

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: P224241

Luminaire Tested: **LD2B10D010 EU2B10FL409030D2W 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224241
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: LD2B10D010 EU2B10FL409030D2W 2LBDSQLC*MMS
Description: 1000 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: 539.0 lumens
Efficiency: N/A
Efficacy: 52.3 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

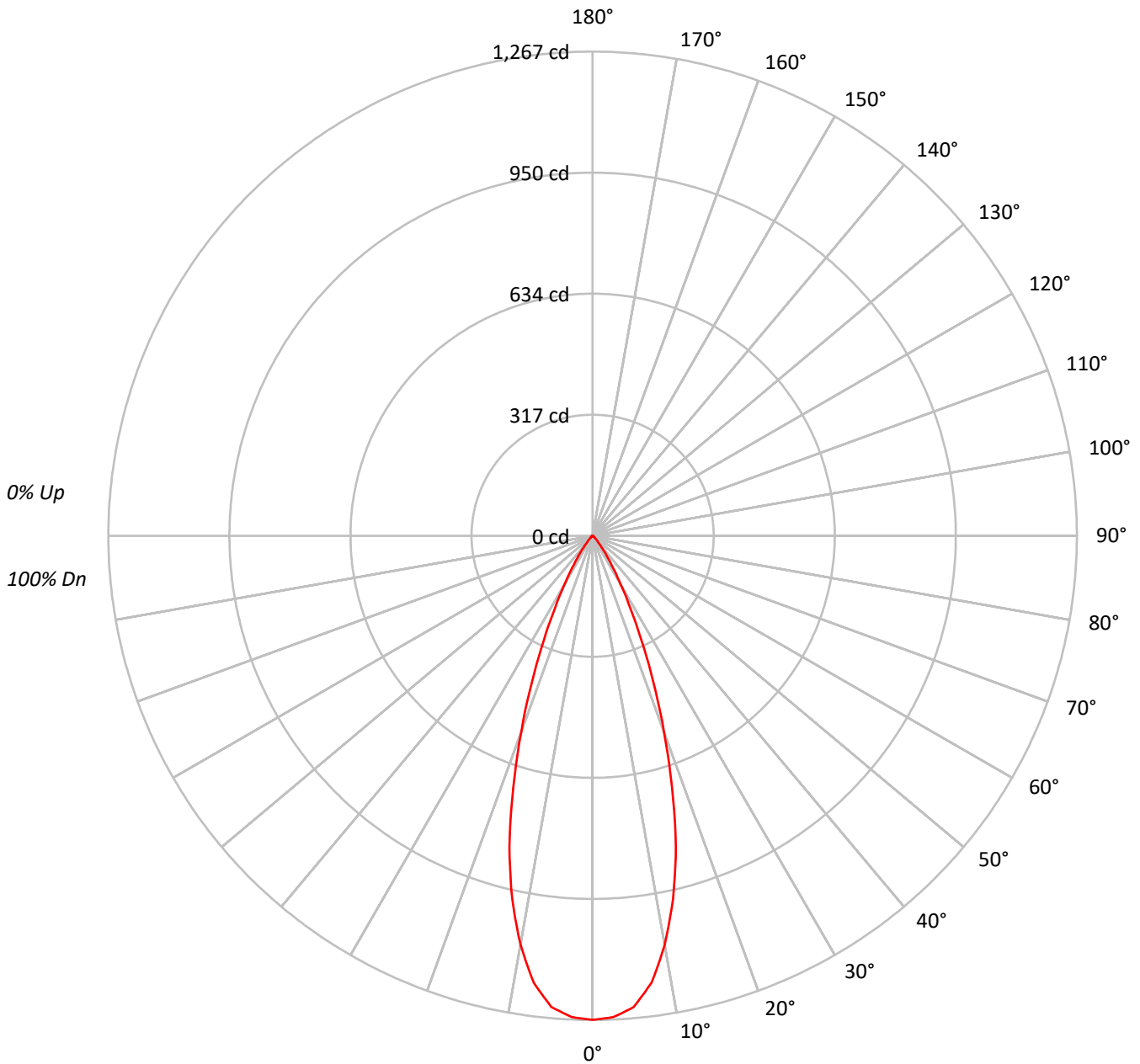
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224241

CATALOG NUMBER: LD2B10D010 EU2B10FL409030D2W 2LBDSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224241

CATALOG NUMBER: LD2B10D010 EU2B10FL409030D2W 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87		
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83		
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	83	80	79		
6	94	87	82	78	93	86	82	78	85	81	78	83	80	77	82	79	77	76		
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72		
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69		
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67		
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	490690
5°	481249
10°	427501
15°	337370
20°	224981
25°	129499
30°	65614
35°	30736
40°	12591
45°	5697
50°	2892
55°	1823
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224241

CATALOG NUMBER: LD2B10D010 EU2B10FL409030D2W 2LBDSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	21.0
10°-20°	227.3	42.2
20°-30°	142.4	26.4
30°-40°	44.1	8.2
40°-50°	9.1	1.7
50°-60°	2.5	0.5
60°-70°	0.3	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°	483.0	89.6
0°-40°	527.1	97.8
0°-60°	538.7	99.9
0°-90°	539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1267	
5°	1238	113
15°	841	227
25°	303	142
35°	65	44
45°	10	9
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224241

CATALOG NUMBER: LD2B10D010 EU2B10FL409030D2W 2LBDSQLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1266.8
2.5°	1260.5
5°	1237.7
7.5°	1179.6
10°	1086.9
12.5°	972.7
15°	841.3
17.5°	689.8
20°	545.8
22.5°	415.1
25°	303.0
27.5°	213.1
30°	146.7
32.5°	98.3
35°	65.0
37.5°	40.8
40°	24.9
42.5°	15.9
45°	10.4
47.5°	6.9
50°	4.8
52.5°	3.5
55°	2.7
57.5°	2.1
60°	1.4
62.5°	0.7
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)