

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: P264429

Luminaire Tested: **LD2B20D010 EU2B2010SP159040 2LBSQC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264429
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 2LBSQC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1478.0 lumens
Efficiency: N/A
Efficacy: 70.7 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

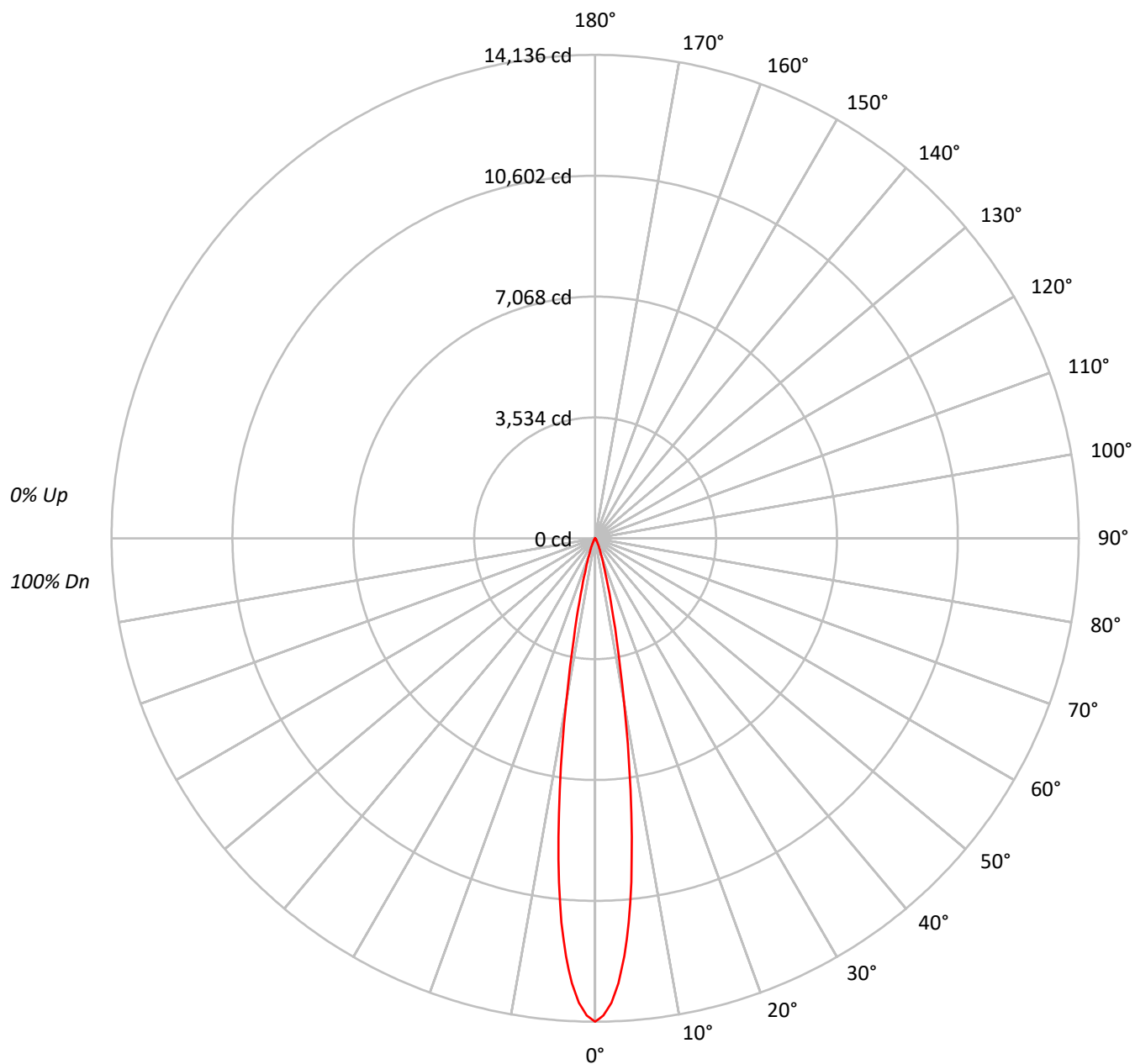
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264429

CATALOG NUMBER: LD2B20D010 EU2B2010SP159040 2LBSQC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P264429

CATALOG NUMBER: LD2B20D010 EU2B2010SP159040 2LBSQC*MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6974113
5°	5590093
10°	2439837
15°	756086
20°	263562
25°	116440
30°	52696
35°	27404
40°	15650
45°	7396
50°	4682
55°	2580
60°	1480
65°	1751
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264429

CATALOG NUMBER: LD2B20D010 EU2B2010SP159040 2LBSQC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.2	58.0
10°-20°	469.4	31.8
20°-30°	107.0	7.2
30°-40°	30.8	2.1
40°-50°	9.5	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°	1433.6	97.0
0°-40°	1464.4	99.1
0°-60°	1476.7	99.9
0°-90°	1478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1478.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14136	
5°	11288	857
15°	1480	469
25°	214	107
35°	46	31
45°	11	10
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264429

CATALOG NUMBER: LD2B20D010 EU2B2010SP159040 2LBSQC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	14135.9
1°	13959.9
2°	13594.4
3°	13027.2
4°	12247.6
5°	11287.5
6°	10110.5
7°	8795.5
8°	7422.9
9°	6094.2
10°	4870.2
11°	3834.3
12°	3018.3
13°	2375.2
14°	1876.2
15°	1480.3
16°	1167.9
17°	929.8
18°	747.7
19°	608.2
20°	502.0
22.5°	324.6
25°	213.9
26°	180.5
27°	153.2
28°	128.9
29°	107.7
30°	92.5
32.5°	63.7
35°	45.5
37.5°	33.4
40°	24.3
42.5°	16.7
45°	10.6
47.5°	7.6
50°	6.1
52.5°	4.6
55°	3.0
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5



TEST NUMBER: P264429

CATALOG NUMBER: LD2B20D010 EU2B2010SP159040 2LBSQC*MB

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)