

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: **LSSQWM2B05WFL558030D010 2LBDLC*MMS**

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 (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05WFL558030D010 2LBDLC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 652.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

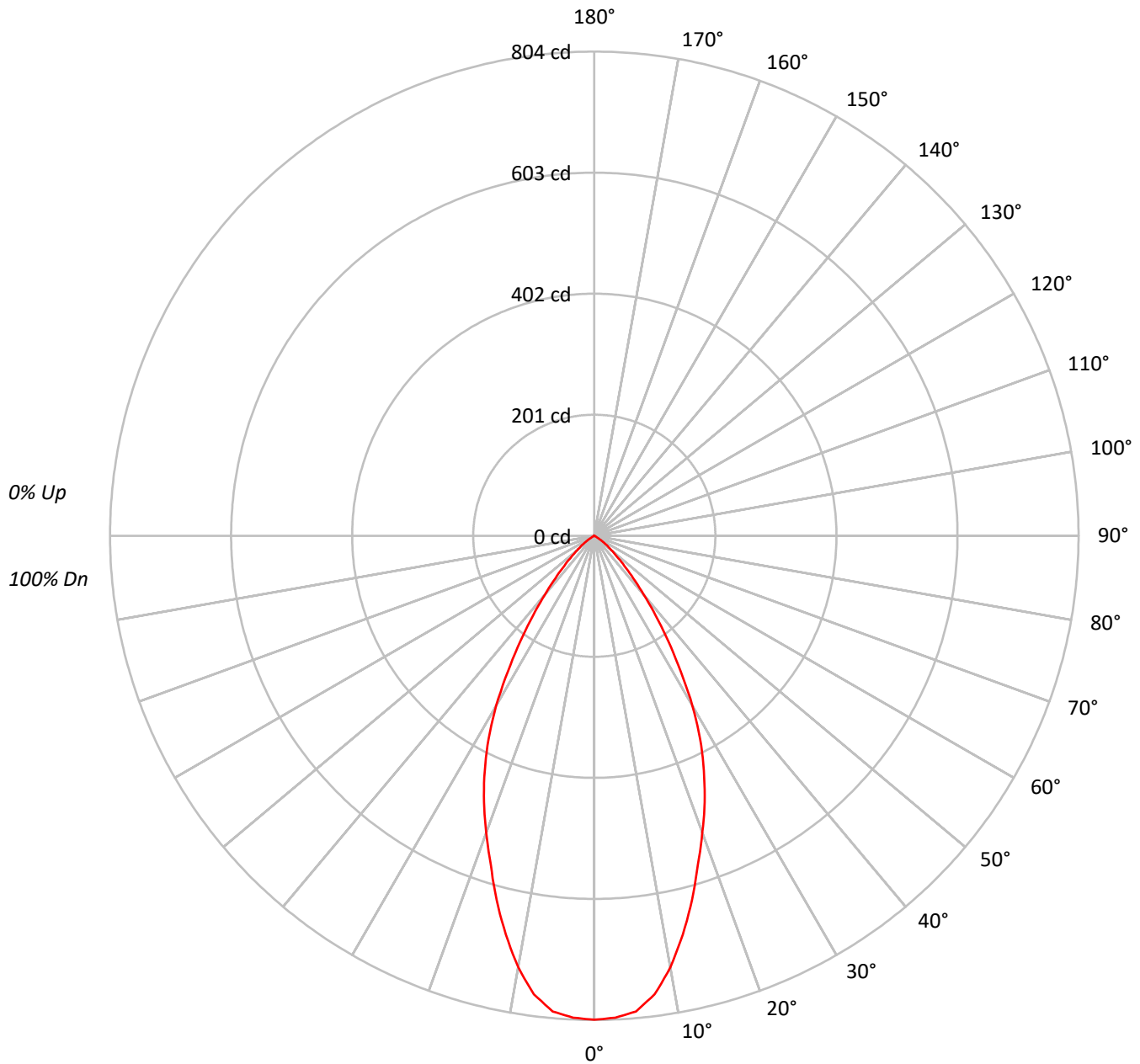
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		106	101	97	94		98	95	92			95	92	90			87
3	102	96	91	87		100	94	90	86		92	88	84			89	86	83			80
4	97	89	84	79		95	88	83	79		86	81	78			84	80	77			75
5	92	83	77	73		90	82	77	73		81	76	72			79	75	71			69
6	87	78	72	68		86	77	72	67		76	71	67			74	70	66			65
7	83	73	67	63		81	73	67	63		71	66	62			70	65	62			60
8	79	69	63	59		77	68	63	59		67	62	58			66	62	58			56
9	75	65	59	55		74	65	59	55		64	58	55			63	58	55			53
10	71	62	56	52		70	61	55	52		60	55	51			59	55	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	311271
5°	308300
10°	286141
15°	251193
20°	216160
25°	183948
30°	145675
35°	101145
40°	64267
45°	38729
50°	22116
55°	12088
60°	1394
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	11.3
10°-20°	174.4	26.7
20°-30°	195.7	30.0
30°-40°	134.9	20.7
40°-50°	57.0	8.7
50°-60°	16.0	2.5
60°-70°	0.4	0.1
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°	443.6	68.0
0°-40°	578.5	88.7
0°-60°	651.6	99.9
0°-90°	652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	793	74
15°	626	174
25°	430	196
35°	214	135
45°	71	57
55°	18	16
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	803.6
2.5°	800.9
5°	792.9
7.5°	767.8
10°	727.5
12.5°	678.3
15°	626.4
17.5°	571.8
20°	524.4
22.5°	478.8
25°	430.4
27.5°	380.3
30°	325.7
32.5°	266.7
35°	213.9
37.5°	167.3
40°	127.1
42.5°	95.8
45°	70.7
47.5°	51.0
50°	36.7
52.5°	26.8
55°	17.9
57.5°	8.9
60°	1.8
62.5°	0.9
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)