

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: P264530

Luminaire Tested: **LD2B20D010 EU2B2010SP159727 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010SP159727 2LBDC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1162.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

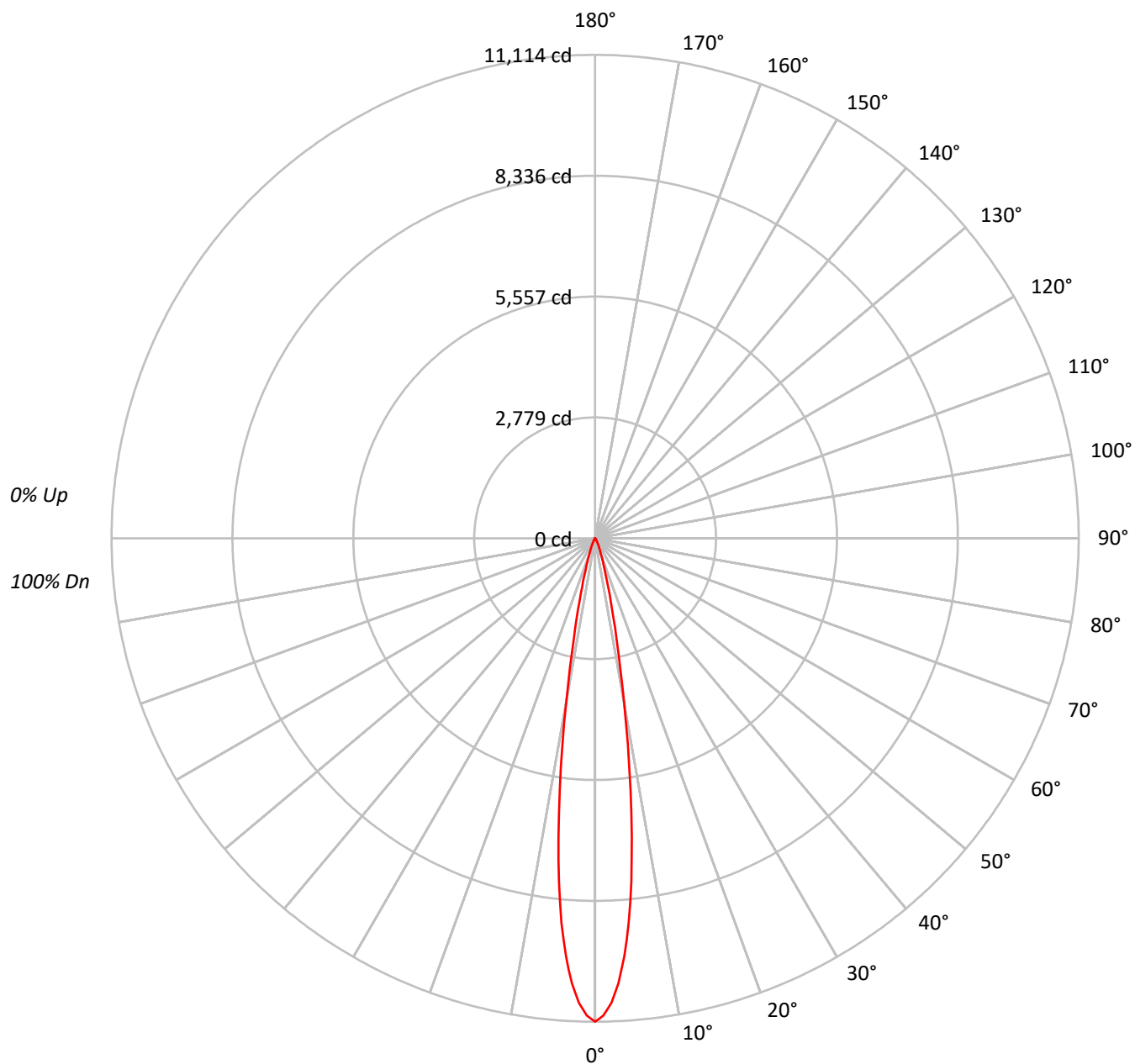
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	116	114	112	111		113	112	110	109		108	107	106			104	103	102			98
2	113	109	107	105		111	108	106	104		105	103	101			102	101	99			96
3	110	106	103	100		108	105	102	100		102	100	98			100	98	97			94
4	107	103	99	97		106	102	99	96		100	97	95			98	96	94			92
5	105	100	97	94		104	99	96	94		98	95	93			96	94	92			90
6	103	98	94	92		102	97	94	91		96	93	91			95	92	90			89
7	101	95	92	90		100	95	92	89		94	91	89			93	90	89			87
8	99	93	90	88		98	93	90	88		92	89	87			91	89	87			86
9	97	92	88	86		96	91	88	86		91	88	86			90	87	86			85
10	95	90	87	85		95	90	87	85		89	86	85			89	86	84			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5483026
5°	4394915
10°	1918174
15°	594429
20°	207227
25°	91508
30°	41416
35°	21562
40°	12301
45°	5791
50°	3684
55°	2064
60°	1184
65°	1401
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.9	58.0
10°-20°	369.1	31.8
20°-30°	84.1	7.2
30°-40°	24.2	2.1
40°-50°	7.5	0.6
50°-60°	2.3	0.2
60°-70°	1.0	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°	1127.1	97.0
0°-40°	1151.3	99.1
0°-60°	1161.0	99.9
0°-90°	1162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1162.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11114	
5°	8874	674
15°	1164	369
25°	168	84
35°	36	24
45°	8	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11113.6
1°	10975.3
2°	10687.9
3°	10241.9
4°	9629.0
5°	8874.2
6°	7948.8
7°	6915.0
8°	5835.8
9°	4791.2
10°	3828.9
11°	3014.5
12°	2373.0
13°	1867.4
14°	1475.1
15°	1163.8
16°	918.2
17°	731.0
18°	587.9
19°	478.2
20°	394.7
22.5°	255.2
25°	168.1
26°	141.9
27°	120.4
28°	101.4
29°	84.7
30°	72.7
32.5°	50.1
35°	35.8
37.5°	26.2
40°	19.1
42.5°	13.1
45°	8.3
47.5°	6.0
50°	4.8
52.5°	3.6
55°	2.4
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2



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CANDELA DISTRIBUTION (continued):

	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°







70°	0.0
72.5°	0.0



(END OF REPORT)