

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: **LSSQWM2B05WFL559024D010 2LBD*GPH**

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 (P14806)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05WFL559024D010 2LBD*GPH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

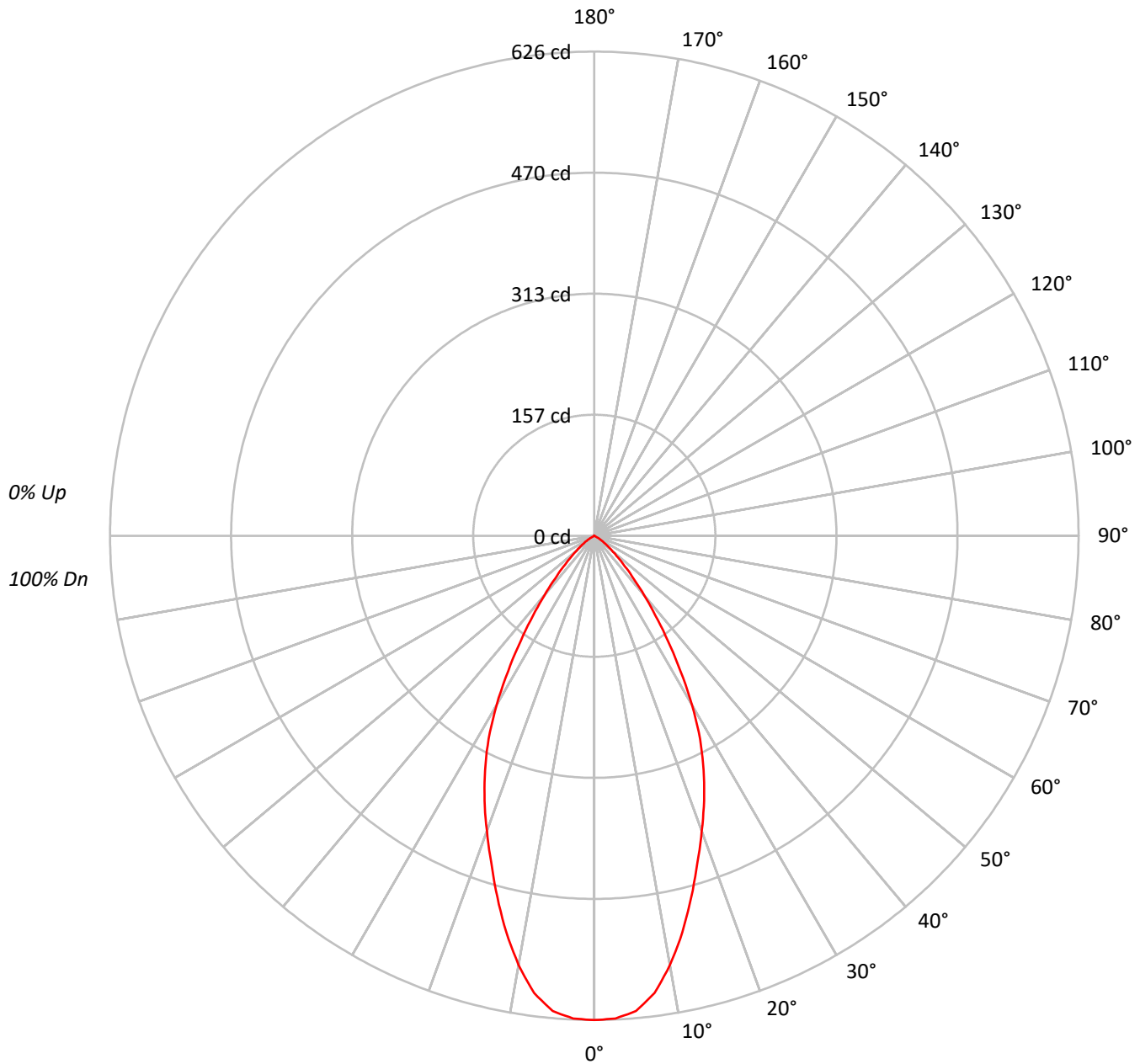
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		105	101	97	94		98	95	92			95	92	90			92
3	102	95	90	86		100	94	89	86		91	88	84			89	86	83			87
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	72		80	75	72			79	74	71			77
6	87	78	72	67		85	77	71	67		75	70	67			74	70	66			73
7	83	73	67	63		81	72	67	62		71	66	62			70	65	62			69
8	78	69	63	58		77	68	62	58		67	62	58			66	61	58			65
9	75	65	59	55		74	64	59	55		63	58	54			62	58	54			62
10	71	61	55	51		70	61	55	51		60	55	51			59	54	51			58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242517
5°	239867
10°	221676
15°	194129
20°	167396
25°	142919
30°	113025
35°	78211
40°	50615
45°	30731
50°	17958
55°	10062
60°	3873
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	11.2
10°-20°	135.0	26.5
20°-30°	151.9	29.8
30°-40°	104.8	20.6
40°-50°	45.2	8.9
50°-60°	14.0	2.8
60°-70°	0.9	0.2
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°	344.0	67.6
0°-40°	448.8	88.2
0°-60°	508.1	99.8
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	626	
5°	617	57
15°	484	135
25°	334	152
35°	165	105
45°	56	45
55°	15	14
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	626.1
2.5°	624.7
5°	616.9
7.5°	596.3
10°	563.6
12.5°	525.3
15°	484.1
17.5°	443.0
20°	406.1
22.5°	370.6
25°	334.4
27.5°	296.0
30°	252.7
32.5°	207.3
35°	165.4
37.5°	129.9
40°	100.1
42.5°	75.2
45°	56.1
47.5°	41.2
50°	29.8
52.5°	21.3
55°	14.9
57.5°	9.9
60°	5.0
62.5°	1.4
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)