

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 2LBD*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: LSR2WM2B20WFL559040D010 2LBD*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1511.7 lumens
Efficiency: N/A
Efficacy: 72.3 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

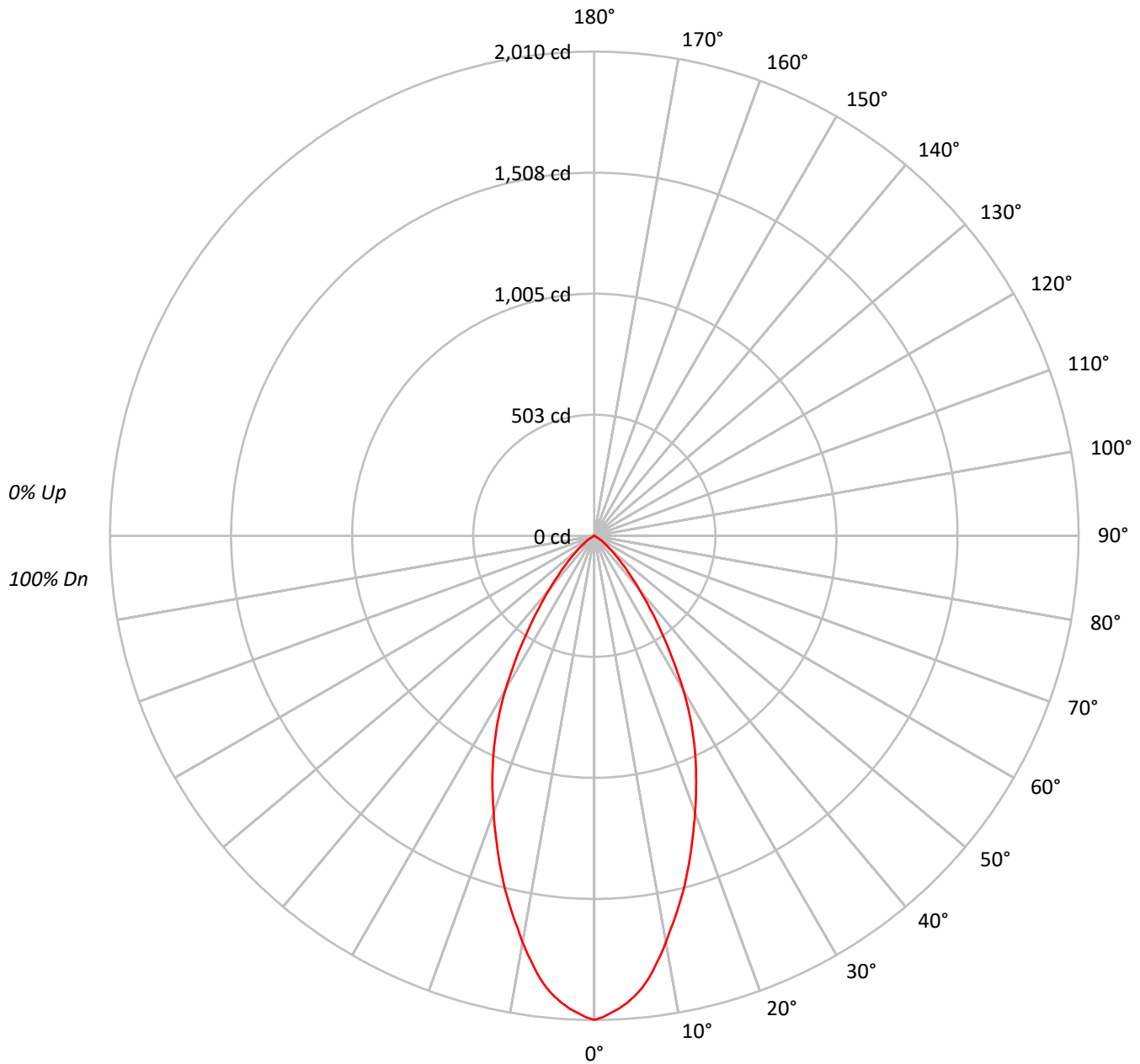
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559040D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559040D010 2LBD*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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	81	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		82	73	67	63		72	66	63		70	66	62		69	65	62
8	79	69	63	59		78	69	63	59		68	62	59		66	62	58		66	61	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	778449
5°	746195
10°	673917
15°	590407
20°	503756
25°	422560
30°	329592
35°	227210
40°	145929
45°	88304
50°	51824
55°	29039
60°	8289
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559040D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	11.7
10°-20°	409.2	27.1
20°-30°	449.7	29.8
30°-40°	304.3	20.1
40°-50°	130.4	8.6
50°-60°	39.8	2.6
60°-70°	1.7	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°	1035.5	68.5
0°-40°	1339.7	88.6
0°-60°	1510.0	99.9
0°-90°	1511.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2010	
5°	1919	177
15°	1472	409
25°	989	450
35°	480	304
45°	161	130
55°	43	40
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559040D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2009.7
1°	1998.9
2°	1982.0
3°	1965.1
4°	1943.6
5°	1919.1
6°	1888.4
7°	1851.5
8°	1807.0
9°	1760.9
10°	1713.4
11°	1662.7
12°	1616.6
13°	1569.0
14°	1521.4
15°	1472.3
17.5°	1344.9
20°	1222.1
22.5°	1105.4
25°	988.7
27.5°	869.0
30°	736.9
32.5°	603.4
35°	480.5
37.5°	376.1
40°	288.6
42.5°	218.0
45°	161.2
47.5°	118.2
50°	86.0
52.5°	61.4
55°	43.0
57.5°	27.6
60°	10.7
62.5°	1.5
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: LSR2WM2B20WFL559040D010 2LBD*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)