

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: P264893

Luminaire Tested: **LD2B20D010 EU2B2010SP159024 2LBDL*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264893
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: LD2B20D010 EU2B2010SP159024 2LBDL*B
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1221.0 lumens
Efficiency: N/A
Efficacy: 58.4 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

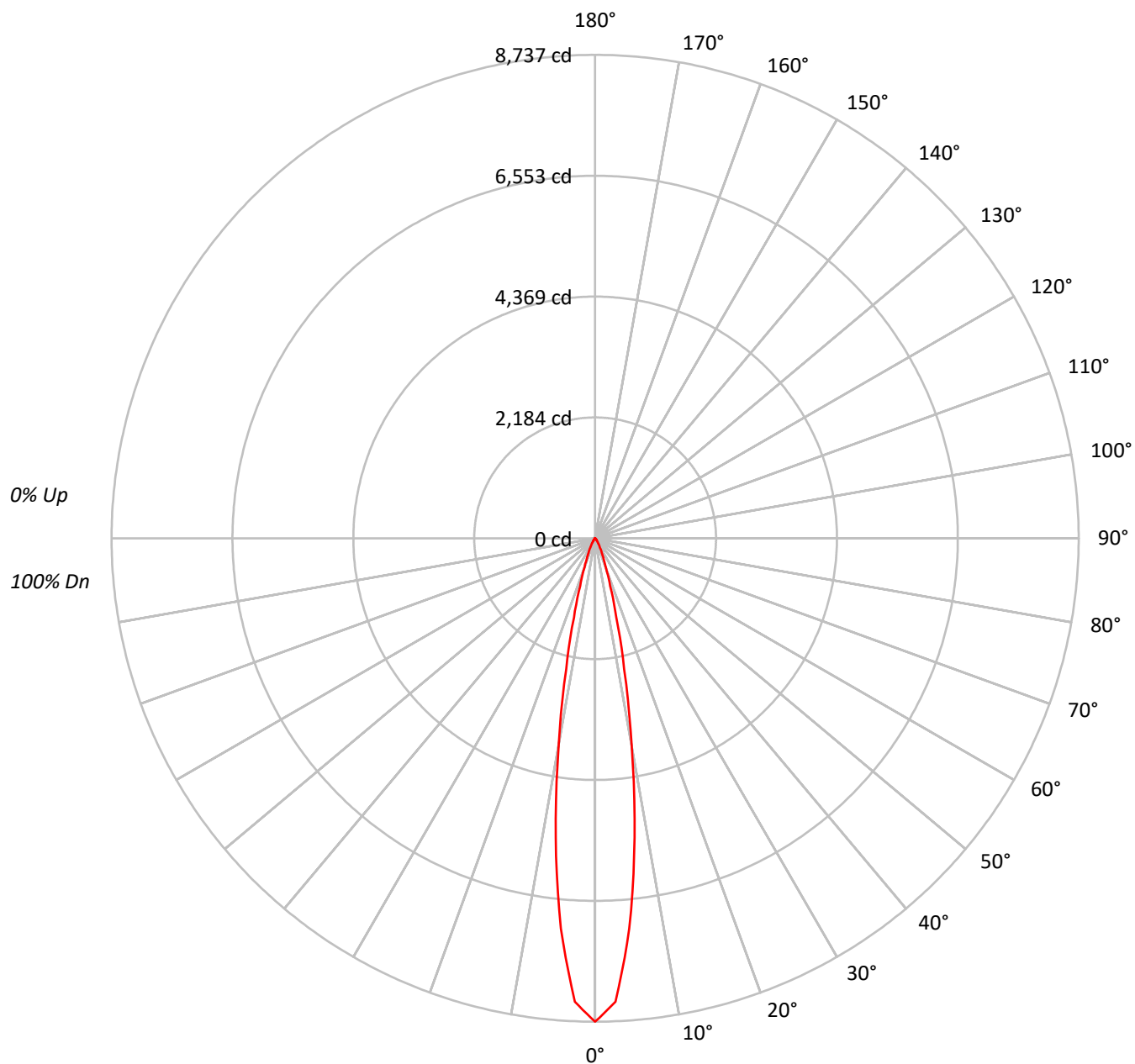
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	110		113	111	110	108		107	106	105		104	103	102		100	99	99
2	112	108	106	103		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98		107	103	100	97		100	98	96		98	96	94		96	94	93
4	106	100	97	94		104	99	96	93		97	95	92		96	93	91		94	92	90
5	103	97	93	91		101	96	93	90		95	92	89		93	91	89		92	90	88
6	100	94	90	88		99	94	90	87		92	89	87		91	88	86		90	88	86
7	98	92	88	85		97	91	88	85		90	87	85		89	86	84		88	86	84
8	95	89	86	83		94	89	85	83		88	85	82		87	84	82		86	84	82
9	93	87	83	81		92	87	83	81		86	83	81		85	82	80		85	82	80
10	91	85	82	79		91	85	81	79		84	81	79		84	81	79		83	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4310403
5°	3508226
10°	1895029
15°	755627
20°	302992
25°	145073
30°	75198
35°	39751
40°	22026
45°	13675
50°	9364
55°	6279
60°	4835
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.7	46.7
10°-20°	449.5	36.8
20°-30°	132.6	10.9
30°-40°	44.1	3.6
40°-50°	16.6	1.4
50°-60°	7.3	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°	1151.7	94.3
0°-40°	1195.9	97.9
0°-60°	1219.8	99.9
0°-90°	1221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8737	
5°	7084	570
15°	1479	449
25°	266	133
35°	66	44
45°	20	17
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8736.8
2.5°	8384.6
5°	7083.8
7.5°	5457.7
10°	3782.7
12.5°	2420.8
15°	1479.4
17.5°	902.3
20°	577.1
22.5°	386.3
25°	266.5
27.5°	188.3
30°	132.0
32.5°	92.9
35°	66.0
37.5°	46.5
40°	34.2
42.5°	26.9
45°	19.6
47.5°	17.1
50°	12.2
52.5°	9.8
55°	7.3
57.5°	7.3
60°	4.9
62.5°	2.4
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



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— 0°-180°







(END OF REPORT)