

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: **LSR2B10WFL558040D010 2LBDLC*MMS**

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 (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10WFL558040D010 2LBDLC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 916.6 lumens
Efficiency: N/A
Efficacy: 89.0 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

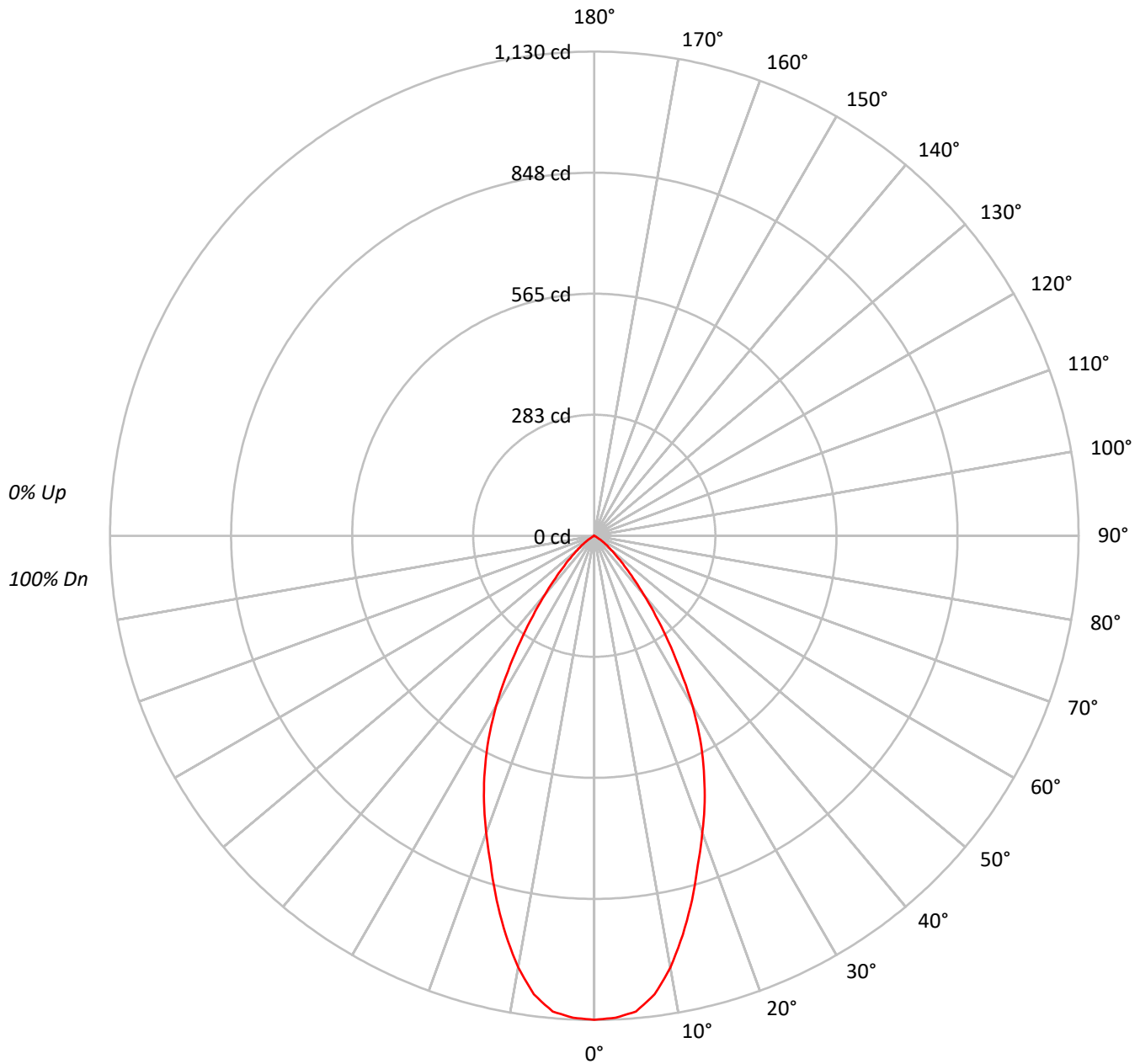
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558040D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558040D010 2LBDLC*MMS

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	91	87	100	94	90	86	92	88	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	77	72	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	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	62	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	437585
5°	433385
10°	402289
15°	353129
20°	303878
25°	258613
30°	204804
35°	142190
40°	90308
45°	54450
50°	31094
55°	17018
60°	1937
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558040D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	11.3
10°-20°	245.1	26.7
20°-30°	275.2	30.0
30°-40°	189.6	20.7
40°-50°	80.1	8.7
50°-60°	22.6	2.5
60°-70°	0.6	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°	623.7	68.0
0°-40°	813.3	88.7
0°-60°	916.0	99.9
0°-90°	916.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1130	
5°	1115	103
15°	881	245
25°	605	275
35°	301	190
45°	99	80
55°	25	23
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558040D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1129.7
2.5°	1125.9
5°	1114.6
7.5°	1079.4
10°	1022.8
12.5°	953.6
15°	880.6
17.5°	803.9
20°	737.2
22.5°	673.1
25°	605.1
27.5°	534.7
30°	457.9
32.5°	374.9
35°	300.7
37.5°	235.3
40°	178.6
42.5°	134.6
45°	99.4
47.5°	71.7
50°	51.6
52.5°	37.7
55°	25.2
57.5°	12.6
60°	2.5
62.5°	1.3
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)