

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: **LSSQWM2B10WFL558027D010 2LBDC*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: LSSQWM2B10WFL558027D010 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 947.3 lumens
Efficiency: N/A
Efficacy: 92.0 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

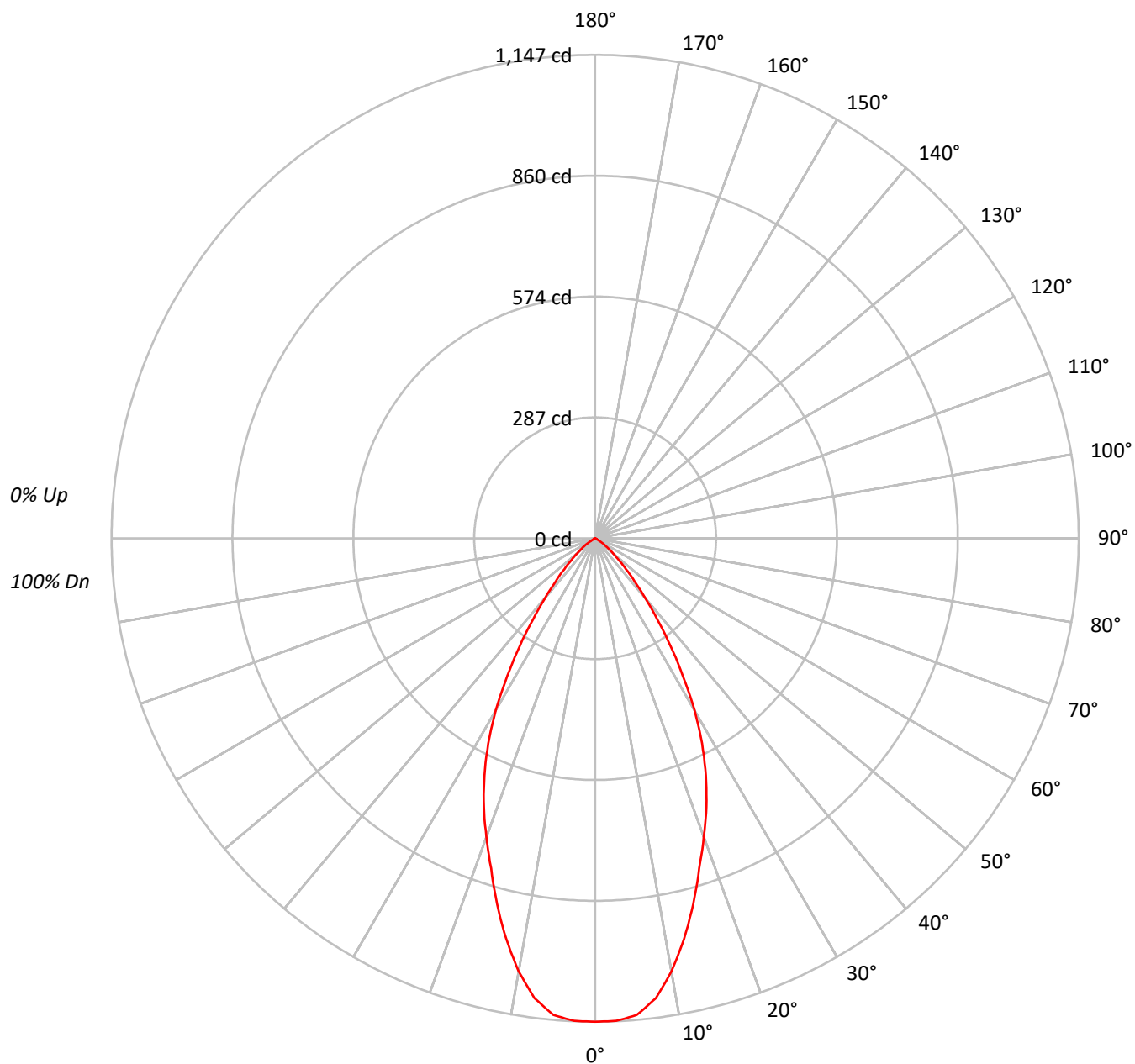
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	444363
5°	441550
10°	410470
15°	360348
20°	310638
25°	265622
30°	210798
35°	146966
40°	92988
45°	56751
50°	33565
55°	18369
60°	4028
65°	3575
70°	2945
75°	3891
80°	2900
85°	5778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	11.1
10°-20°	250.3	26.4
20°-30°	282.4	29.8
30°-40°	195.3	20.6
40°-50°	83.3	8.8
50°-60°	24.1	2.5
60°-70°	3.5	0.4
70°-80°	2.2	0.2
80°-90°	0.9	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°	638.0	67.3
0°-40°	833.3	88.0
0°-60°	940.7	99.3
0°-90°	947.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	947.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1147	
5°	1136	105
15°	899	250
25°	622	282
35°	311	195
45°	104	83
55°	27	24
65°	4	4
75°	3	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1147.2
2.5°	1145.9
5°	1135.6
7.5°	1100.6
10°	1043.6
12.5°	973.7
15°	898.6
17.5°	820.9
20°	753.6
22.5°	690.1
25°	621.5
27.5°	549.0
30°	471.3
32.5°	387.2
35°	310.8
37.5°	240.8
40°	183.9
42.5°	138.5
45°	103.6
47.5°	75.1
50°	55.7
52.5°	40.1
55°	27.2
57.5°	11.7
60°	5.2
62.5°	3.9
65°	3.9
67.5°	2.6
70°	2.6
72.5°	2.6
75°	2.6
77.5°	1.3
80°	1.3
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)