

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: P264906

Luminaire Tested: **LD2B05D010 EU2B0510SP159027 2LBDL*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264906
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: LD2B05D010 EU2B0510SP159027 2LBDL*B
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 74.4 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

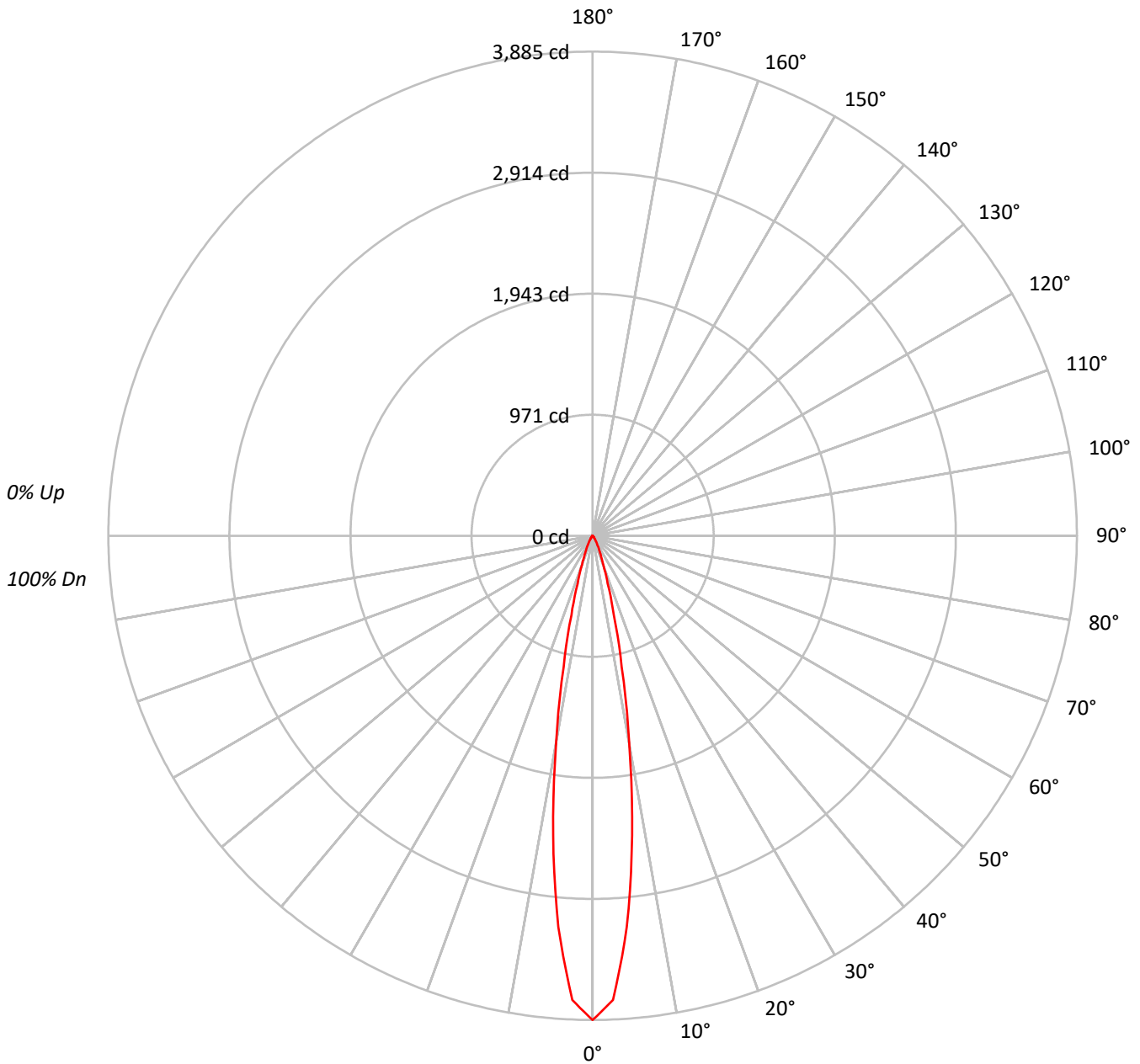
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97																											
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94																											
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92																											
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89																											
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87																											
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85																											
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83																											
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81																											
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79																											
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1916908
5°	1560175
10°	842786
15°	336033
20°	134721
25°	64507
30°	33441
35°	17707
40°	9789
45°	6070
50°	4145
55°	2838
60°	2171
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	46.7
10°-20°	199.9	36.8
20°-30°	59.0	10.9
30°-40°	19.6	3.6
40°-50°	7.4	1.4
50°-60°	3.3	0.6
60°-70°	0.5	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°	512.2	94.3
0°-40°	531.8	97.9
0°-60°	542.5	99.9
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3885	
5°	3150	253
15°	658	200
25°	118	59
35°	29	20
45°	9	7
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3885.4
2.5°	3728.8
5°	3150.3
7.5°	2427.1
10°	1682.3
12.5°	1076.6
15°	657.9
17.5°	401.3
20°	256.6
22.5°	171.8
25°	118.5
27.5°	83.7
30°	58.7
32.5°	41.3
35°	29.4
37.5°	20.7
40°	15.2
42.5°	12.0
45°	8.7
47.5°	7.6
50°	5.4
52.5°	4.3
55°	3.3
57.5°	3.3
60°	2.2
62.5°	1.1
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)