

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: **LSR2WM2B20WFL558027D010 2LBDL*LI**

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 (P29153)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL558027D010 2LBDL*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1603.8 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

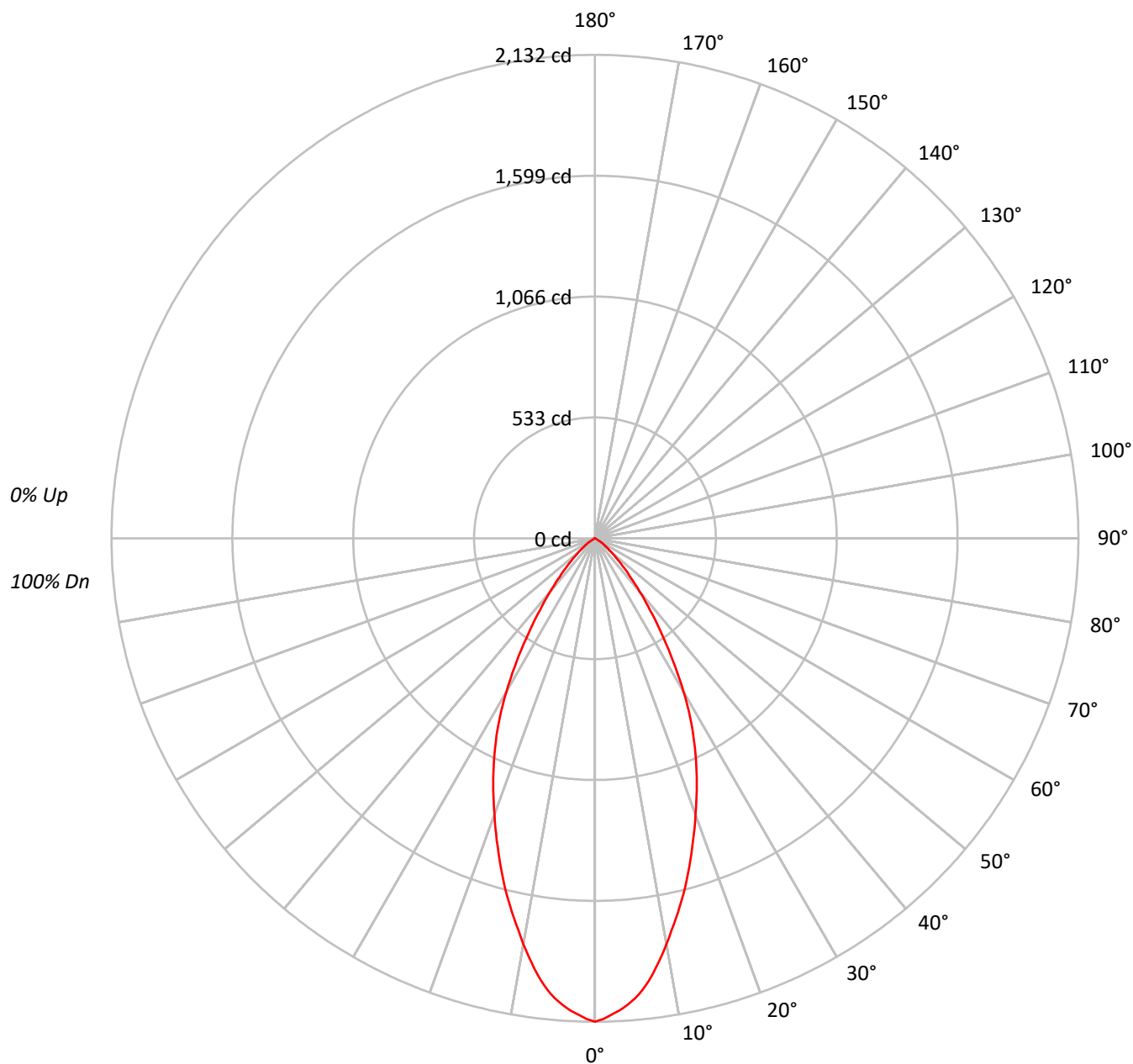
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106		111	109	106	104		104	103	101			101	99	98			97
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			92
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			87
4	97	89	84	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			77
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			73
7	83	73	67	63		82	73	67	63		72	66	63			70	66	62			69
8	79	69	63	59		78	69	63	59		68	62	59			66	62	58			66
9	75	65	59	55		74	65	59	55		64	59	55			63	58	55			62
10	72	62	56	52		71	61	56	52		61	55	52			60	55	52			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	825860
5°	791649
10°	714940
15°	626378
20°	534424
25°	448288
30°	349675
35°	241065
40°	154828
45°	93672
50°	54957
55°	30794
60°	8831
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	11.7
10°-20°	434.1	27.1
20°-30°	477.1	29.7
30°-40°	322.8	20.1
40°-50°	138.4	8.6
50°-60°	42.3	2.6
60°-70°	1.8	0.1
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°	1098.5	68.5
0°-40°	1421.4	88.6
0°-60°	1602.0	99.9
0°-90°	1603.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1603.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2132	
5°	2036	187
15°	1562	434
25°	1049	477
35°	510	323
45°	171	138
55°	46	42
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2132.1
1°	2120.7
2°	2102.8
3°	2084.9
4°	2062.1
5°	2036.0
6°	2003.4
7°	1964.3
8°	1917.1
9°	1868.2
10°	1817.7
11°	1764.0
12°	1715.1
13°	1664.6
14°	1614.1
15°	1562.0
17.5°	1426.8
20°	1296.5
22.5°	1172.7
25°	1048.9
27.5°	921.9
30°	781.8
32.5°	640.1
35°	509.8
37.5°	399.1
40°	306.2
42.5°	231.3
45°	171.0
47.5°	125.4
50°	91.2
52.5°	65.2
55°	45.6
57.5°	29.3
60°	11.4
62.5°	1.6
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)