

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: P224720

Luminaire Tested: **LSR2B10FL408050D010 2LBD*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10FL408050D010 2LBD*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1067.4 lumens
Efficiency: N/A
Efficacy: 103.6 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

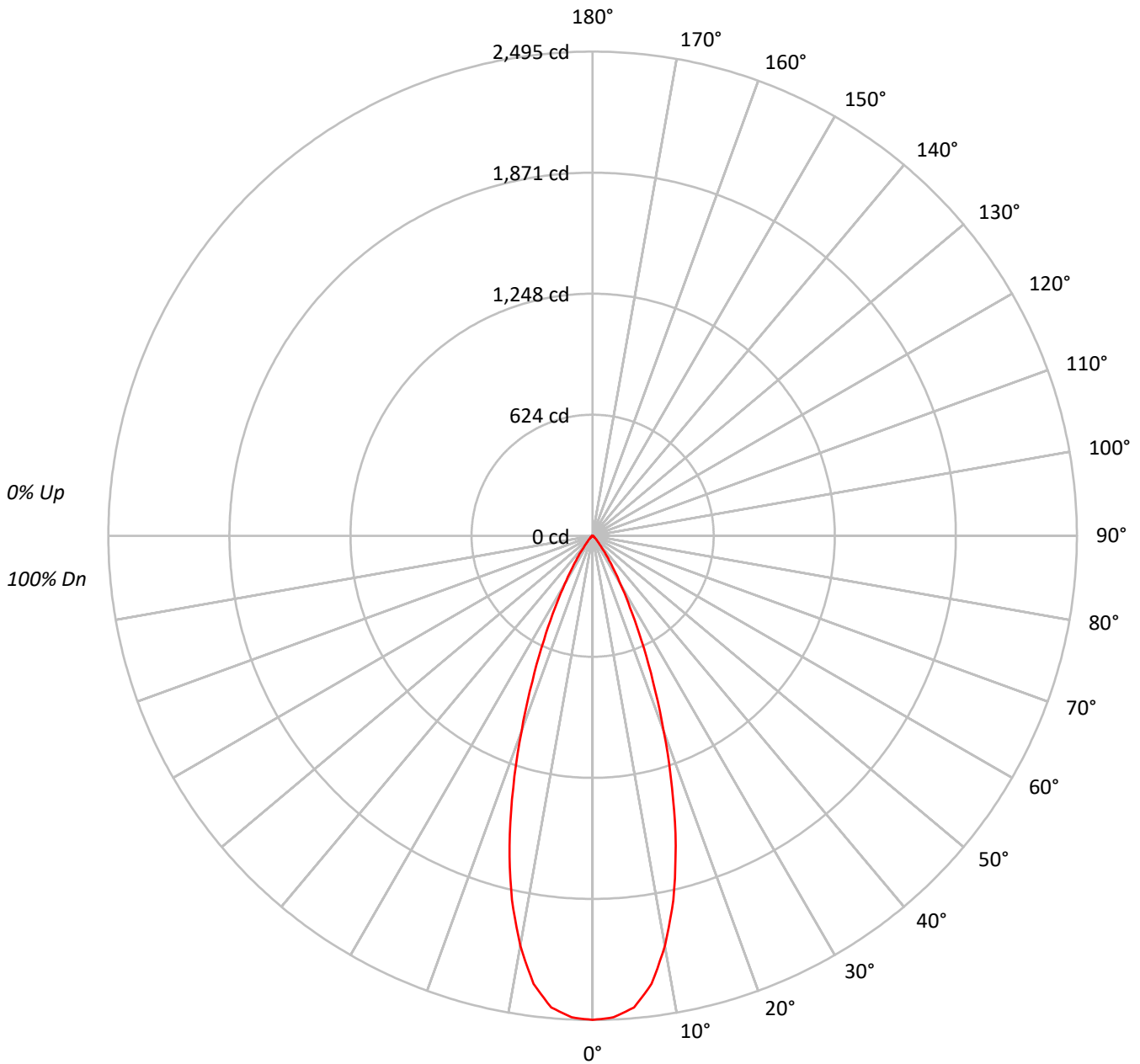
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86	86	86	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79	79	79	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	966312
5°	948734
10°	843360
15°	663271
20°	441348
25°	253399
30°	128008
35°	60195
40°	24220
45°	11997
50°	6629
55°	4592
60°	4261
65°	2475
70°	3058
75°	2095
80°	3123
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	20.9
10°-20°	448.0	42.0
20°-30°	278.7	26.1
30°-40°	85.7	8.0
40°-50°	18.8	1.8
50°-60°	6.7	0.6
60°-70°	3.4	0.3
70°-80°	2.0	0.2
80°-90°	0.6	0.1
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°	950.2	89.0
0°-40°	1035.9	97.1
0°-60°	1061.5	99.4
0°-90°	1067.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2495	
5°	2440	223
15°	1654	448
25°	593	279
35°	127	86
45°	22	19
55°	7	7
65°	3	3
75°	1	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2494.7
2.5°	2483.8
5°	2440.0
7.5°	2329.1
10°	2144.2
12.5°	1922.4
15°	1654.0
17.5°	1361.0
20°	1070.7
22.5°	812.0
25°	592.9
27.5°	417.6
30°	286.2
32.5°	193.1
35°	127.3
37.5°	76.7
40°	47.9
42.5°	32.9
45°	21.9
47.5°	15.1
50°	11.0
52.5°	9.6
55°	6.8
57.5°	5.5
60°	5.5
62.5°	4.1
65°	2.7
67.5°	2.7
70°	2.7
72.5°	2.7
75°	1.4
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)