

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: P224862

Luminaire Tested: **LSSQ2B10FL408040D010 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14834)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B10FL408040D010 2LBD*B
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1060.7 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

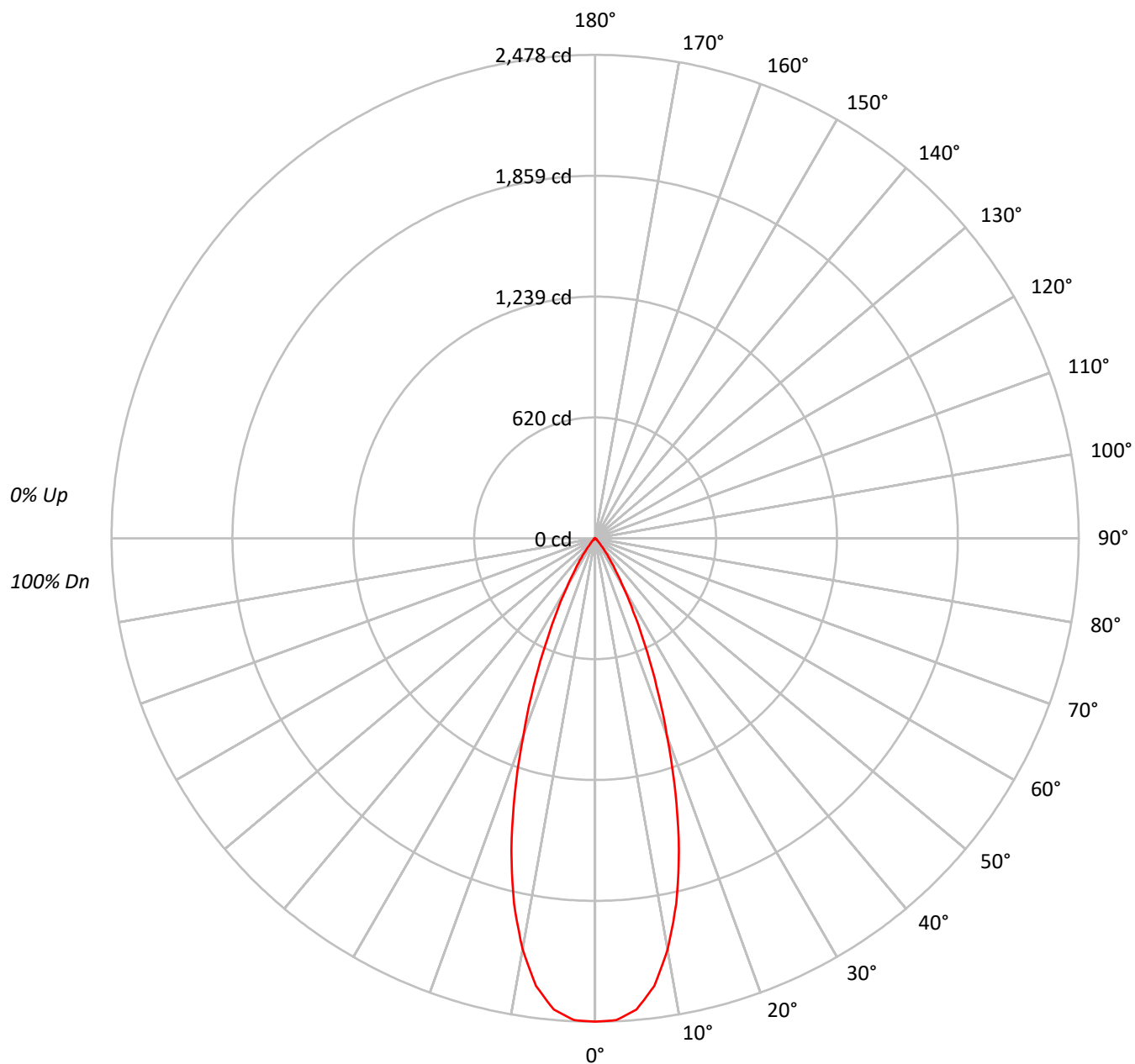
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224862

CATALOG NUMBER: LSSQ2B10FL408040D010 2LBD*B

Luminous Intensity Polar Plot





TEST NUMBER: P224862

CATALOG NUMBER: LSSQ2B10FL408040D010 2LBD*B

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	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	110	106	103	100		108	104	101	99		101	99	96			98	96	94			95
3	106	100	96	93		104	99	95	92		97	93	91			94	92	89			92
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			89
5	98	91	86	83		96	90	86	82		88	85	82			87	84	81			85
6	94	87	82	79		93	86	82	78		85	81	78			84	80	77			82
7	91	83	78	75		90	83	78	75		81	77	74			80	77	74			79
8	87	80	75	72		86	79	75	71		78	74	71			77	74	71			76
9	84	77	72	69		83	76	72	68		75	71	68			74	71	68			74
10	82	74	69	66		81	73	69	66		73	68	65			72	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	959727
5°	943019
10°	841275
15°	664955
20°	443368
25°	257245
30°	128724
35°	60574
40°	23664
45°	10572
50°	5002
55°	2769
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224862

CATALOG NUMBER: LSSQ2B10FL408040D010 2LBD*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	21.0
10°-20°	448.8	42.3
20°-30°	282.3	26.6
30°-40°	86.3	8.1
40°-50°	16.9	1.6
50°-60°	3.8	0.4
60°-70°	0.2	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°	953.5	89.9
0°-40°	1039.8	98.0
0°-60°	1060.6	100.0
0°-90°	1060.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2478	
5°	2425	222
15°	1658	449
25°	602	282
35°	128	86
45°	19	17
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224862

CATALOG NUMBER: LSSQ2B10FL408040D010 2LBD*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	2477.7
2.5°	2472.2
5°	2425.3
7.5°	2315.2
10°	2138.9
12.5°	1918.5
15°	1658.2
17.5°	1369.0
20°	1075.6
22.5°	825.0
25°	601.9
27.5°	424.2
30°	287.8
32.5°	194.2
35°	128.1
37.5°	78.5
40°	46.8
42.5°	30.3
45°	19.3
47.5°	12.4
50°	8.3
52.5°	5.5
55°	4.1
57.5°	2.8
60°	1.4
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)