

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: P211258

Luminaire Tested: **LSR4B15D010BZ EC4B10209730 4LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR4B15D010BZ EC4B10209730 4LBSWH1
Description: PORTFOLIO 4 INCH CYLINDER
SHALLOW DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-14.39W DE010-14.29W D5LT-14.34W DMX-14.46W DL2-15.8W
DL3-15.28W DLE-15.432W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1101.9 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

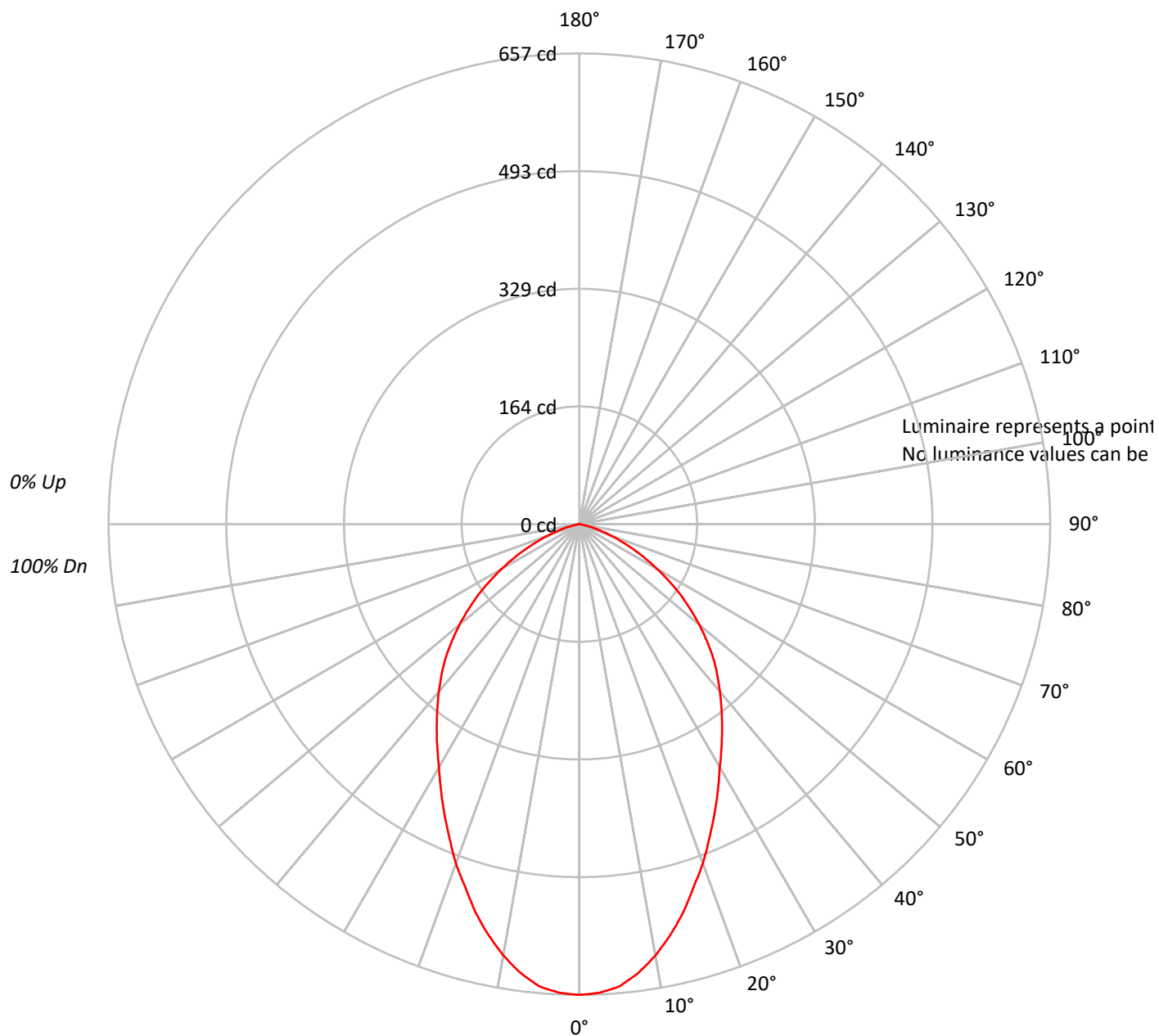
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	79	73	93	84	78	73	82	76	72		79	74	70		76
4	88	77	70	64	86	76	69	63	74	68	63		72	66	62		69
5	81	70	62	56	79	69	62	56	67	60	55		65	59	55		63
6	76	64	56	50	74	63	55	50	61	54	49		60	54	49		58
7	71	58	51	45	69	58	50	45	56	49	45		55	49	44		54
8	66	54	46	41	65	53	46	41	52	45	40		51	45	40		50
9	62	50	42	37	61	49	42	37	48	41	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	5.5
10°-20°	156.9	14.2
20°-30°	205.2	18.6
30°-40°	217.3	19.7
40°-50°	202.7	18.4
50°-60°	153.5	13.9
60°-70°	83.1	7.5
70°-80°	22.3	2.0
80°-90°	0.3	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°	422.7	38.4
0°-40°	640.0	58.1
0°-60°	996.1	90.4
0°-90°	1101.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	657	
5°	648	61
15°	561	157
25°	446	205
35°	347	217
45°	264	203
55°	172	153
65°	83	83
75°	19	22
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	657.1
2.5°	654.7
5°	647.5
7.5°	631.8
10°	611.3
12.5°	587.2
15°	560.7
17.5°	530.5
20°	504.0
22.5°	473.9
25°	446.1
27.5°	418.4
30°	391.9
32.5°	369.0
35°	347.3
37.5°	325.6
40°	305.1
42.5°	284.6
45°	264.1
47.5°	241.1
50°	218.2
52.5°	195.3
55°	172.4
57.5°	148.3
60°	125.4
62.5°	103.7
65°	83.2
67.5°	63.9
70°	47.0
72.5°	32.6
75°	19.3
77.5°	8.4
80°	2.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)