

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: **LSR2WM2B20WFL559050D010 2LBD*WMH**

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 (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL559050D010 2LBD*WMH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1533.5 lumens
Efficiency: N/A
Efficacy: 73.4 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

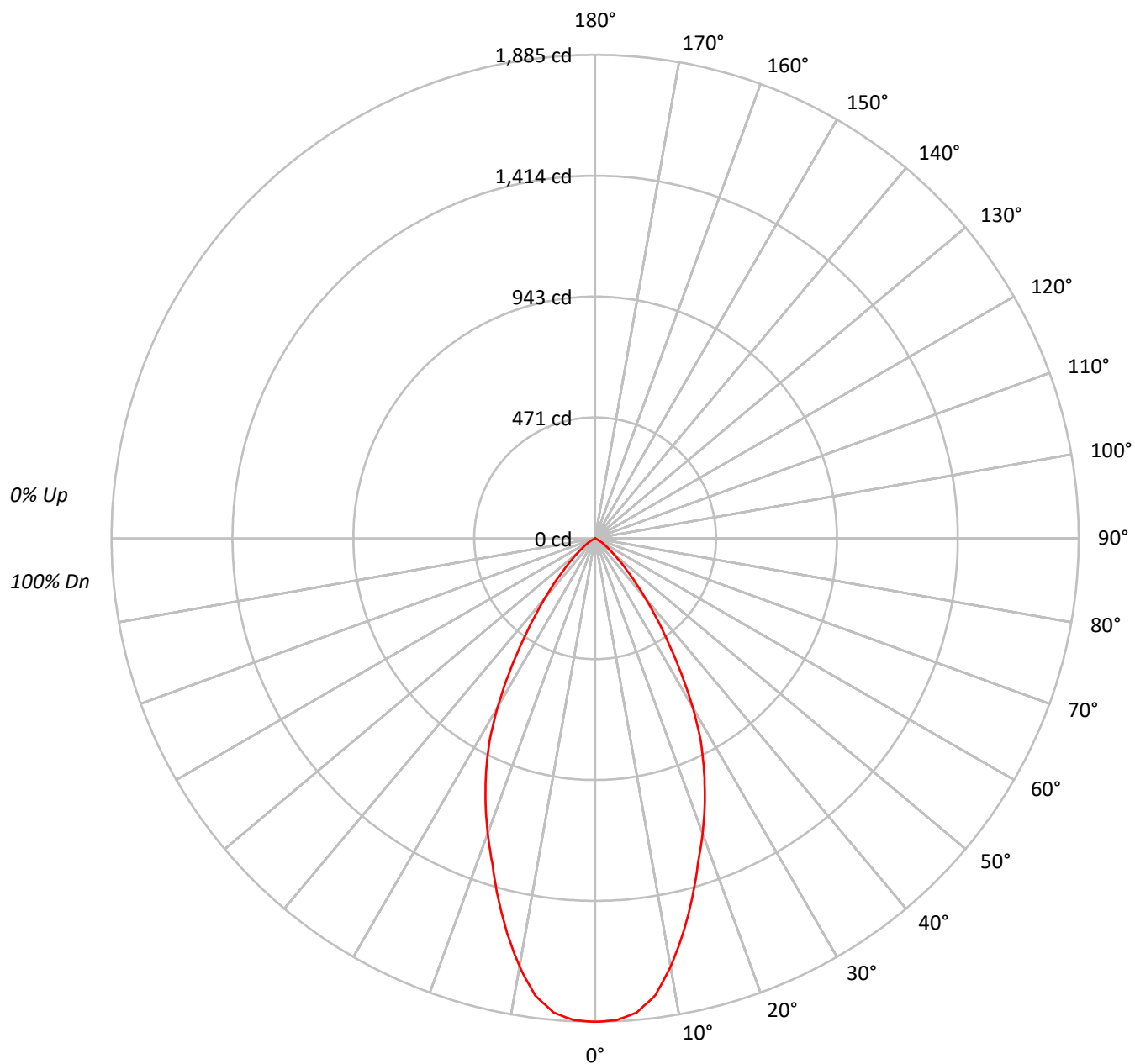
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559050D010 2LBD*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559050D010 2LBD*WMH

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	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	86		91	87	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	78	76
5	92	83	77	73		90	82	77	72		80	75	72		79	74	71		77	73	70
6	87	78	72	67		85	77	71	67		75	70	67		74	70	66		73	69	66
7	82	73	67	63		81	72	67	62		71	66	62		70	65	62		69	65	61
8	78	69	63	58		77	68	62	58		67	62	58		66	61	58		65	61	58
9	75	65	59	55		73	64	59	55		63	58	54		62	58	54		62	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	730302
5°	721621
10°	666994
15°	584592
20°	504498
25°	429483
30°	340148
35°	236100
40°	153412
45°	92303
50°	53330
55°	29849
60°	13092
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559050D010 2LBD*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.1	11.2
10°-20°	406.1	26.5
20°-30°	457.2	29.8
30°-40°	315.8	20.6
40°-50°	136.8	8.9
50°-60°	42.4	2.8
60°-70°	3.1	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°	1035.4	67.5
0°-40°	1351.2	88.1
0°-60°	1530.5	99.8
0°-90°	1533.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1885	
5°	1856	172
15°	1458	406
25°	1005	457
35°	499	316
45°	168	137
55°	44	42
65°	0	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20WFL559050D010 2LBD*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1885.4
2.5°	1881.2
5°	1855.9
7.5°	1797.0
10°	1695.8
12.5°	1580.0
15°	1457.8
17.5°	1331.4
20°	1223.9
22.5°	1116.5
25°	1004.9
27.5°	891.1
30°	760.5
32.5°	623.6
35°	499.3
37.5°	391.8
40°	303.4
42.5°	229.6
45°	168.5
47.5°	124.3
50°	88.5
52.5°	63.2
55°	44.2
57.5°	31.6
60°	16.9
62.5°	4.2
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)