

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: **LSR2WM2B20WFL559027D010 2LBD*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: LSR2WM2B20WFL559027D010 2LBD*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1368.8 lumens
Efficiency: N/A
Efficacy: 65.5 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

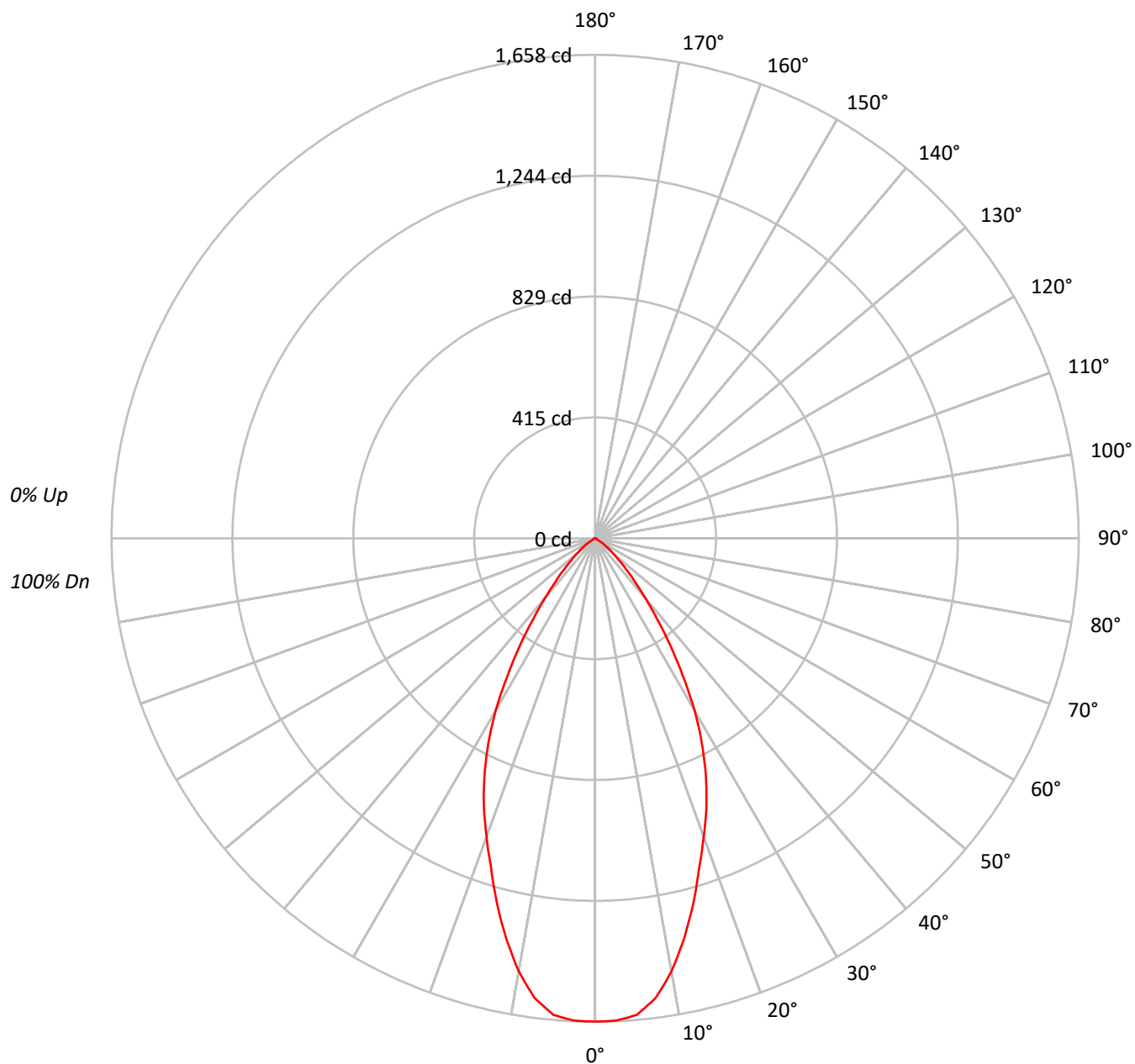
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	642103
5°	637985
10°	593129
15°	520671
20°	448850
25°	383838
30°	304590
35°	212315
40°	134350
45°	82004
50°	48510
55°	26540
60°	5810
65°	5133
70°	4190
75°	5537
80°	4238
85°	8444



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	11.1
10°-20°	361.6	26.4
20°-30°	408.0	29.8
30°-40°	282.2	20.6
40°-50°	120.3	8.8
50°-60°	34.8	2.5
60°-70°	5.1	0.4
70°-80°	3.2	0.2
80°-90°	1.3	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°	921.9	67.4
0°-40°	1204.1	88.0
0°-60°	1359.2	99.3
0°-90°	1368.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1368.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1658	
5°	1641	152
15°	1298	362
25°	898	408
35°	449	282
45°	150	120
55°	39	35
65°	6	5
75°	4	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1657.7
2.5°	1655.8
5°	1640.8
7.5°	1590.3
10°	1508.0
12.5°	1407.0
15°	1298.4
17.5°	1186.2
20°	1088.9
22.5°	997.2
25°	898.1
27.5°	793.3
30°	681.0
32.5°	559.4
35°	449.0
37.5°	348.0
40°	265.7
42.5°	200.2
45°	149.7
47.5°	108.5
50°	80.5
52.5°	58.0
55°	39.3
57.5°	16.8
60°	7.5
62.5°	5.6
65°	5.6
67.5°	3.7
70°	3.7
72.5°	3.7
75°	3.7
77.5°	1.9
80°	1.9
82.5°	1.9
85°	1.9
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)