

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: P264040

Luminaire Tested: **LD2B10D010 EU2B1010SP158035 2LBSQC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264040
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: LD2B10D010 EU2B1010SP158035 2LBSQC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 882.0 lumens
Efficiency: N/A
Efficacy: 85.6 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

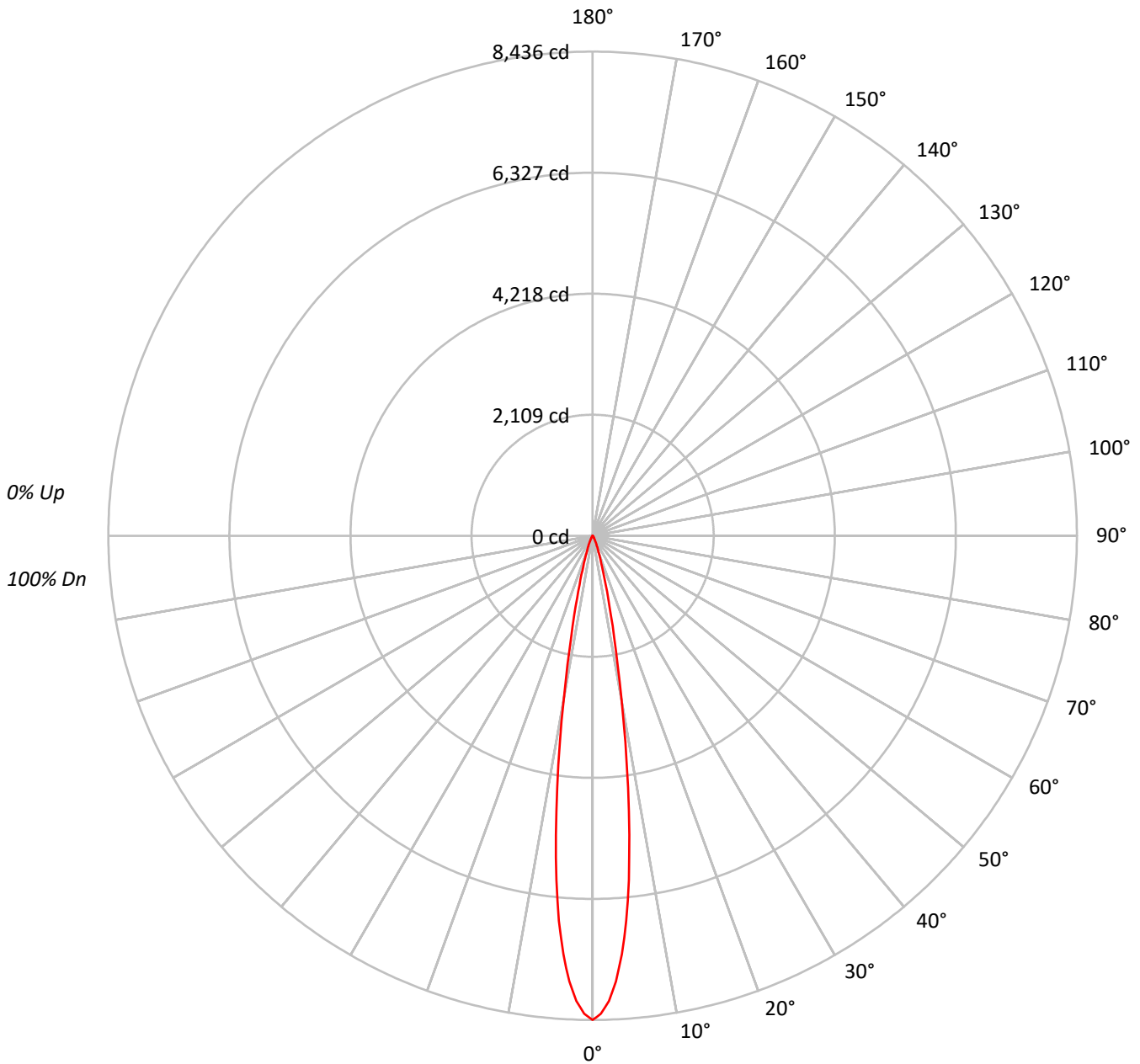
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264040

CATALOG NUMBER: LD2B10D010 EU2B1010SP158035 2LBSQC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P264040

CATALOG NUMBER: LD2B10D010 EU2B1010SP158035 2LBSQC*MW

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			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°	4161803
5°	3335880
10°	1455977
15°	451210
20°	157297
25°	69461
30°	31447
35°	16382
40°	9339
45°	4396
50°	2763
55°	1548
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264040

CATALOG NUMBER: LD2B10D010 EU2B1010SP158035 2LBSQC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.5	58.0
10°-20°	280.1	31.8
20°-30°	63.9	7.2
30°-40°	18.4	2.1
40°-50°	5.7	0.6
50°-60°	1.7	0.2
60°-70°	0.8	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°	855.5	97.0
0°-40°	873.8	99.1
0°-60°	881.2	99.9
0°-90°	882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	882.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8436	
5°	6736	512
15°	883	280
25°	128	64
35°	27	18
45°	6	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264040

CATALOG NUMBER: LD2B10D010 EU2B1010SP158035 2LBSQC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	8435.6
1°	8330.6
2°	8112.5
3°	7774.0
4°	7308.8
5°	6735.8
6°	6033.5
7°	5248.7
8°	4429.6
9°	3636.7
10°	2906.3
11°	2288.1
12°	1801.2
13°	1417.4
14°	1119.6
15°	883.4
16°	696.9
17°	554.8
18°	446.2
19°	362.9
20°	299.6
22.5°	193.7
25°	127.6
26°	107.7
27°	91.4
28°	76.9
29°	64.3
30°	55.2
32.5°	38.0
35°	27.2
37.5°	19.9
40°	14.5
42.5°	10.0
45°	6.3
47.5°	4.5
50°	3.6
52.5°	2.7
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9



TEST NUMBER: P264040

CATALOG NUMBER: LD2B10D010 EU2B1010SP158035 2LBSQC*MW

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)