

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: **LSR2B10WFL559030D2WD010 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: LSR2B10WFL559030D2WD010 2LBDL*GPH
Description: 1000 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: 522.2 lumens
Efficiency: N/A
Efficacy: 50.7 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

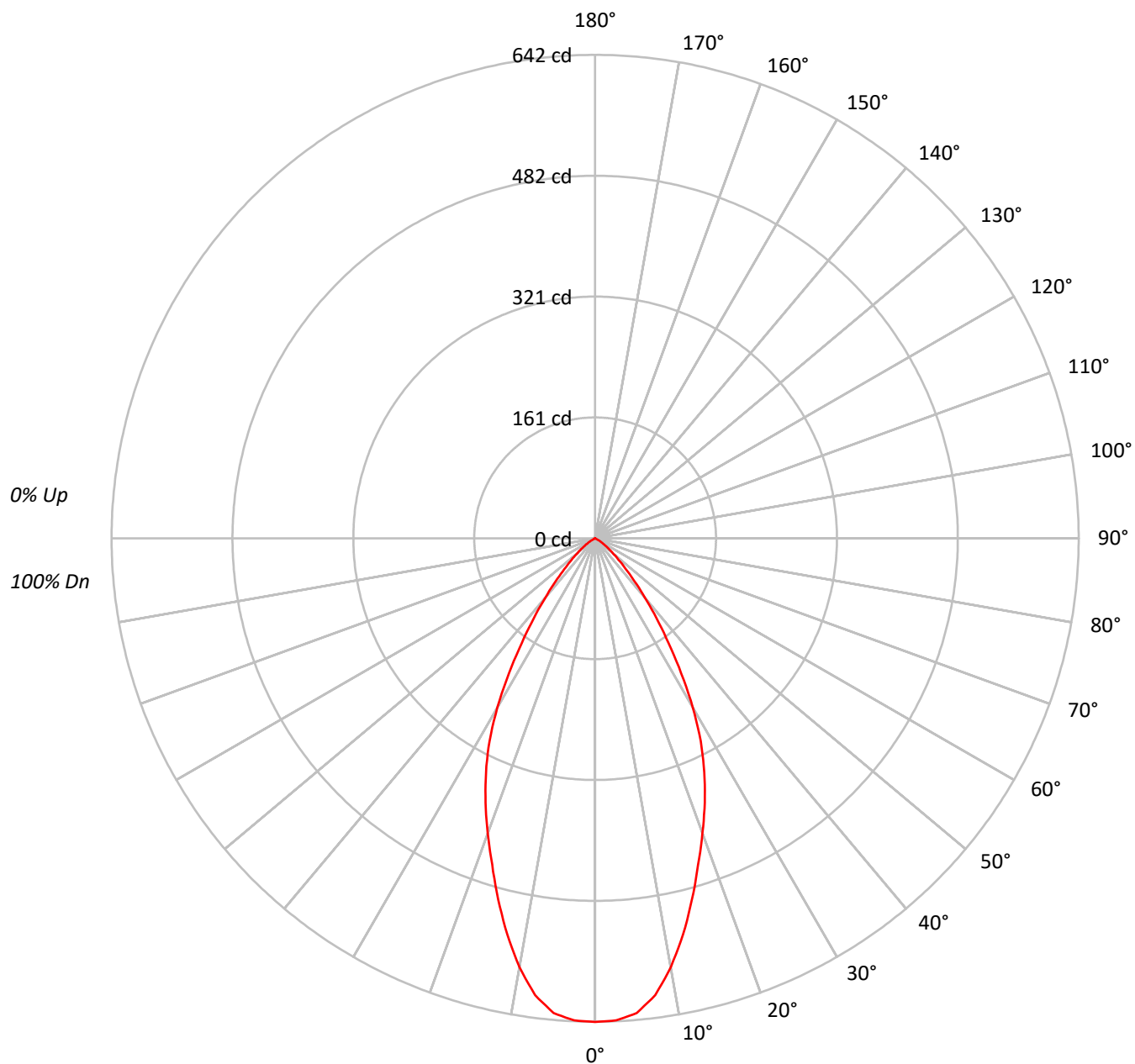
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D2WD010 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D2WD010 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	73	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°	248831
5°	246088
10°	227458
15°	199182
20°	171725
25°	146594
30°	115977
35°	80245
40°	51930
45°	31553
50°	18440
55°	10332
60°	3951
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D2WD010 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	11.2
10°-20°	138.5	26.5
20°-30°	155.8	29.8
30°-40°	107.5	20.6
40°-50°	46.4	8.9
50°-60°	14.4	2.8
60°-70°	1.0	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°	353.0	67.6
0°-40°	460.4	88.2
0°-60°	521.3	99.8
0°-90°	522.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	642	
5°	633	59
15°	497	138
25°	343	156
35°	170	107
45°	58	46
55°	15	14
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D2WD010 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	642.4
2.5°	640.9
5°	632.9
7.5°	611.8
10°	578.3
12.5°	539.0
15°	496.7
17.5°	454.5
20°	416.6
22.5°	380.2
25°	343.0
27.5°	303.7
30°	259.3
32.5°	212.7
35°	169.7
37.5°	133.3
40°	102.7
42.5°	77.2
45°	57.6
47.5°	42.2
50°	30.6
52.5°	21.8
55°	15.3
57.5°	10.2
60°	5.1
62.5°	1.5
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)