

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: **LSR2WM2B20WFL559035D010 2LBD*H**

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 (P29157)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL559035D010 2LBD*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1473.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

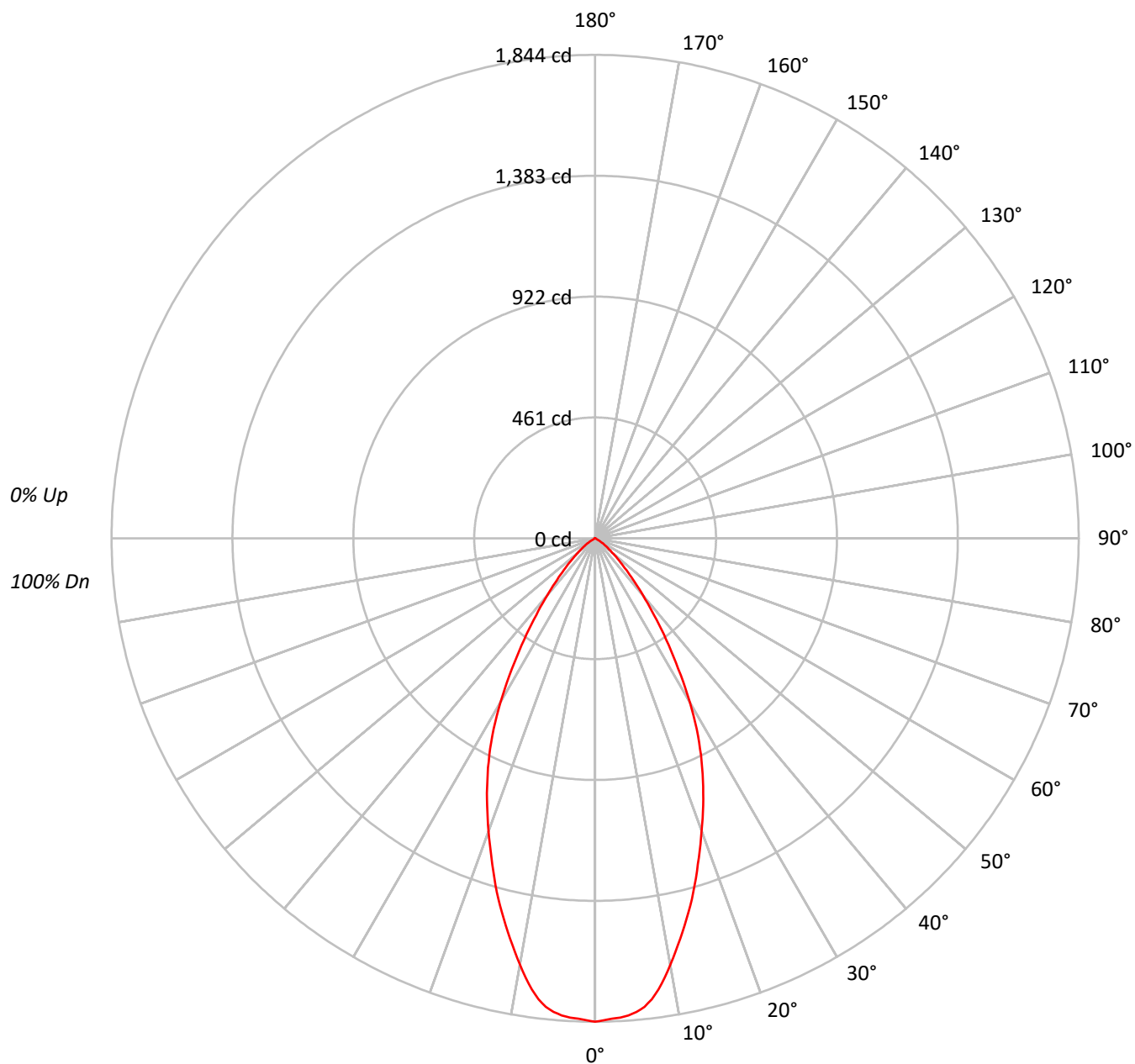
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559035D010 2LBD*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559035D010 2LBD*H

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	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92
3	102	96	91	86	100	94	90	86	92	88	84		89	86	83		87
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	77	71	67	76	71	67		74	70	66		73
7	83	73	67	63	81	73	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	62	56	52	70	61	55	52	60	55	52		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	714266
5°	705291
10°	649531
15°	571680
20°	489576
25°	413029
30°	322525
35°	222813
40°	143097
45°	87427
50°	51703
55°	29511
60°	9296
65°	1375
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559035D010 2LBD*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	11.4
10°-20°	396.1	26.9
20°-30°	439.2	29.8
30°-40°	298.1	20.2
40°-50°	128.7	8.7
50°-60°	40.4	2.7
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°	1003.3	68.1
0°-40°	1301.4	88.3
0°-60°	1470.5	99.8
0°-90°	1473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1844	
5°	1814	168
15°	1426	396
25°	966	439
35°	471	298
45°	160	129
55°	44	40
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559035D010 2LBD*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1844.0
1°	1839.5
2°	1833.5
3°	1830.5
4°	1824.5
5°	1813.9
6°	1797.4
7°	1771.8
8°	1737.2
9°	1696.5
10°	1651.4
11°	1606.2
12°	1561.0
13°	1515.9
14°	1470.7
15°	1425.6
17.5°	1303.6
20°	1187.7
22.5°	1077.8
25°	966.4
27.5°	850.5
30°	721.1
32.5°	590.1
35°	471.2
37.5°	368.8
40°	283.0
42.5°	213.8
45°	159.6
47.5°	117.4
50°	85.8
52.5°	61.7
55°	43.7
57.5°	28.6
60°	12.0
62.5°	3.0
65°	1.5
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: LSR2WM2B20WFL559035D010 2LBD*H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)