

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: P224807

Luminaire Tested: **LSR2B05FL408040D010 2LBDL*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224807
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: LSR2B05FL408040D010 2LBDL*B
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 746.0 lumens
Efficiency: N/A
Efficacy: 102.2 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

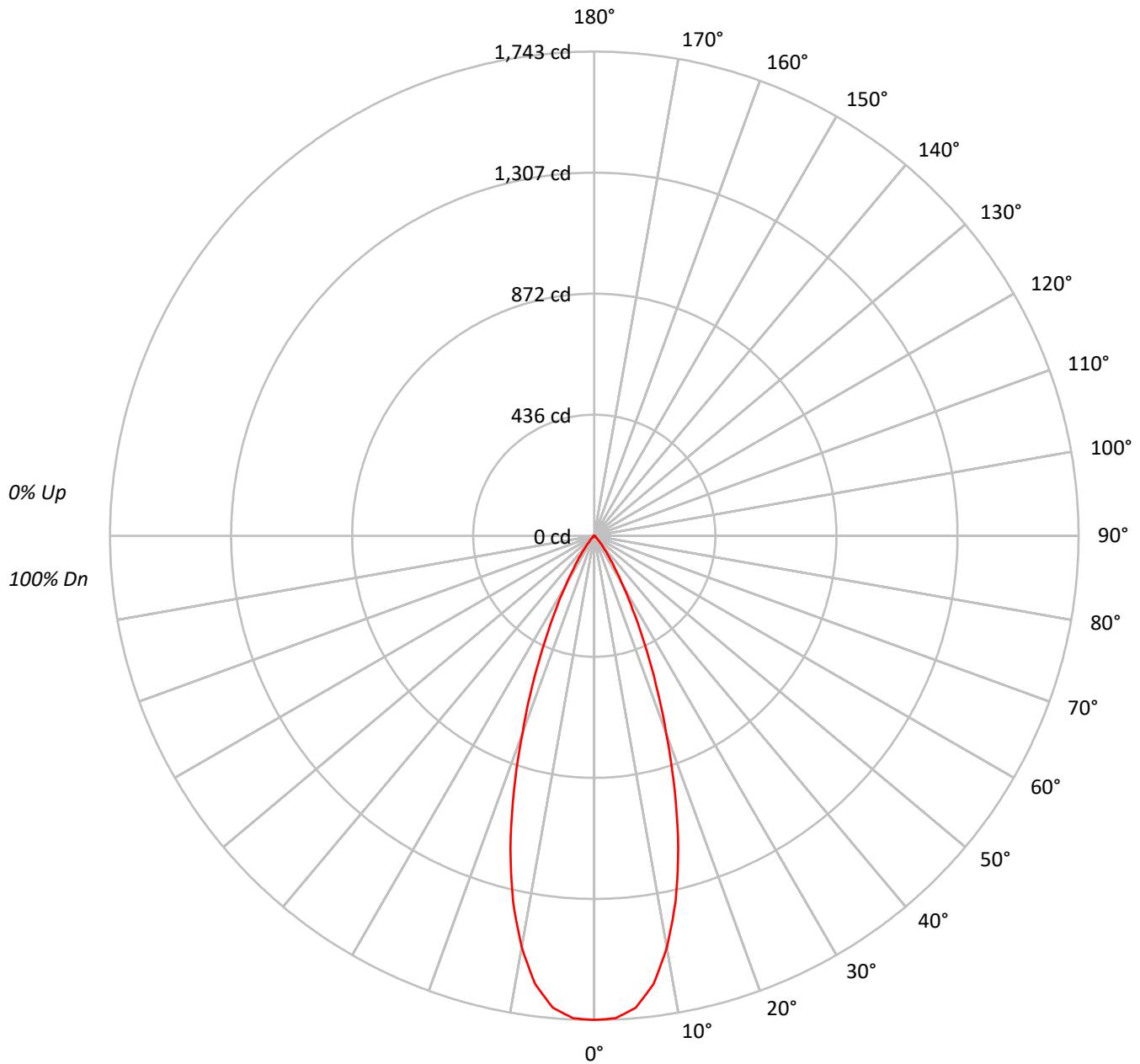
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224807

CATALOG NUMBER: LSR2B05FL408040D010 2LBDL*B

Luminous Intensity Polar Plot





TEST NUMBER: P224807

CATALOG NUMBER: LSR2B05FL408040D010 2LBDL*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			96
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°	674989
5°	663259
10°	591673
15°	467658
20°	311833
25°	180914
30°	90527
35°	42605
40°	16636
45°	7450
50°	3495
55°	1958
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224807

CATALOG NUMBER: LSR2B05FL408040D010 2LBDL*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	21.0
10°-20°	315.7	42.3
20°-30°	198.6	26.6
30°-40°	60.7	8.1
40°-50°	11.9	1.6
50°-60°	2.7	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°	670.6	89.9
0°-40°	731.3	98.0
0°-60°	745.9	100.0
0°-90°	746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1743	
5°	1706	156
15°	1166	316
25°	423	199
35°	90	61
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224807

CATALOG NUMBER: LSR2B05FL408040D010 2LBDL*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1742.6
2.5°	1738.7
5°	1705.8
7.5°	1628.3
10°	1504.3
12.5°	1349.3
15°	1166.2
17.5°	962.8
20°	756.5
22.5°	580.2
25°	423.3
27.5°	298.3
30°	202.4
32.5°	136.6
35°	90.1
37.5°	55.2
40°	32.9
42.5°	21.3
45°	13.6
47.5°	8.7
50°	5.8
52.5°	3.9
55°	2.9
57.5°	1.9
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)