

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: P#

Luminaire Tested: **LSSQ2B05FL408040D010 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05FL408040D010 2LBD*LI
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 812.0 lumens
Efficiency: N/A
Efficacy: 111.2 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

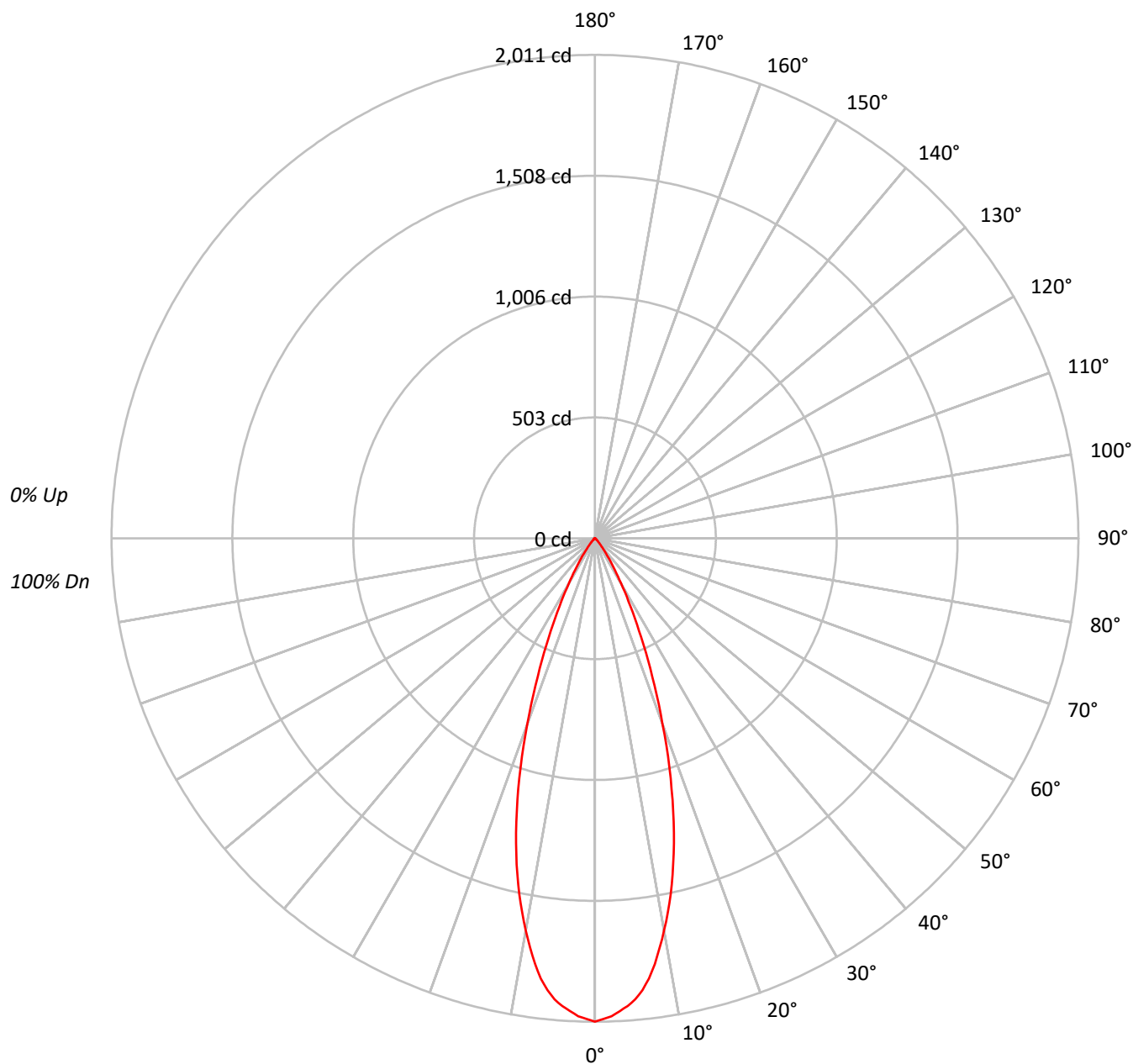
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05FL408040D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05FL408040D010 2LBD*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°	778914
5°	748528
10°	651576
15°	508802
20°	338379
25°	193778
30°	96342
35°	44260
40°	17748
45°	8107
50°	3736
55°	2093
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05FL408040D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	21.6
10°-20°	344.1	42.4
20°-30°	212.9	26.2
30°-40°	63.7	7.8
40°-50°	12.8	1.6
50°-60°	3.1	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°	732.2	90.2
0°-40°	795.9	98.0
0°-60°	811.8	100.0
0°-90°	812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	812.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2011	
5°	1925	175
15°	1269	344
25°	453	213
35°	94	64
45°	15	13
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B05FL408040D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2010.9
1°	2000.0
2°	1989.8
3°	1969.6
4°	1950.8
5°	1925.1
6°	1890.0
7°	1845.5
8°	1788.5
9°	1723.7
10°	1656.6
11°	1587.2
12°	1513.1
13°	1435.8
14°	1353.1
15°	1268.8
17.5°	1046.4
20°	820.9
22.5°	621.1
25°	453.4
27.5°	318.4
30°	215.4
32.5°	142.0
35°	93.6
37.5°	58.5
40°	35.1
42.5°	22.6
45°	14.8
47.5°	9.4
50°	6.2
52.5°	4.7
55°	3.1
57.5°	2.3
60°	1.6
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: P#

CATALOG NUMBER: LSSQ2B05FL408040D010 2LBD*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)