

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: P224542

Luminaire Tested: **LSSQ2B05FL409727D010 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224542
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: LSSQ2B05FL409727D010 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: 506.0 lumens
Efficiency: N/A
Efficacy: 69.3 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

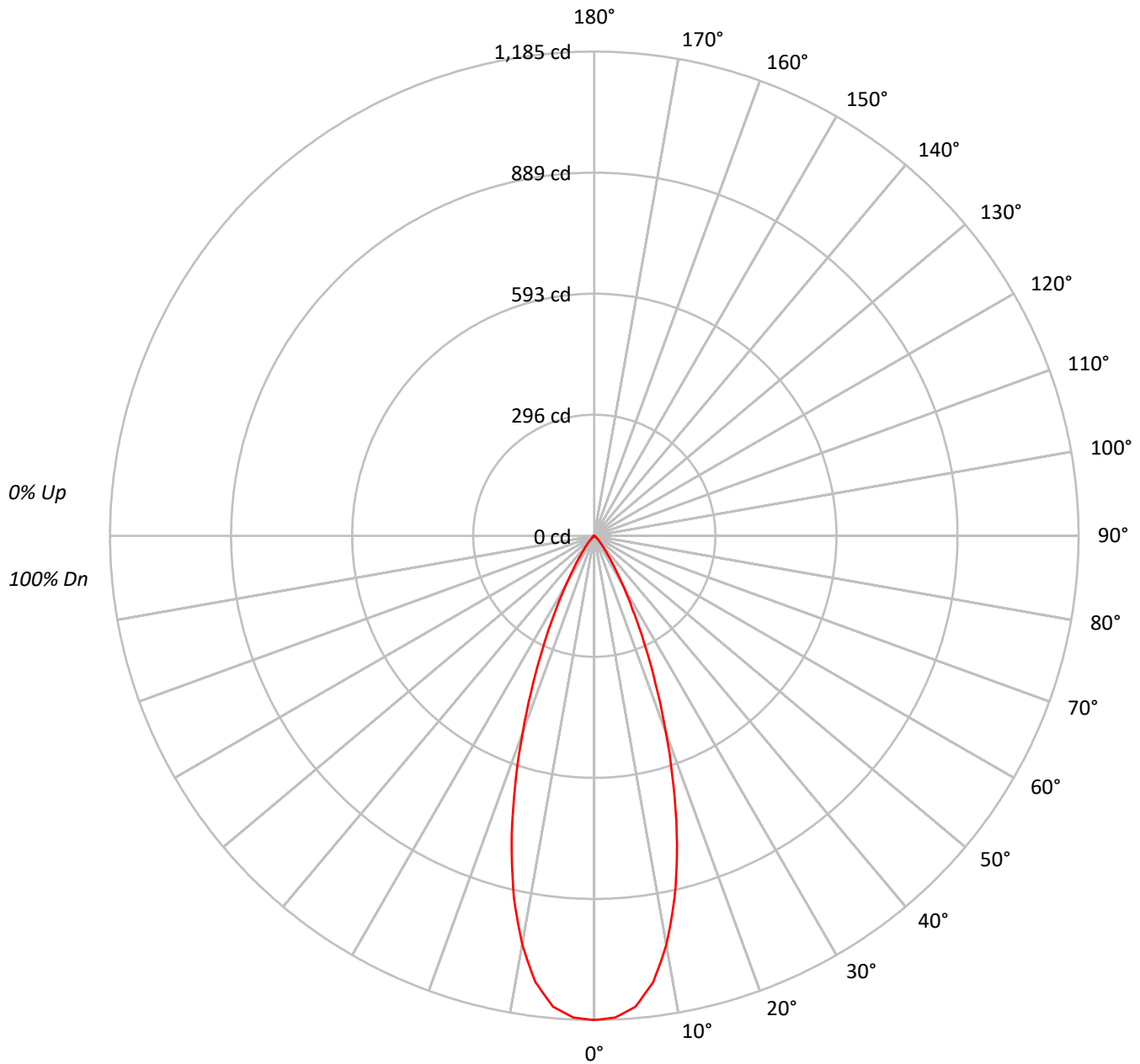
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224542

CATALOG NUMBER: LSSQ2B05FL409727D010 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P224542

CATALOG NUMBER: LSSQ2B05FL409727D010 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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	100		108	104	101	99		101	99	96			98	96	94			91
3	106	100	96	93		104	99	95	92		96	93	91			94	92	89			87
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			83
5	98	91	86	83		96	90	86	82		88	84	81			87	83	81			79
6	94	87	82	78		93	86	81	78		85	81	78			83	80	77			75
7	91	83	78	75		89	82	78	74		81	77	74			80	76	74			72
8	87	80	75	71		86	79	74	71		78	74	71			77	73	71			69
9	84	76	72	68		83	76	71	68		75	71	68			74	70	68			66
10	81	73	69	65		80	73	68	65		72	68	65			72	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	459005
5°	449755
10°	399615
15°	313550
20°	210884
25°	122703
30°	61455
35°	28655
40°	13349
45°	5642
50°	2712
55°	1756
60°	1007
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224542

CATALOG NUMBER: LSSQ2B05FL409727D010 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	20.9
10°-20°	212.2	41.9
20°-30°	134.2	26.5
30°-40°	41.7	8.2
40°-50°	9.3	1.8
50°-60°	2.4	0.5
60°-70°	0.3	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°	452.3	89.4
0°-40°	494.0	97.6
0°-60°	505.7	99.9
0°-90°	506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	506.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1185	
5°	1157	106
15°	782	212
25°	287	134
35°	61	42
45°	10	9
55°	3	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224542

CATALOG NUMBER: LSSQ2B05FL409727D010 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1185.0
2.5°	1179.9
5°	1156.7
7.5°	1101.8
10°	1016.0
12.5°	907.7
15°	781.9
17.5°	645.7
20°	511.6
22.5°	390.9
25°	287.1
27.5°	201.3
30°	137.4
32.5°	91.0
35°	60.6
37.5°	40.6
40°	26.4
42.5°	16.1
45°	10.3
47.5°	7.1
50°	4.5
52.5°	3.2
55°	2.6
57.5°	1.9
60°	1.3
62.5°	0.6
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)