

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: **LSR2WM2B20WFL559050D010 2LBDL*B**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL559050D010 2LBDL*B
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1422.1 lumens
Efficiency: N/A
Efficacy: 68.0 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

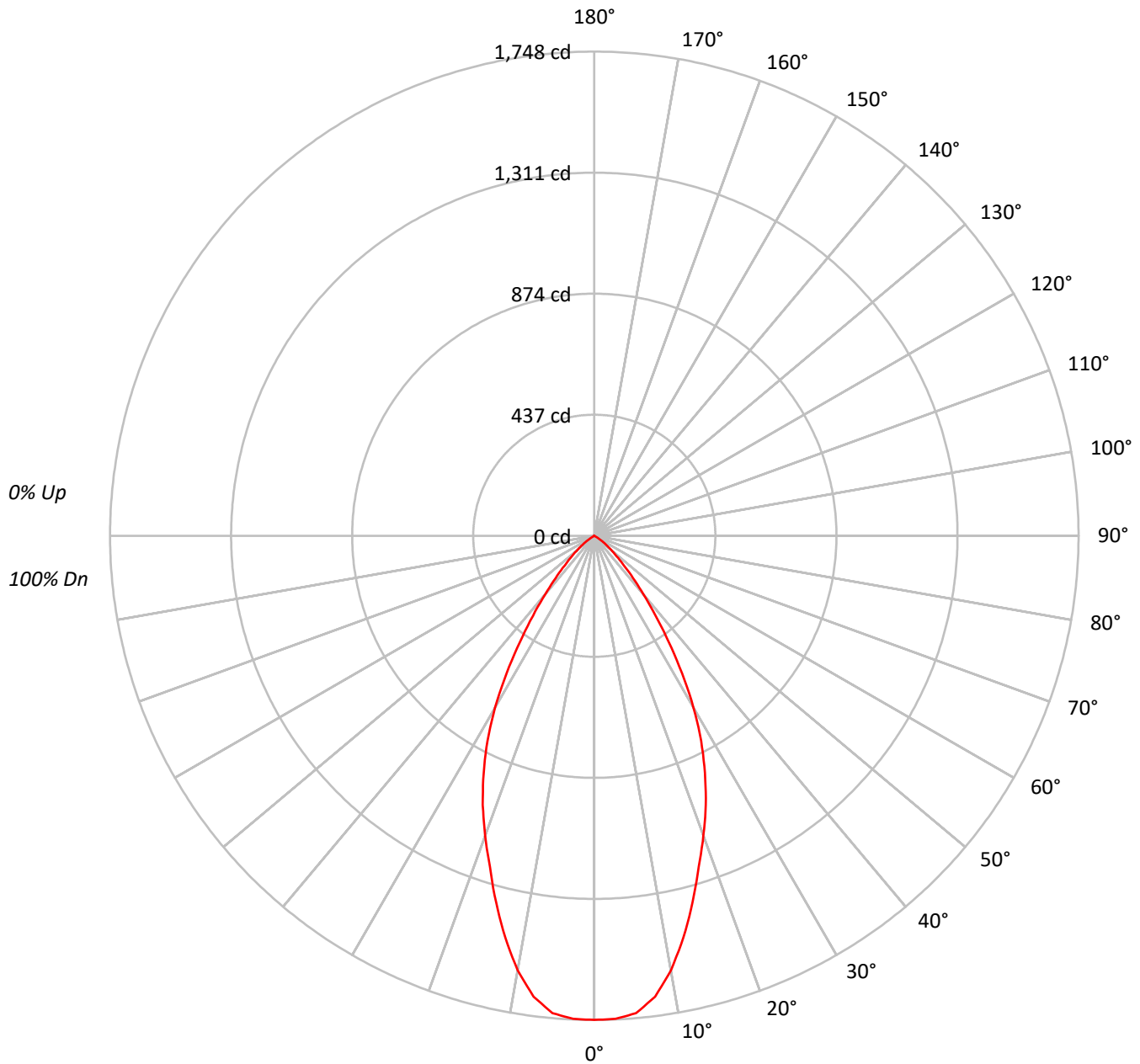
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106		111	109	106	104		104	103	101			101	99	98			93
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			87
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			80
4	97	89	84	79		95	88	83	79		86	82	78			84	80	77			75
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			69
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			65
7	83	73	67	63		81	73	67	63		71	66	63			70	66	62			60
8	79	69	63	59		78	69	63	59		67	62	59			66	62	58			57
9	75	65	59	55		74	65	59	55		64	59	55			63	58	55			53
10	71	62	56	52		70	61	56	52		60	55	52			60	55	52			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	677003
5°	672629
10°	626443
15°	549384
20°	474572
25°	403669
30°	320155
35°	220968
40°	138749
45°	82771
50°	47907
55°	24176
60°	1549
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	11.3
10°-20°	381.8	26.9
20°-30°	429.8	30.2
30°-40°	295.3	20.8
40°-50°	122.7	8.6
50°-60°	31.6	2.2
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°	972.3	68.4
0°-40°	1267.6	89.1
0°-60°	1421.9	100.0
0°-90°	1422.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1748	
5°	1730	161
15°	1370	382
25°	944	430
35°	467	295
45°	151	123
55°	36	32
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1747.8
2.5°	1745.8
5°	1729.9
7.5°	1678.2
10°	1592.7
12.5°	1485.3
15°	1370.0
17.5°	1252.7
20°	1151.3
22.5°	1051.9
25°	944.5
27.5°	835.1
30°	715.8
32.5°	588.6
35°	467.3
37.5°	363.9
40°	274.4
42.5°	206.8
45°	151.1
47.5°	109.4
50°	79.5
52.5°	55.7
55°	35.8
57.5°	11.9
60°	2.0
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)