

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: **LSSQWM2B05WFL558050D010 2LBDC*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: LSSQWM2B05WFL558050D010 2LBDC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 754.0 lumens
Efficiency: N/A
Efficacy: 103.3 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

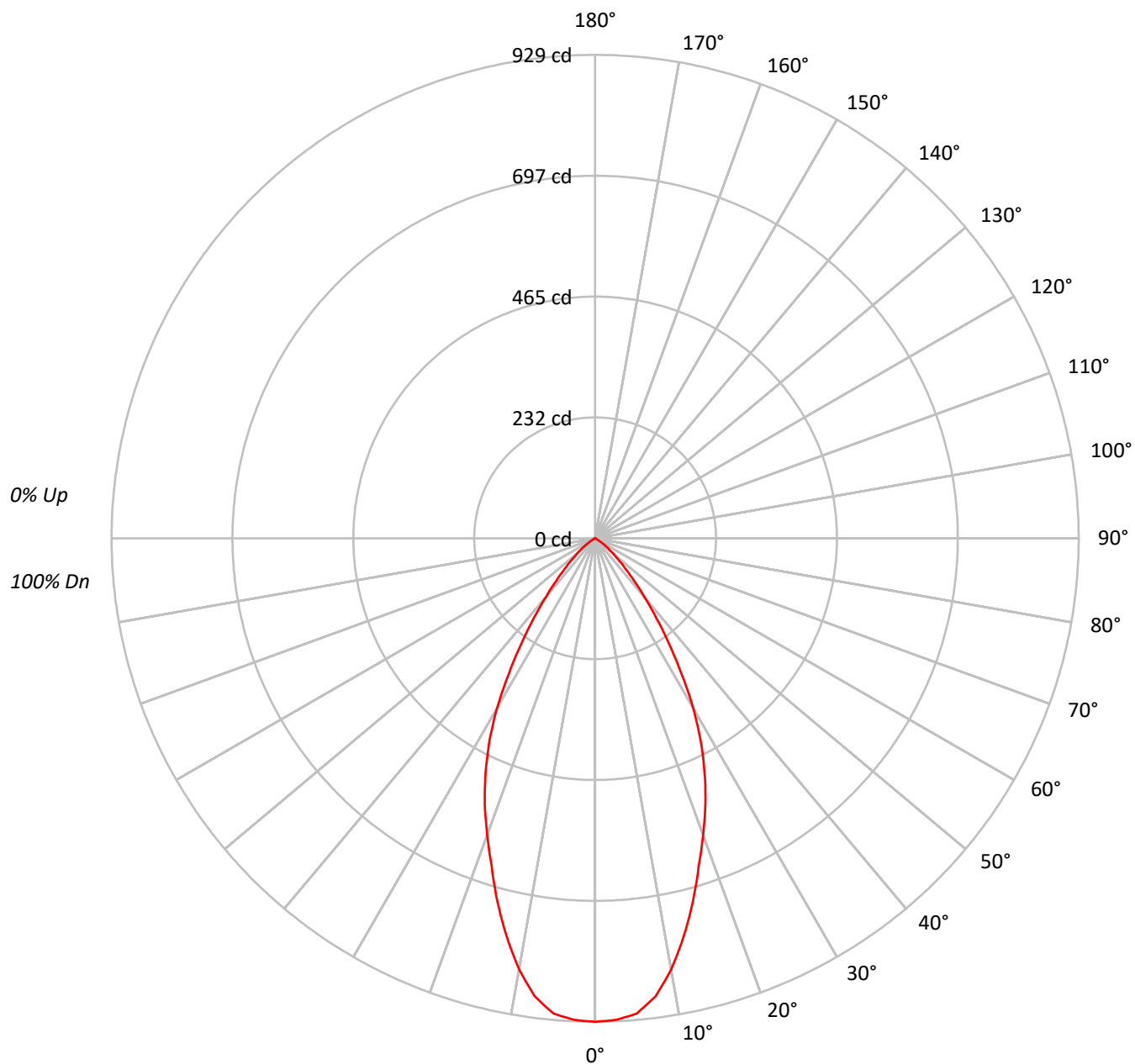
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106		111	108	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	84			89	86	83			87
4	97	89	84	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	73		81	76	72			79	75	71			77
6	87	78	72	68		86	77	72	67		76	71	67			74	70	66			73
7	83	73	67	63		81	73	67	63		71	66	62			70	65	62			69
8	79	69	63	59		77	68	63	59		67	62	58			66	62	58			65
9	75	65	59	55		74	65	59	55		64	58	55			63	58	55			62
10	71	62	56	52		70	61	55	52		60	55	51			59	55	51			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	359961
5°	356514
10°	330941
15°	290492
20°	249961
25°	212754
30°	168486
35°	116939
40°	74330
45°	44809
50°	25550
55°	13979
60°	1627
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	11.3
10°-20°	201.6	26.7
20°-30°	226.3	30.0
30°-40°	156.0	20.7
40°-50°	65.9	8.7
50°-60°	18.5	2.5
60°-70°	0.5	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°	513.0	68.0
0°-40°	669.0	88.7
0°-60°	753.5	99.9
0°-90°	754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	929	
5°	917	85
15°	724	202
25°	498	226
35°	247	156
45°	82	66
55°	21	19
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	929.3
2.5°	926.2
5°	916.9
7.5°	887.9
10°	841.4
12.5°	784.4
15°	724.4
17.5°	661.3
20°	606.4
22.5°	553.7
25°	497.8
27.5°	439.8
30°	376.7
32.5°	308.4
35°	247.3
37.5°	193.5
40°	147.0
42.5°	110.7
45°	81.8
47.5°	59.0
50°	42.4
52.5°	31.0
55°	20.7
57.5°	10.3
60°	2.1
62.5°	1.0
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)