

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: **LSRWM2B10WFL559030D2WD010 2LBDL*H**

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 (P14807)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSRWM2B10WFL559030D2WD010 2LBDL*H
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 534.1 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

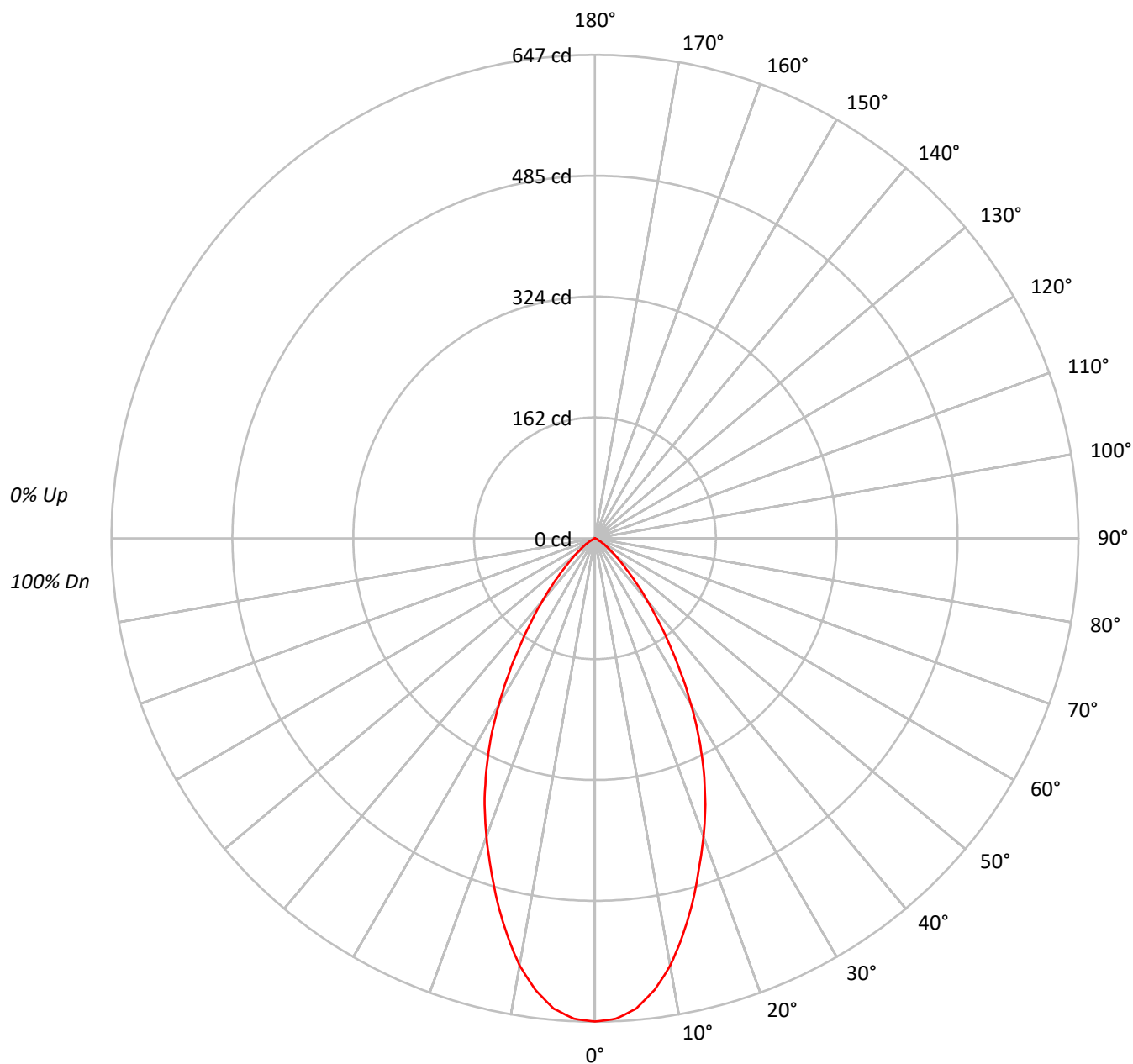
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B10WFL559030D2WD010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B10WFL559030D2WD010 2LBDL*H

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	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		86
4	96	89	83	79	95	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	66	62	81	72	66	62	71	65	62		69	65	61		68
8	78	68	62	58	77	68	62	58	67	61	57		66	61	57		65
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	250535
5°	245699
10°	228362
15°	202229
20°	175022
25°	147150
30°	115216
35°	82325
40°	54964
45°	34073
50°	20428
55°	12223
60°	5500
65°	733
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B10WFL559030D2WD010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	11.0
10°-20°	140.4	26.3
20°-30°	156.6	29.3
30°-40°	109.7	20.5
40°-50°	50.1	9.4
50°-60°	16.7	3.1
60°-70°	1.8	0.3
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°	355.7	66.6
0°-40°	465.4	87.1
0°-60°	532.2	99.7
0°-90°	534.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	647	
5°	632	59
15°	504	140
25°	344	157
35°	174	110
45°	62	50
55°	18	17
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B10WFL559030D2WD010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	646.8
2.5°	643.7
5°	631.9
7.5°	609.8
10°	580.6
12.5°	543.6
15°	504.3
17.5°	463.3
20°	424.6
22.5°	386.0
25°	344.3
27.5°	301.7
30°	257.6
32.5°	214.3
35°	174.1
37.5°	138.7
40°	108.7
42.5°	82.7
45°	62.2
47.5°	46.5
50°	33.9
52.5°	24.4
55°	18.1
57.5°	12.6
60°	7.1
62.5°	2.4
65°	0.8
67.5°	0.8
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)