

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: P224962

Luminaire Tested: **LSSQ2B05FL409040D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05FL409040D010 2LBDL*LI
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

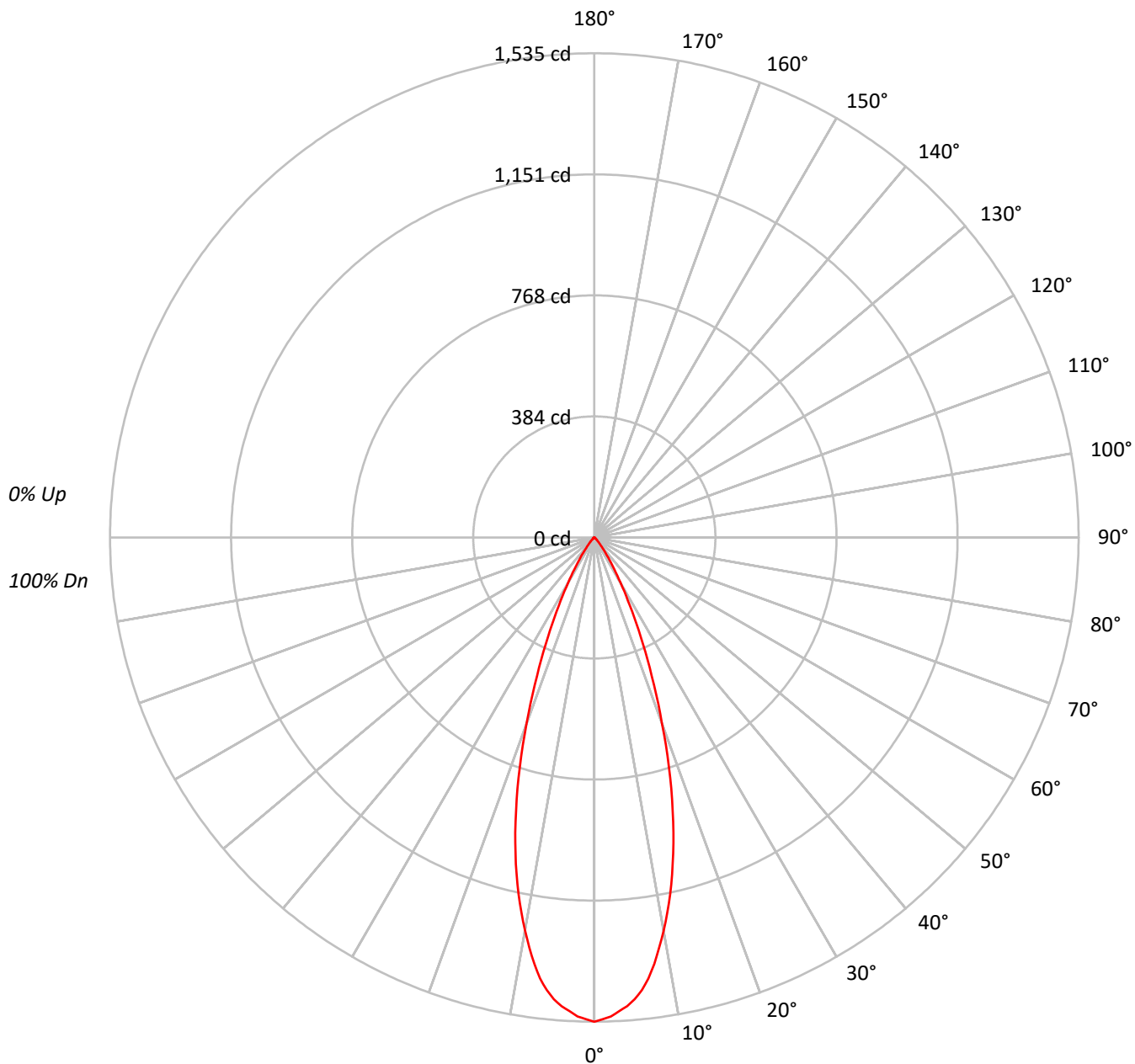
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224962

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBDL*LI

Luminous Intensity Polar Plot





TEST NUMBER: P224962

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBDL*LI

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	105	103			102	101	100			99
2	110	106	103	100	108	104	101	99		101	99	97			98	96	95			96
3	106	101	96	93	104	99	95	92		97	94	91			94	92	90			92
4	102	96	91	88	100	95	90	87		93	89	86			91	88	85			89
5	98	91	86	83	97	90	86	83		89	85	82			87	84	81			86
6	94	87	82	79	93	86	82	79		85	81	78			84	80	78			83
7	91	83	79	75	90	83	78	75		82	78	75			81	77	74			80
8	88	80	75	72	87	80	75	72		79	74	71			78	74	71			77
9	85	77	72	69	84	76	72	69		76	71	69			75	71	68			74
10	82	74	69	66	81	74	69	66		73	69	66			72	68	66			72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	594731
5°	571535
10°	497512
15°	388499
20°	258370
25°	147962
30°	73531
35°	33810
40°	13551
45°	6190
50°	2892
55°	1621
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224962

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBDL*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	21.6
10°-20°	262.7	42.4
20°-30°	162.6	26.2
30°-40°	48.6	7.8
40°-50°	9.7	1.6
50°-60°	2.4	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°	559.1	90.2
0°-40°	607.7	98.0
0°-60°	619.9	100.0
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1535	
5°	1470	134
15°	969	263
25°	346	163
35°	72	49
45°	11	10
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224962

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBDL*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1535.4
1°	1527.1
2°	1519.3
3°	1503.8
4°	1489.5
5°	1469.9
6°	1443.1
7°	1409.1
8°	1365.6
9°	1316.2
10°	1264.9
11°	1211.9
12°	1155.3
13°	1096.3
14°	1033.1
15°	968.8
17.5°	799.0
20°	626.8
22.5°	474.3
25°	346.2
27.5°	243.1
30°	164.4
32.5°	108.4
35°	71.5
37.5°	44.7
40°	26.8
42.5°	17.3
45°	11.3
47.5°	7.1
50°	4.8
52.5°	3.6
55°	2.4
57.5°	1.8
60°	1.2
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



TEST NUMBER: P224962

CATALOG NUMBER: LSSQ2B05FL409040D010 2LBDL*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)