

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: P224254

Luminaire Tested: **LD2B15D010 EU2B15FL409050 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224254
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: LD2B15D010 EU2B15FL409050 2LBDSQLC*MMS
Description: 1500 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: 1068.5 lumens
Efficiency: N/A
Efficacy: 74.7 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

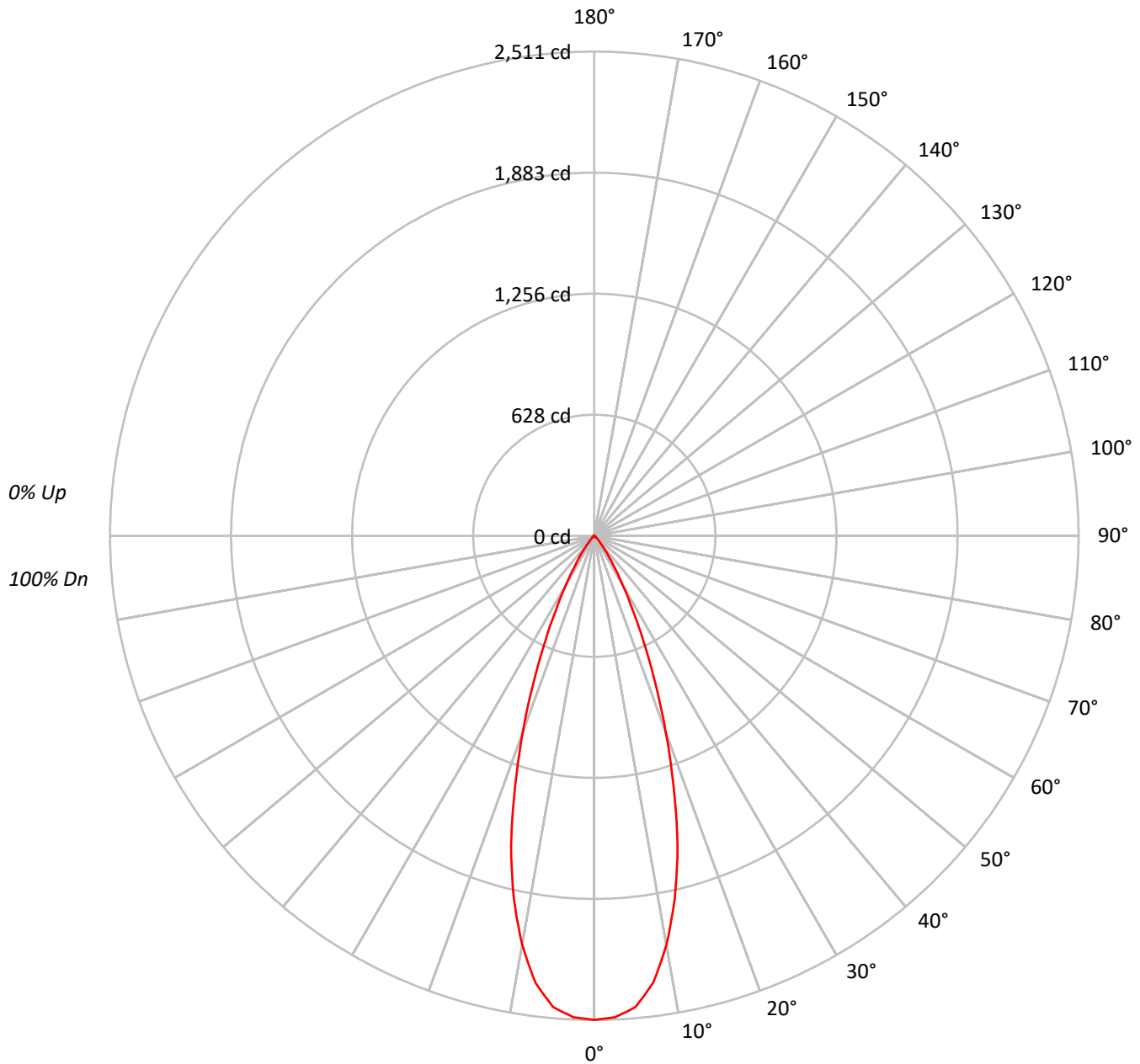
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	972626
5°	953945
10°	847372
15°	668724
20°	446006
25°	256733
30°	130021
35°	60952
40°	24979
45°	11284
50°	5785
55°	3714
60°	2092
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	21.0
10°-20°	450.6	42.2
20°-30°	282.2	26.4
30°-40°	87.3	8.2
40°-50°	18.0	1.7
50°-60°	5.0	0.5
60°-70°	0.7	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°	957.4	89.6
0°-40°	1044.8	97.8
0°-60°	1067.8	99.9
0°-90°	1068.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2511	
5°	2453	225
15°	1668	451
25°	601	282
35°	129	87
45°	21	18
55°	6	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2511.0
2.5°	2498.6
5°	2453.4
7.5°	2338.2
10°	2154.4
12.5°	1928.1
15°	1667.6
17.5°	1367.3
20°	1082.0
22.5°	822.8
25°	600.7
27.5°	422.4
30°	290.7
32.5°	194.7
35°	128.9
37.5°	80.9
40°	49.4
42.5°	31.5
45°	20.6
47.5°	13.7
50°	9.6
52.5°	6.9
55°	5.5
57.5°	4.1
60°	2.7
62.5°	1.4
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



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— 0°-180°







(END OF REPORT)