

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: P264827

Luminaire Tested: **LD2B15D010 EU2B1510SP158050 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510SP158050 2LBDL*WMH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1284.0 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

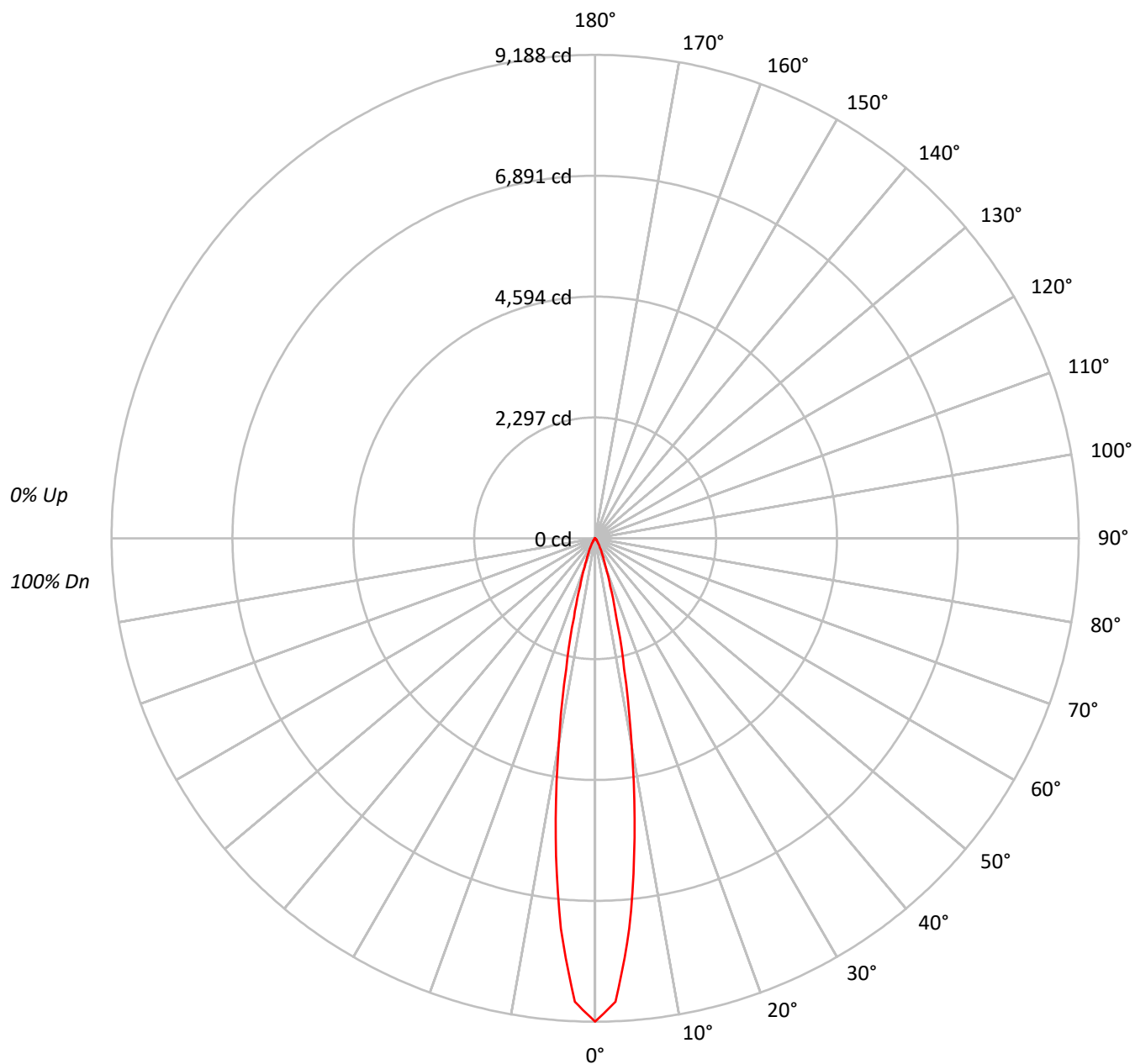
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110		113	111	110	108		107	106	105			104	103	102			100
2	112	108	106	103		110	107	104	102		104	102	100			101	99	98			98
3	109	104	101	98		107	103	100	97		100	98	96			98	96	94			96
4	105	100	97	94		104	99	96	93		97	95	92			96	93	91			94
5	103	97	93	91		101	96	93	90		95	92	89			93	91	89			92
6	100	94	90	88		99	94	90	87		92	89	87			91	88	86			90
7	98	92	88	85		97	91	88	85		90	87	85			89	86	84			88
8	95	89	86	83		94	89	85	83		88	85	82			87	84	82			86
9	93	87	83	81		92	87	83	81		86	83	81			85	82	80			85
10	91	85	82	79		91	85	81	79		84	81	79			84	81	79			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4532761
5°	3689239
10°	1992819
15°	794598
20°	318585
25°	152585
30°	79129
35°	41798
40°	23185
45°	14373
50°	9901
55°	6623
60°	5032
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.1	46.7
10°-20°	472.7	36.8
20°-30°	139.4	10.9
30°-40°	46.4	3.6
40°-50°	17.5	1.4
50°-60°	7.7	0.6
60°-70°	1.2	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°	1211.2	94.3
0°-40°	1257.6	97.9
0°-60°	1282.8	99.9
0°-90°	1284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1284.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9188	
5°	7449	599
15°	1556	473
25°	280	139
35°	69	46
45°	21	17
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9187.5
2.5°	8817.3
5°	7449.3
7.5°	5739.3
10°	3977.9
12.5°	2545.7
15°	1555.7
17.5°	948.8
20°	606.8
22.5°	406.3
25°	280.3
27.5°	198.0
30°	138.9
32.5°	97.7
35°	69.4
37.5°	48.9
40°	36.0
42.5°	28.3
45°	20.6
47.5°	18.0
50°	12.9
52.5°	10.3
55°	7.7
57.5°	7.7
60°	5.1
62.5°	2.6
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



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— 0°-180°







(END OF REPORT)