

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: **LSSQ2B05WFL559035D010 2LBDL*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: LSSQ2B05WFL559035D010 2LBDL*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 565.0 lumens
Efficiency: N/A
Efficacy: 77.4 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

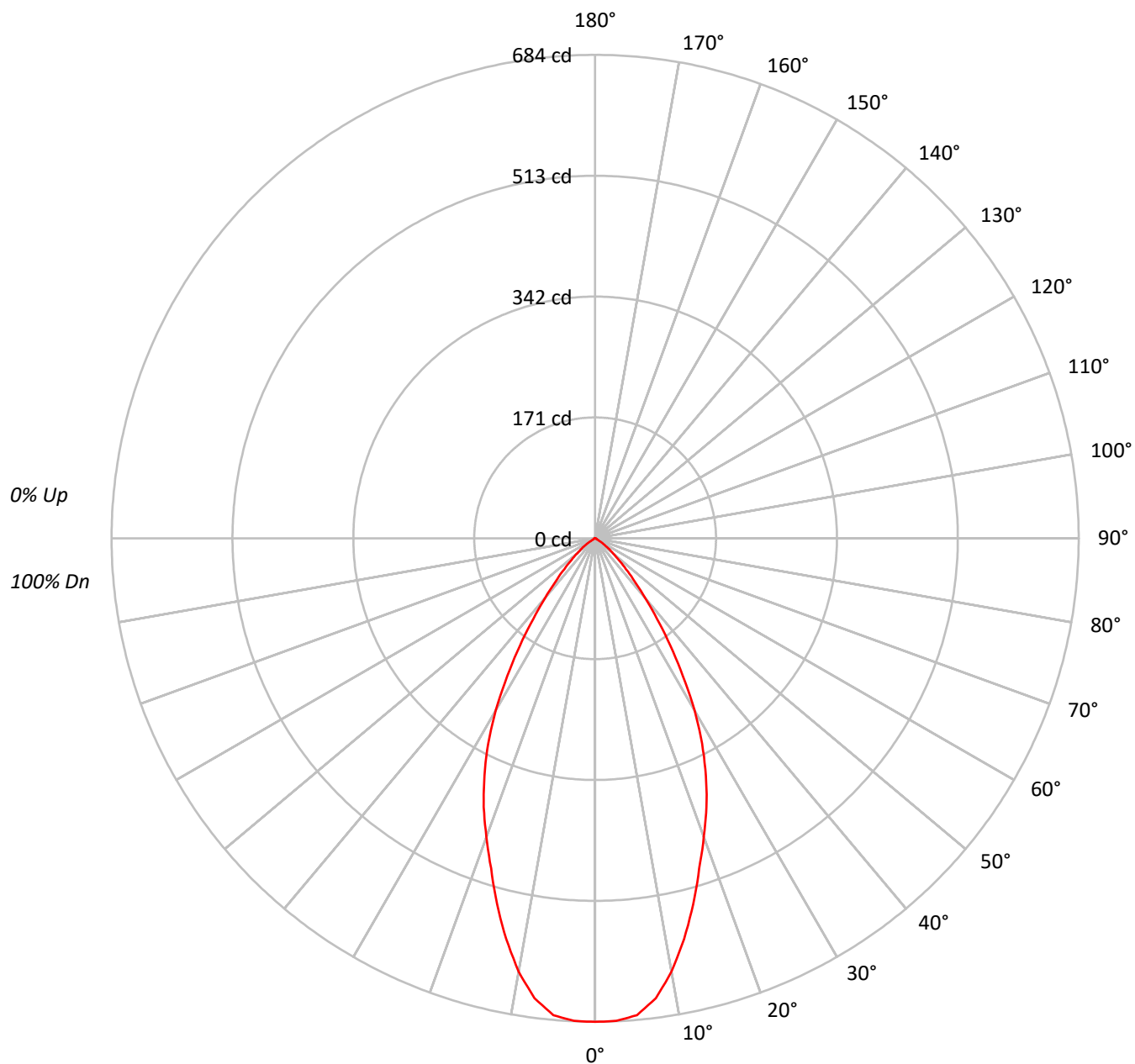
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	110	108	106		111	108	106	104		104	102	101			101	99	98			93
2	108	102	98	95		105	101	97	94		98	94	92			95	92	90			86
3	102	95	90	86		100	94	89	85		91	87	84			89	85	83			80
4	97	89	83	79		95	88	82	78		85	81	77			83	80	76			74
5	91	83	77	72		90	82	76	72		80	75	71			78	74	71			69
6	87	78	71	67		85	77	71	67		75	70	66			74	69	66			64
7	82	73	67	62		81	72	66	62		71	66	62			70	65	62			60
8	78	69	62	58		77	68	62	58		67	62	58			66	61	58			56
9	74	65	59	55		73	64	58	54		63	58	54			62	57	54			53
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265022
5°	263352
10°	244843
15°	214941
20°	185286
25°	158433
30°	125727
35°	87621
40°	55469
45°	33853
50°	20006
55°	10940
60°	2402
65°	2108
70°	1699
75°	2245
80°	1785
85°	3555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	11.1
10°-20°	149.3	26.4
20°-30°	168.4	29.8
30°-40°	116.5	20.6
40°-50°	49.7	8.8
50°-60°	14.4	2.5
60°-70°	2.1	0.4
70°-80°	1.3	0.2
80°-90°	0.5	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°	380.5	67.4
0°-40°	497.0	88.0
0°-60°	561.0	99.3
0°-90°	565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	684	
5°	677	63
15°	536	149
25°	371	168
35°	185	116
45°	62	50
55°	16	14
65°	2	2
75°	2	1
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	684.2
2.5°	683.5
5°	677.3
7.5°	656.4
10°	622.5
12.5°	580.7
15°	536.0
17.5°	489.6
20°	449.5
22.5°	411.6
25°	370.7
27.5°	327.4
30°	281.1
32.5°	230.9
35°	185.3
37.5°	143.6
40°	109.7
42.5°	82.6
45°	61.8
47.5°	44.8
50°	33.2
52.5°	23.9
55°	16.2
57.5°	7.0
60°	3.1
62.5°	2.3
65°	2.3
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)