

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: **LSR2B10WFL559030D010 2LBDC*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: LSR2B10WFL559030D010 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 779.2 lumens
Efficiency: N/A
Efficacy: 75.7 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

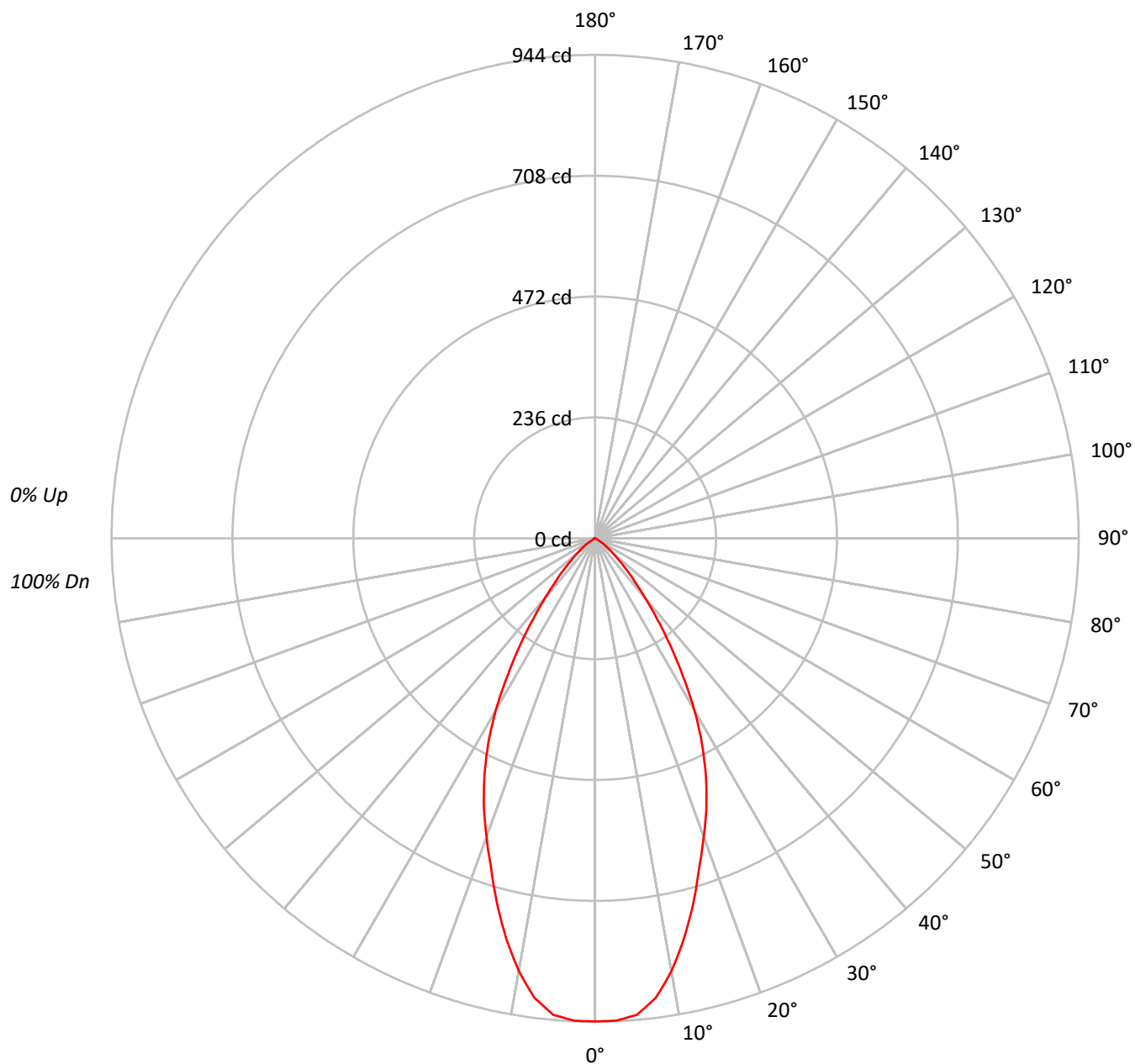
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDC*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°	365500
5°	363202
10°	337627
15°	296387
20°	255526
25°	218481
30°	173406
35°	120864
40°	76453
45°	46672
50°	27599
55°	15127
60°	3331
65°	2933
70°	2378
75°	3143
80°	2454
85°	4889



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	11.1
10°-20°	205.8	26.4
20°-30°	232.3	29.8
30°-40°	160.7	20.6
40°-50°	68.5	8.8
50°-60°	19.8	2.5
60°-70°	2.9	0.4
70°-80°	1.8	0.2
80°-90°	0.7	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°	524.8	67.3
0°-40°	685.5	88.0
0°-60°	773.8	99.3
0°-90°	779.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	944	
5°	934	87
15°	739	206
25°	511	232
35°	256	161
45°	85	68
55°	22	20
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	943.6
2.5°	942.6
5°	934.1
7.5°	905.3
10°	858.4
12.5°	800.9
15°	739.1
17.5°	675.2
20°	619.9
22.5°	567.7
25°	511.2
27.5°	451.6
30°	387.7
32.5°	318.5
35°	255.6
37.5°	198.1
40°	151.2
42.5°	114.0
45°	85.2
47.5°	61.8
50°	45.8
52.5°	33.0
55°	22.4
57.5°	9.6
60°	4.3
62.5°	3.2
65°	3.2
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)