

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: **LSSQWM2B10WFL559030D2WD010 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: LSSQWM2B10WFL559030D2WD010 2LBDL*MW
Description: 1000 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: 538.0 lumens
Efficiency: N/A
Efficacy: 52.2 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

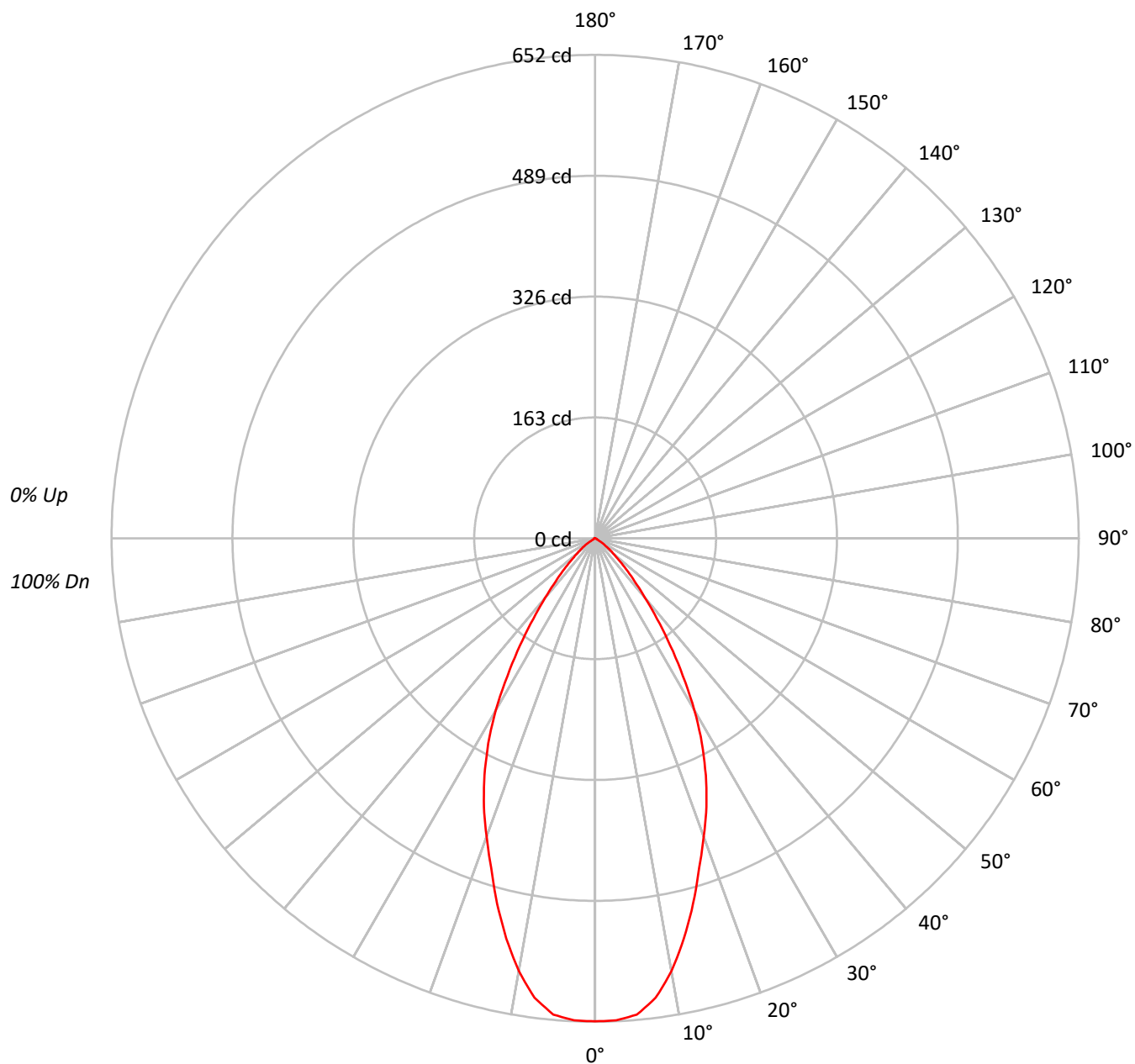
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	71			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°	252356
5°	250754
10°	233122
15°	204635
20°	176424
25°	150826
30°	119734
35°	83460
40°	52789
45°	32210
50°	19042
55°	10467
60°	2324
65°	2016
70°	1699
75°	2245
80°	1561
85°	3111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	11.1
10°-20°	142.1	26.4
20°-30°	160.3	29.8
30°-40°	110.9	20.6
40°-50°	47.3	8.8
50°-60°	13.7	2.5
60°-70°	2.0	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°	362.3	67.3
0°-40°	473.3	88.0
0°-60°	534.2	99.3
0°-90°	538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	538.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	652	
5°	645	60
15°	510	142
25°	353	160
35°	176	111
45°	59	47
55°	16	14
65°	2	2
75°	2	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	651.5
2.5°	650.8
5°	644.9
7.5°	625.1
10°	592.7
12.5°	553.0
15°	510.3
17.5°	466.2
20°	428.0
22.5°	391.9
25°	352.9
27.5°	311.8
30°	267.7
32.5°	219.9
35°	176.5
37.5°	136.8
40°	104.4
42.5°	78.7
45°	58.8
47.5°	42.6
50°	31.6
52.5°	22.8
55°	15.5
57.5°	6.6
60°	3.0
62.5°	2.2
65°	2.2
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)