

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: P264738

Luminaire Tested: **LD2B20D010 EU2B2010SP158035 2LBLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264738
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 EU2B2010SP158035 2LBLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1577.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

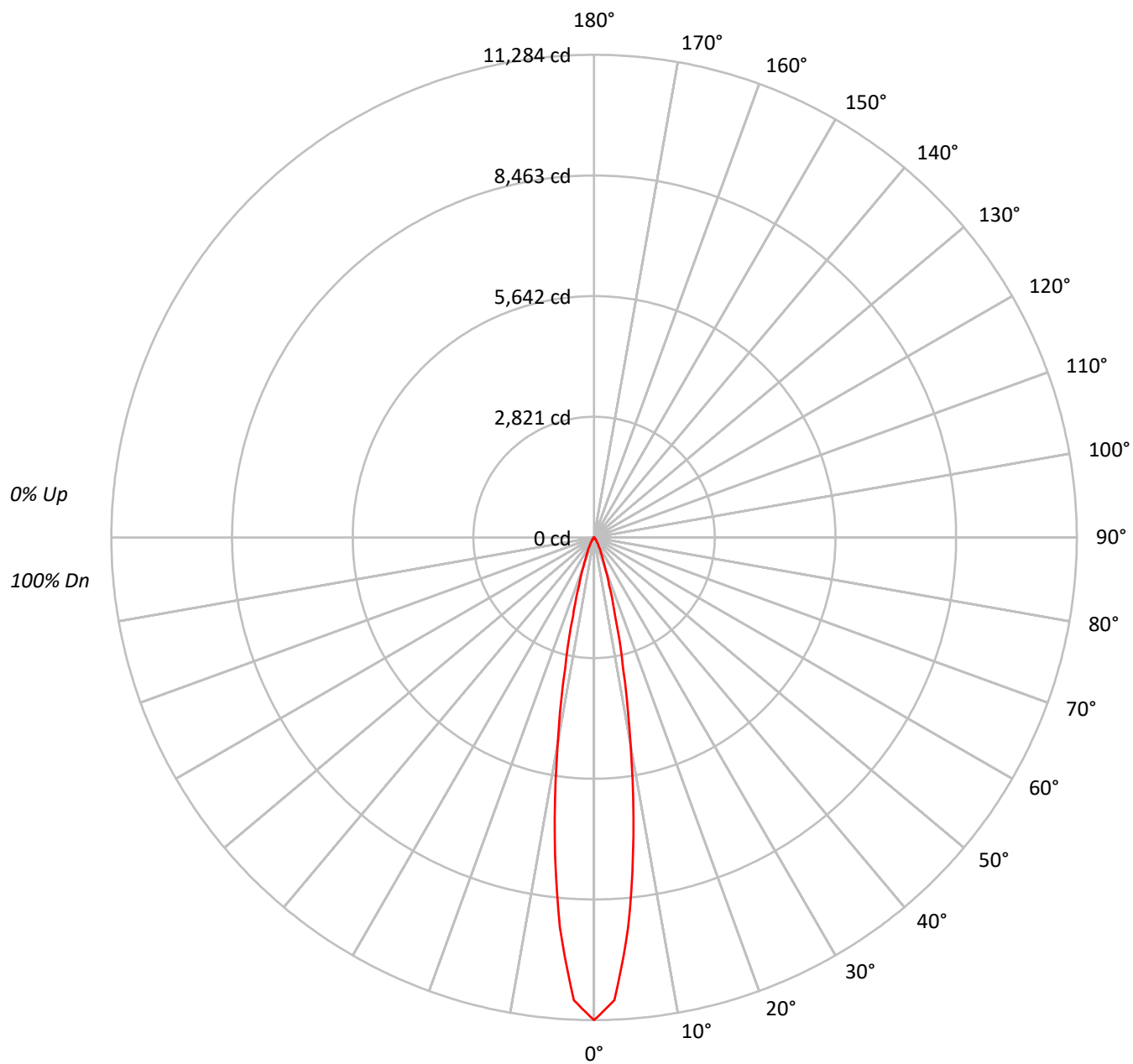
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	105	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°	5567144
5°	4531108
10°	2447602
15°	975920
20°	391301
25°	187370
30°	97131
35°	51375
40°	28466
45°	17652
50°	12127
55°	8171
60°	6216
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.8	46.7
10°-20°	580.5	36.8
20°-30°	171.2	10.9
30°-40°	57.0	3.6
40°-50°	21.4	1.4
50°-60°	9.5	0.6
60°-70°	1.5	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°	1487.6	94.3
0°-40°	1544.6	97.9
0°-60°	1575.5	99.9
0°-90°	1577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11284	
5°	9149	736
15°	1911	581
25°	344	171
35°	85	57
45°	25	21
55°	10	9
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11284.1
2.5°	10829.3
5°	9149.2
7.5°	7049.0
10°	4885.7
12.5°	3126.6
15°	1910.7
17.5°	1165.4
20°	745.3
22.5°	499.0
25°	344.2
27.5°	243.2
30°	170.5
32.5°	120.0
35°	85.3
37.5°	60.0
40°	44.2
42.5°	34.7
45°	25.3
47.5°	22.1
50°	15.8
52.5°	12.6
55°	9.5
57.5°	9.5
60°	6.3
62.5°	3.2
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)