

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: **LSRWM2B05WFL559050D010 2LBDL*WMH**

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 (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSRWM2B05WFL559050D010 2LBDL*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 585.0 lumens
Efficiency: N/A
Efficacy: 80.1 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

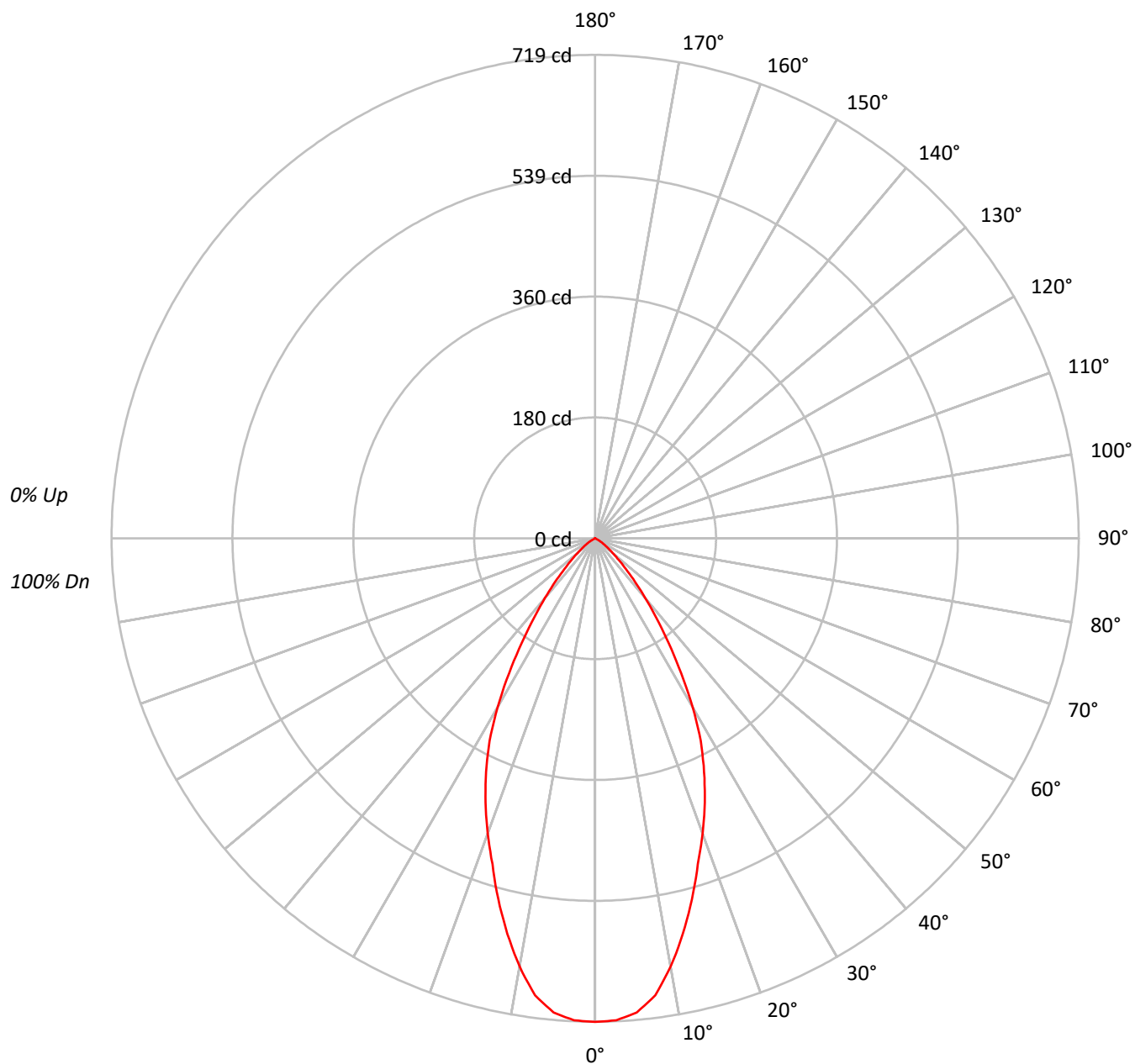
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B05WFL559050D010 2LBDL*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B05WFL559050D010 2LBDL*WMH

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	87	84			89	86	83			87
4	97	89	83	79		95	88	83	78		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	82	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		73	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°	278618
5°	275289
10°	254440
15°	223002
20°	192459
25°	163818
30°	129753
35°	90080
40°	58503
45°	35223
50°	20368
55°	11413
60°	4958
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B05WFL559050D010 2LBDL*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	11.2
10°-20°	154.9	26.5
20°-30°	174.4	29.8
30°-40°	120.5	20.6
40°-50°	52.2	8.9
50°-60°	16.2	2.8
60°-70°	1.2	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°	395.0	67.5
0°-40°	515.5	88.1
0°-60°	583.8	99.8
0°-90°	585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	719	
5°	708	66
15°	556	155
25°	383	174
35°	190	120
45°	64	52
55°	17	16
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSRWM2B05WFL559050D010 2LBDL*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	719.3
2.5°	717.6
5°	708.0
7.5°	685.5
10°	646.9
12.5°	602.7
15°	556.1
17.5°	507.9
20°	466.9
22.5°	425.9
25°	383.3
27.5°	339.9
30°	290.1
32.5°	237.9
35°	190.5
37.5°	149.5
40°	115.7
42.5°	87.6
45°	64.3
47.5°	47.4
50°	33.8
52.5°	24.1
55°	16.9
57.5°	12.1
60°	6.4
62.5°	1.6
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)