

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: P224262

Luminaire Tested: **LD2B20D010 EU2B20FL409035 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20FL409035 2LBDSQLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1373.6 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

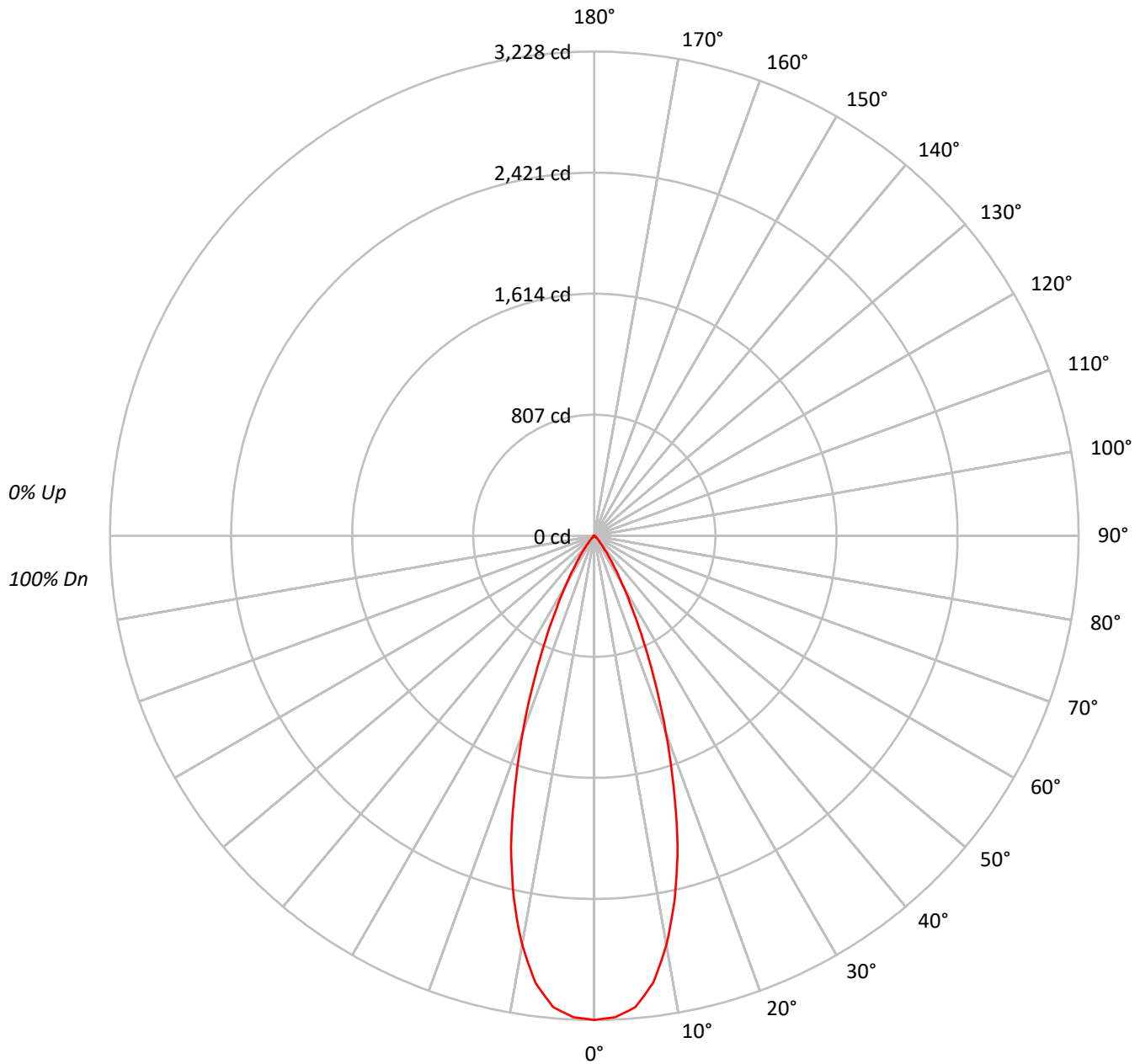
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224262

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224262

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDSQLC*MMS

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	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	100		108	104	101	99		101	99	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		97	93	91		94	92	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		89	86	84
5	98	91	86	83		96	90	86	82		88	85	82		87	83	81		85	83	80
6	94	87	82	78		93	86	82	78		85	81	78		83	80	77		82	79	77
7	91	83	78	75		89	82	78	75		81	77	74		80	77	74		79	76	73
8	87	80	75	71		86	79	75	71		78	74	71		77	73	71		76	73	70
9	84	76	72	68		83	76	71	68		75	71	68		74	71	68		74	70	68
10	81	74	69	66		81	73	69	66		72	68	65		72	68	65		71	68	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1250353
5°	1226317
10°	1089343
15°	859645
20°	573377
25°	330030
30°	167144
35°	78353
40°	32108
45°	14462
50°	7412
55°	4795
60°	2711
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224262

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	21.0
10°-20°	579.3	42.2
20°-30°	362.8	26.4
30°-40°	112.3	8.2
40°-50°	23.2	1.7
50°-60°	6.5	0.5
60°-70°	0.9	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°	1230.8	89.6
0°-40°	1343.1	97.8
0°-60°	1372.7	99.9
0°-90°	1373.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3228	
5°	3154	289
15°	2144	579
25°	772	363
35°	166	112
45°	26	23
55°	7	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224262

CATALOG NUMBER: LD2B20D010 EU2B20FL409035 2LBDSQLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	3228.0
2.5°	3212.1
5°	3153.9
7.5°	3005.8
10°	2769.6
12.5°	2478.7
15°	2143.7
17.5°	1757.7
20°	1391.0
22.5°	1057.8
25°	772.2
27.5°	543.0
30°	373.7
32.5°	250.3
35°	165.7
37.5°	104.0
40°	63.5
42.5°	40.5
45°	26.4
47.5°	17.6
50°	12.3
52.5°	8.8
55°	7.1
57.5°	5.3
60°	3.5
62.5°	1.8
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)