

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: P222359

Luminaire Tested: **LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1136.2 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

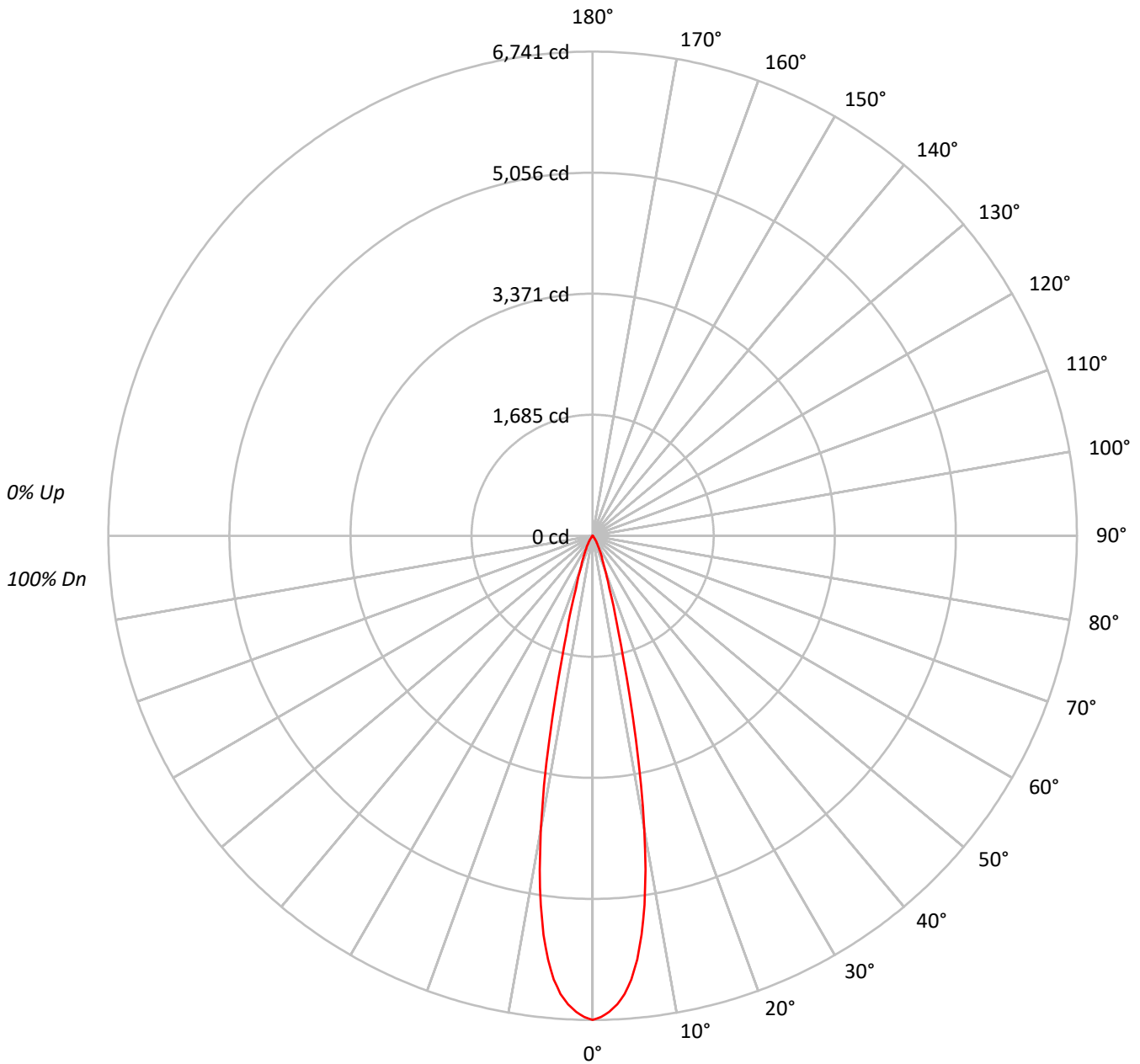
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P222359

CATALOG NUMBER: LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P222359

CATALOG NUMBER: LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2610944
5°	2410758
10°	1631773
15°	555158
20°	203918
25°	108087
30°	55551
35°	25913
40°	8495
45°	4273
50°	2049
55°	743
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P222359

CATALOG NUMBER: LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.4	46.4
10°-20°	443.4	39.0
20°-30°	121.7	10.7
30°-40°	35.5	3.1
40°-50°	6.6	0.6
50°-60°	1.5	0.1
60°-70°	0.1	0.0
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°	1092.5	96.2
0°-40°	1128.0	99.3
0°-60°	1136.1	100.0
0°-90°	1136.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6741	
5°	6200	527
15°	1384	443
25°	253	122
35°	55	35
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P222359

CATALOG NUMBER: LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	6740.6
1°	6701.5
2°	6632.1
3°	6532.5
4°	6395.9
5°	6200.1
6°	5932.6
7°	5598.0
8°	5189.5
9°	4707.1
10°	4148.7
11°	3536.5
12°	2899.7
13°	2292.0
14°	1773.9
15°	1384.4
17.5°	781.2
20°	494.7
22.5°	352.5
25°	252.9
27.5°	179.1
30°	124.2
32.5°	87.3
35°	54.8
37.5°	22.4
40°	16.8
42.5°	12.3
45°	7.8
47.5°	4.5
50°	3.4
52.5°	2.2
55°	1.1
57.5°	1.1
60°	1.1
62.5°	0.0
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



TEST NUMBER: P222359

CATALOG NUMBER: LD2B20D010 EU2B20NFL259727 2LBDSQLC*MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)