

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: P264009

Luminaire Tested: **LD2B20D010 EU2B2010SP158030 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264009
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 EU2B2010SP158030 2LBD*B
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1750.0 lumens
Efficiency: N/A
Efficacy: 83.7 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

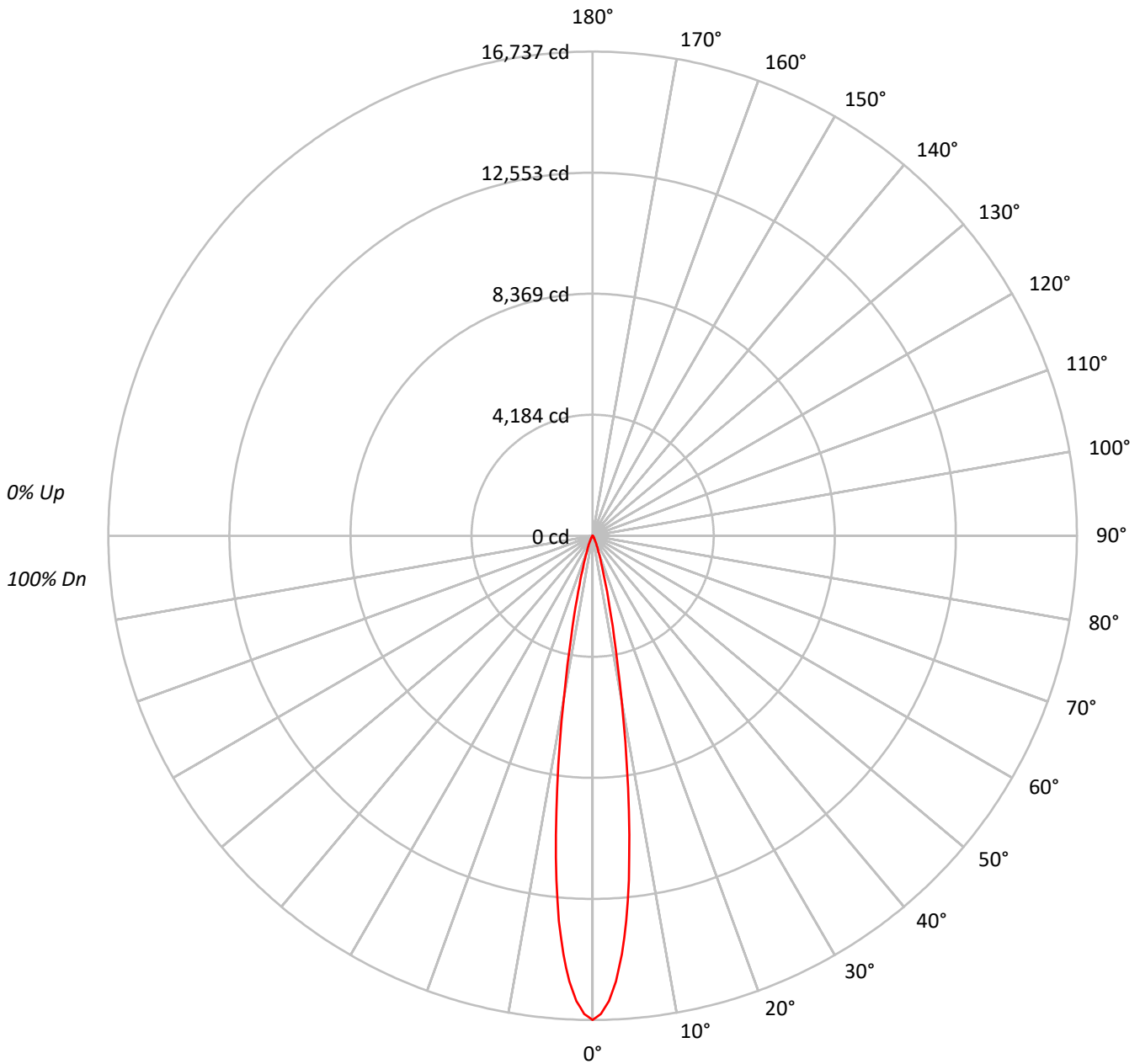
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264009

CATALOG NUMBER: LD2B20D010 EU2B2010SP158030 2LBD*B

Luminous Intensity Polar Plot





TEST NUMBER: P264009

CATALOG NUMBER: LD2B20D010 EU2B2010SP158030 2LBD*B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98				98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96				96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94				94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92				92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90				90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89				89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87				87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86				86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85				85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83				83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8257544
5°	6618819
10°	2888859
15°	895270
20°	312075
25°	137833
30°	62381
35°	32463
40°	18484
45°	8791
50°	5526
55°	3097
60°	1776
65°	2101
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264009

CATALOG NUMBER: LD2B20D010 EU2B2010SP158030 2LBD*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1014.9	58.0
10°-20°	555.8	31.8
20°-30°	126.7	7.2
30°-40°	36.4	2.1
40°-50°	11.3	0.6
50°-60°	3.4	0.2
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°	1697.4	97.0
0°-40°	1733.8	99.1
0°-60°	1748.5	99.9
0°-90°	1750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1750.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16737	
5°	13365	###
15°	1753	556
25°	253	127
35°	54	36
45°	13	11
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264009

CATALOG NUMBER: LD2B20D010 EU2B2010SP158030 2LBD*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	16737.3
1°	16529.0
2°	16096.2
3°	15424.6
4°	14501.5
5°	13364.7
6°	11971.2
7°	10414.1
8°	8788.9
9°	7215.7
10°	5766.5
11°	4539.9
12°	3573.7
13°	2812.3
14°	2221.5
15°	1752.8
16°	1382.8
17°	1100.9
18°	885.4
19°	720.1
20°	594.4
22.5°	384.3
25°	253.2
26°	213.7
27°	181.4
28°	152.6
29°	127.5
30°	109.5
32.5°	75.4
35°	53.9
37.5°	39.5
40°	28.7
42.5°	19.8
45°	12.6
47.5°	9.0
50°	7.2
52.5°	5.4
55°	3.6
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.8
67.5°	1.8



TEST NUMBER: P264009

CATALOG NUMBER: LD2B20D010 EU2B2010SP158030 2LBD*B

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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







70°		0.0
72.5°		0.0



(END OF REPORT)