

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: P264637

Luminaire Tested: **LD2B20D010 EU2B2010SP158027 2LBSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264637
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 EU2B2010SP158027 2LBSQLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1640.0 lumens
Efficiency: N/A
Efficacy: 78.5 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

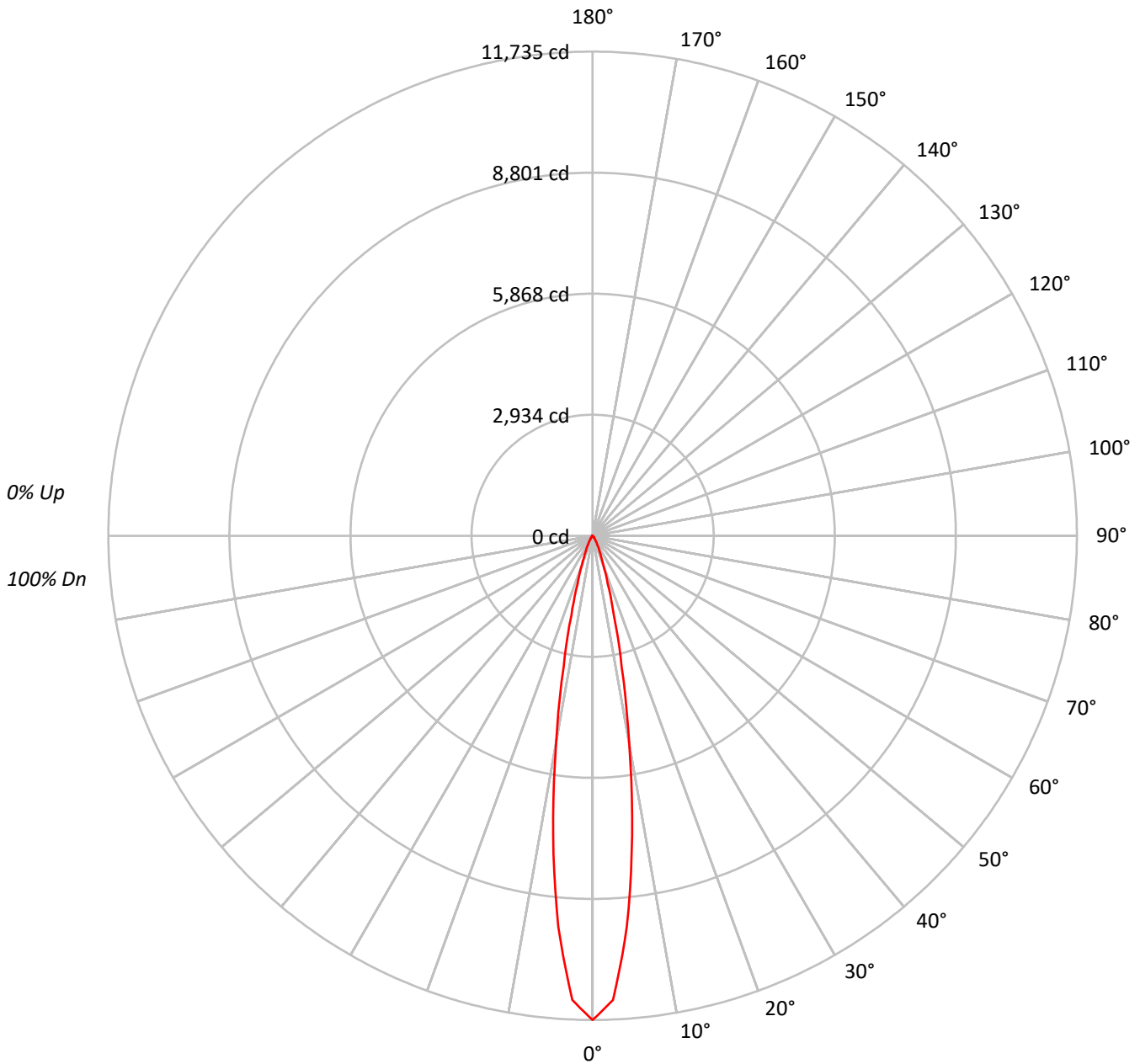
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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°	5789551
5°	4712120
10°	2545342
15°	1014891
20°	406947
25°	194882
30°	101062
35°	53423
40°	29626
45°	18350
50°	12588
55°	8515
60°	6512
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.2	46.7
10°-20°	603.7	36.8
20°-30°	178.1	10.9
30°-40°	59.3	3.6
40°-50°	22.3	1.4
50°-60°	9.9	0.6
60°-70°	1.6	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°	1547.0	94.3
0°-40°	1606.3	97.9
0°-60°	1638.4	99.9
0°-90°	1640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1640.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11735	
5°	9515	765
15°	1987	604
25°	358	178
35°	89	59
45°	26	22
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11734.9
2.5°	11261.9
5°	9514.7
7.5°	7330.6
10°	5080.8
12.5°	3251.5
15°	1987.0
17.5°	1211.9
20°	775.1
22.5°	518.9
25°	358.0
27.5°	252.9
30°	177.4
32.5°	124.8
35°	88.7
37.5°	62.4
40°	46.0
42.5°	36.1
45°	26.3
47.5°	23.0
50°	16.4
52.5°	13.1
55°	9.9
57.5°	9.9
60°	6.6
62.5°	3.3
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)