

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: **LSR2WM2B20WFL559727D010 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: LSR2WM2B20WFL559727D010 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: 1136.2 lumens
Efficiency: N/A
Efficacy: 54.4 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

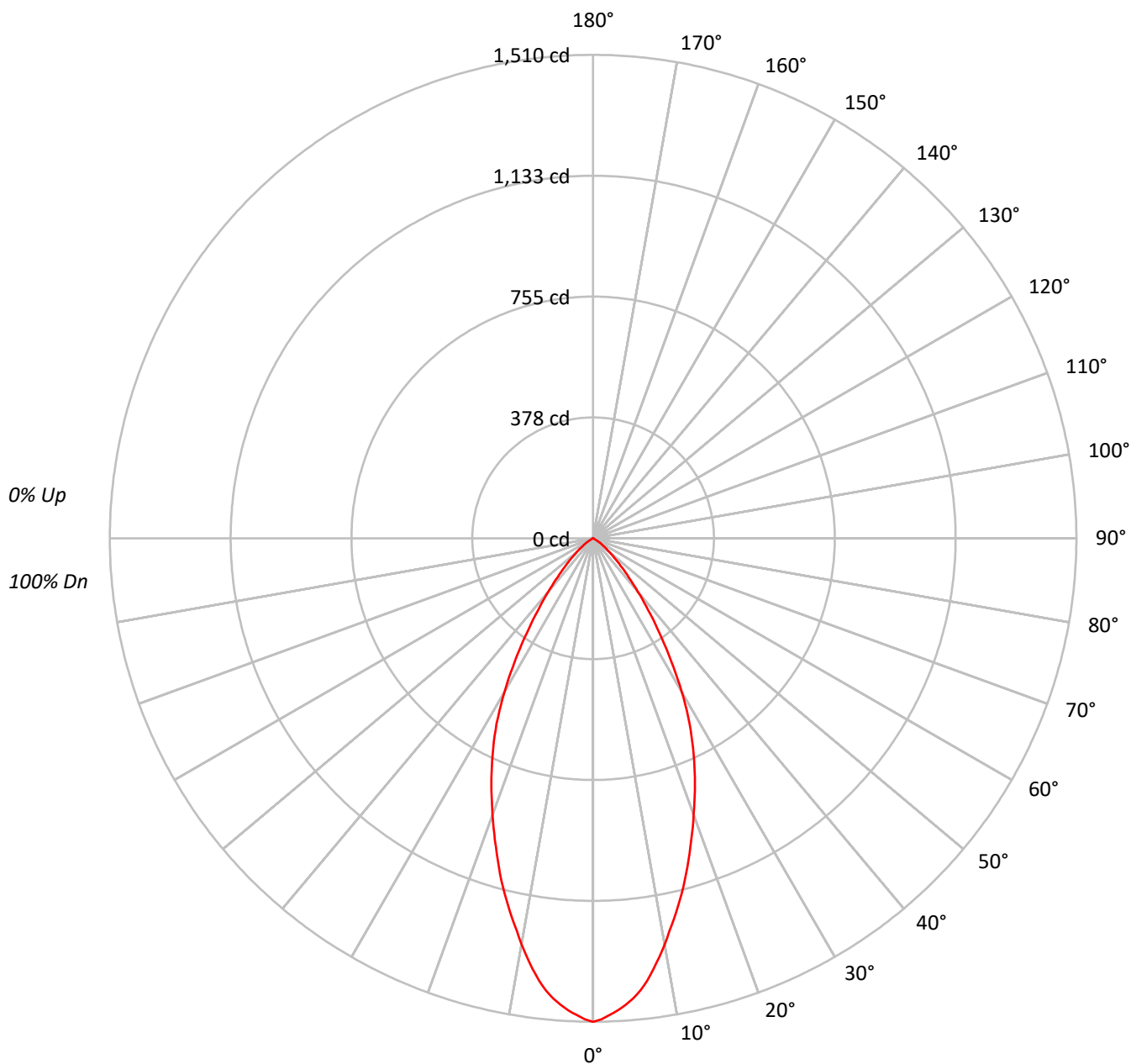
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559727D010 2LBDL*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559727D010 2LBDL*LI

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°	585086
5°	560842
10°	506519
15°	443758
20°	378610
25°	317593
30°	247742
35°	170798
40°	109674
45°	66392
50°	38928
55°	21813
60°	6275
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559727D010 2LBDL*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	11.7
10°-20°	307.6	27.1
20°-30°	338.0	29.7
30°-40°	228.7	20.1
40°-50°	98.1	8.6
50°-60°	30.0	2.6
60°-70°	1.3	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°	778.2	68.5
0°-40°	1007.0	88.6
0°-60°	1135.0	99.9
0°-90°	1136.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1510	
5°	1442	133
15°	1107	308
25°	743	338
35°	361	229
45°	121	98
55°	32	30
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559727D010 2LBDL*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1510.5
1°	1502.4
2°	1489.7
3°	1477.0
4°	1460.8
5°	1442.4
6°	1419.3
7°	1391.6
8°	1358.2
9°	1323.5
10°	1287.8
11°	1249.7
12°	1215.1
13°	1179.3
14°	1143.5
15°	1106.6
17.5°	1010.8
20°	918.5
22.5°	830.8
25°	743.1
27.5°	653.1
30°	553.9
32.5°	453.5
35°	361.2
37.5°	282.7
40°	216.9
42.5°	163.9
45°	121.2
47.5°	88.9
50°	64.6
52.5°	46.2
55°	32.3
57.5°	20.8
60°	8.1
62.5°	1.2
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



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559727D010 2LBDL*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)