

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: **LSR2B20WFL558027D010 2LBD*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: LSR2B20WFL558027D010 2LBD*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1737.0 lumens
Efficiency: N/A
Efficacy: 83.1 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

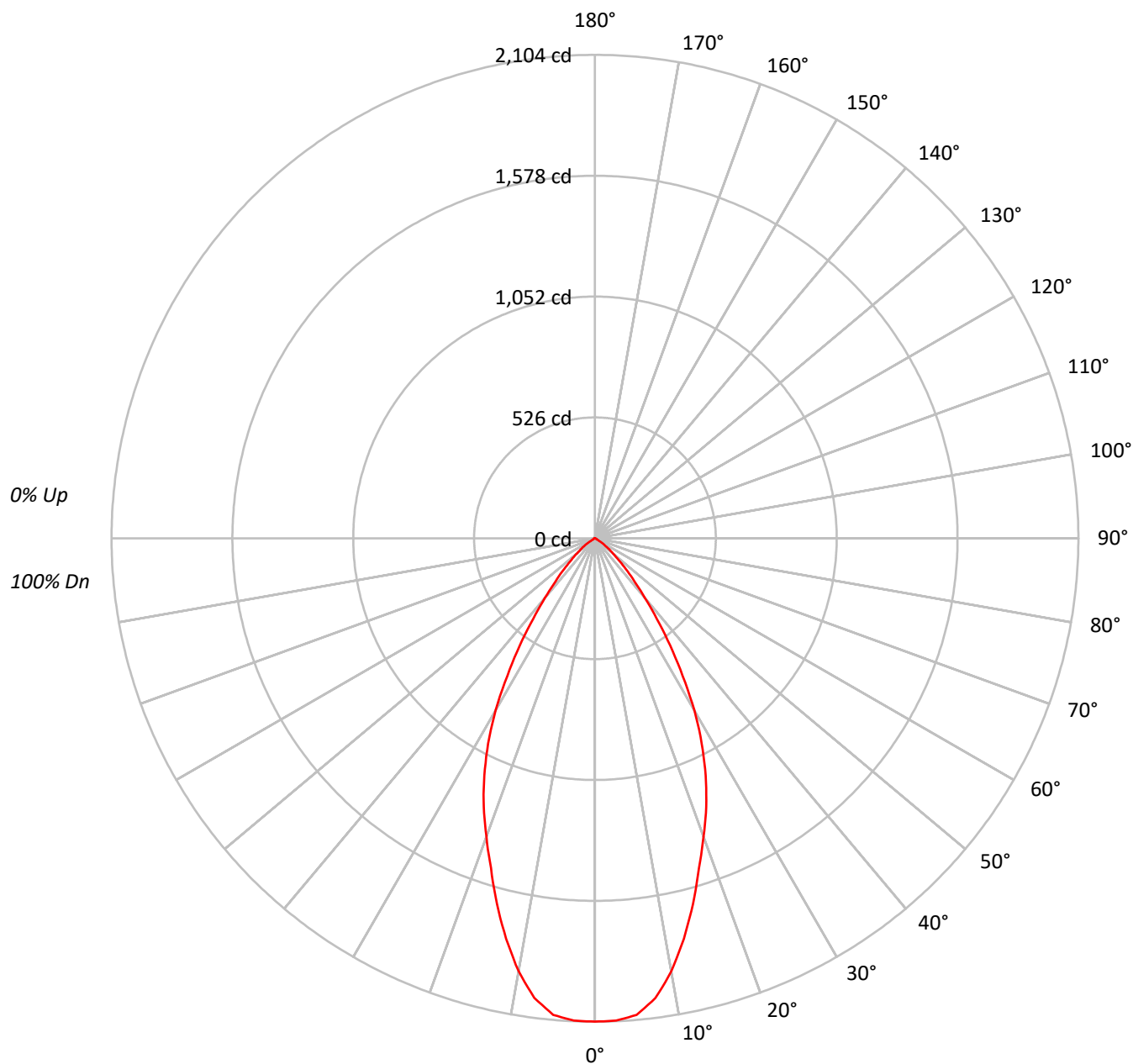
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558027D010 2LBD*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558027D010 2LBD*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°	814821
5°	809613
10°	752660
15°	660744
20°	569585
25°	487053
30°	386530
35°	269437
40°	170453
45°	104025
50°	61526
55°	33698
60°	7360
65°	6507
70°	5323
75°	7034
80°	5354
85°	10666



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558027D010 2LBD*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	11.1
10°-20°	458.9	26.4
20°-30°	517.7	29.8
30°-40°	358.2	20.6
40°-50°	152.6	8.8
50°-60°	44.2	2.5
60°-70°	6.4	0.4
70°-80°	4.0	0.2
80°-90°	1.6	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°	1169.9	67.4
0°-40°	1528.0	88.0
0°-60°	1724.9	99.3
0°-90°	1737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1737.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2104	
5°	2082	193
15°	1648	459
25°	1140	518
35°	570	358
45°	190	153
55°	50	44
65°	7	6
75°	5	4
85°	2	2
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558027D010 2LBD*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2103.6
2.5°	2101.2
5°	2082.2
7.5°	2018.1
10°	1913.6
12.5°	1785.4
15°	1647.7
17.5°	1505.3
20°	1381.8
22.5°	1265.5
25°	1139.6
27.5°	1006.7
30°	864.2
32.5°	709.9
35°	569.8
37.5°	441.6
40°	337.1
42.5°	254.0
45°	189.9
47.5°	137.7
50°	102.1
52.5°	73.6
55°	49.9
57.5°	21.4
60°	9.5
62.5°	7.1
65°	7.1
67.5°	4.7
70°	4.7
72.5°	4.7
75°	4.7
77.5°	2.4
80°	2.4
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)