

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: P225524

Luminaire Tested: **LD2B20D010 EU2B20FL408035 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL408035 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1761.2 lumens
Efficiency: N/A
Efficacy: 84.3 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

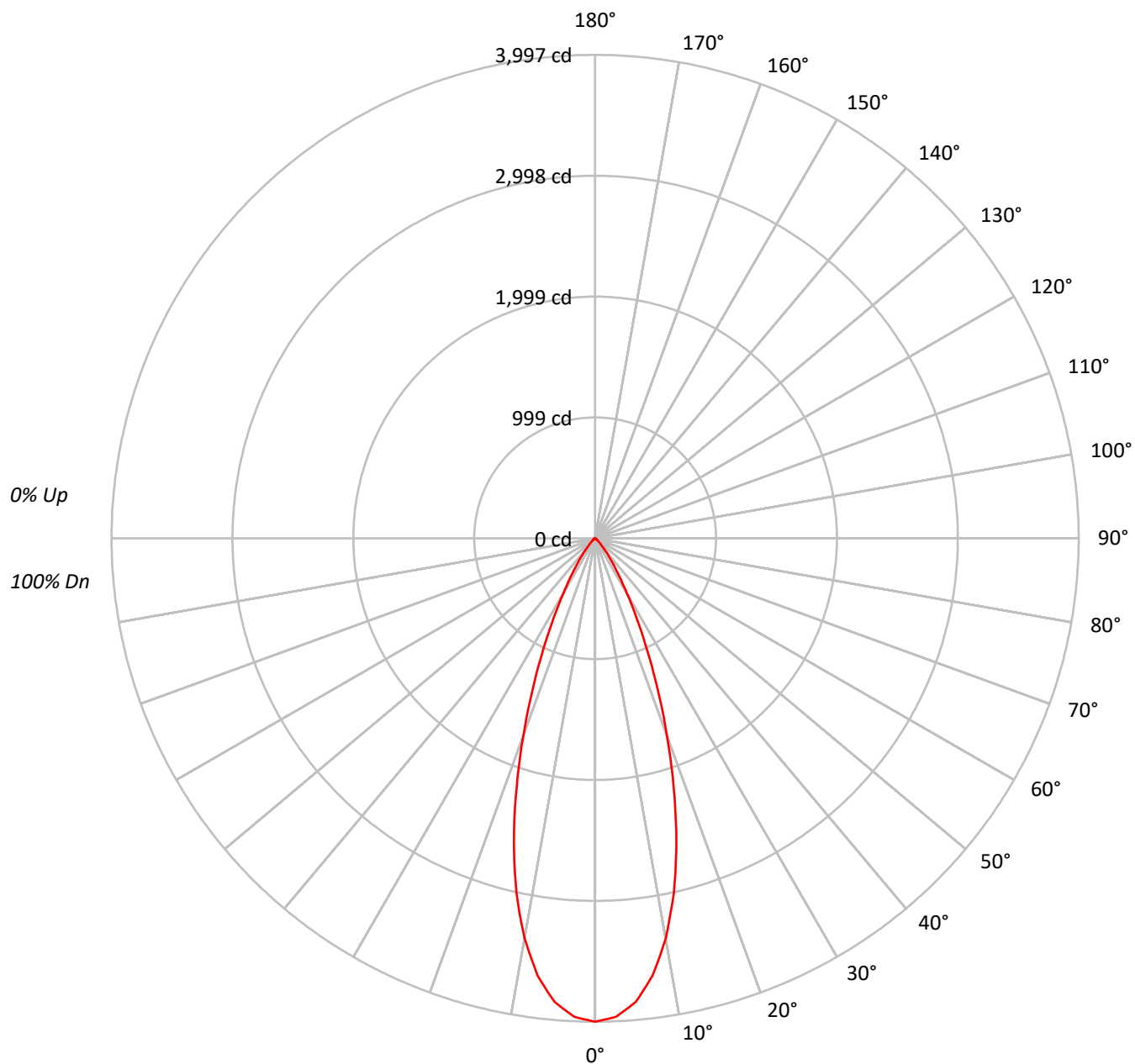
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91
4	101	95	90	86	99	94	89	86	91	88	85		90	86	84		88
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78
8	86	78	73	70	85	78	73	70	77	72	69		76	72	69		75
9	83	75	70	67	82	75	70	67	74	69	66		73	69	66		72
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1548183
5°	1496629
10°	1320537
15°	1040340
20°	714928
25°	431706
30°	234011
35°	120249
40°	58806
45°	27883
50°	14583
55°	9792
60°	5655
65°	2200
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.7	20.0
10°-20°	706.3	40.1
20°-30°	471.8	26.8
30°-40°	170.9	9.7
40°-50°	44.1	2.5
50°-60°	13.2	0.7
60°-70°	3.2	0.2
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°	1529.8	86.9
0°-40°	1700.7	96.6
0°-60°	1757.9	99.8
0°-90°	1761.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1761.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3997	
5°	3849	352
15°	2594	706
25°	1010	472
35°	254	171
45°	51	44
55°	14	13
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3996.9
2.5°	3960.5
5°	3849.1
7.5°	3645.6
10°	3357.4
12.5°	3003.7
15°	2594.3
17.5°	2158.3
20°	1734.4
22.5°	1344.4
25°	1010.1
27.5°	736.4
30°	523.2
32.5°	368.2
35°	254.3
37.5°	176.8
40°	116.3
42.5°	75.1
45°	50.9
47.5°	36.3
50°	24.2
52.5°	19.4
55°	14.5
57.5°	9.7
60°	7.3
62.5°	4.8
65°	2.4
67.5°	2.4
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



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— 0°-180°







(END OF REPORT)