

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: **LSR2B10FL409040D010 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: LSR2B10FL409040D010 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: 880.6 lumens
Efficiency: N/A
Efficacy: 85.5 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

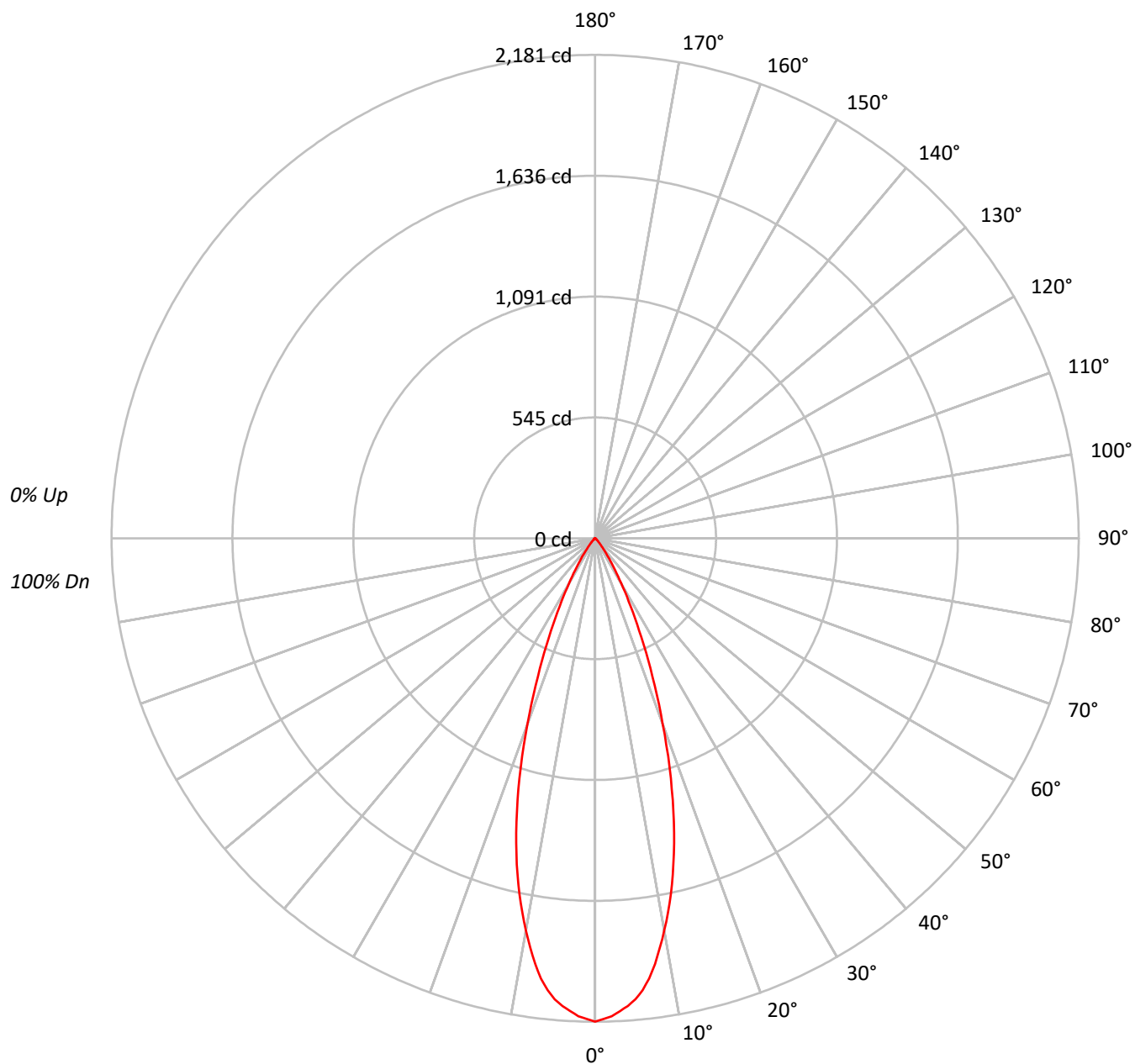
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	844724
5°	811751
10°	706641
15°	551790
20°	366986
25°	210147
30°	104482
35°	48043
40°	19265
45°	8819
50°	4098
55°	2296
60°	1317
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	21.6
10°-20°	373.1	42.4
20°-30°	230.9	26.2
30°-40°	69.1	7.8
40°-50°	13.9	1.6
50°-60°	3.4	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°	794.1	90.2
0°-40°	863.2	98.0
0°-60°	880.4	100.0
0°-90°	880.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2181	
5°	2088	190
15°	1376	373
25°	492	231
35°	102	69
45°	16	14
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2180.8
1°	2169.0
2°	2157.9
3°	2135.9
4°	2115.6
5°	2087.7
6°	2049.6
7°	2001.4
8°	1939.6
9°	1869.4
10°	1796.6
11°	1721.3
12°	1640.9
13°	1557.1
14°	1467.4
15°	1376.0
17.5°	1134.8
20°	890.3
22.5°	673.6
25°	491.7
27.5°	345.3
30°	233.6
32.5°	154.0
35°	101.6
37.5°	63.5
40°	38.1
42.5°	24.5
45°	16.1
47.5°	10.2
50°	6.8
52.5°	5.1
55°	3.4
57.5°	2.5
60°	1.7
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)