

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 2LBDL*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: LSR2B10WFL559030D010 2LBDL*WH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716.5 lumens
Efficiency: N/A
Efficacy: 69.6 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

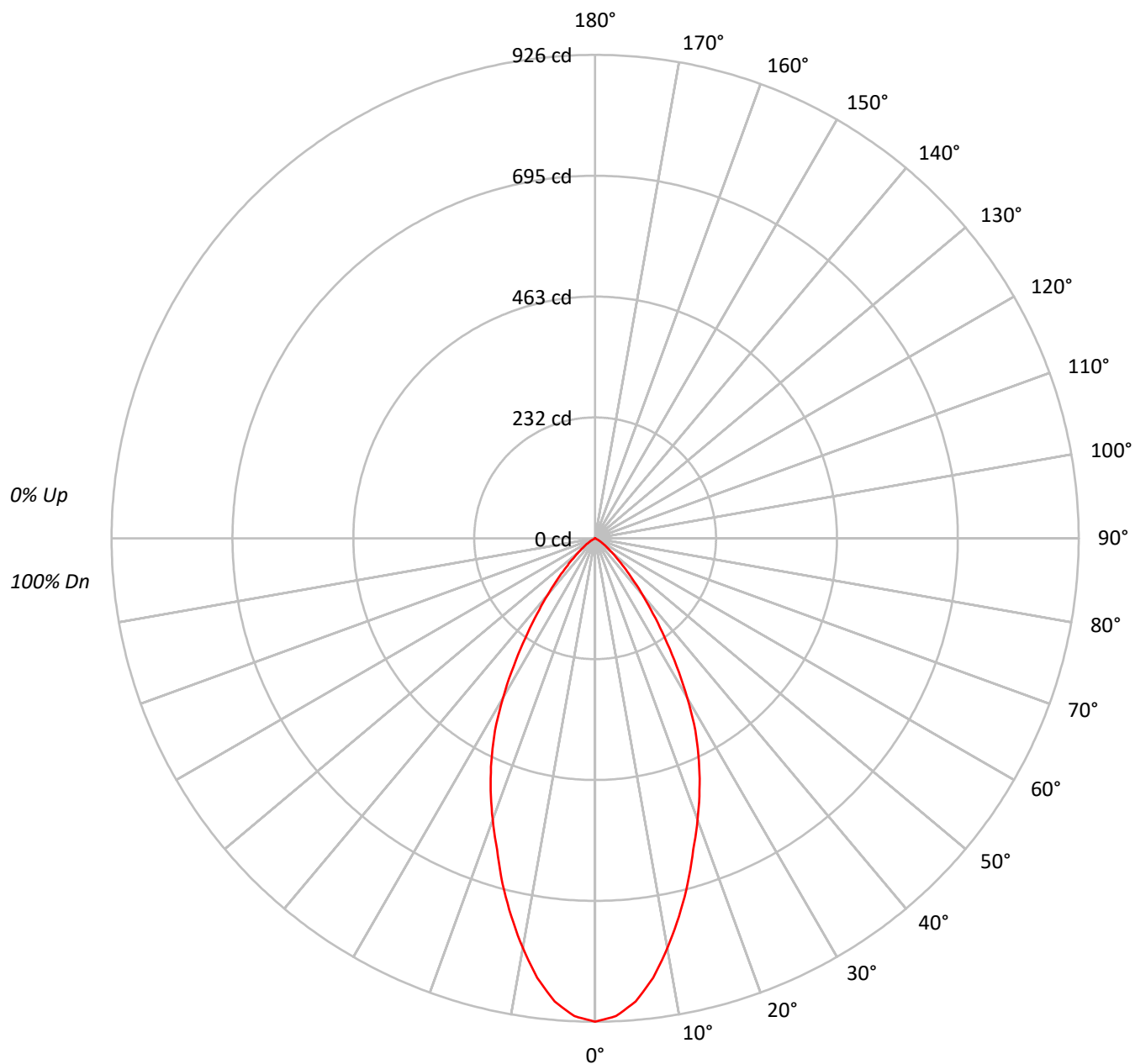
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDL*WH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDL*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°	358682
5°	346249
10°	313517
15°	274652
20°	236482
25°	201044
30°	158020
35°	109799
40°	71144
45°	42563
50°	24888
55°	13979
60°	5345
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	11.4
10°-20°	190.7	26.6
20°-30°	213.6	29.8
30°-40°	146.8	20.5
40°-50°	63.1	8.8
50°-60°	19.3	2.7
60°-70°	1.1	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°	486.3	67.9
0°-40°	633.1	88.4
0°-60°	715.4	99.9
0°-90°	716.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	926	
5°	890	82
15°	685	191
25°	470	214
35°	232	147
45°	78	63
55°	21	19
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL559030D010 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	926.0
2.5°	916.1
5°	890.5
7.5°	849.2
10°	797.1
12.5°	742.0
15°	684.9
17.5°	624.9
20°	573.7
22.5°	522.5
25°	470.4
27.5°	415.3
30°	353.3
32.5°	290.3
35°	232.2
37.5°	182.0
40°	140.7
42.5°	105.3
45°	77.7
47.5°	57.1
50°	41.3
52.5°	28.5
55°	20.7
57.5°	13.8
60°	6.9
62.5°	1.0
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)