

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: **LSSQ2B05WFL559050D010 2LBDL*GPH**

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 (P14806)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B05WFL559050D010 2LBDL*GPH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 576.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

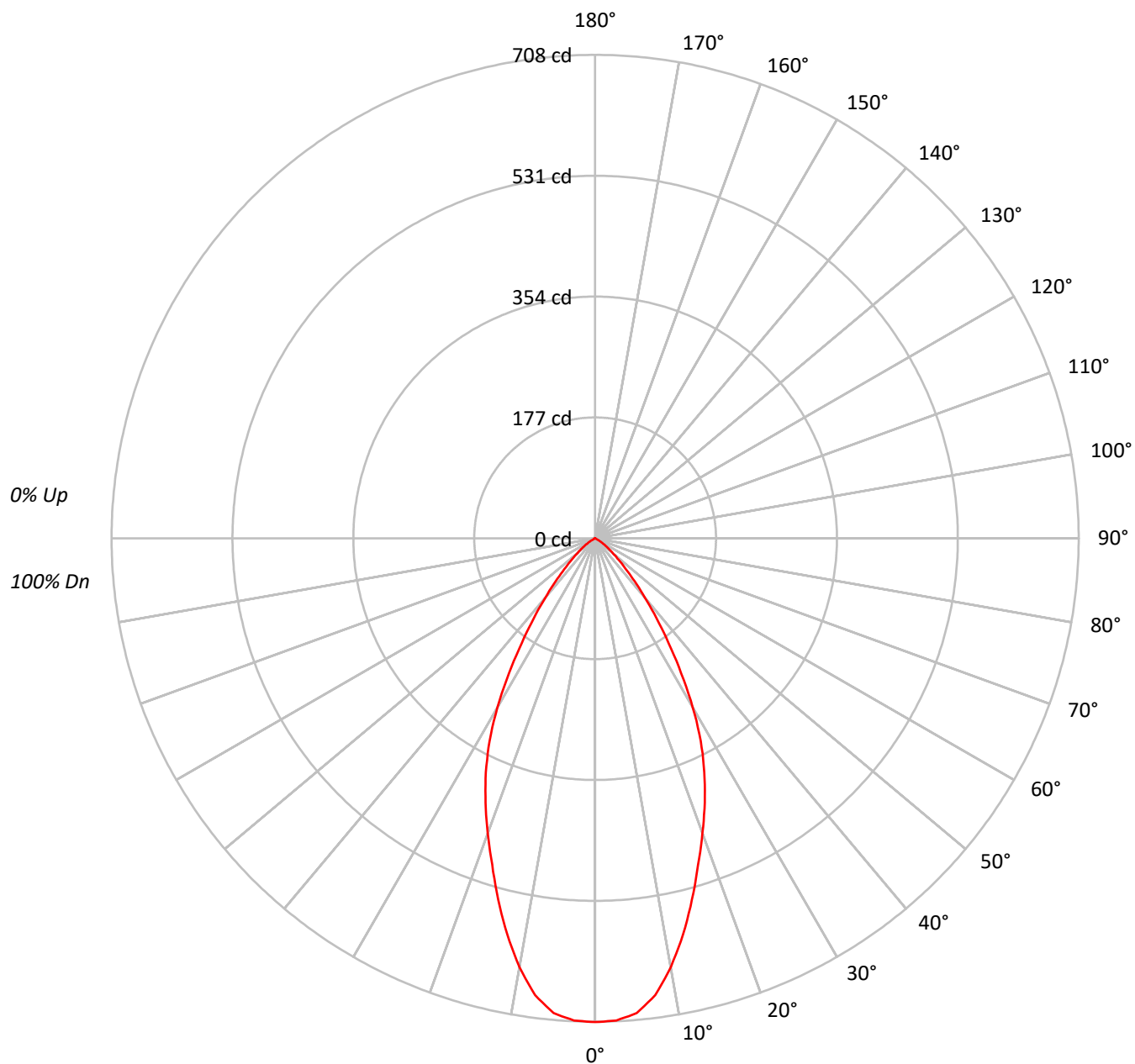
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			86
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			80
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			74
5	92	83	77	73		90	82	77	72		80	75	72			79	74	71			69
6	87	78	72	67		85	77	71	67		75	70	67			74	70	66			64
7	83	73	67	63		81	72	67	62		71	66	62			70	65	62			60
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			56
9	75	65	59	55		74	64	59	55		63	58	54			62	58	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274435
5°	271439
10°	250860
15°	219713
20°	189408
25°	161724
30°	127919
35°	88520
40°	57289
45°	34785
50°	20308
55°	11413
60°	4338
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	11.2
10°-20°	152.7	26.5
20°-30°	171.9	29.8
30°-40°	118.6	20.6
40°-50°	51.2	8.9
50°-60°	15.9	2.8
60°-70°	1.1	0.2
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°	389.3	67.6
0°-40°	507.9	88.2
0°-60°	575.0	99.8
0°-90°	576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	708	
5°	698	65
15°	548	153
25°	378	172
35°	187	119
45°	64	51
55°	17	16
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	708.5
2.5°	706.9
5°	698.1
7.5°	674.8
10°	637.8
12.5°	594.5
15°	547.9
17.5°	501.3
20°	459.5
22.5°	419.3
25°	378.4
27.5°	335.0
30°	286.0
32.5°	234.6
35°	187.2
37.5°	147.0
40°	113.3
42.5°	85.2
45°	63.5
47.5°	46.6
50°	33.7
52.5°	24.1
55°	16.9
57.5°	11.2
60°	5.6
62.5°	1.6
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



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— 0°-180°







(END OF REPORT)