

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: **LSR2B20WFL559027D010 2LBDL*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20WFL559027D010 2LBDL*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1264.6 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

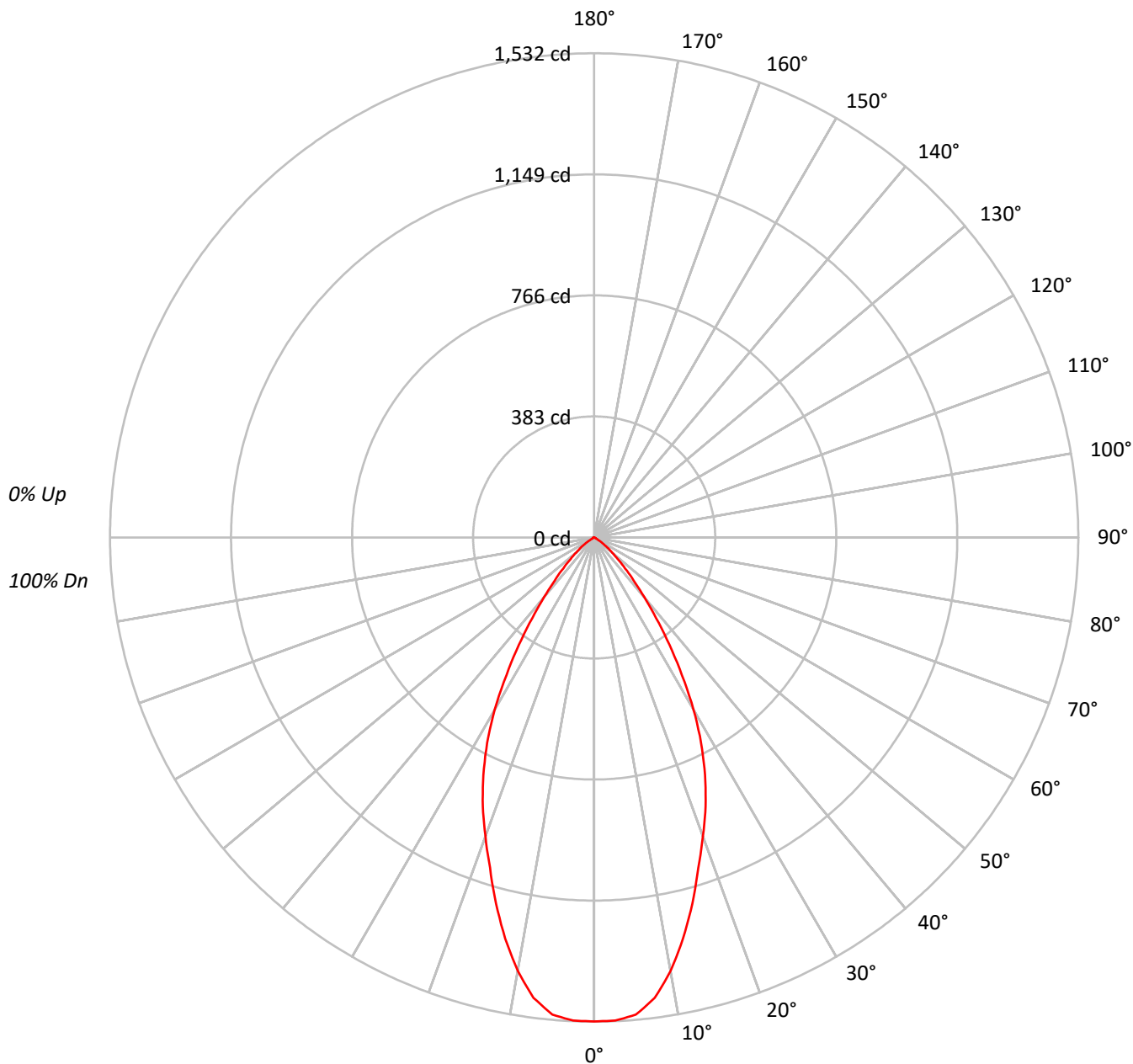
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559027D010 2LBDL*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559027D010 2LBDL*MW

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	110	108	106	111	108	106	104	104	102	101		101	99	98		97
2	108	102	98	95	105	101	97	94	98	94	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		87
4	97	89	83	79	95	88	82	78	85	81	77		83	80	76		82
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	71	67	85	77	71	67	75	70	66		74	69	66		73
7	82	73	67	62	81	72	66	62	71	66	62		70	65	62		69
8	78	69	62	58	77	68	62	58	67	62	58		66	61	58		65
9	74	65	59	55	73	64	58	54	63	58	54		62	57	54		61
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593220
5°	589421
10°	547975
15°	481052
20°	414678
25°	354605
30°	281421
35°	196143
40°	124136
45°	75759
50°	44773
55°	24514
60°	5345
65°	4766
70°	3964
75°	5238
80°	3792
85°	7555



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559027D010 2LBDL*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	11.1
10°-20°	334.1	26.4
20°-30°	376.9	29.8
30°-40°	260.8	20.6
40°-50°	111.2	8.8
50°-60°	32.2	2.5
60°-70°	4.7	0.4
70°-80°	3.0	0.2
80°-90°	1.2	0.1
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°	851.7	67.3
0°-40°	1112.5	88.0
0°-60°	1255.8	99.3
0°-90°	1264.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1532	
5°	1516	141
15°	1200	334
25°	830	377
35°	415	261
45°	138	111
55°	36	32
65°	5	5
75°	4	3
85°	2	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559027D010 2LBDL*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1531.5
2.5°	1529.7
5°	1515.9
7.5°	1469.2
10°	1393.2
12.5°	1299.9
15°	1199.6
17.5°	1095.9
20°	1006.0
22.5°	921.3
25°	829.7
27.5°	732.9
30°	629.2
32.5°	516.8
35°	414.8
37.5°	321.5
40°	245.5
42.5°	185.0
45°	138.3
47.5°	100.3
50°	74.3
52.5°	53.6
55°	36.3
57.5°	15.6
60°	6.9
62.5°	5.2
65°	5.2
67.5°	3.5
70°	3.5
72.5°	3.5
75°	3.5
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)