

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: P225122

Luminaire Tested: **LSSQ2B05FL409030D010 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225122
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: LSSQ2B05FL409030D010 2LBD*GPH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 85.6 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

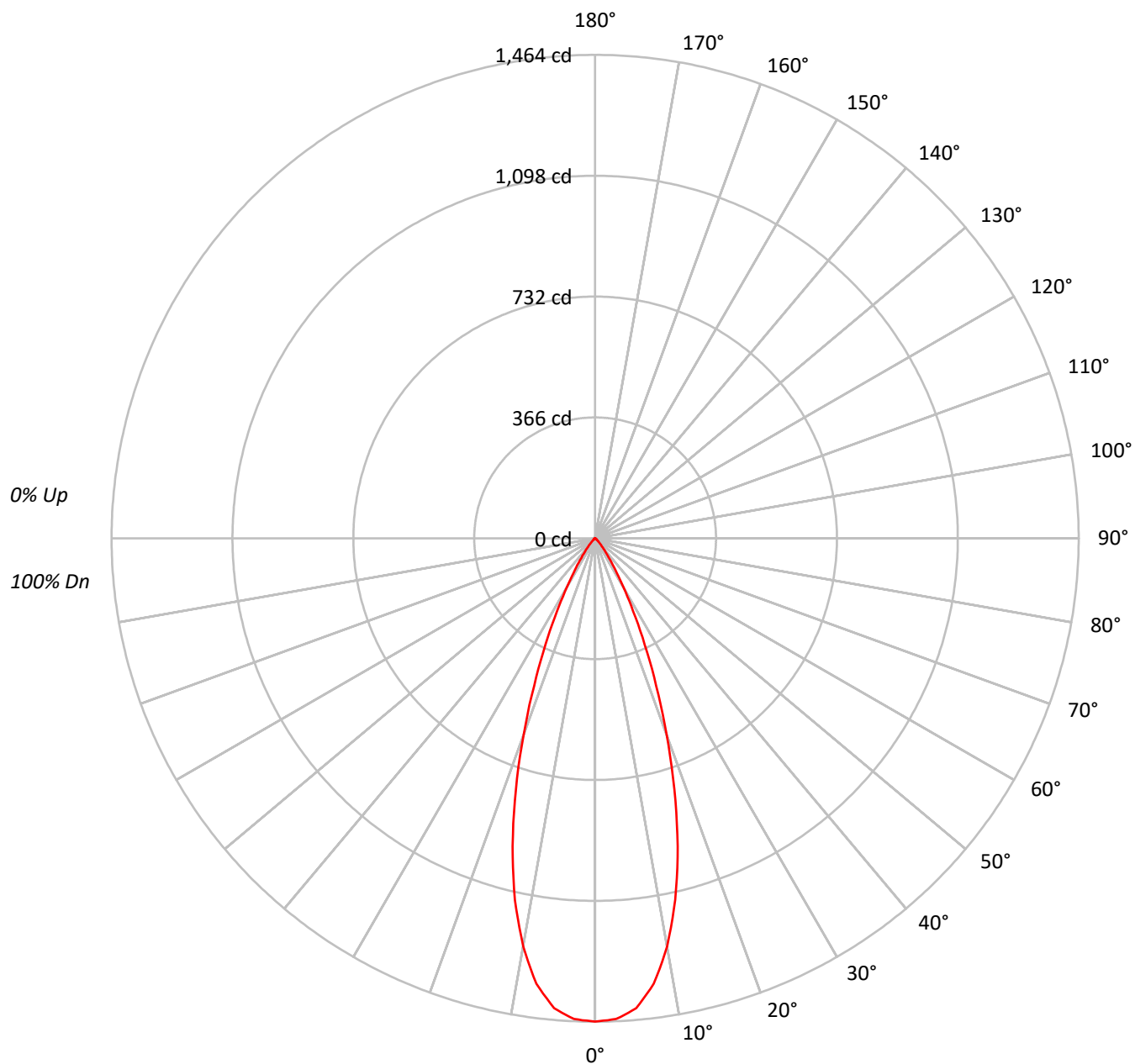
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225122

CATALOG NUMBER: LSSQ2B05FL409030D010 2LBD*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P225122

CATALOG NUMBER: LSSQ2B05FL409030D010 2LBD*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			0
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°	566958
5°	555515
10°	493618
15°	387255
20°	260472
25°	151552
30°	75901
35°	35417
40°	16535
45°	6957
50°	3375
55°	2161
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225122

CATALOG NUMBER: LSSQ2B05FL409030D010 2LBD*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	20.9
10°-20°	262.1	41.9
20°-30°	165.8	26.5
30°-40°	51.6	8.3
40°-50°	11.5	1.8
50°-60°	2.9	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°	558.7	89.4
0°-40°	610.3	97.6
0°-60°	624.6	99.9
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1464	
5°	1429	131
15°	966	262
25°	355	166
35°	75	52
45°	13	11
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225122

CATALOG NUMBER: LSSQ2B05FL409030D010 2LBD*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1463.7
2.5°	1457.4
5°	1428.7
7.5°	1361.0
10°	1255.0
12.5°	1121.1
15°	965.7
17.5°	797.6
20°	631.9
22.5°	482.9
25°	354.6
27.5°	248.6
30°	169.7
32.5°	112.4
35°	74.9
37.5°	50.2
40°	32.7
42.5°	19.9
45°	12.7
47.5°	8.8
50°	5.6
52.5°	4.0
55°	3.2
57.5°	2.4
60°	1.6
62.5°	0.8
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)