

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: **LSSQ2B10WFL559030D010 2LBD*B**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B10WFL559030D010 2LBD*B
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 777.8 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

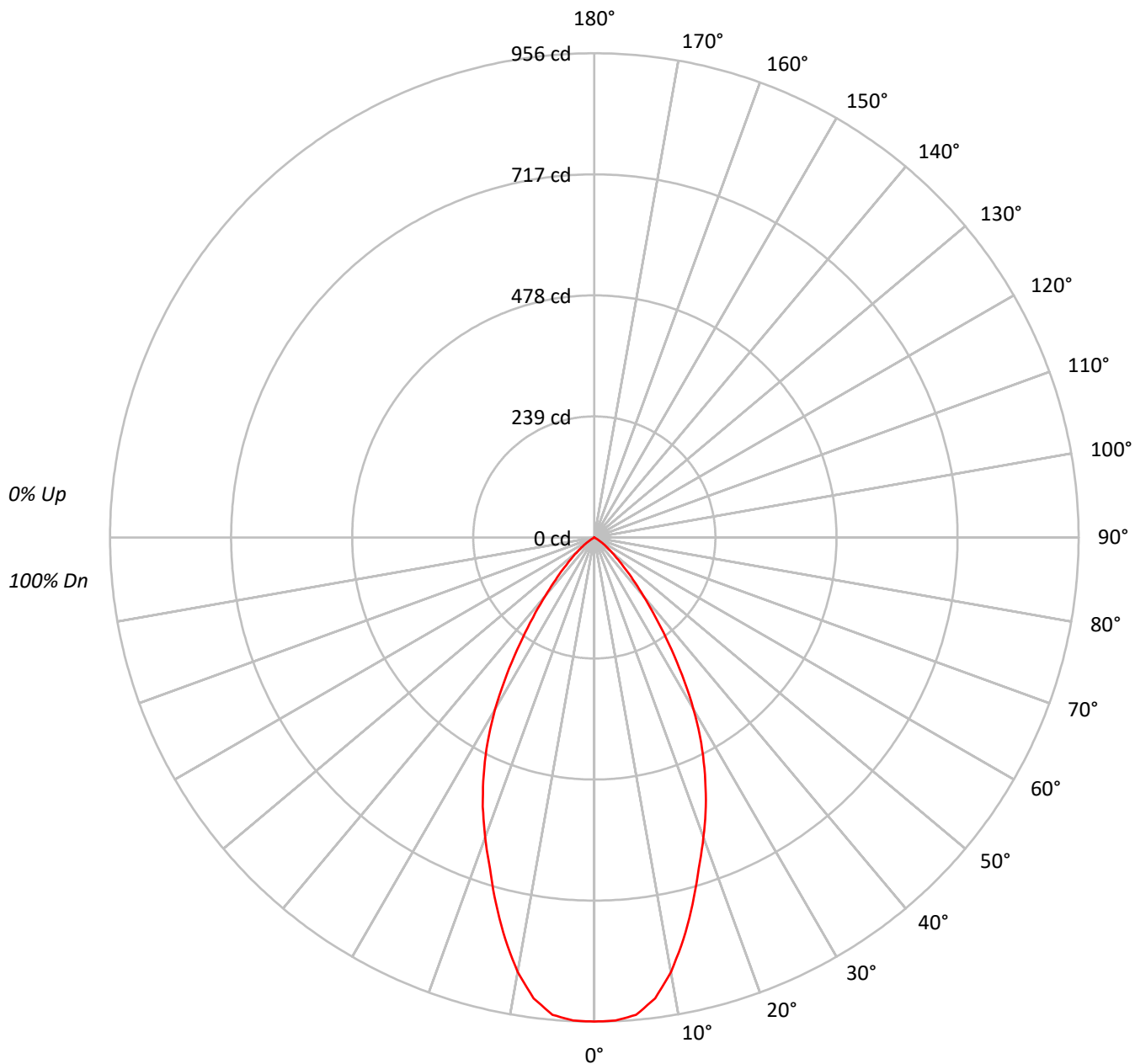
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106	111	109	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95	106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87	100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79	95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73	90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68	86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63	81	73	67	63		71	66	63		70	66	62		69	65	62
8	79	69	63	59	78	69	63	59		67	62	59		66	62	58		65	61	58
9	75	65	59	55	74	65	59	55		64	59	55		63	58	55		62	58	55
10	71	62	56	52	70	61	56	52		60	55	52		60	55	52		59	55	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	370264
5°	367868
10°	342622
15°	300477
20°	259565
25°	220789
30°	175106
35°	120864
40°	75897
45°	45302
50°	26213
55°	13236
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	11.3
10°-20°	208.8	26.8
20°-30°	235.1	30.2
30°-40°	161.5	20.8
40°-50°	67.1	8.6
50°-60°	17.3	2.2
60°-70°	0.1	0.0
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°	531.8	68.4
0°-40°	693.3	89.1
0°-60°	777.7	100.0
0°-90°	777.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	956	
5°	946	88
15°	749	209
25°	517	235
35°	256	161
45°	83	67
55°	20	17
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	955.9
2.5°	954.8
5°	946.1
7.5°	917.9
10°	871.1
12.5°	812.4
15°	749.3
17.5°	685.1
20°	629.7
22.5°	575.3
25°	516.6
27.5°	456.8
30°	391.5
32.5°	321.9
35°	255.6
37.5°	199.0
40°	150.1
42.5°	113.1
45°	82.7
47.5°	59.8
50°	43.5
52.5°	30.5
55°	19.6
57.5°	6.5
60°	1.1
62.5°	0.0
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)