

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: P224665

Luminaire Tested: **LSSQ2B10FL409730D010 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B10FL409730D010 2LBDLC*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.1 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

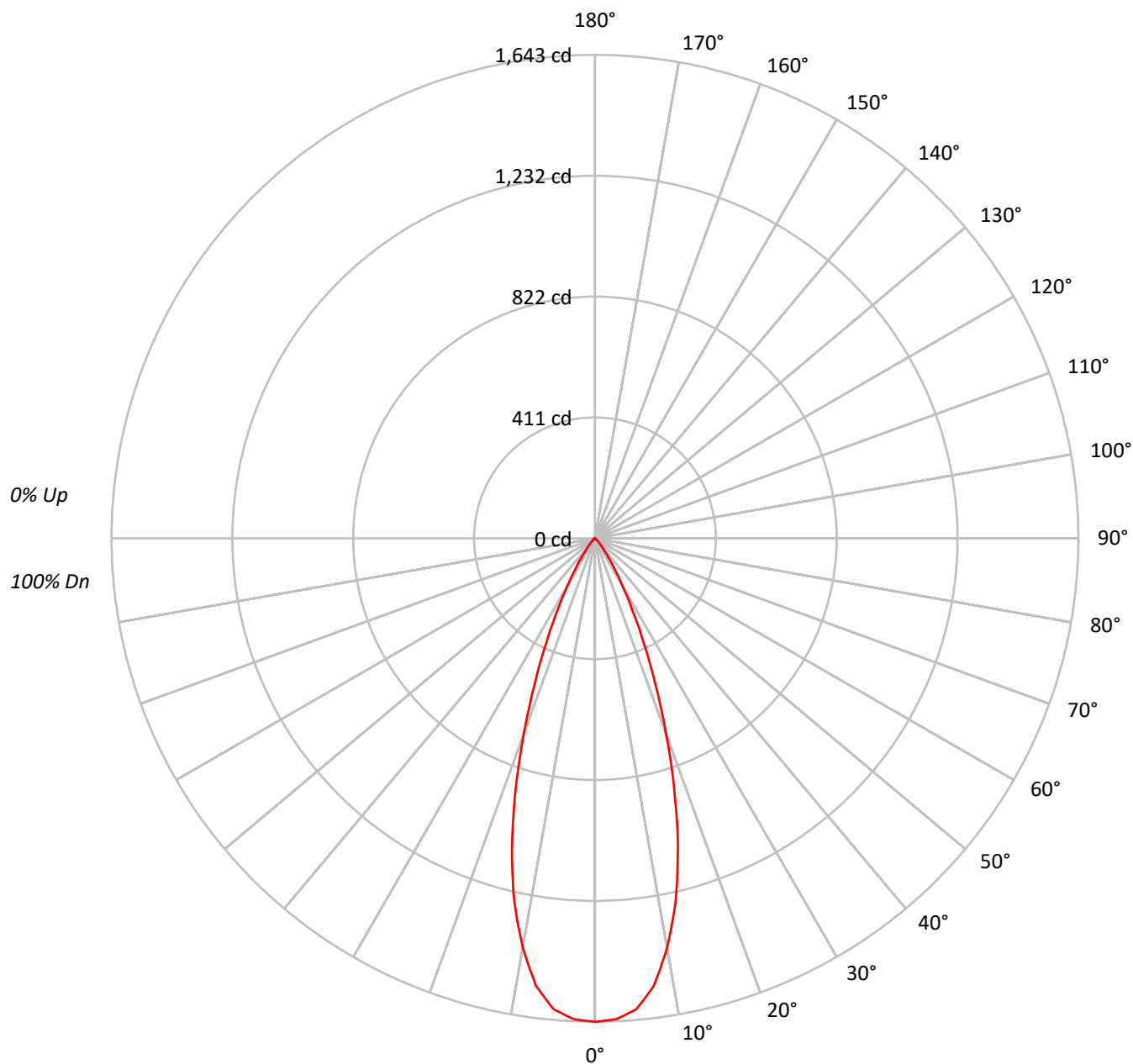
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224665

CATALOG NUMBER: LSSQ2B10FL409730D010 2LBDLC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P224665

CATALOG NUMBER: LSSQ2B10FL409730D010 2LB DLC* MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99		108	104	101	98		101	98	96		98	96	94		95	94	92
3	105	100	96	93		104	99	95	92		96	93	90		94	91	89		92	90	88
4	101	95	90	87		100	94	90	86		92	88	85		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		86	83	80		85	82	80
6	94	87	82	78		93	86	81	78		84	80	77		83	80	77		82	79	76
7	90	83	78	74		89	82	77	74		81	77	74		80	76	73		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	636526
5°	624920
10°	555527
15°	436900
20°	290728
25°	166895
30°	84310
35°	39673
40°	15978
45°	7888
50°	4339
55°	3039
60°	2789
65°	1650
70°	2039
75°	1347
80°	2008
85°	0



TEST NUMBER: P224665

CATALOG NUMBER: LSSQ2B10FL409730D010 2LBDLC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	20.9
10°-20°	295.1	42.0
20°-30°	183.6	26.1
30°-40°	56.5	8.0
40°-50°	12.4	1.8
50°-60°	4.4	0.6
60°-70°	2.2	0.3
70°-80°	1.3	0.2
80°-90°	0.4	0.1
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°	625.9	89.0
0°-40°	682.4	97.1
0°-60°	699.2	99.4
0°-90°	703.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1643	
5°	1607	147
15°	1090	295
25°	390	184
35°	84	56
45°	14	12
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P224665

CATALOG NUMBER: LSSQ2B10FL409730D010 2LBDLC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1643.3
2.5°	1636.1
5°	1607.2
7.5°	1534.2
10°	1412.4
12.5°	1266.3
15°	1089.5
17.5°	896.5
20°	705.3
22.5°	534.8
25°	390.5
27.5°	275.1
30°	188.5
32.5°	127.2
35°	83.9
37.5°	50.5
40°	31.6
42.5°	21.6
45°	14.4
47.5°	9.9
50°	7.2
52.5°	6.3
55°	4.5
57.5°	3.6
60°	3.6
62.5°	2.7
65°	1.8
67.5°	1.8
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)