

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: P264420

Luminaire Tested: **LD2B20D010 EU2B2010SP159040 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264420
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 EU2B2010SP159040 2LBD*H
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1428.0 lumens
Efficiency: N/A
Efficacy: 68.3 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

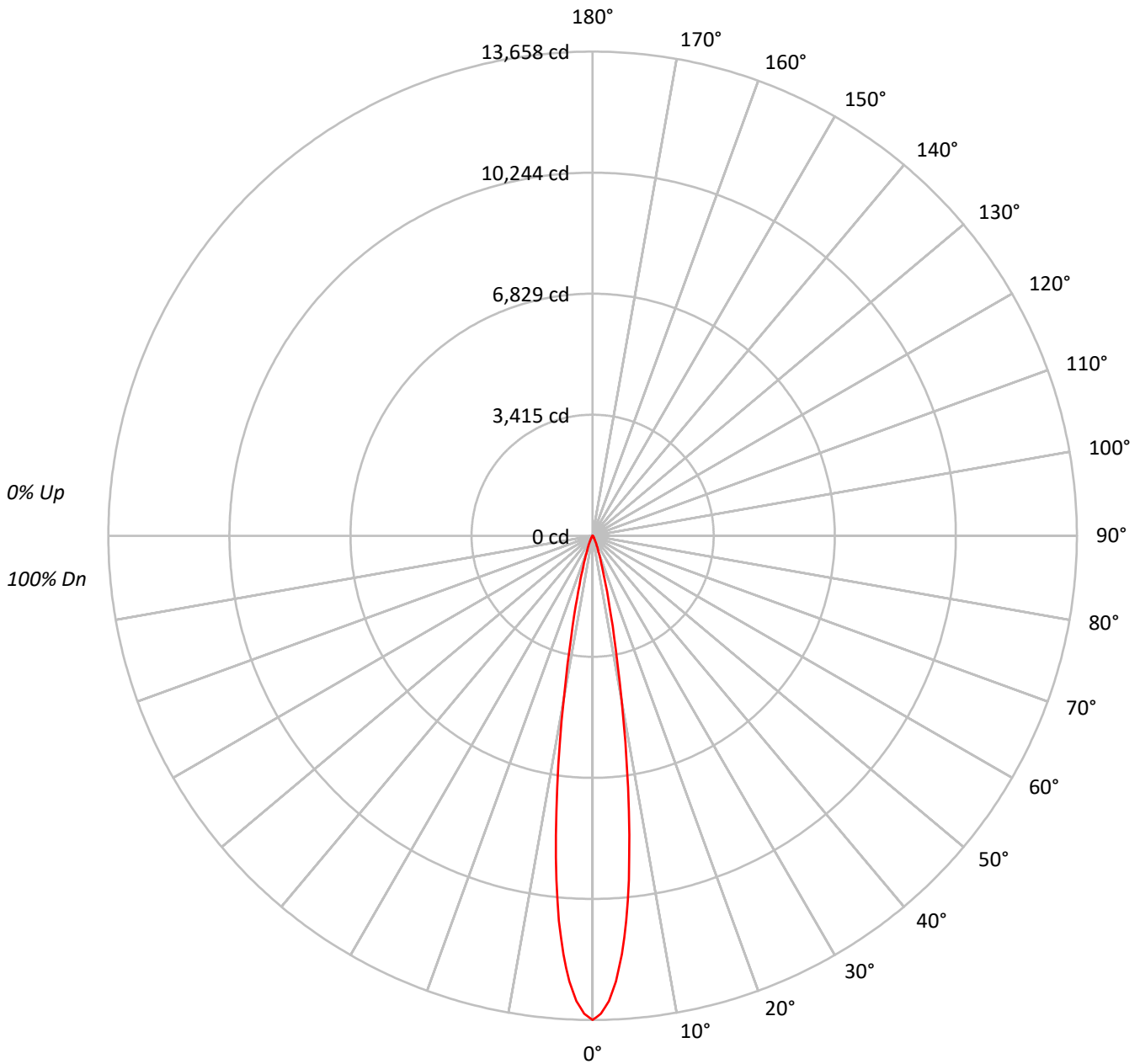
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98			
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96			
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94			
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92			
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90			
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89			
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87			
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86			
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6738187
5°	5400959
10°	2357327
15°	730497
20°	254689
25°	112466
30°	50930
35°	26500
40°	15070
45°	7187
50°	4528
55°	2494
60°	1480
65°	1751
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.2	58.0
10°-20°	453.5	31.8
20°-30°	103.4	7.2
30°-40°	29.7	2.1
40°-50°	9.2	0.6
50°-60°	2.8	0.2
60°-70°	1.3	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°	1385.1	97.0
0°-40°	1414.8	99.1
0°-60°	1426.7	99.9
0°-90°	1428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1428.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13658	
5°	10906	828
15°	1430	454
25°	207	103
35°	44	30
45°	10	9
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13657.7
1°	13487.7
2°	13134.5
3°	12586.5
4°	11833.2
5°	10905.6
6°	9768.5
7°	8497.9
8°	7171.7
9°	5888.0
10°	4705.5
11°	3704.6
12°	2916.2
13°	2294.8
14°	1812.7
15°	1430.2
16°	1128.4
17°	898.3
18°	722.4
19°	587.6
20°	485.1
22.5°	313.6
25°	206.6
26°	174.4
27°	148.0
28°	124.6
29°	104.0
30°	89.4
32.5°	61.5
35°	44.0
37.5°	32.2
40°	23.4
42.5°	16.1
45°	10.3
47.5°	7.3
50°	5.9
52.5°	4.4
55°	2.9
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5



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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)