

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: P224969

Luminaire Tested: **LSR2B10FL409030D2WD010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10FL409030D2WD010 2LBDL*LI
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 576.5 lumens
Efficiency: N/A
Efficacy: 56.0 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

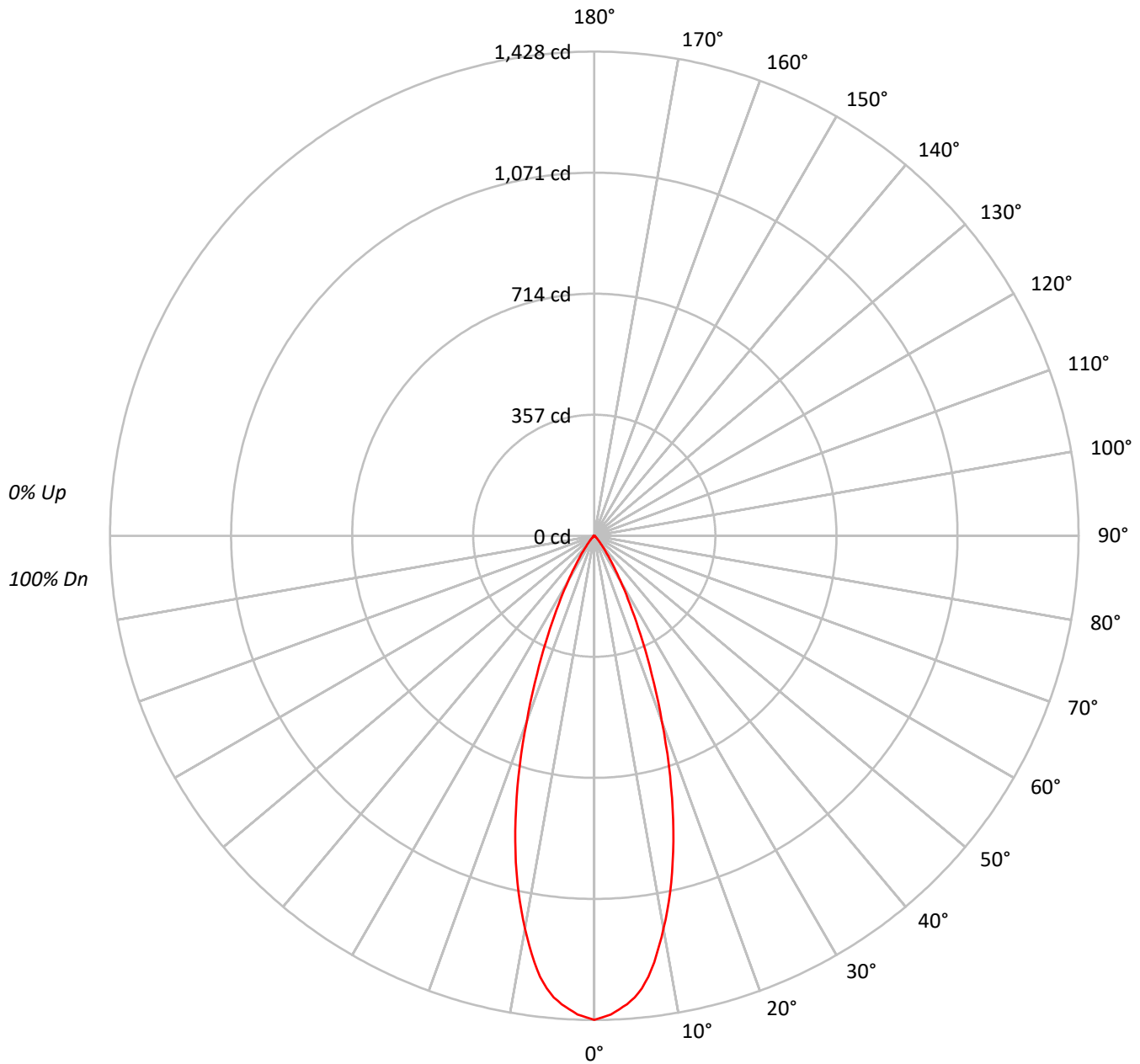
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553053
5°	531486
10°	462664
15°	361270
20°	240233
25°	137577
30°	68387
35°	31445
40°	12591
45°	5752
50°	2651
55°	1486
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	21.6
10°-20°	244.3	42.4
20°-30°	151.2	26.2
30°-40°	45.3	7.9
40°-50°	9.1	1.6
50°-60°	2.2	0.4
60°-70°	0.1	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°	519.9	90.2
0°-40°	565.1	98.0
0°-60°	576.4	100.0
0°-90°	576.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1428	
5°	1367	124
15°	901	244
25°	322	151
35°	66	45
45°	10	9
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1427.8
1°	1420.1
2°	1412.9
3°	1398.5
4°	1385.1
5°	1366.9
6°	1341.9
7°	1310.3
8°	1269.9
9°	1223.9
10°	1176.3
11°	1127.0
12°	1074.3
13°	1019.5
14°	960.7
15°	900.9
17.5°	743.0
20°	582.8
22.5°	441.1
25°	321.9
27.5°	226.0
30°	152.9
32.5°	100.9
35°	66.5
37.5°	41.6
40°	24.9
42.5°	16.1
45°	10.5
47.5°	6.7
50°	4.4
52.5°	3.3
55°	2.2
57.5°	1.6
60°	1.1
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)