

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: **LSR2B05WFL559050D010 2LBDC*MB**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05WFL559050D010 2LBDC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 621.0 lumens
Efficiency: N/A
Efficacy: 85.1 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

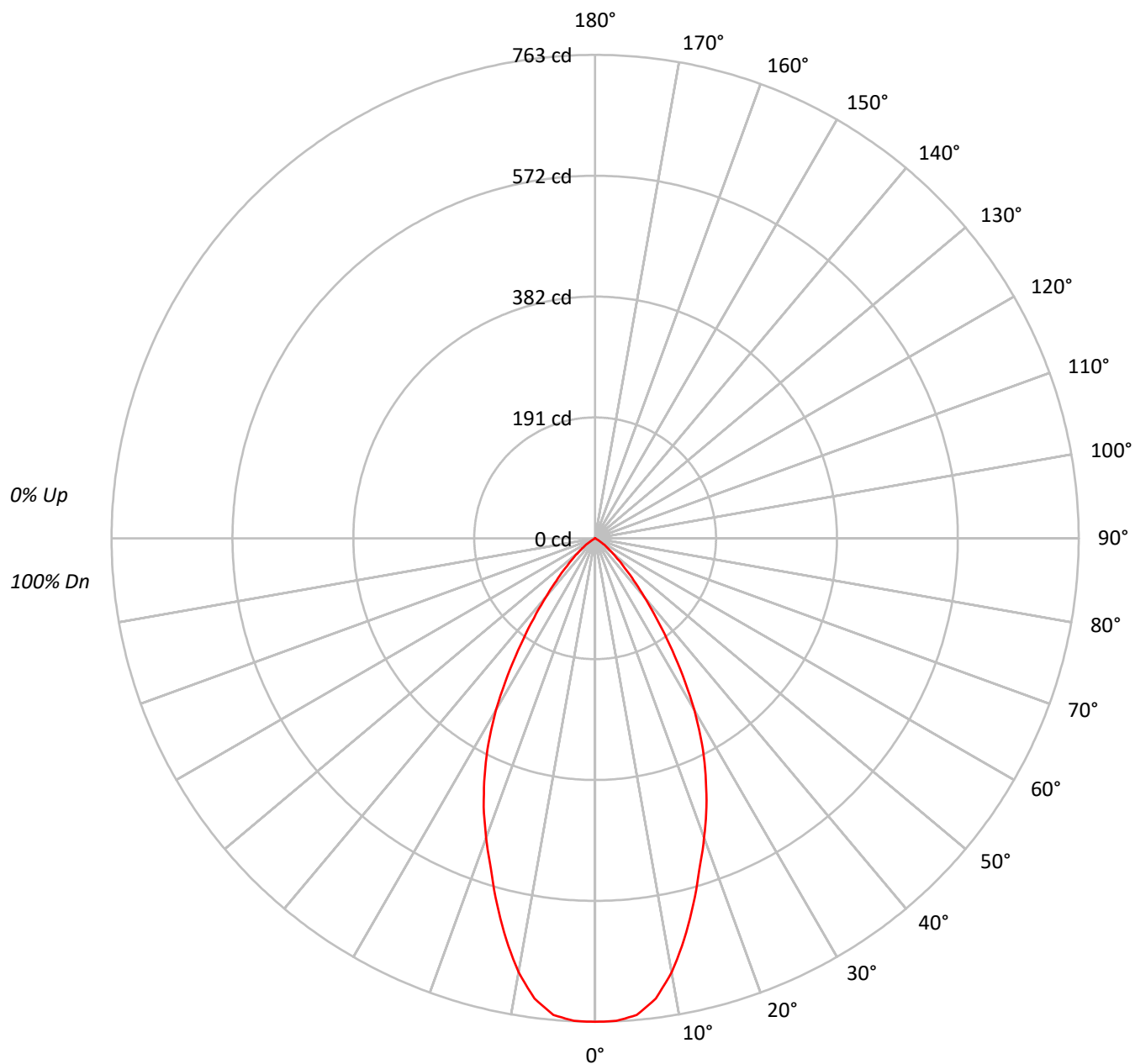
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDC*MB

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	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	63		70	66	62		69
8	79	69	63	59	78	69	63	59	67	62	59		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	71	62	56	52	70	61	56	52	60	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295622
5°	293719
10°	273555
15°	239884
20°	207215
25°	176255
30°	139816
35°	96464
40°	60576
45°	36154
50°	20910
55°	10535
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	11.3
10°-20°	166.7	26.9
20°-30°	187.7	30.2
30°-40°	128.9	20.8
40°-50°	53.6	8.6
50°-60°	13.8	2.2
60°-70°	0.1	0.0
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°	424.6	68.4
0°-40°	553.5	89.1
0°-60°	620.9	100.0
0°-90°	621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	763	
5°	755	70
15°	598	167
25°	412	188
35°	204	129
45°	66	54
55°	16	14
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	763.2
2.5°	762.4
5°	755.4
7.5°	732.8
10°	695.5
12.5°	648.6
15°	598.2
17.5°	547.0
20°	502.7
22.5°	459.3
25°	412.4
27.5°	364.7
30°	312.6
32.5°	257.0
35°	204.0
37.5°	158.9
40°	119.8
42.5°	90.3
45°	66.0
47.5°	47.8
50°	34.7
52.5°	24.3
55°	15.6
57.5°	5.2
60°	0.9
62.5°	0.0
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)