

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: P264992

Luminaire Tested: **LD2B20D010 EU2B2010SP159030 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264992
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 EU2B2010SP159030 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.0 lumens
Efficiency: N/A
Efficacy: 64.5 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

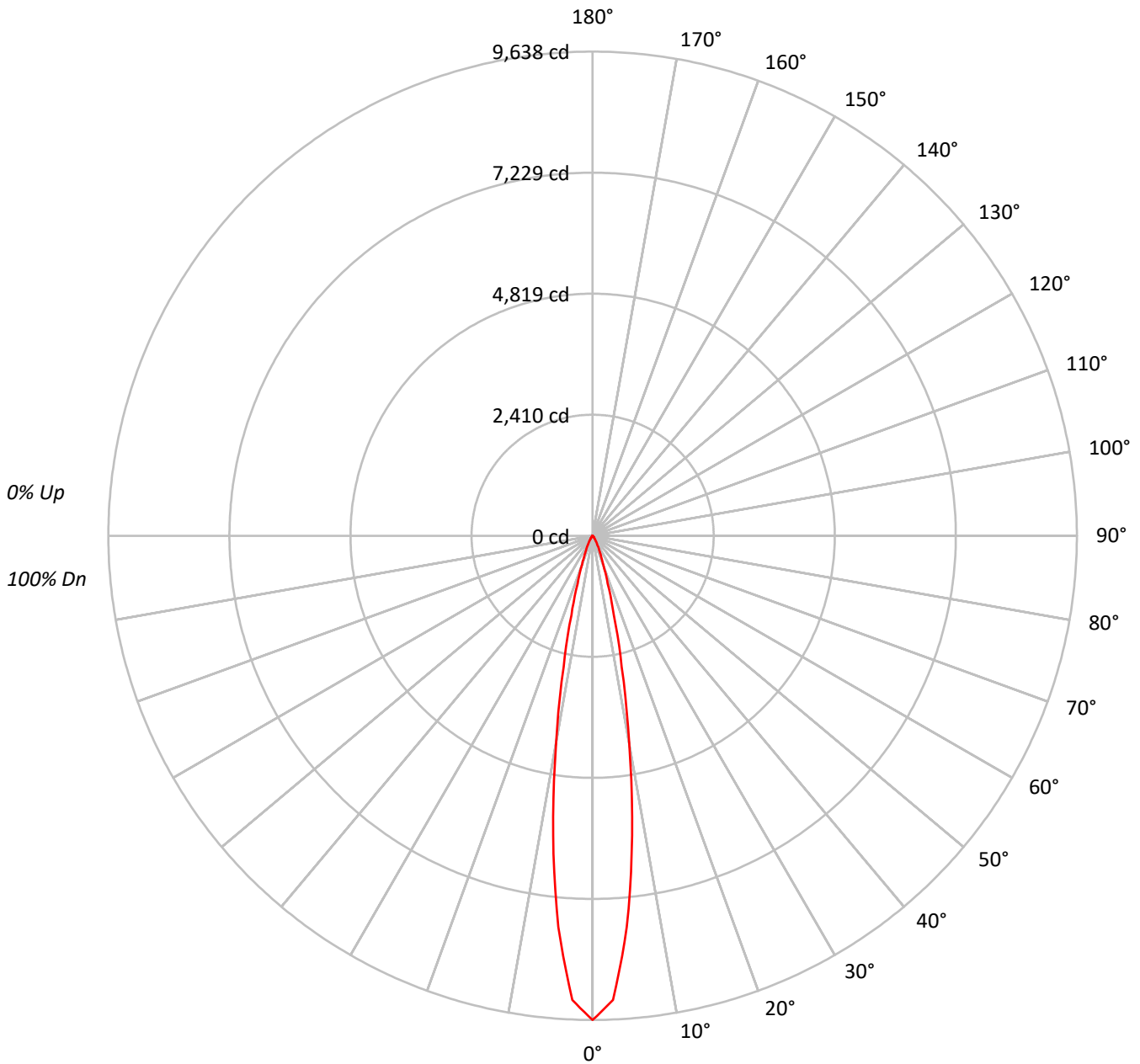
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264992

CATALOG NUMBER: LD2B20D010 EU2B2010SP159030 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P264992

CATALOG NUMBER: LD2B20D010 EU2B2010SP159030 2LBDL*H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97			97																
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94			94																
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92			92																
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89			89																
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87			87																
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85			85																
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83			83																
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81			81																
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79			79																
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78			78																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4755169
5°	3870251
10°	2090609
15°	833570
20°	334231
25°	160043
30°	83003
35°	43846
40°	24345
45°	15071
50°	10362
55°	6967
60°	5328
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264992

CATALOG NUMBER: LD2B20D010 EU2B2010SP159030 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.5	46.7
10°-20°	495.9	36.8
20°-30°	146.3	10.9
30°-40°	48.7	3.6
40°-50°	18.3	1.4
50°-60°	8.1	0.6
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°	1270.6	94.3
0°-40°	1319.3	97.9
0°-60°	1345.7	99.9
0°-90°	1347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1347.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9638	
5°	7815	628
15°	1632	496
25°	294	146
35°	73	49
45°	22	18
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264992

CATALOG NUMBER: LD2B20D010 EU2B2010SP159030 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	9638.3
2.5°	9249.9
5°	7814.8
7.5°	6020.9
10°	4173.1
12.5°	2670.6
15°	1632.0
17.5°	995.4
20°	636.6
22.5°	426.2
25°	294.0
27.5°	207.7
30°	145.7
32.5°	102.5
35°	72.8
37.5°	51.3
40°	37.8
42.5°	29.7
45°	21.6
47.5°	18.9
50°	13.5
52.5°	10.8
55°	8.1
57.5°	8.1
60°	5.4
62.5°	2.7
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)