

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: P225475

Luminaire Tested: **LD2B20D010 EU2B20FL409040 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL409040 2LBDLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1455.9 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

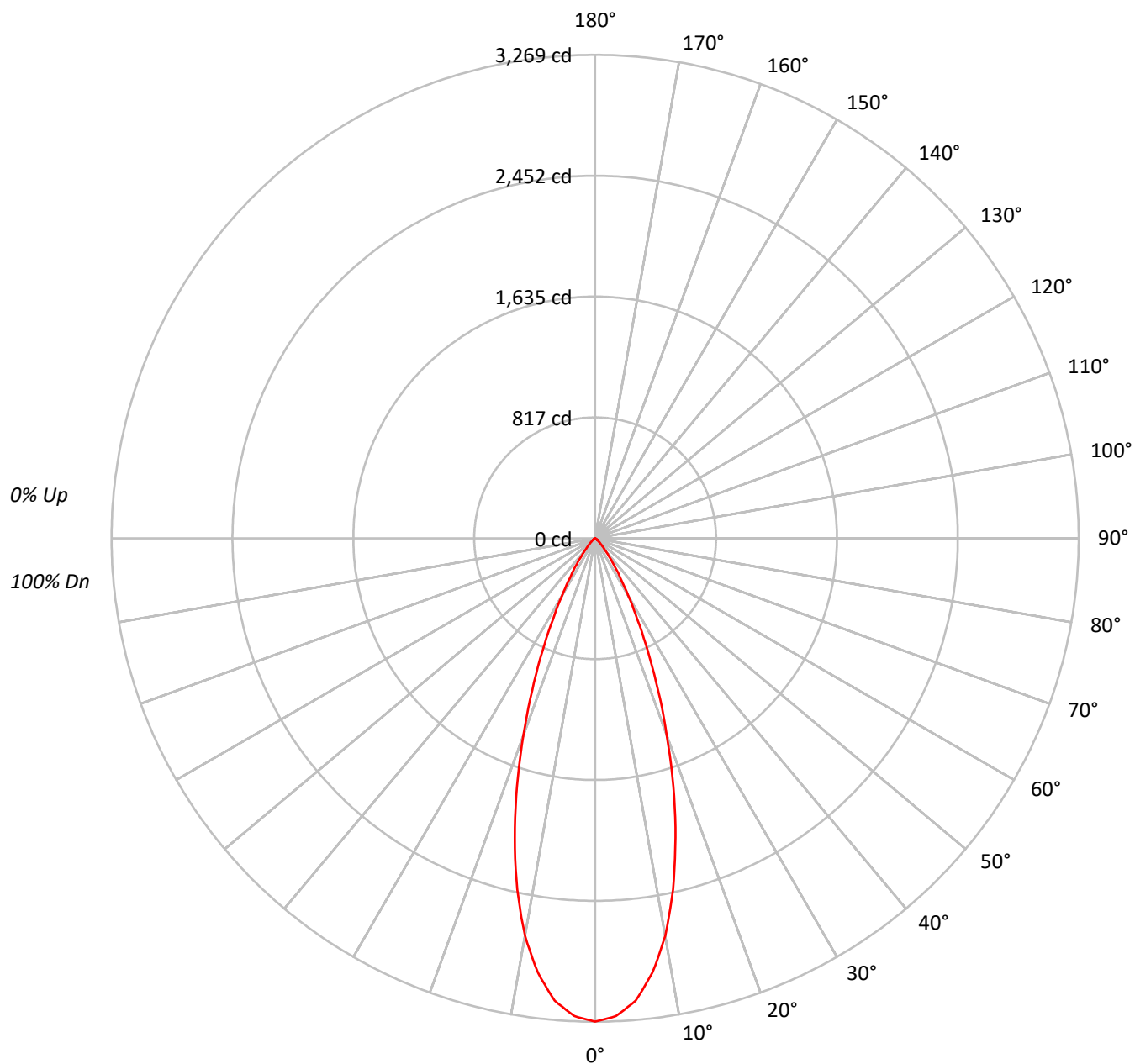
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225475

CATALOG NUMBER: LD2B20D010 EU2B20FL409040 2LBDLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P225475

CATALOG NUMBER: LD2B20D010 EU2B20FL409040 2LBDLC*MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	107	104	101	98	101	98	96		98	96	94		95
3	105	100	95	92	103	98	94	91	96	92	90		93	91	88		91
4	101	94	90	86	99	93	89	86	91	87	85		89	86	84		88
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84
6	93	85	80	77	92	85	80	76	83	79	76		82	78	75		81
7	89	81	76	73	88	81	76	73	80	75	72		79	75	72		78
8	86	78	73	69	85	77	73	69	76	72	69		75	72	69		75
9	83	75	70	66	82	74	69	66	73	69	66		72	69	66		72
10	80	72	67	63	79	71	66	63	70	66	63		70	66	63		69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1266079
5°	1220718
10°	1073610
15°	841520
20°	582858
25°	359092
30°	199795
35°	106583
40°	52840
45°	26951
50°	14824
55°	9657
60°	4726
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225475

CATALOG NUMBER: LD2B20D010 EU2B20FL409040 2LBDLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.3	19.7
10°-20°	573.2	39.4
20°-30°	391.6	26.9
30°-40°	149.3	10.3
40°-50°	41.5	2.8
50°-60°	12.9	0.9
60°-70°	1.2	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°	1251.1	85.9
0°-40°	1400.3	96.2
0°-60°	1454.7	99.9
0°-90°	1455.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1455.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3269	
5°	3140	286
15°	2098	573
25°	840	392
35°	225	149
45°	49	41
55°	14	13
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225475

CATALOG NUMBER: LD2B20D010 EU2B20FL409040 2LBDLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3268.6
2.5°	3233.8
5°	3139.5
7.5°	2963.3
10°	2729.6
12.5°	2432.5
15°	2098.5
17.5°	1756.2
20°	1414.0
22.5°	1110.7
25°	840.2
27.5°	616.8
30°	446.7
32.5°	317.6
35°	225.4
37.5°	157.8
40°	104.5
42.5°	69.7
45°	49.2
47.5°	34.8
50°	24.6
52.5°	18.4
55°	14.3
57.5°	10.2
60°	6.1
62.5°	2.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)