

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: P264741

Luminaire Tested: **LD2B20D010 EU2B2010SP158035 2LBSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264741
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 EU2B2010SP158035 2LBSQLC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1691.0 lumens
Efficiency: N/A
Efficacy: 80.9 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

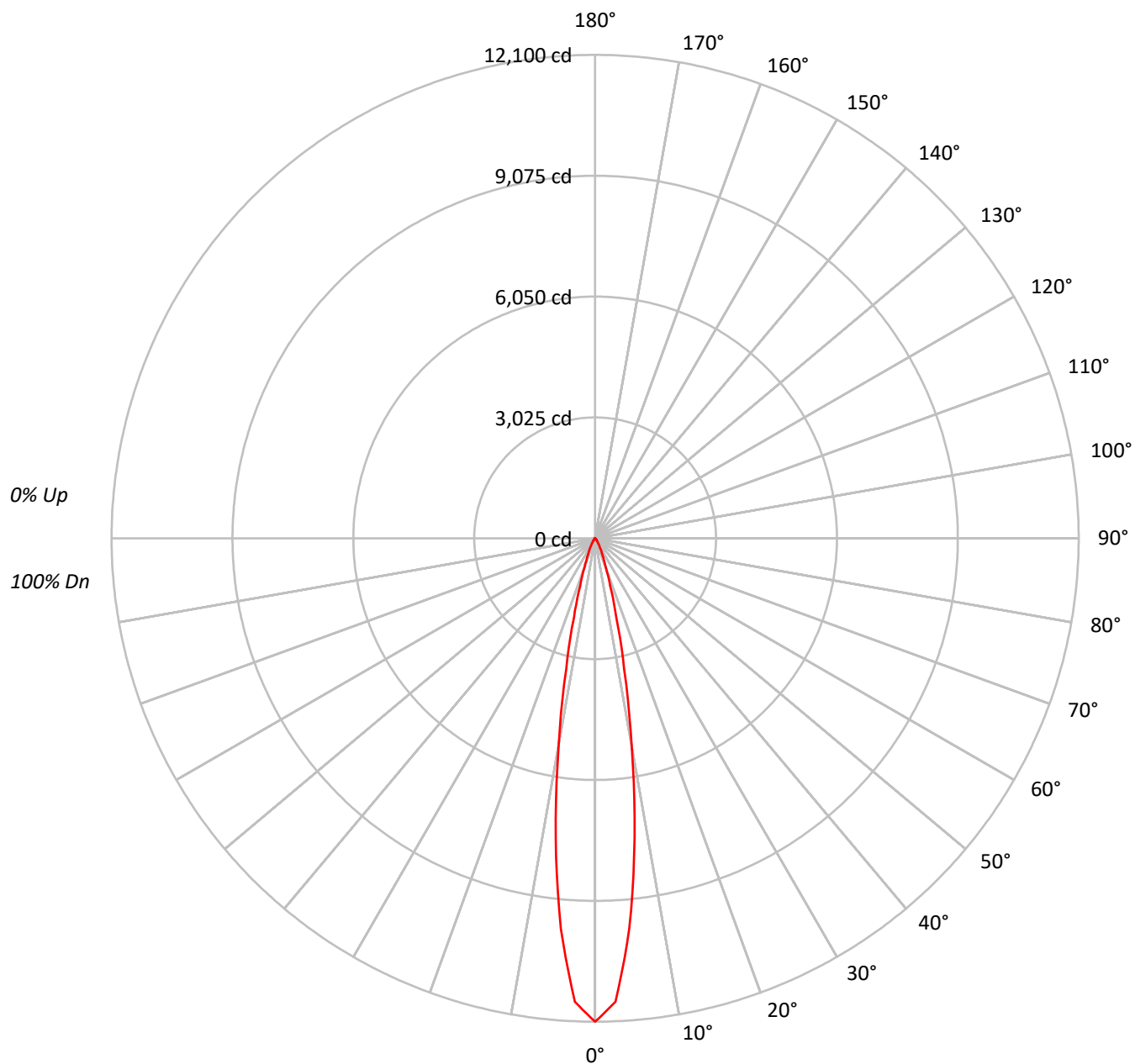
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264741

CATALOG NUMBER: LD2B20D010 EU2B2010SP158035 2LBSQLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P264741

CATALOG NUMBER: LD2B20D010 EU2B2010SP158035 2LBSQLC*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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	110		113	111	110	108		107	106	105		104	103	102		100	99	99
2	112	108	106	103		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98		107	103	100	97		100	98	96		98	96	94		96	94	93
4	105	100	97	94		104	99	96	93		97	95	92		96	93	91		94	92	90
5	103	97	93	91		101	96	93	90		95	92	89		93	91	89		92	90	88
6	100	94	90	88		99	94	90	87		92	89	87		91	88	86		90	88	86
7	98	92	88	85		97	91	88	85		90	87	85		89	86	84		88	86	84
8	95	89	86	83		94	89	85	83		88	85	82		87	84	82		86	84	82
9	93	87	83	81		92	87	83	81		86	83	81		85	82	80		85	82	80
10	91	85	82	79		91	85	81	79		84	81	79		84	81	79		83	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5969579
5°	4858664
10°	2624496
15°	1046457
20°	419600
25°	200925
30°	104195
35°	55049
40°	30527
45°	18908
50°	12971
55°	8774
60°	6710
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264741

CATALOG NUMBER: LD2B20D010 EU2B2010SP158035 2LBSQLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.0	46.7
10°-20°	622.5	36.8
20°-30°	183.6	10.9
30°-40°	61.1	3.6
40°-50°	23.0	1.4
50°-60°	10.2	0.6
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°	1595.1	94.3
0°-40°	1656.2	97.9
0°-60°	1689.4	99.9
0°-90°	1691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12100	
5°	9811	789
15°	2049	622
25°	369	184
35°	91	61
45°	27	23
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264741

CATALOG NUMBER: LD2B20D010 EU2B2010SP158035 2LBSQLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	12099.8
2.5°	11612.1
5°	9810.6
7.5°	7558.6
10°	5238.8
12.5°	3352.6
15°	2048.8
17.5°	1249.6
20°	799.2
22.5°	535.1
25°	369.1
27.5°	260.8
30°	182.9
32.5°	128.7
35°	91.4
37.5°	64.3
40°	47.4
42.5°	37.3
45°	27.1
47.5°	23.7
50°	16.9
52.5°	13.5
55°	10.2
57.5°	10.2
60°	6.8
62.5°	3.4
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)