

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: P224957

Luminaire Tested: **LSSQWM2B05FL408050D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224957
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: LSSQWM2B05FL408050D010 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: 758.0 lumens
Efficiency: N/A
Efficacy: 103.8 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

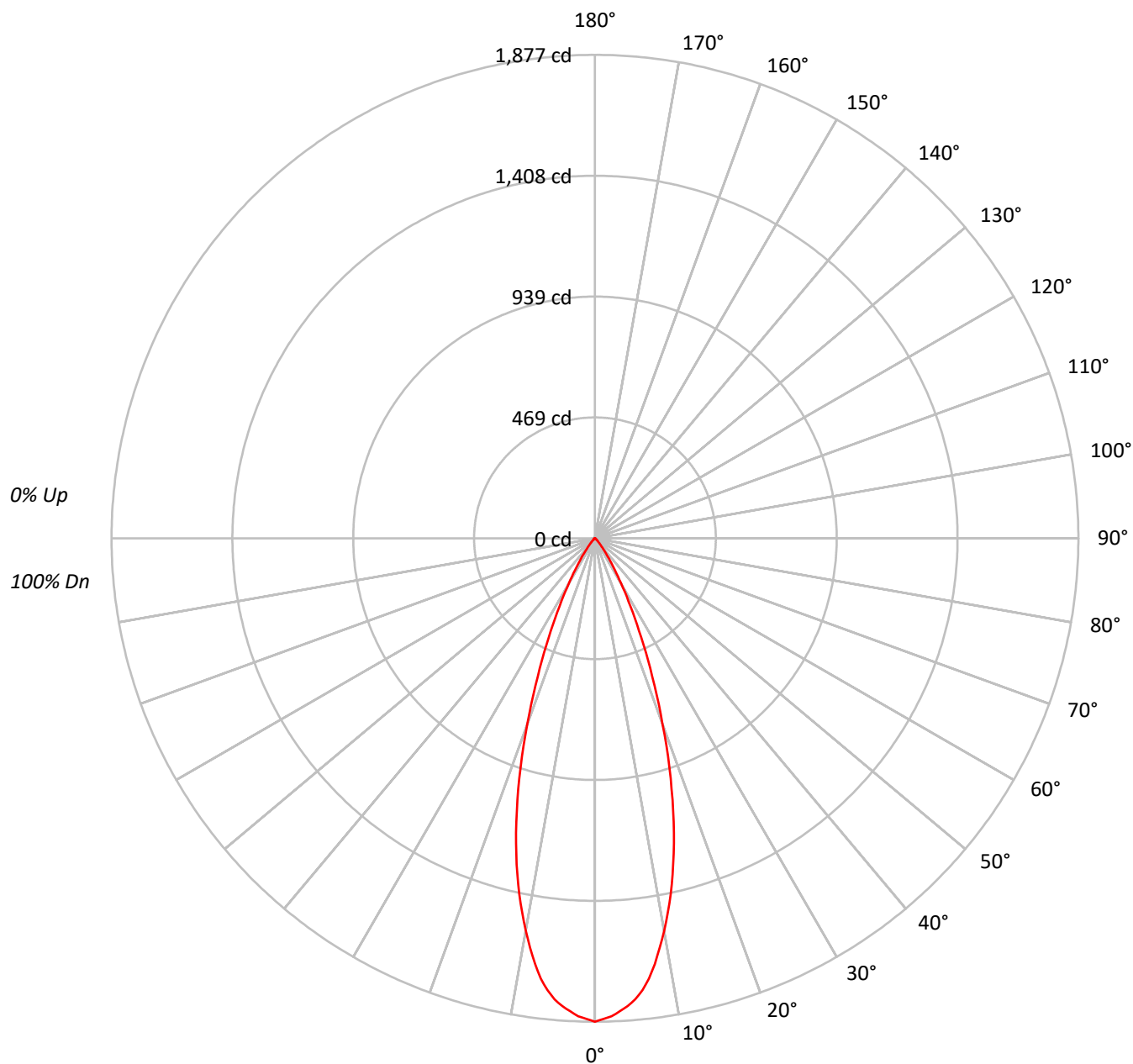
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	727126
5°	698758
10°	608272
15°	474956
20°	315873
25°	180871
30°	89901
35°	41328
40°	16585
45°	7560
50°	3495
55°	1958
60°	1162
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	21.6
10°-20°	321.2	42.4
20°-30°	198.8	26.2
30°-40°	59.5	7.8
40°-50°	11.9	1.6
50°-60°	2.9	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°	683.5	90.2
0°-40°	743.0	98.0
0°-60°	757.8	100.0
0°-90°	758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1877	
5°	1797	164
15°	1184	321
25°	423	199
35°	87	59
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1877.2
1°	1867.0
2°	1857.5
3°	1838.6
4°	1821.1
5°	1797.1
6°	1764.3
7°	1722.8
8°	1669.6
9°	1609.1
10°	1546.5
11°	1481.6
12°	1412.4
13°	1340.3
14°	1263.1
15°	1184.4
17.5°	976.8
20°	766.3
22.5°	579.8
25°	423.2
27.5°	297.2
30°	201.0
32.5°	132.6
35°	87.4
37.5°	54.6
40°	32.8
42.5°	21.1
45°	13.8
47.5°	8.7
50°	5.8
52.5°	4.4
55°	2.9
57.5°	2.2
60°	1.5
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)