

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: **LSR2B10WFL559030D2WD010 2LBD*WH**

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 (P14804)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10WFL559030D2WD010 2LBD*WH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 573.6 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.81
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

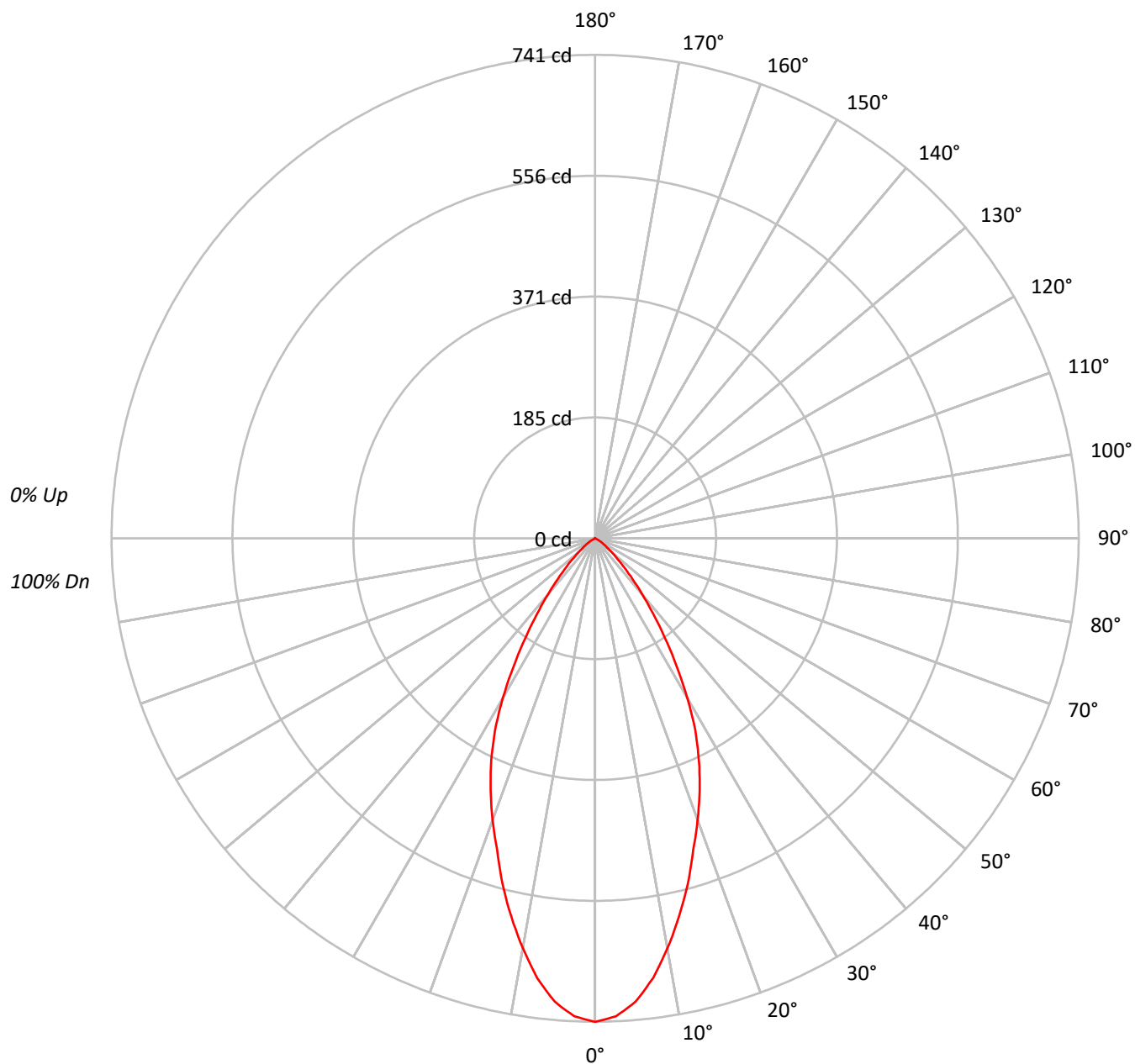
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	90	86		100	94	90	86		92	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	73		80	76	72			79	75	71			77
6	87	78	72	68		86	77	71	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	61	58			65
9	75	65	59	55		74	64	59	55		64	58	55			63	58	54			62
10	71	61	56	52		70	61	55	52		60	55	51			59	55	51			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	287140
5°	277194
10°	250978
15°	219874
20°	189326
25°	160912
30°	126488
35°	87905
40°	56936
45°	34073
50°	19946
55°	11210
60°	4261
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	11.4
10°-20°	152.6	26.6
20°-30°	171.0	29.8
30°-40°	117.5	20.5
40°-50°	50.5	8.8
50°-60°	15.4	2.7
60°-70°	0.9	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°	389.3	67.9
0°-40°	506.8	88.4
0°-60°	572.7	99.9
0°-90°	573.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	741	
5°	713	66
15°	548	153
25°	376	171
35°	186	118
45°	62	50
55°	17	15
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	741.3
2.5°	733.4
5°	712.9
7.5°	679.8
10°	638.1
12.5°	593.9
15°	548.3
17.5°	500.2
20°	459.3
22.5°	418.3
25°	376.5
27.5°	332.4
30°	282.8
32.5°	232.4
35°	185.9
37.5°	145.8
40°	112.6
42.5°	84.3
45°	62.2
47.5°	45.7
50°	33.1
52.5°	22.9
55°	16.6
57.5°	11.0
60°	5.5
62.5°	0.8
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)