

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: P225008

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL408035 2LBDL*LI
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1775.8 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

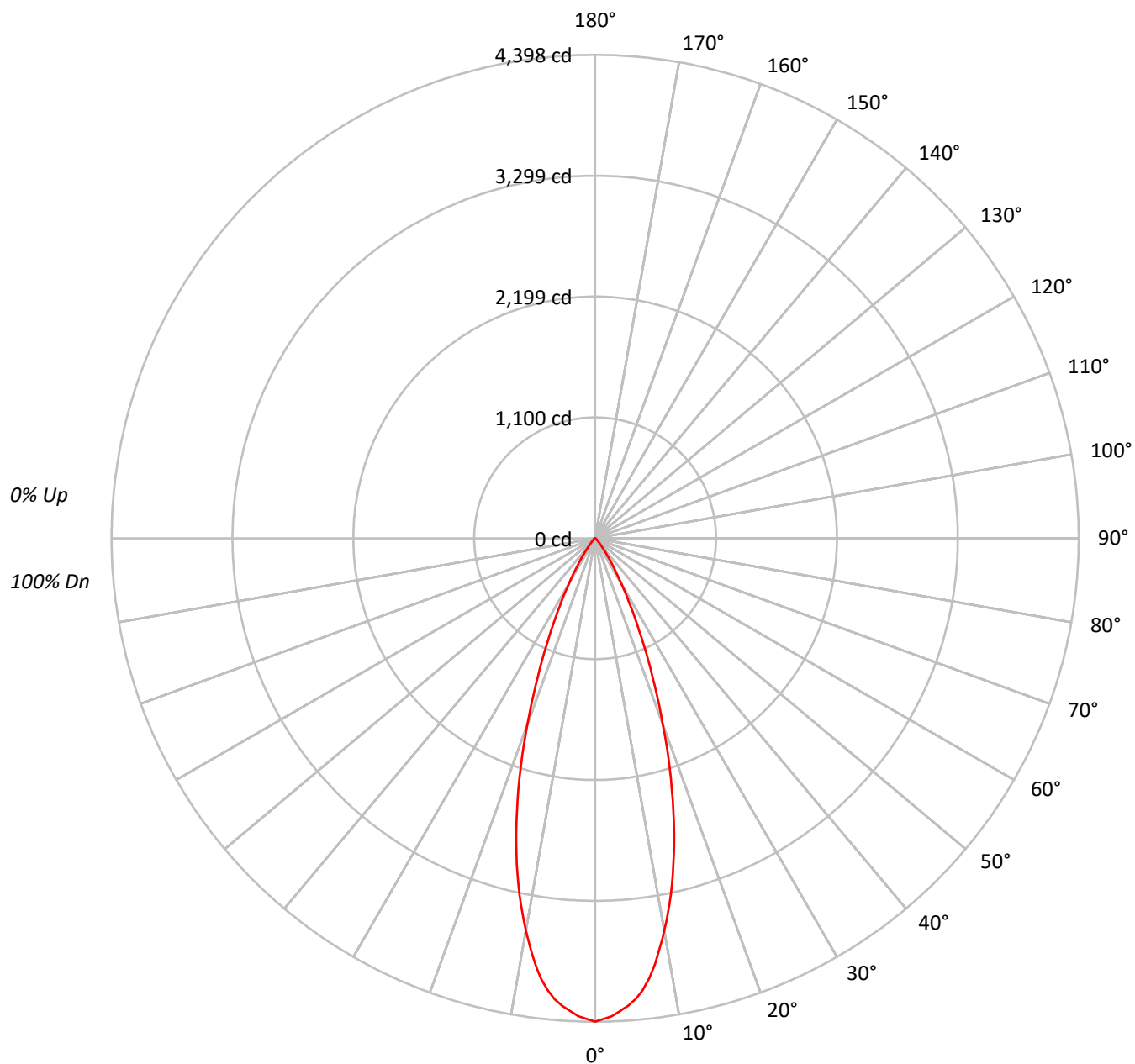
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10		70	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			100
1	114	112	110	108		112	110	108	106		106	105	103			102	101	100			96
2	110	106	103	100		108	104	101	99		101	99	97			98	96	95			91
3	106	101	96	93		104	99	95	92		97	94	91			94	92	90			87
4	102	96	91	88		100	95	90	87		93	89	86			91	88	85			83
5	98	91	86	83		97	90	86	83		89	85	82			87	84	81			79
6	94	87	82	79		93	86	82	79		85	81	78			84	80	78			76
7	91	83	79	75		90	83	78	75		82	78	75			81	77	74			73
8	88	80	75	72		87	80	75	72		79	74	71			78	74	71			70
9	85	77	72	69		84	76	72	69		76	71	69			75	71	68			67
10	82	74	69	66		81	74	69	66		73	69	66			72	68	66			65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1703470
5°	1636956
10°	1425004
15°	1112723
20°	740032
25°	423756
30°	210664
35°	96842
40°	38833
45°	17748
50°	8256
55°	4592
60°	2634
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.2	21.6
10°-20°	752.5	42.4
20°-30°	465.7	26.2
30°-40°	139.4	7.8
40°-50°	27.9	1.6
50°-60°	6.8	0.4
60°-70°	0.4	0.0
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°	1601.3	90.2
0°-40°	1740.7	98.0
0°-60°	1775.4	100.0
0°-90°	1775.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1775.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4398	
5°	4210	383
15°	2775	752
25°	992	466
35°	205	139
45°	32	28
55°	7	7
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4397.8
1°	4373.9
2°	4351.7
3°	4307.3
4°	4266.3
5°	4210.0
6°	4133.2
7°	4036.0
8°	3911.4
9°	3769.7
10°	3623.0
11°	3471.1
12°	3309.0
13°	3140.0
14°	2959.1
15°	2774.8
17.5°	2288.5
20°	1795.3
22.5°	1358.4
25°	991.5
27.5°	696.3
30°	471.0
32.5°	310.6
35°	204.8
37.5°	128.0
40°	76.8
42.5°	49.5
45°	32.4
47.5°	20.5
50°	13.7
52.5°	10.2
55°	6.8
57.5°	5.1
60°	3.4
62.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)