

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*H**

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 (P14807)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSRWM2B05WFL559050D010 2LBDL*H
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 589.0 lumens
Efficiency: N/A
Efficacy: 80.7 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

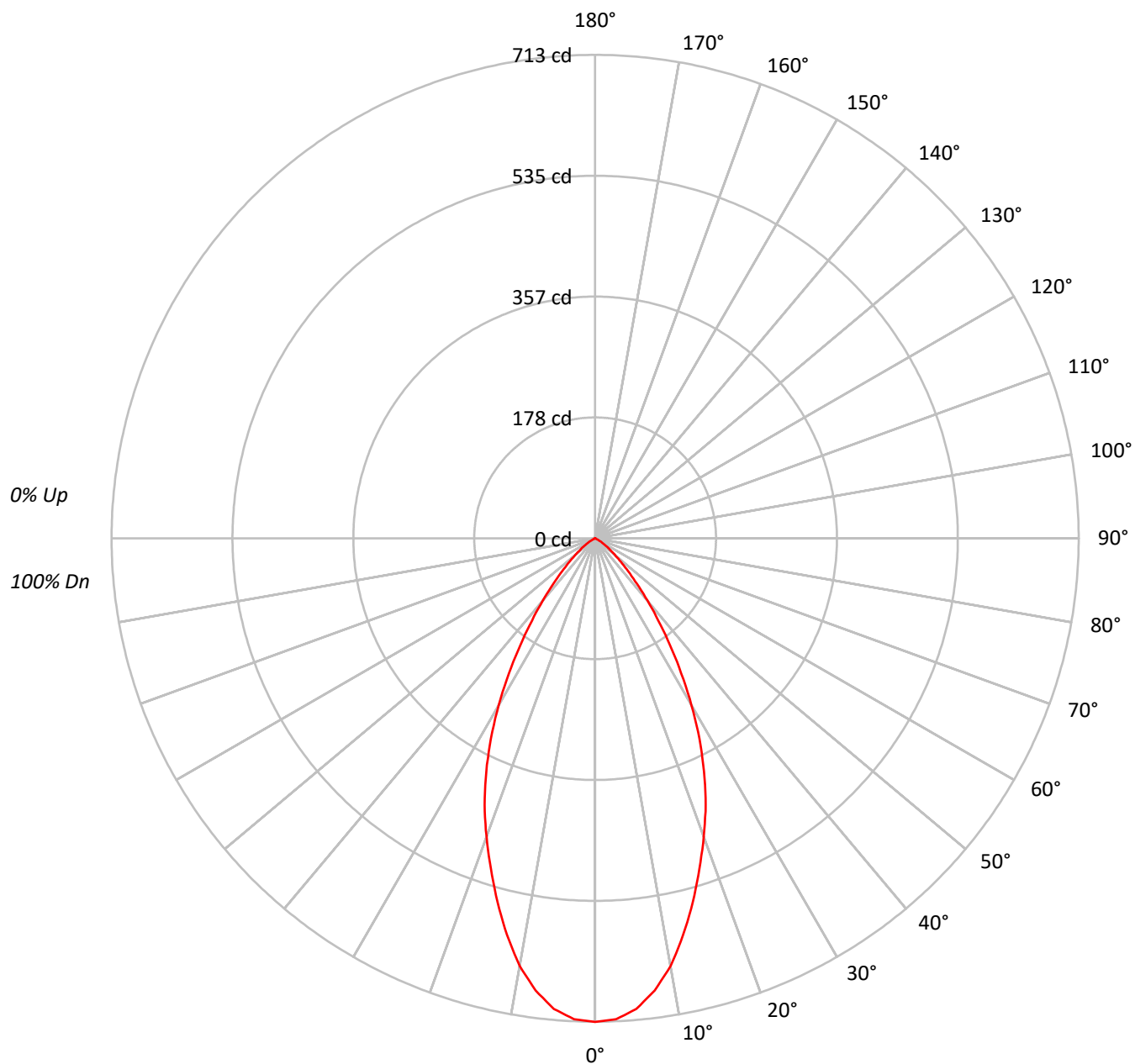
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	101			101	99	98			93
2	108	102	98	95		105	101	97	94		98	94	92			95	92	90			86
3	102	95	90	86		100	94	89	85		91	87	84			89	85	83			80
4	96	89	83	79		95	87	82	78		85	81	77			83	79	76			74
5	91	83	77	72		90	82	76	72		80	75	71			78	74	71			68
6	87	77	71	67		85	77	71	67		75	70	66			74	69	66			64
7	82	73	66	62		81	72	66	62		71	65	62			69	65	61			59
8	78	68	62	58		77	68	62	58		67	61	57			66	61	57			56
9	74	64	58	54		73	64	58	54		63	58	54			62	57	54			52
10	71	61	55	51		70	60	55	51		60	54	51			59	54	51			49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276333
5°	270934
10°	251883
15°	223002
20°	193036
25°	162280
30°	127069
35°	90790
40°	60627
45°	37578
50°	22537
55°	13506
60°	6043
65°	825
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	11.0
10°-20°	154.9	26.3
20°-30°	172.7	29.3
30°-40°	121.0	20.5
40°-50°	55.2	9.4
50°-60°	18.5	3.1
60°-70°	2.0	0.3
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°	392.3	66.6
0°-40°	513.3	87.1
0°-60°	587.0	99.7
0°-90°	589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	713	
5°	697	65
15°	556	155
25°	380	173
35°	192	121
45°	69	55
55°	20	18
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	713.4
2.5°	709.9
5°	696.8
7.5°	672.5
10°	640.4
12.5°	599.5
15°	556.1
17.5°	510.9
20°	468.3
22.5°	425.8
25°	379.7
27.5°	332.8
30°	284.1
32.5°	236.3
35°	192.0
37.5°	152.9
40°	119.9
42.5°	91.2
45°	68.6
47.5°	51.3
50°	37.4
52.5°	26.9
55°	20.0
57.5°	13.9
60°	7.8
62.5°	2.6
65°	0.9
67.5°	0.9
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)