

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: P225369

Luminaire Tested: **LD2B20D010 EU2B20FL409024 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL409024 2LBDC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1162.9 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

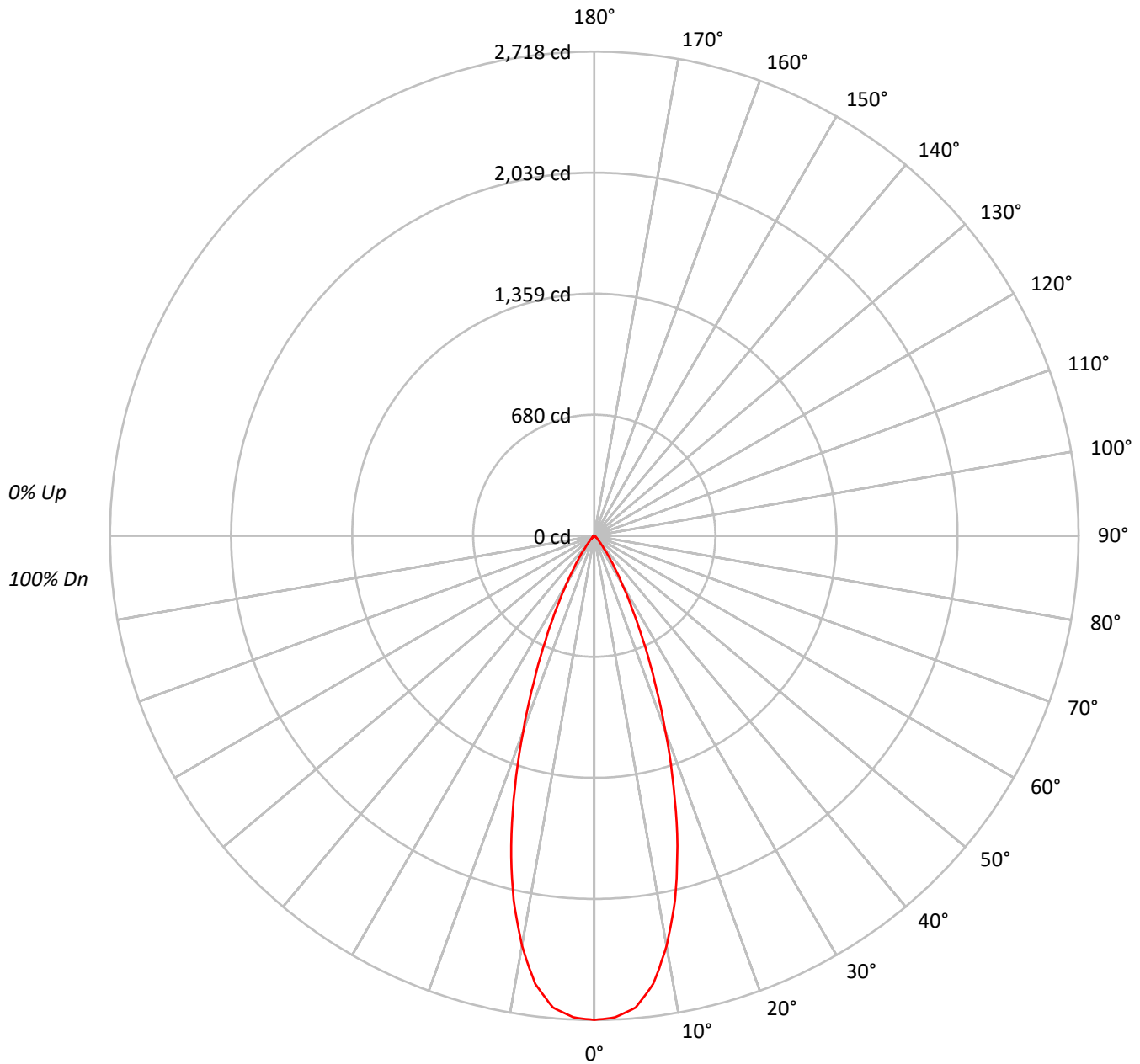
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	93	104	99	95	92	96	93	90		94	91	89		92
4	101	95	90	87	100	94	90	86	92	88	85		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		86	83	80		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	67		73
10	81	73	68	65	80	73	68	65	72	68	65		71	68	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1052768
5°	1033615
10°	918838
15°	722620
20°	480837
25°	276051
30°	139458
35°	65586
40°	26395
45°	13092
50°	7171
55°	5065
60°	4648
65°	2750
70°	3398
75°	2245
80°	3346
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	20.9
10°-20°	488.1	42.0
20°-30°	303.7	26.1
30°-40°	93.4	8.0
40°-50°	20.5	1.8
50°-60°	7.3	0.6
60°-70°	3.7	0.3
70°-80°	2.2	0.2
80°-90°	0.6	0.1
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°	1035.3	89.0
0°-40°	1128.6	97.0
0°-60°	1156.4	99.4
0°-90°	1162.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1162.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2718	
5°	2658	243
15°	1802	488
25°	646	304
35°	139	93
45°	24	21
55°	8	7
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2717.9
2.5°	2706.0
5°	2658.3
7.5°	2537.4
10°	2336.1
12.5°	2094.4
15°	1802.0
17.5°	1482.8
20°	1166.5
22.5°	884.6
25°	645.9
27.5°	455.0
30°	311.8
32.5°	210.3
35°	138.7
37.5°	83.5
40°	52.2
42.5°	35.8
45°	23.9
47.5°	16.4
50°	11.9
52.5°	10.4
55°	7.5
57.5°	6.0
60°	6.0
62.5°	4.5
65°	3.0
67.5°	3.0
70°	3.0
72.5°	3.0
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)