

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: **LSSQWM2B05WFL558027D010 2LBDC*MB**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05WFL558027D010 2LBDC*MB
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 694.0 lumens
Efficiency: N/A
Efficacy: 95.1 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

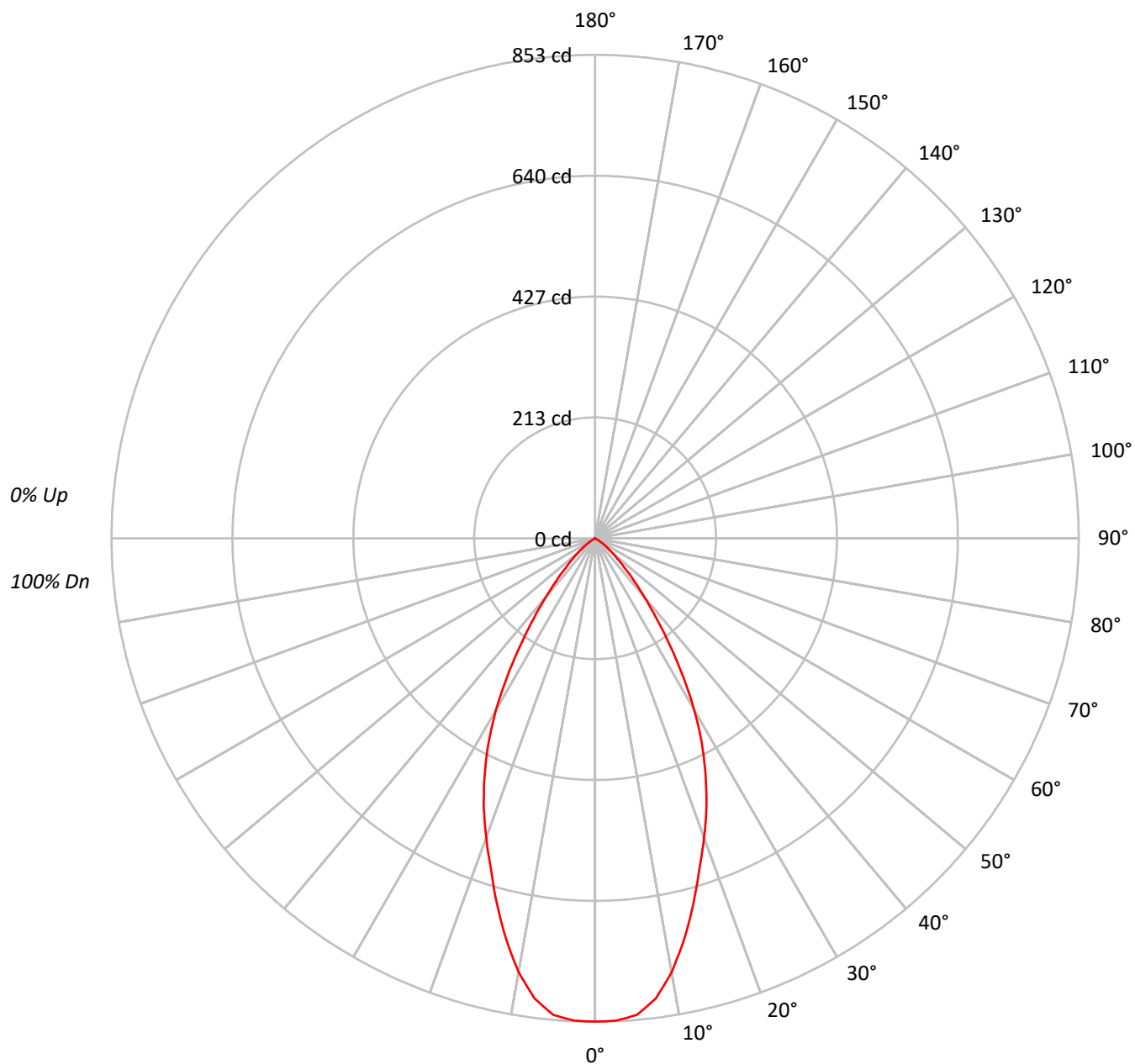
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106		111	109	106	104		104	103	101			101	99	98			97
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			92
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			87
4	97	89	84	79		95	88	83	79		86	82	78			84	80	77			82
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			77
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			73
7	83	73	67	63		81	73	67	63		71	66	63			70	66	62			69
8	79	69	63	59		78	69	63	59		67	62	59			66	62	58			65
9	75	65	59	55		74	65	59	55		64	59	55			63	58	55			62
10	71	62	56	52		70	61	56	52		60	55	52			60	55	52			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	330367
5°	328247
10°	305729
15°	268115
20°	231577
25°	196984
30°	156231
35°	107813
40°	67706
45°	40372
50°	23381
55°	11818
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	11.3
10°-20°	186.3	26.9
20°-30°	209.7	30.2
30°-40°	144.1	20.8
40°-50°	59.9	8.6
50°-60°	15.4	2.2
60°-70°	0.1	0.0
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°	474.5	68.4
0°-40°	618.6	89.1
0°-60°	693.9	100.0
0°-90°	694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	694.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	853	
5°	844	78
15°	669	186
25°	461	210
35°	228	144
45°	74	60
55°	18	15
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	852.9
2.5°	852.0
5°	844.2
7.5°	819.0
10°	777.3
12.5°	724.9
15°	668.6
17.5°	611.3
20°	561.8
22.5°	513.3
25°	460.9
27.5°	407.5
30°	349.3
32.5°	287.2
35°	228.0
37.5°	177.6
40°	133.9
42.5°	100.9
45°	73.7
47.5°	53.4
50°	38.8
52.5°	27.2
55°	17.5
57.5°	5.8
60°	1.0
62.5°	0.0
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)