

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: **LSR2B20WFL558050D010 2LBDL*GPH**

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 (P14806)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20WFL558050D010 2LBDL*GPH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1659.4 lumens
Efficiency: N/A
Efficacy: 79.4 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

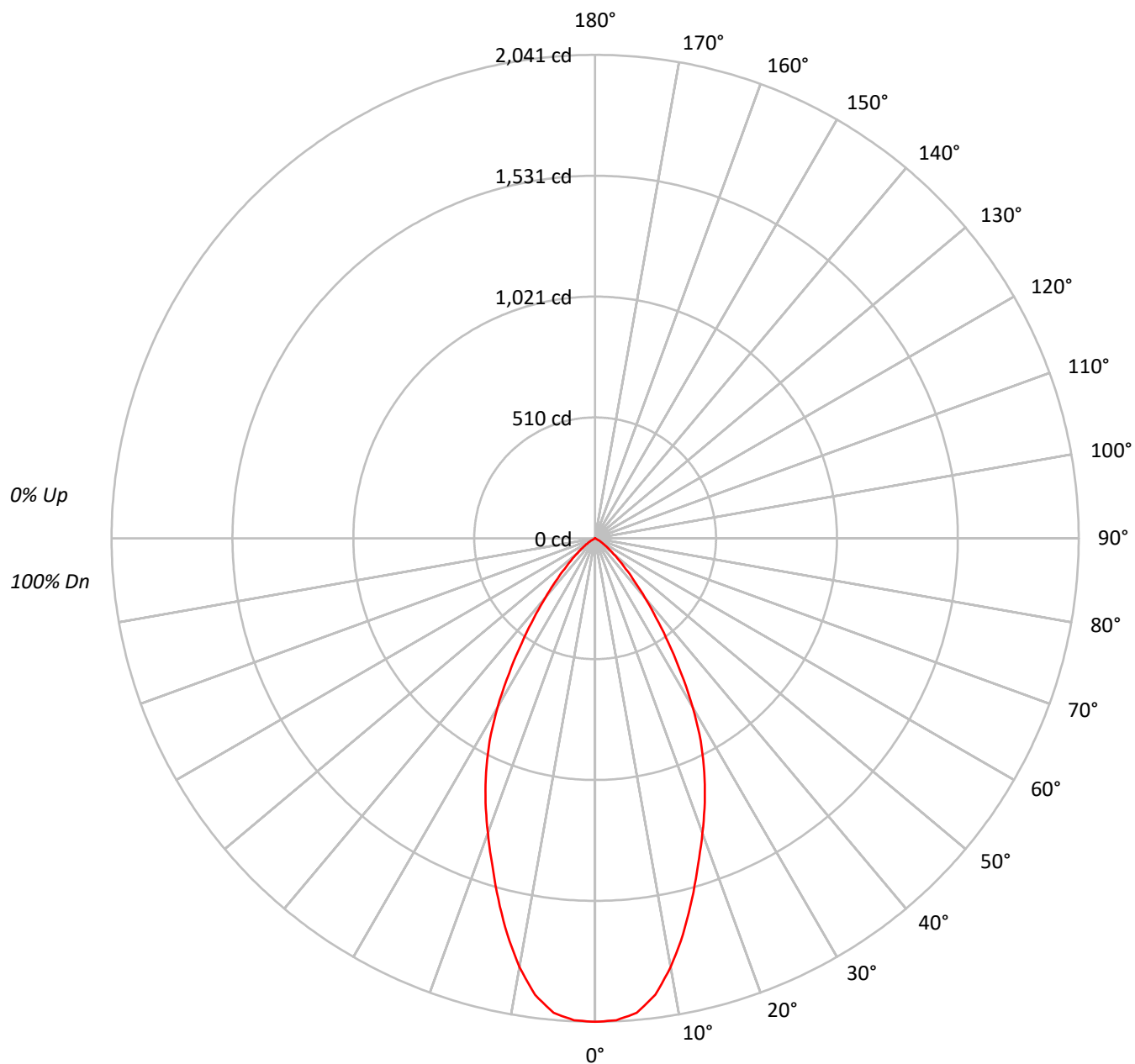
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDL*GPH

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	95	90	86	100	94	89	86	91	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	72	80	75	72		79	74	71		77
6	87	78	72	67	85	77	71	67	75	70	67		74	70	66		73
7	83	73	67	63	81	72	67	62	71	66	62		70	65	62		69
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	54		62	58	54		62
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	790689
5°	782006
10°	722807
15°	632954
20°	545718
25°	465897
30°	368505
35°	255015
40°	164992
45°	100136
50°	58573
55°	32820
60°	12550
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	11.2
10°-20°	440.1	26.5
20°-30°	495.2	29.8
30°-40°	341.5	20.6
40°-50°	147.5	8.9
50°-60°	45.8	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°	1121.6	67.6
0°-40°	1463.1	88.2
0°-60°	1656.4	99.8
0°-90°	1659.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1659.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2041	
5°	2011	186
15°	1578	440
25°	1090	495
35°	539	342
45°	183	147
55°	49	46
65°	0	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2041.3
2.5°	2036.7
5°	2011.2
7.5°	1944.1
10°	1837.7
12.5°	1712.7
15°	1578.4
17.5°	1444.2
20°	1323.9
22.5°	1208.1
25°	1090.1
27.5°	965.1
30°	823.9
32.5°	675.8
35°	539.3
37.5°	423.5
40°	326.3
42.5°	245.3
45°	182.8
47.5°	134.2
50°	97.2
52.5°	69.4
55°	48.6
57.5°	32.4
60°	16.2
62.5°	4.6
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)