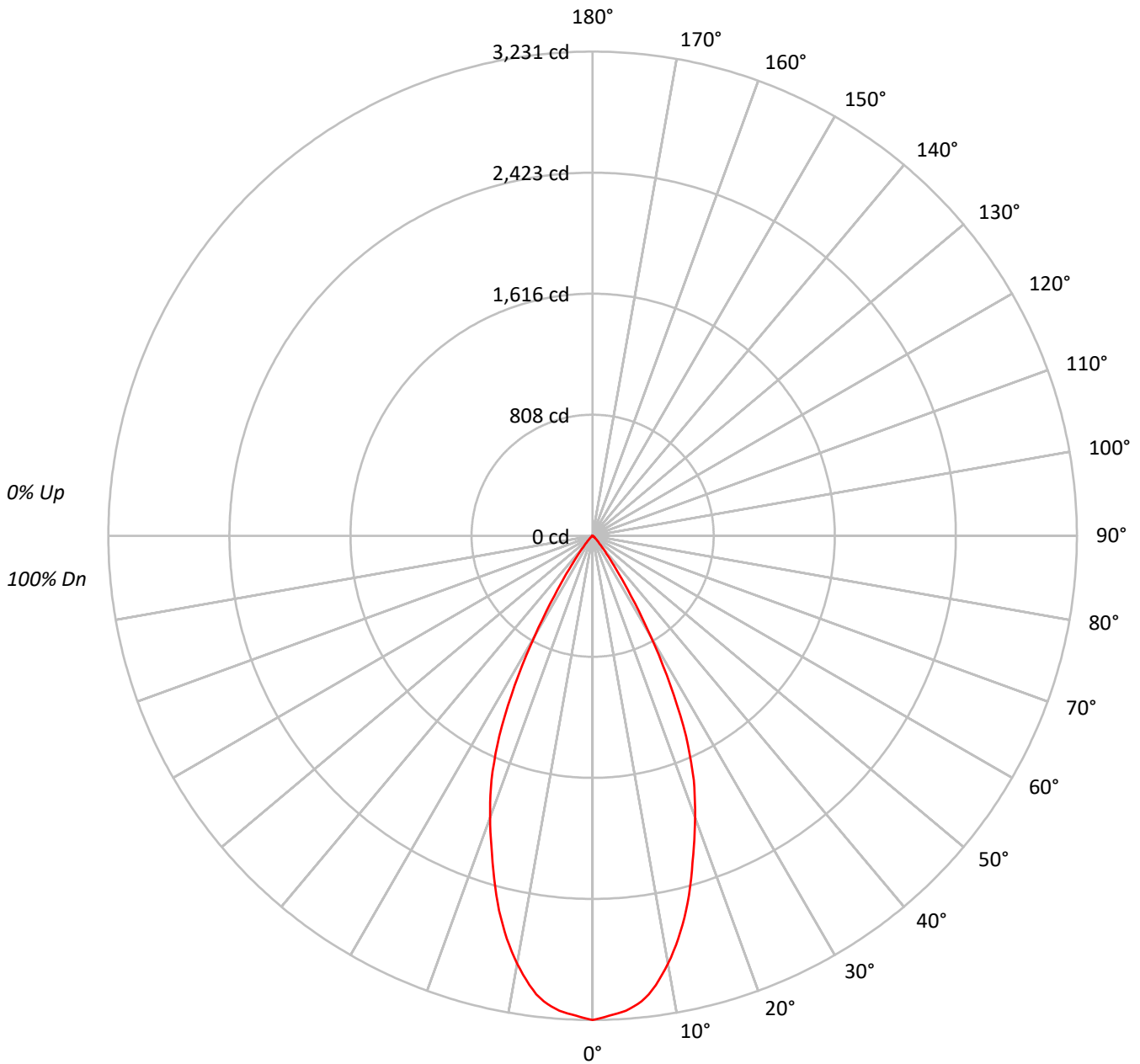
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280937

CATALOG NUMBER: LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P280937

CATALOG NUMBER: LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH

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	110	108	106	106	104	103	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	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°	1594200
5°	1561710
10°	1452270
15°	1268027
20°	1049839
25°	802938
30°	439398
35°	162677
40°	56289
45°	25397
50°	11974
55°	5935
60°	1677
65°	1051
70°	1298
75°	0
80°	0
85°	0



TEST NUMBER: P280937

CATALOG NUMBER: LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.0	15.7
10°-20°	686.2	36.8
20°-30°	648.6	34.7
30°-40°	199.7	10.7
40°-50°	31.5	1.7
50°-60°	6.7	0.4
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°	1627.7	87.2
0°-40°	1827.4	97.9
0°-60°	1865.6	99.9
0°-90°	1866.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3231	
5°	3153	293
15°	2483	686
25°	1475	649
35°	270	200
45°	36	32
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280937

CATALOG NUMBER: LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3231.3
1°	3219.2
2°	3204.5
3°	3192.4
4°	3176.8
5°	3153.4
6°	3123.1
7°	3082.4
8°	3027.9
9°	2964.7
10°	2898.9
11°	2826.2
12°	2749.2
13°	2665.2
14°	2577.8
15°	2482.6
17.5°	2230.7
20°	1999.6
22.5°	1765.0
25°	1475.0
27.5°	1125.3
30°	771.3
32.5°	473.5
35°	270.1
37.5°	150.6
40°	87.4
42.5°	54.5
45°	36.4
47.5°	24.2
50°	15.6
52.5°	10.4
55°	6.9
57.5°	4.3
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: P280937

CATALOG NUMBER: LDA2B209050D010 EU2B20WFL559050 2LBAD1GPH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)