

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: P211177

Luminaire Tested: **LSR4B15D010BZ EC4B10209727 4LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211177
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 EC4B10209727 4LBWMW1
Description: PORTFOLIO 4 INCH CYLINDER
WIDE DISTRIBUTION WITH MATTE WHITE 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: 932.4 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.09
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

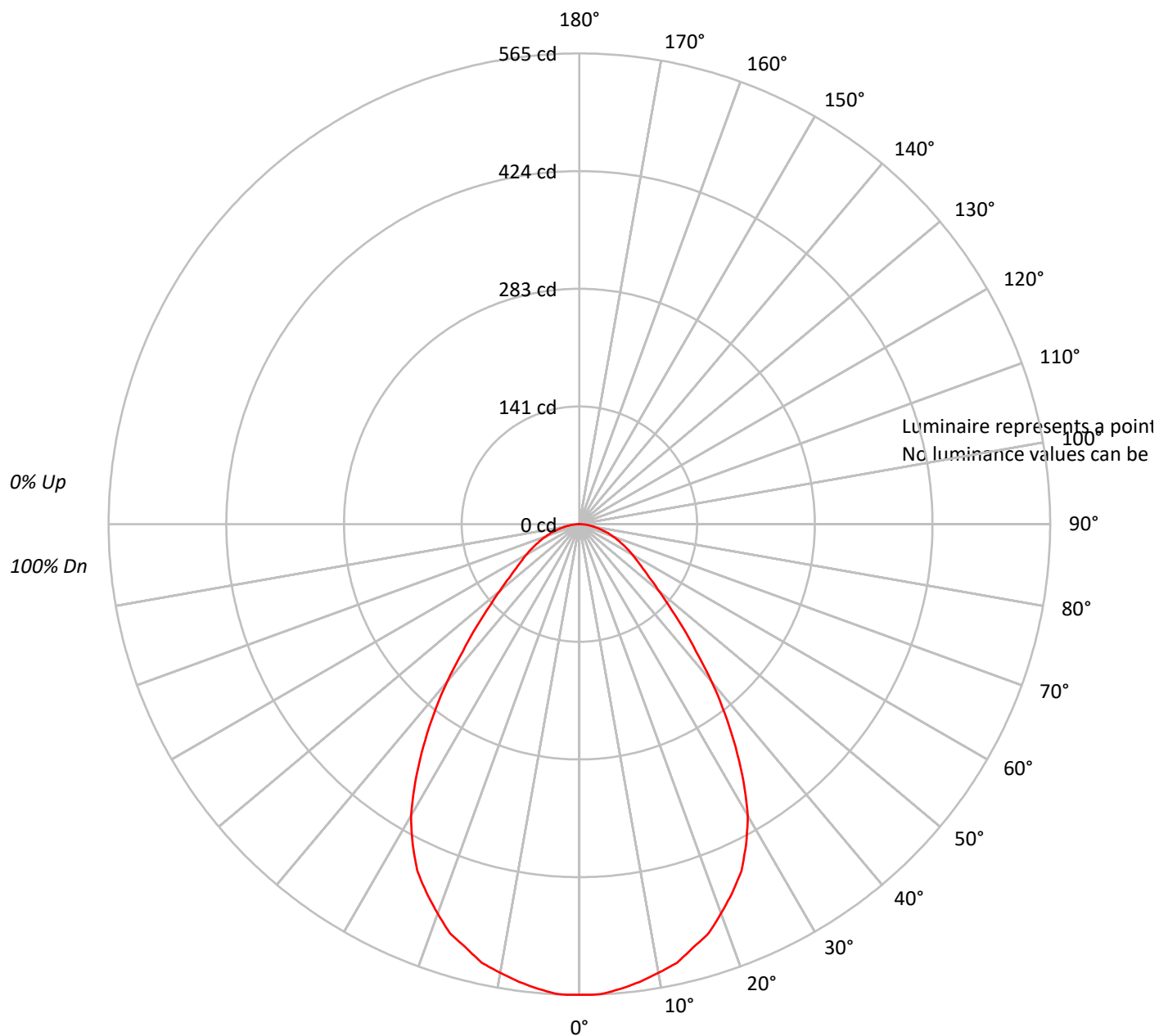
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





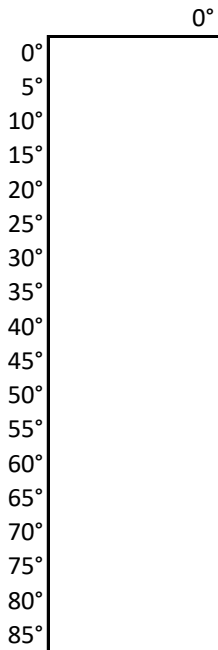
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	91	86		101	94	89	85		91	87	83		88	84	81		85	82	80
3	96	87	80	75		93	85	79	74		83	77	73		80	76	72		78	74	71
4	89	79	72	66		87	78	71	66		75	69	65		73	68	64		71	67	63
5	83	72	64	59		81	71	64	58		69	63	58		67	62	57		65	61	57
6	78	66	58	53		76	65	58	53		64	57	52		62	56	52		60	55	51
7	73	61	53	48		71	60	53	48		59	52	47		57	51	47		56	51	47
8	68	56	49	44		67	56	49	44		54	48	43		53	47	43		52	47	43
9	64	52	45	40		63	52	45	40		51	44	40		50	44	40		49	43	39
10	61	49	42	37		59	48	41	37		47	41	37		46	41	37		46	40	36

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	5.7
10°-20°	148.4	15.9
20°-30°	209.7	22.5
30°-40°	203.1	21.8
40°-50°	137.0	14.7
50°-60°	85.1	9.1
60°-70°	56.8	6.1
70°-80°	31.1	3.3
80°-90°	8.2	0.9
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°	411.1	44.1
0°-40°	614.2	65.9
0°-60°	836.3	89.7
0°-90°	932.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	565	
5°	560	53
15°	526	148
25°	460	210
35°	327	203
45°	175	137
55°	93	85
65°	57	57
75°	29	31
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	565.0
2.5°	565.0
5°	560.2
7.5°	554.2
10°	546.9
12.5°	539.6
15°	526.3
17.5°	515.4
20°	497.3
22.5°	479.1
25°	459.8
27.5°	433.2
30°	404.1
32.5°	366.6
35°	326.7
37.5°	286.8
40°	246.8
42.5°	206.9
45°	175.4
47.5°	146.4
50°	124.6
52.5°	106.5
55°	93.2
57.5°	82.3
60°	73.8
62.5°	65.3
65°	56.9
67.5°	49.6
70°	42.3
72.5°	36.3
75°	29.0
77.5°	23.0
80°	16.9
82.5°	12.1
85°	7.3
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)