

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: P#

Luminaire Tested: **LSR2B10FL409030D010 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10FL409030D010 2LBD*LI
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 829.9 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

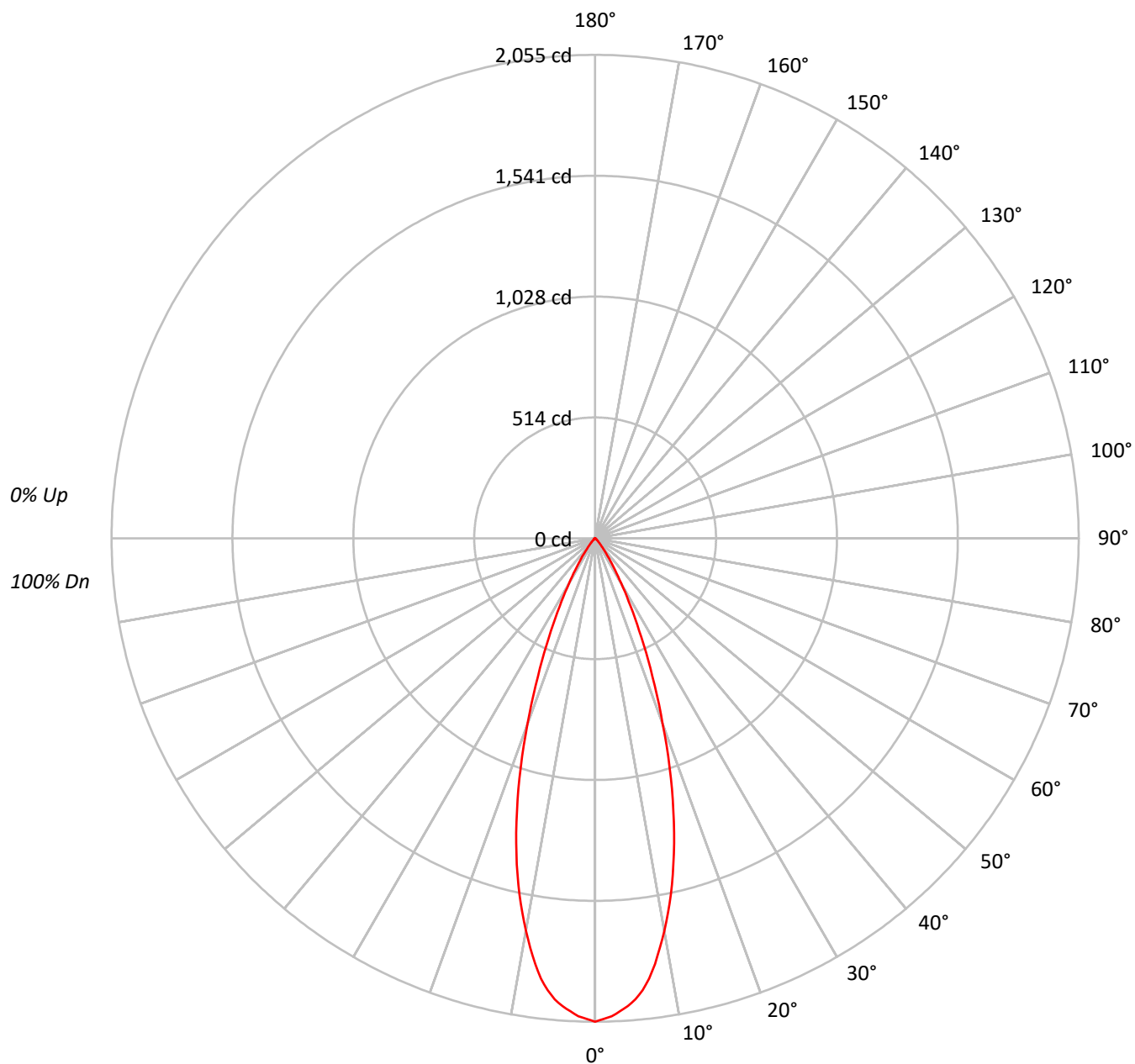
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: LSR2B10FL409030D010 2LBD*LI

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				0			
RW	70	50	30	10	70	50	30	10	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	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96						
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91						
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87						
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83						
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79						
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	83	79	77	76						
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73						
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70						
9	85	77	72	69	84	76	72	69	76	71	69	75	71	68	74	71	68	67						
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	796073
5°	765014
10°	665972
15°	520030
20°	345840
25°	198052
30°	98444
35°	45253
40°	18153
45°	8326
50°	3857
55°	2161
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	21.6
10°-20°	351.7	42.4
20°-30°	217.6	26.2
30°-40°	65.1	7.8
40°-50°	13.1	1.6
50°-60°	3.2	0.4
60°-70°	0.2	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°	748.3	90.2
0°-40°	813.5	98.0
0°-60°	829.7	100.0
0°-90°	829.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2055	
5°	1968	179
15°	1297	352
25°	463	218
35°	96	65
45°	15	13
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2055.2
1°	2044.1
2°	2033.7
3°	2013.0
4°	1993.8
5°	1967.5
6°	1931.6
7°	1886.2
8°	1827.9
9°	1761.7
10°	1693.2
11°	1622.2
12°	1546.4
13°	1467.5
14°	1382.9
15°	1296.8
17.5°	1069.5
20°	839.0
22.5°	634.8
25°	463.4
27.5°	325.4
30°	220.1
32.5°	145.2
35°	95.7
37.5°	59.8
40°	35.9
42.5°	23.1
45°	15.2
47.5°	9.6
50°	6.4
52.5°	4.8
55°	3.2
57.5°	2.4
60°	1.6
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)