

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: P225373

Luminaire Tested: **LSSQ2B05FL408035D010 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225373
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: LSSQ2B05FL408035D010 2LBDC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 770.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

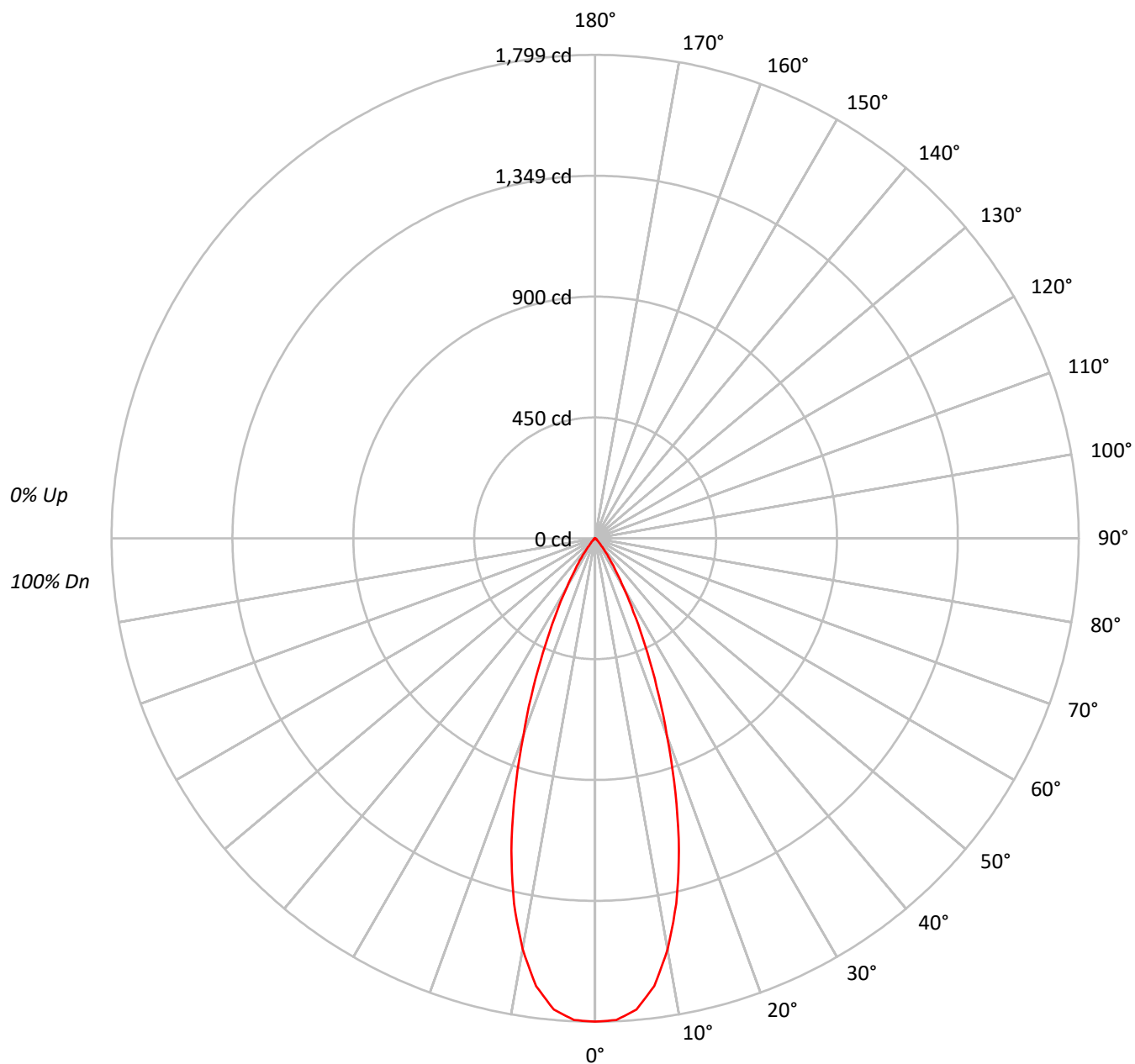
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225373

CATALOG NUMBER: LSSQ2B05FL408035D010 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P225373

CATALOG NUMBER: LSSQ2B05FL408035D010 2LBDC*MB

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°	696680
5°	684566
10°	610710
15°	482736
20°	321850
25°	186726
30°	93479
35°	43976
40°	17192
45°	7669
50°	3616
55°	2026
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225373

CATALOG NUMBER: LSSQ2B05FL408035D010 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	21.0
10°-20°	325.8	42.3
20°-30°	205.0	26.6
30°-40°	62.7	8.1
40°-50°	12.3	1.6
50°-60°	2.8	0.4
60°-70°	0.1	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°	692.2	89.9
0°-40°	754.8	98.0
0°-60°	769.9	100.0
0°-90°	770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1799	
5°	1761	161
15°	1204	326
25°	437	205
35°	93	63
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225373

CATALOG NUMBER: LSSQ2B05FL408035D010 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1798.6
2.5°	1794.6
5°	1760.6
7.5°	1680.7
10°	1552.7
12.5°	1392.7
15°	1203.8
17.5°	993.8
20°	780.8
22.5°	598.9
25°	436.9
27.5°	307.9
30°	209.0
32.5°	141.0
35°	93.0
37.5°	57.0
40°	34.0
42.5°	22.0
45°	14.0
47.5°	9.0
50°	6.0
52.5°	4.0
55°	3.0
57.5°	2.0
60°	1.0
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)