

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: **LSSQWM2B05WFL559727D010 2LBDLC*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05WFL559727D010 2LBDLC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 456.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

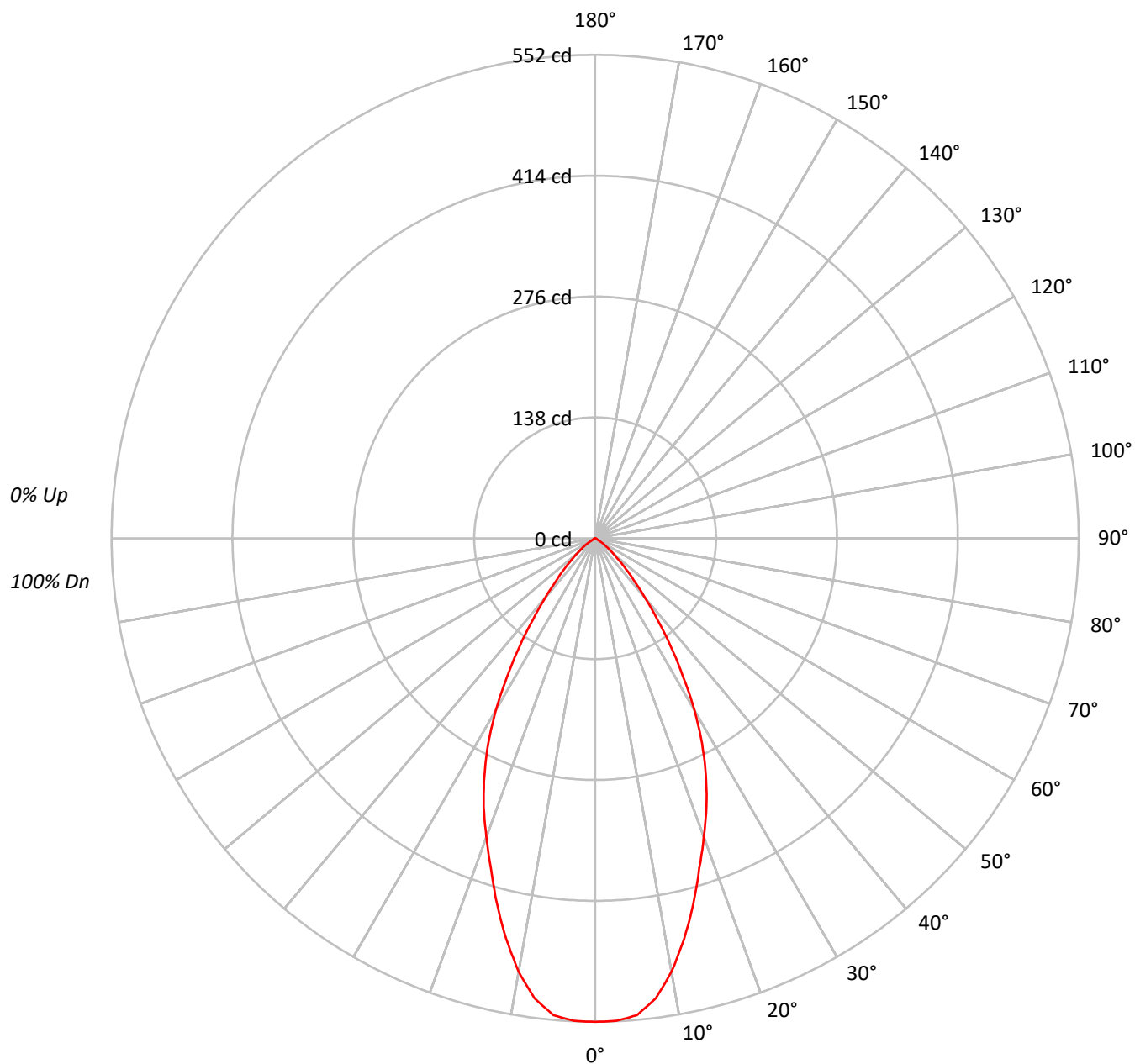
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	106		111	108	106	104		104	102	101			101	99	98			97
2	108	102	98	95		105	101	97	94		98	94	92			95	92	90			92
3	102	95	90	86		100	94	89	85		91	87	84			89	85	83			87
4	97	89	83	79		95	88	82	78		85	81	77			83	80	76			82
5	91	83	77	72		90	82	76	72		80	75	72			78	74	71			77
6	87	78	71	67		85	77	71	67		75	70	66			74	69	66			73
7	82	73	67	62		81	72	66	62		71	66	62			70	65	62			69
8	78	69	62	58		77	68	62	58		67	62	58			66	61	58			65
9	74	65	59	55		73	64	58	54		63	58	54			62	57	54			61
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213892
5°	212532
10°	197605
15°	173477
20°	149548
25°	127875
30°	101485
35°	70740
40°	44750
45°	27335
50°	16150
55°	8847
60°	1937
65°	1741
70°	1359
75°	1796
80°	1338
85°	2667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	11.1
10°-20°	120.5	26.4
20°-30°	135.9	29.8
30°-40°	94.0	20.6
40°-50°	40.1	8.8
50°-60°	11.6	2.5
60°-70°	1.7	0.4
70°-80°	1.0	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°	307.1	67.4
0°-40°	401.2	88.0
0°-60°	452.8	99.3
0°-90°	456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	456.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	552	
5°	547	51
15°	433	120
25°	299	136
35°	150	94
45°	50	40
55°	13	12
65°	2	2
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	552.2
2.5°	551.6
5°	546.6
7.5°	529.8
10°	502.4
12.5°	468.7
15°	432.6
17.5°	395.2
20°	362.8
22.5°	332.2
25°	299.2
27.5°	264.3
30°	226.9
32.5°	186.4
35°	149.6
37.5°	115.9
40°	88.5
42.5°	66.7
45°	49.9
47.5°	36.2
50°	26.8
52.5°	19.3
55°	13.1
57.5°	5.6
60°	2.5
62.5°	1.9
65°	1.9
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)