

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: **LSR2B10WFL558040D010 2LBDC*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10WFL558040D010 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1016.8 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

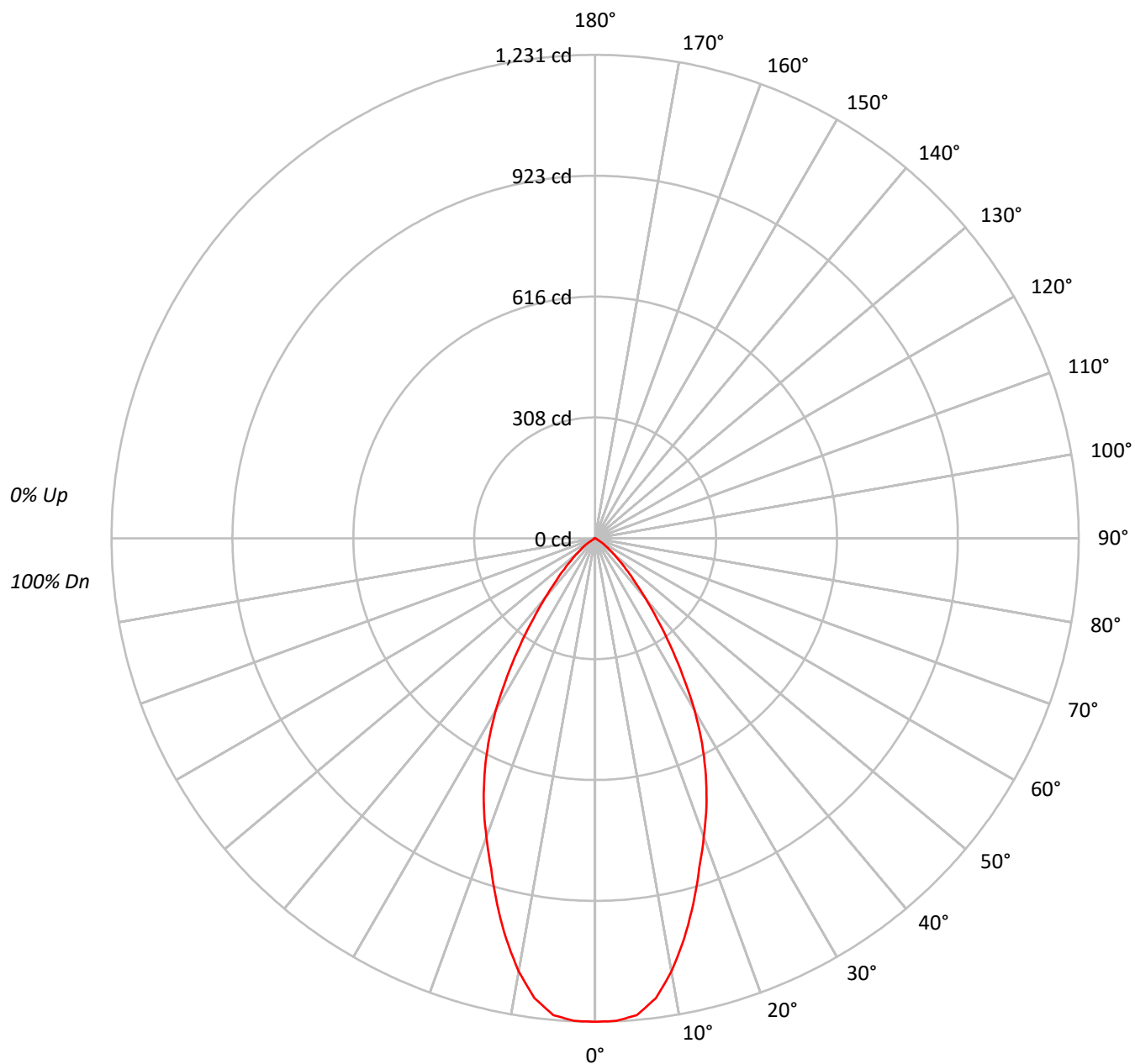
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	113	110	108	106		111	108	106	104		104	102	101			101	99	98			93
2	108	102	98	95		105	101	97	94		98	94	92			95	92	90			86
3	102	95	90	86		100	94	89	85		91	87	84			89	85	83			80
4	97	89	83	79		95	88	82	78		85	81	77			83	80	76			74
5	91	83	77	72		90	82	76	72		80	75	71			78	74	71			69
6	87	78	71	67		85	77	71	67		75	70	66			74	69	66			64
7	82	73	67	62		81	72	66	62		71	66	62			70	65	62			60
8	78	69	62	58		77	68	62	58		67	62	58			66	61	58			56
9	74	65	59	55		73	64	58	54		63	58	54			62	57	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	476939
5°	473901
10°	440559
15°	386734
20°	333391
25°	285068
30°	226228
35°	157700
40°	99764
45°	60914
50°	36036
55°	19719
60°	4338
65°	3849
70°	3171
75°	4190
80°	3123
85°	6222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	11.1
10°-20°	268.6	26.4
20°-30°	303.0	29.8
30°-40°	209.6	20.6
40°-50°	89.4	8.8
50°-60°	25.9	2.5
60°-70°	3.8	0.4
70°-80°	2.4	0.2
80°-90°	1.0	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°	684.7	67.3
0°-40°	894.4	88.0
0°-60°	1009.6	99.3
0°-90°	1016.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1016.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1231	
5°	1219	113
15°	964	269
25°	667	303
35°	334	210
45°	111	89
55°	29	26
65°	4	4
75°	3	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1231.3
2.5°	1229.9
5°	1218.8
7.5°	1181.2
10°	1120.1
12.5°	1045.0
15°	964.4
17.5°	881.1
20°	808.8
22.5°	740.7
25°	667.0
27.5°	589.2
30°	505.8
32.5°	415.5
35°	333.5
37.5°	258.5
40°	197.3
42.5°	148.7
45°	111.2
47.5°	80.6
50°	59.8
52.5°	43.1
55°	29.2
57.5°	12.5
60°	5.6
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)