

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: P225278

Luminaire Tested: **LSSQ2B05FL408027D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05FL408027D010 2LBDC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 756.0 lumens
Efficiency: N/A
Efficacy: 103.6 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

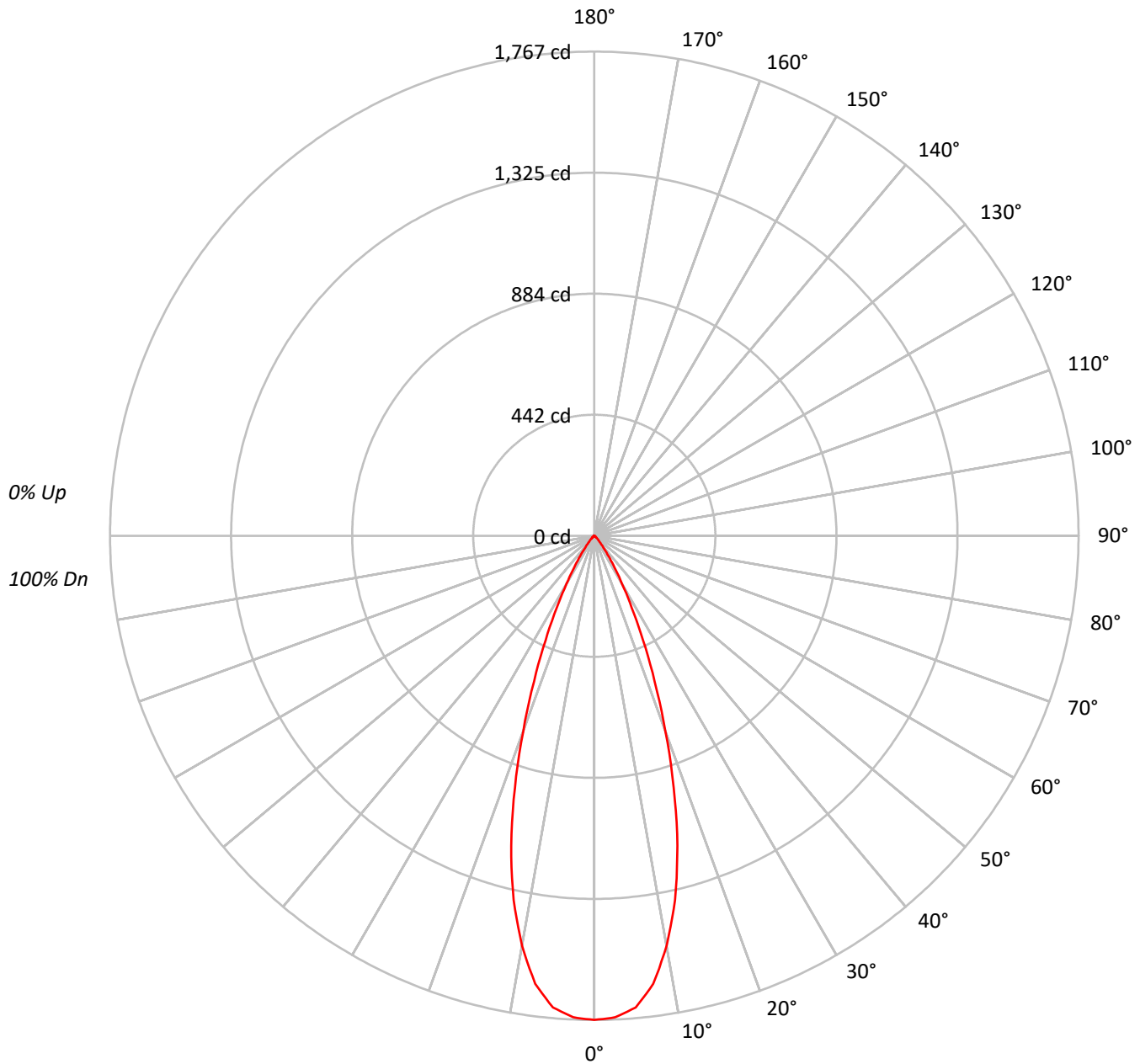
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225278

CATALOG NUMBER: LSSQ2B05FL408027D010 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P225278

CATALOG NUMBER: LSSQ2B05FL408027D010 2LBDC*MMS

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99		108	104	101	98		101	98	96		98	96	94		95	94	92
3	105	100	96	93		104	99	95	92		96	93	90		94	91	89		92	90	88
4	101	95	90	87		100	94	90	86		92	88	85		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		86	83	80		85	82	80
6	94	86	82	78		93	86	81	78		84	80	77		83	79	77		82	79	76
7	90	83	78	74		89	82	77	74		81	77	74		80	76	73		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	684402
5°	671929
10°	597337
15°	469783
20°	312616
25°	179461
30°	90661
35°	42652
40°	17141
45°	8491
50°	4700
55°	3242
60°	3021
65°	1741
70°	2152
75°	1497
80°	2231
85°	0



TEST NUMBER: P225278

CATALOG NUMBER: LSSQ2B05FL408027D010 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	20.9
10°-20°	317.3	42.0
20°-30°	197.4	26.1
30°-40°	60.7	8.0
40°-50°	13.3	1.8
50°-60°	4.7	0.6
60°-70°	2.4	0.3
70°-80°	1.4	0.2
80°-90°	0.4	0.1
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°	673.0	89.0
0°-40°	733.7	97.1
0°-60°	751.8	99.4
0°-90°	756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1767	
5°	1728	158
15°	1172	317
25°	420	197
35°	90	61
45°	16	13
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P225278

CATALOG NUMBER: LSSQ2B05FL408027D010 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	1766.9
2.5°	1759.2
5°	1728.1
7.5°	1649.6
10°	1518.7
12.5°	1361.6
15°	1171.5
17.5°	964.0
20°	758.4
22.5°	575.1
25°	419.9
27.5°	295.8
30°	202.7
32.5°	136.7
35°	90.2
37.5°	54.3
40°	33.9
42.5°	23.3
45°	15.5
47.5°	10.7
50°	7.8
52.5°	6.8
55°	4.8
57.5°	3.9
60°	3.9
62.5°	2.9
65°	1.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)