

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 2LBD*WH**

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 (P14804)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20WFL558050D010 2LBD*WH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1824.2 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.81
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

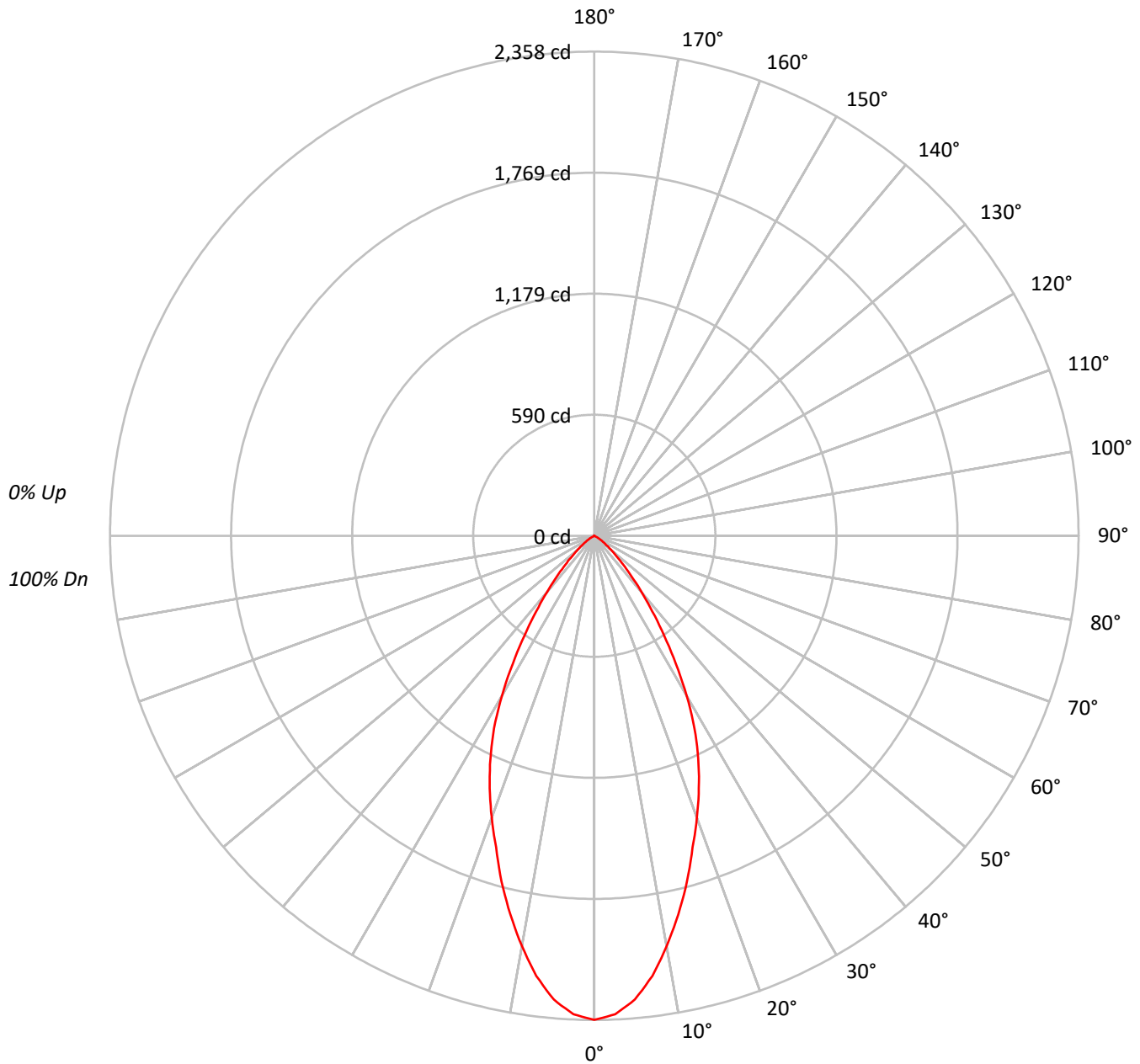
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBD*WH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBD*WH

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	90	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	80	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	61	58		65
9	75	65	59	55	74	64	59	55	64	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	913168
5°	881584
10°	798167
15°	699241
20°	602067
25°	511798
30°	402273
35°	279603
40°	181172
45°	108408
50°	63394
55°	35522
60°	13557
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBD*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	11.4
10°-20°	485.5	26.6
20°-30°	543.9	29.8
30°-40°	373.8	20.5
40°-50°	160.6	8.8
50°-60°	49.0	2.7
60°-70°	2.7	0.1
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°	1238.1	67.9
0°-40°	1611.9	88.4
0°-60°	1821.5	99.9
0°-90°	1824.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1824.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2358	
5°	2267	209
15°	1744	485
25°	1198	544
35°	591	374
45°	198	161
55°	53	49
65°	0	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558050D010 2LBD*WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2357.5
2.5°	2332.4
5°	2267.3
7.5°	2162.1
10°	2029.3
12.5°	1889.0
15°	1743.7
17.5°	1590.9
20°	1460.6
22.5°	1330.3
25°	1197.5
27.5°	1057.2
30°	899.4
32.5°	739.1
35°	591.3
37.5°	463.5
40°	358.3
42.5°	268.1
45°	197.9
47.5°	145.3
50°	105.2
52.5°	72.7
55°	52.6
57.5°	35.1
60°	17.5
62.5°	2.5
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)