

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: **LSSQWM2B10WFL558040D010 2LBDL*H**

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 (P14807)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B10WFL558040D010 2LBDL*H
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 941.9 lumens
Efficiency: N/A
Efficacy: 91.4 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

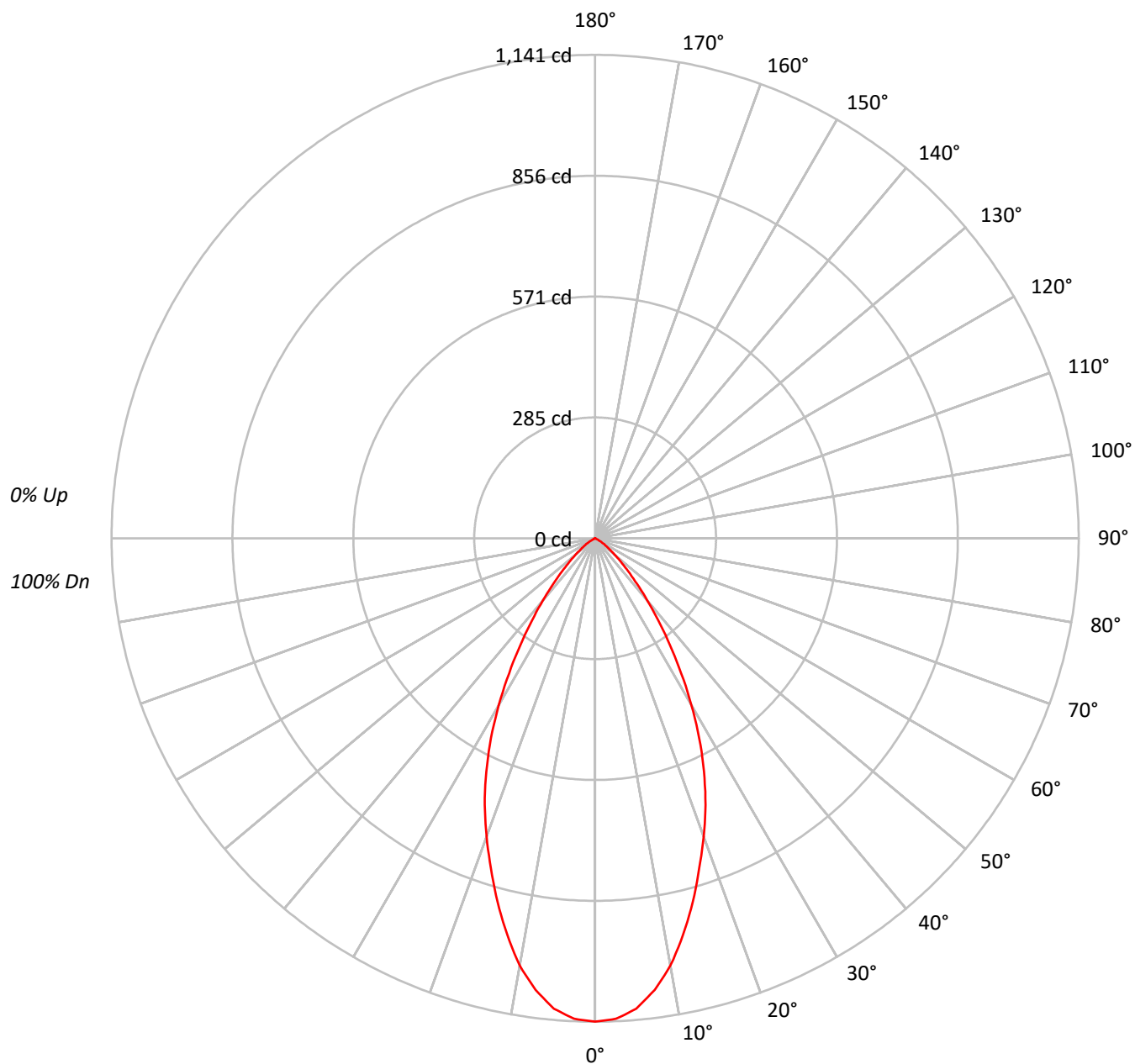
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558040D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558040D010 2LBDL*H

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	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		86
4	96	89	83	79	95	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	66	62	81	72	66	62	71	65	62		69	65	61		68
8	78	68	62	58	77	68	62	58	67	61	57		66	61	57		65
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	441884
5°	433307
10°	402761
15°	356618
20°	308700
25°	259511
30°	203239
35°	145216
40°	96932
45°	60147
50°	35975
55°	21610
60°	9684
65°	1283
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558040D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	11.0
10°-20°	247.7	26.3
20°-30°	276.2	29.3
30°-40°	193.5	20.5
40°-50°	88.3	9.4
50°-60°	29.5	3.1
60°-70°	3.2	0.3
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°	627.3	66.6
0°-40°	820.8	87.1
0°-60°	938.7	99.7
0°-90°	941.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1141	
5°	1114	103
15°	889	248
25°	607	276
35°	307	193
45°	110	88
55°	32	30
65°	1	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B10WFL558040D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1140.8
2.5°	1135.2
5°	1114.4
7.5°	1075.5
10°	1024.0
12.5°	958.7
15°	889.3
17.5°	817.0
20°	748.9
22.5°	680.8
25°	607.2
27.5°	532.2
30°	454.4
32.5°	377.9
35°	307.1
37.5°	244.5
40°	191.7
42.5°	145.9
45°	109.8
47.5°	82.0
50°	59.7
52.5°	43.1
55°	32.0
57.5°	22.2
60°	12.5
62.5°	4.2
65°	1.4
67.5°	1.4
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)