

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: **LSSQ2B10WFL558040D010 2LBD*GPH**

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 (P14806)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B10WFL558040D010 2LBD*GPH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 995.3 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

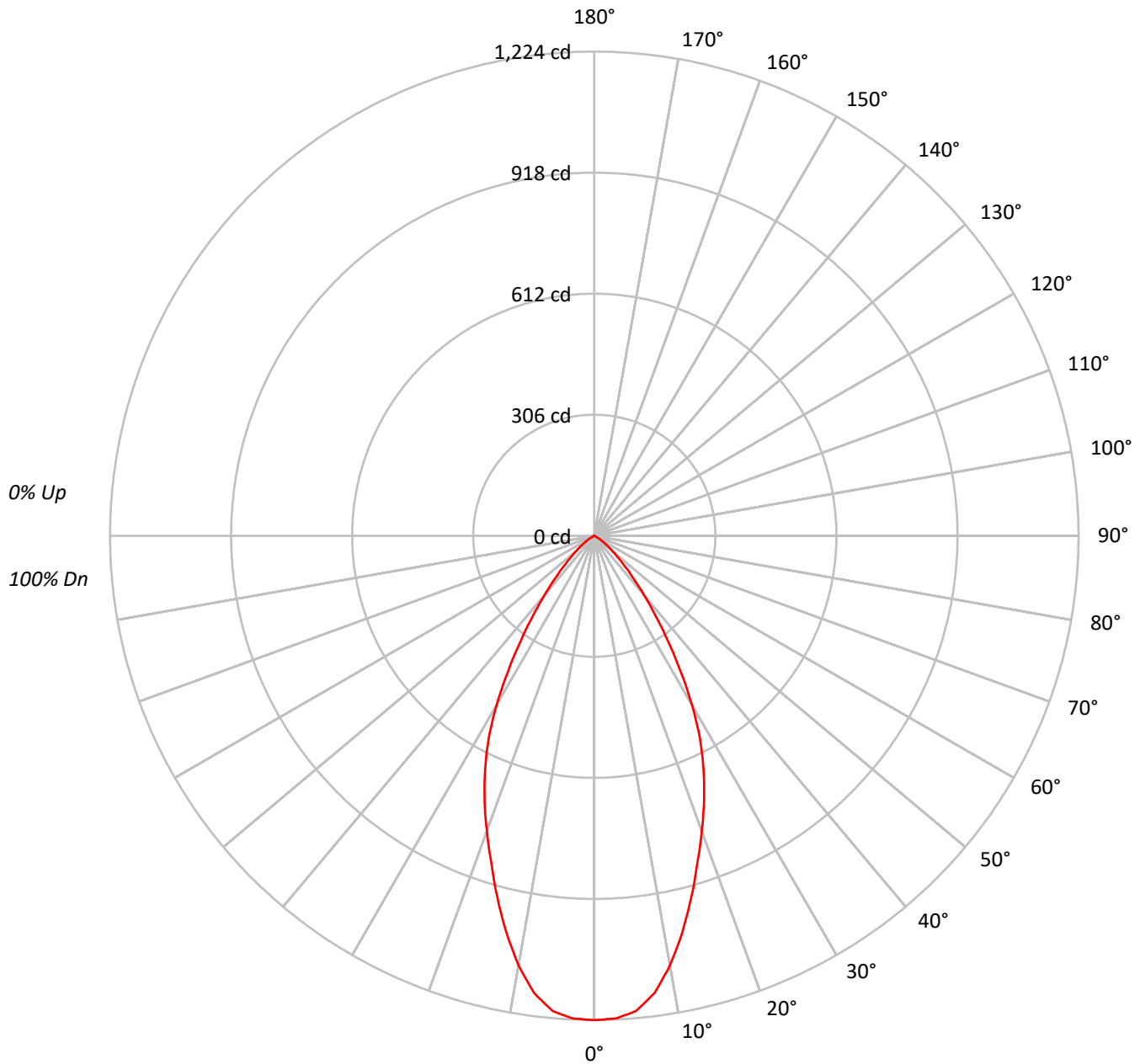
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL558040D010 2LBD*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL558040D010 2LBD*GPH

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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			86
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			80
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			74
5	92	83	77	73		90	82	77	72		80	75	72			79	74	71			69
6	87	78	72	67		85	77	71	67		75	70	67			74	70	66			64
7	83	73	67	63		81	72	67	62		71	66	62			70	65	62			60
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			56
9	75	65	59	55		74	64	59	55		63	58	54			62	58	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	474228
5°	469040
10°	433519
15°	379636
20°	327291
25°	279427
30°	221040
35°	152924
40°	98955
45°	60093
50°	35132
55°	19719
60°	7515
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL558040D010 2LBD*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	11.2
10°-20°	263.9	26.5
20°-30°	297.0	29.8
30°-40°	204.8	20.6
40°-50°	88.5	8.9
50°-60°	27.5	2.8
60°-70°	1.8	0.2
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°	672.7	67.6
0°-40°	877.5	88.2
0°-60°	993.4	99.8
0°-90°	995.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1224	
5°	1206	112
15°	947	264
25°	654	297
35°	323	205
45°	110	88
55°	29	27
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL558040D010 2LBD*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1224.3
2.5°	1221.5
5°	1206.3
7.5°	1166.0
10°	1102.2
12.5°	1027.2
15°	946.7
17.5°	866.2
20°	794.0
22.5°	724.6
25°	653.8
27.5°	578.8
30°	494.2
32.5°	405.3
35°	323.4
37.5°	254.0
40°	195.7
42.5°	147.1
45°	109.7
47.5°	80.5
50°	58.3
52.5°	41.6
55°	29.2
57.5°	19.4
60°	9.7
62.5°	2.8
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)