

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: P224326

Luminaire Tested: **LD2B20D010 EU2B20FL408050 2LBDSQLC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224326  
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 EU2B20FL408050 2LBDSQLC\*MW  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1717.6 lumens  
Efficiency: N/A  
Efficacy: 82.2 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

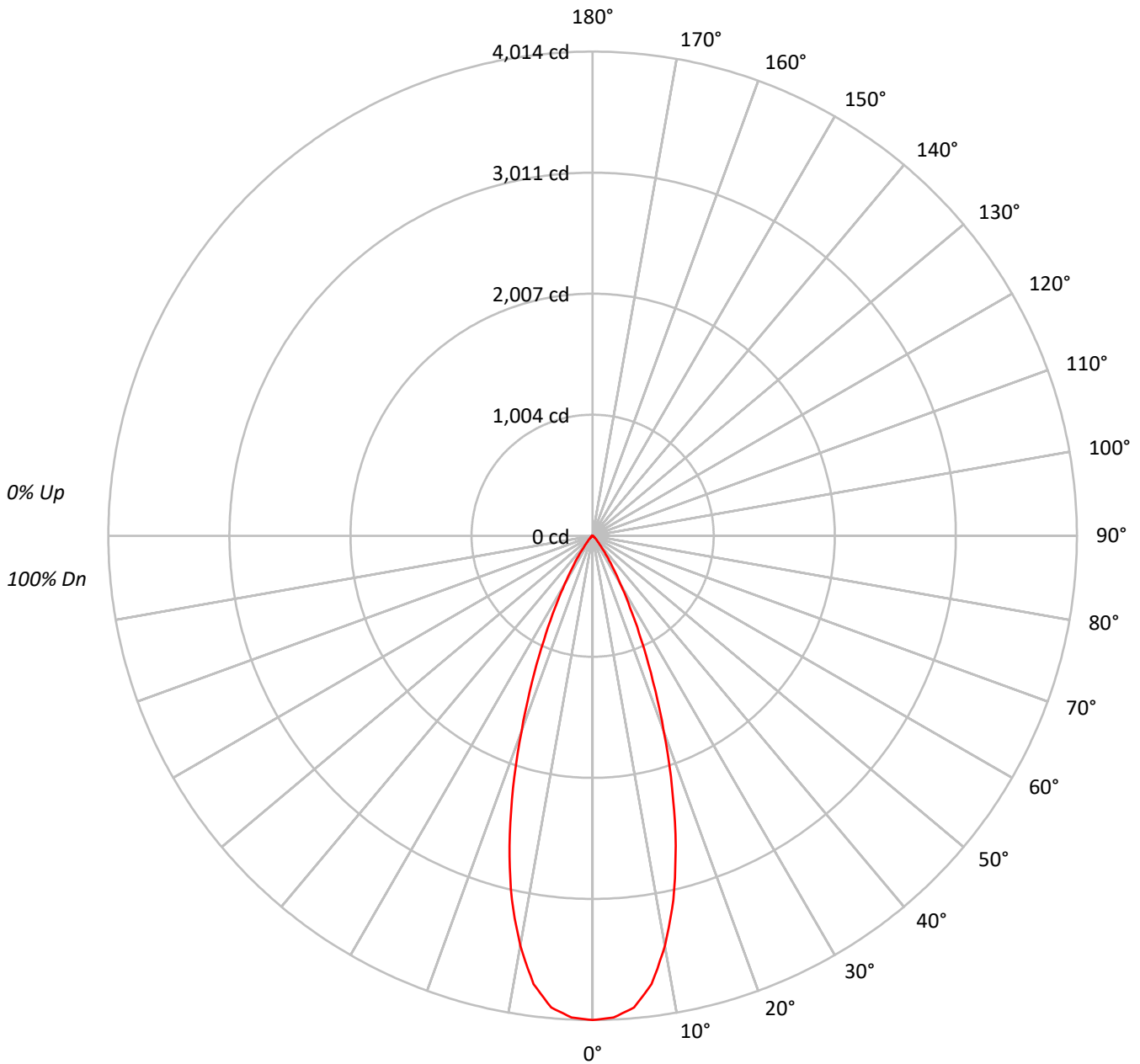
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91																			
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86																			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82																			
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79																			
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75																			
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72																			
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69																			
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66																			
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1554962
5°	1526646
10°	1357116
15°	1067328
20°	710229
25°	407729
30°	205967
35°	96889
40°	38985
45°	19337
50°	10606
55°	7428
60°	6817
65°	4033
70°	4983
75°	3292
80°	4907
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.6	20.9
10°-20°	721.0	42.0
20°-30°	448.5	26.1
30°-40°	137.9	8.0
40°-50°	30.3	1.8
50°-60°	10.8	0.6
60°-70°	5.4	0.3
70°-80°	3.2	0.2
80°-90°	0.9	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°	1529.1	89.0
0°-40°	1667.0	97.1
0°-60°	1708.1	99.4
0°-90°	1717.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1717.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4014	
5°	3926	360
15°	2662	721
25°	954	449
35°	205	138
45°	35	30
55°	11	11
65°	4	5
75°	2	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4014.4
2.5°	3996.8
5°	3926.3
7.5°	3747.8
10°	3450.4
12.5°	3093.4
15°	2661.6
17.5°	2190.1
20°	1723.0
22.5°	1306.6
25°	954.0
27.5°	672.0
30°	460.5
32.5°	310.7
35°	204.9
37.5°	123.4
40°	77.1
42.5°	52.9
45°	35.3
47.5°	24.2
50°	17.6
52.5°	15.4
55°	11.0
57.5°	8.8
60°	8.8
62.5°	6.6
65°	4.4
67.5°	4.4
70°	4.4
72.5°	4.4
75°	2.2
77.5°	2.2
80°	2.2
82.5°	2.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)