

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: P35090

Luminaire Tested: **LSR6B15D010BZ EC6B10208035 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35090  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR6B15D010BZ EC6B10208035 6LBSWMH1  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW DISTRIBUTION WITH WARM HAZE TRIM  
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W  
DL3-15.28 W DLE-15.432 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1632.5 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

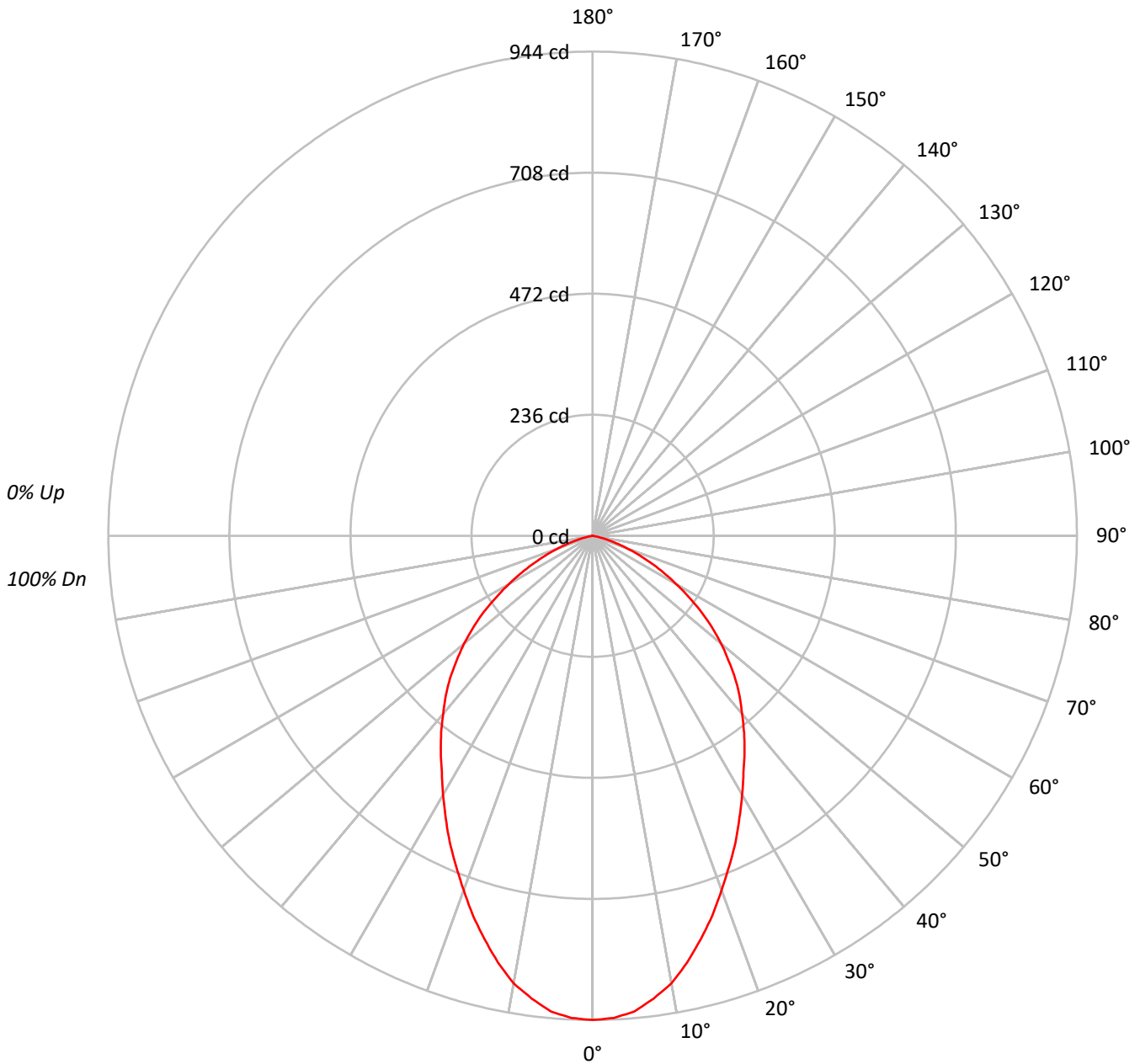
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67				67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47				47
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35				35
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32				32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	51750
5°	51233
10°	49320
15°	46198
20°	42879
25°	39861
30°	36904
35°	34532
40°	32418
45°	30468
50°	27888
55°	24754
60°	20612
65°	16214
70°	11380
75°	6142
80°	947
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	5.4
10°-20°	228.3	14.0
20°-30°	302.7	18.5
30°-40°	322.9	19.8
40°-50°	301.8	18.5
50°-60°	230.2	14.1
60°-70°	125.2	7.7
70°-80°	33.6	2.1
80°-90°	0.4	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°	618.4	37.9
0°-40°	941.3	57.7
0°-60°	1473.3	90.2
0°-90°	1632.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1632.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	944	
5°	931	87
15°	814	228
25°	659	303
35°	516	323
45°	393	302
55°	259	230
65°	125	125
75°	29	34
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	944
2.5°	941
5°	931
7.5°	910
10°	886
12.5°	852
15°	814
17.5°	776
20°	735
22.5°	696
25°	659
27.5°	620
30°	583
32.5°	547
35°	516
37.5°	485
40°	453
42.5°	424
45°	393
47.5°	359
50°	327
52.5°	293
55°	259
57.5°	222
60°	188
62.5°	156
65°	125
67.5°	97
70°	71
72.5°	49
75°	29
77.5°	13
80°	3
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)