

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: P224555

Luminaire Tested: **LSR2B05FL408027D010 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05FL408027D010 2LBDL*GPH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

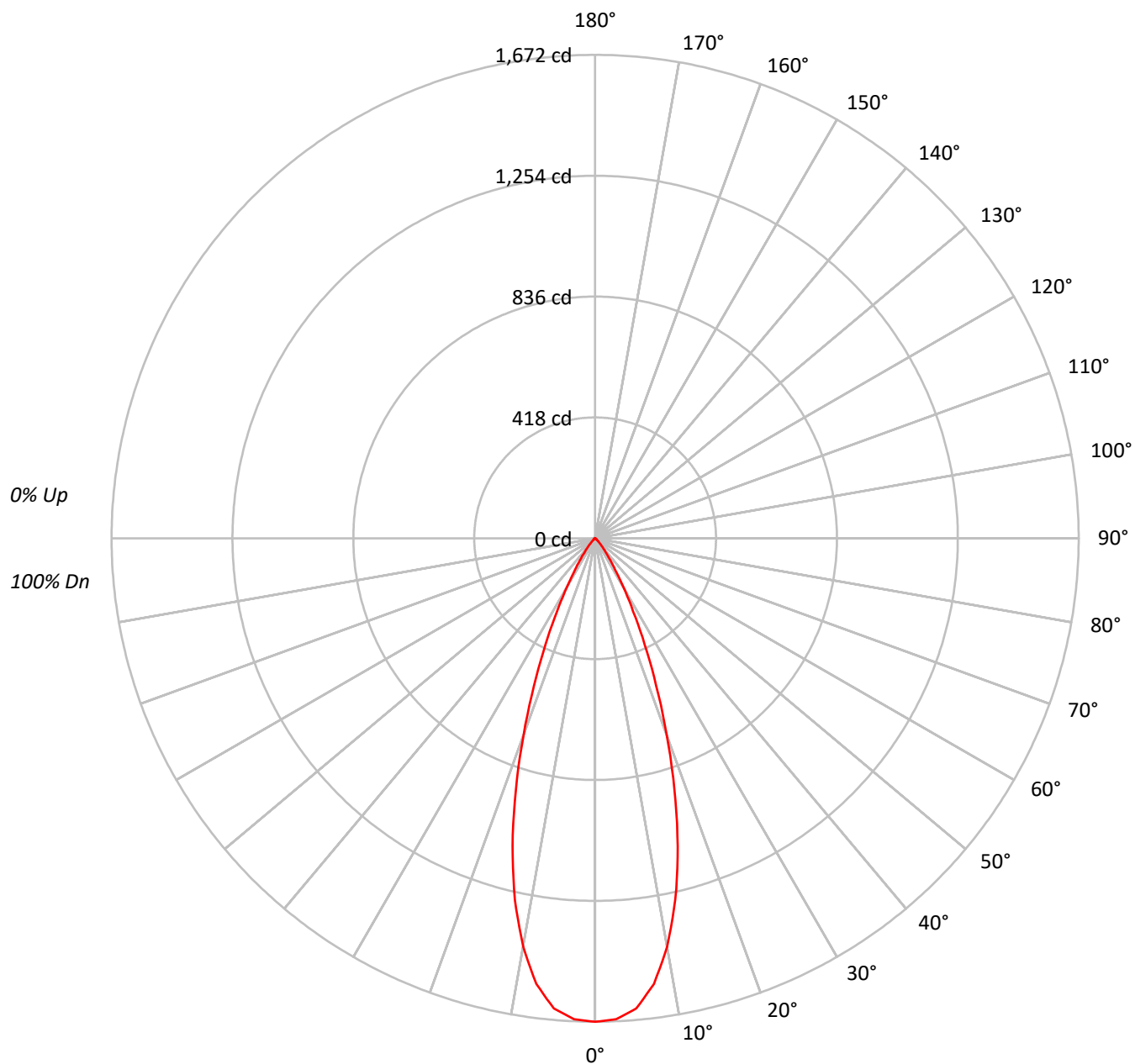
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224555

CATALOG NUMBER: LSR2B05FL408027D010 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P224555

CATALOG NUMBER: LSR2B05FL408027D010 2LBDL*GPH

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	102	100	108	104	101	98	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	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	85	82	88	84	81		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	80	75	71	86	79	74	71	78	74	71		77	73	71		76
9	84	76	72	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	69	65	80	73	68	65	72	68	65		72	68	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	647720
5°	634602
10°	563905
15°	442434
20°	297571
25°	173135
30°	86725
35°	40477
40°	18861
45°	7998
50°	3857
55°	2431
60°	1394
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224555

CATALOG NUMBER: LSR2B05FL408027D010 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	20.9
10°-20°	299.5	41.9
20°-30°	189.4	26.5
30°-40°	58.9	8.2
40°-50°	13.1	1.8
50°-60°	3.3	0.5
60°-70°	0.4	0.1
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°	638.2	89.4
0°-40°	697.1	97.6
0°-60°	713.6	99.9
0°-90°	714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1672	
5°	1632	149
15°	1103	299
25°	405	189
35°	86	59
45°	15	13
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224555

CATALOG NUMBER: LSR2B05FL408027D010 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1672.2
2.5°	1664.9
5°	1632.1
7.5°	1554.8
10°	1433.7
12.5°	1280.8
15°	1103.3
17.5°	911.2
20°	721.9
22.5°	551.6
25°	405.1
27.5°	284.0
30°	193.9
32.5°	128.3
35°	85.6
37.5°	57.3
40°	37.3
42.5°	22.8
45°	14.6
47.5°	10.0
50°	6.4
52.5°	4.6
55°	3.6
57.5°	2.7
60°	1.8
62.5°	0.9
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)