

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: **LSR2WM2B20WFL559040D010 2LBDL*GPH**

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 (P14806)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL559040D010 2LBDL*GPH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1356.7 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

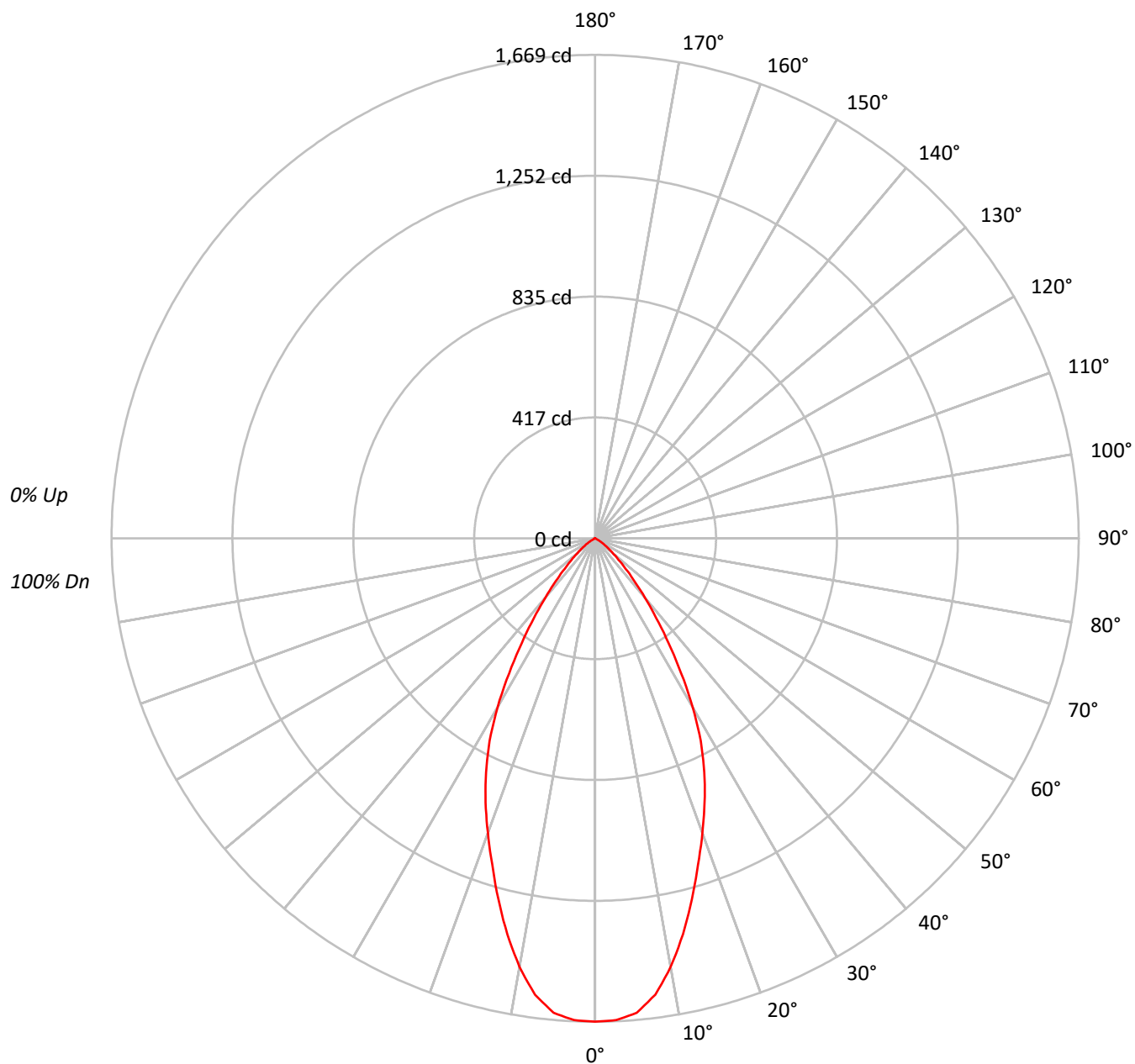
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			86
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			80
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			74
5	92	83	77	73		90	82	77	72		80	75	72			79	74	71			69
6	87	78	72	67		85	77	71	67		75	70	67			74	70	66			64
7	83	73	67	63		81	72	67	62		71	66	62			70	65	62			60
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			56
9	75	65	59	55		73	64	59	55		63	58	54			62	58	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	646442
5°	639346
10°	590926
15°	517463
20°	446129
25°	380889
30°	301280
35°	208485
40°	134906
45°	81895
50°	47907
55°	26810
60°	10226
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	11.2
10°-20°	359.8	26.5
20°-30°	404.8	29.8
30°-40°	279.2	20.6
40°-50°	120.6	8.9
50°-60°	37.4	2.8
60°-70°	2.5	0.2
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°	917.0	67.6
0°-40°	1196.2	88.2
0°-60°	1354.2	99.8
0°-90°	1356.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1669	
5°	1644	152
15°	1290	360
25°	891	405
35°	441	279
45°	150	121
55°	40	37
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1668.9
2.5°	1665.1
5°	1644.3
7.5°	1589.4
10°	1502.4
12.5°	1400.2
15°	1290.4
17.5°	1180.7
20°	1082.3
22.5°	987.7
25°	891.2
27.5°	789.0
30°	673.6
32.5°	552.5
35°	440.9
37.5°	346.3
40°	266.8
42.5°	200.6
45°	149.5
47.5°	109.7
50°	79.5
52.5°	56.8
55°	39.7
57.5°	26.5
60°	13.2
62.5°	3.8
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)