

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: P225054

Luminaire Tested: **LD2B20D010 EU2B20FL408030 2LBD\*WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14830)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B20D010 EU2B20FL408030 2LBD\*WMH  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1744.3 lumens  
Efficiency: N/A  
Efficacy: 83.5 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

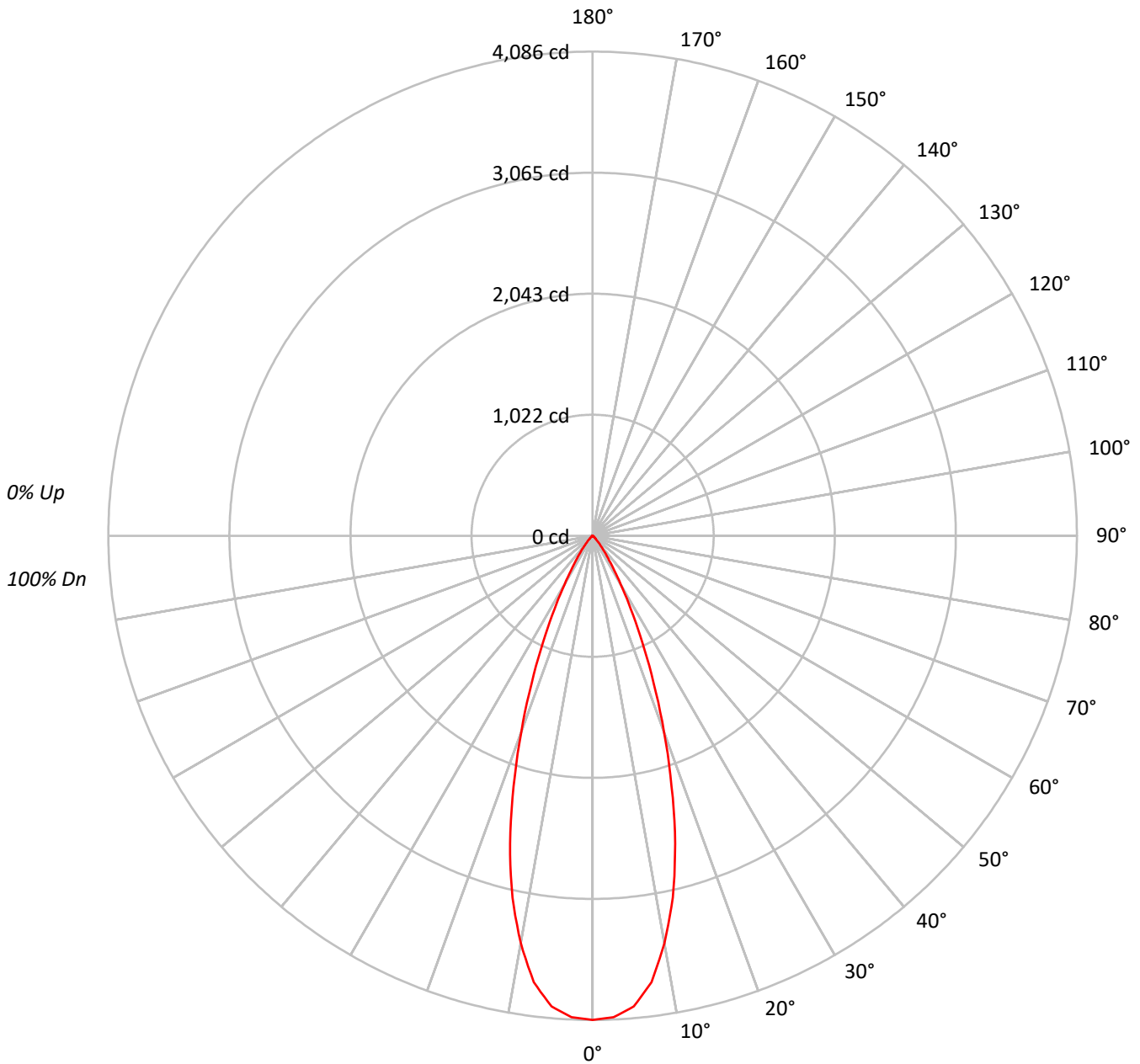
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P225054

CATALOG NUMBER: LD2B20D010 EU2B20FL408030 2LBD\*WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P225054

CATALOG NUMBER: LD2B20D010 EU2B20FL408030 2LBD\*WMH

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

RF	20				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91				91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87				87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83				83
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79				79
6	94	87	82	78	93	86	81	78	85	81	77	83	80	77	82	79	77	75				75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72				72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69				69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66				66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64				64

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

	0°
0°	1582812
5°	1550170
10°	1373282
15°	1079158
20°	725522
25°	421491
30°	210664
35°	99348
40°	46974
45°	20597
50°	10666
55°	5943
60°	3409
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225054

CATALOG NUMBER: LD2B20D010 EU2B20FL408030 2LBD\*WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.8	20.9
10°-20°	729.9	41.8
20°-30°	461.4	26.5
30°-40°	144.3	8.3
40°-50°	33.5	1.9
50°-60°	8.8	0.5
60°-70°	1.6	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°	1556.0	89.2
0°-40°	1700.4	97.5
0°-60°	1742.7	99.9
0°-90°	1744.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1744.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4086	
5°	3987	365
15°	2691	730
25°	986	461
35°	210	144
45°	38	34
55°	9	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225054

CATALOG NUMBER: LD2B20D010 EU2B20FL408030 2LBD\*WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4086.3
2.5°	4066.4
5°	3986.8
7.5°	3798.9
10°	3491.5
12.5°	3126.7
15°	2691.1
17.5°	2215.6
20°	1760.1
22.5°	1340.0
25°	986.2
27.5°	696.5
30°	471.0
32.5°	314.0
35°	210.1
37.5°	141.5
40°	92.9
42.5°	57.5
45°	37.6
47.5°	26.5
50°	17.7
52.5°	13.3
55°	8.8
57.5°	6.6
60°	4.4
62.5°	4.4
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)