

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: P204564

Luminaire Tested: **LSR6B15D010BZ EC6B10208035 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204564
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: LSR6B15D010BZ EC6B10208035 6LBSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH MATTE WHITE 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: 1632.6 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

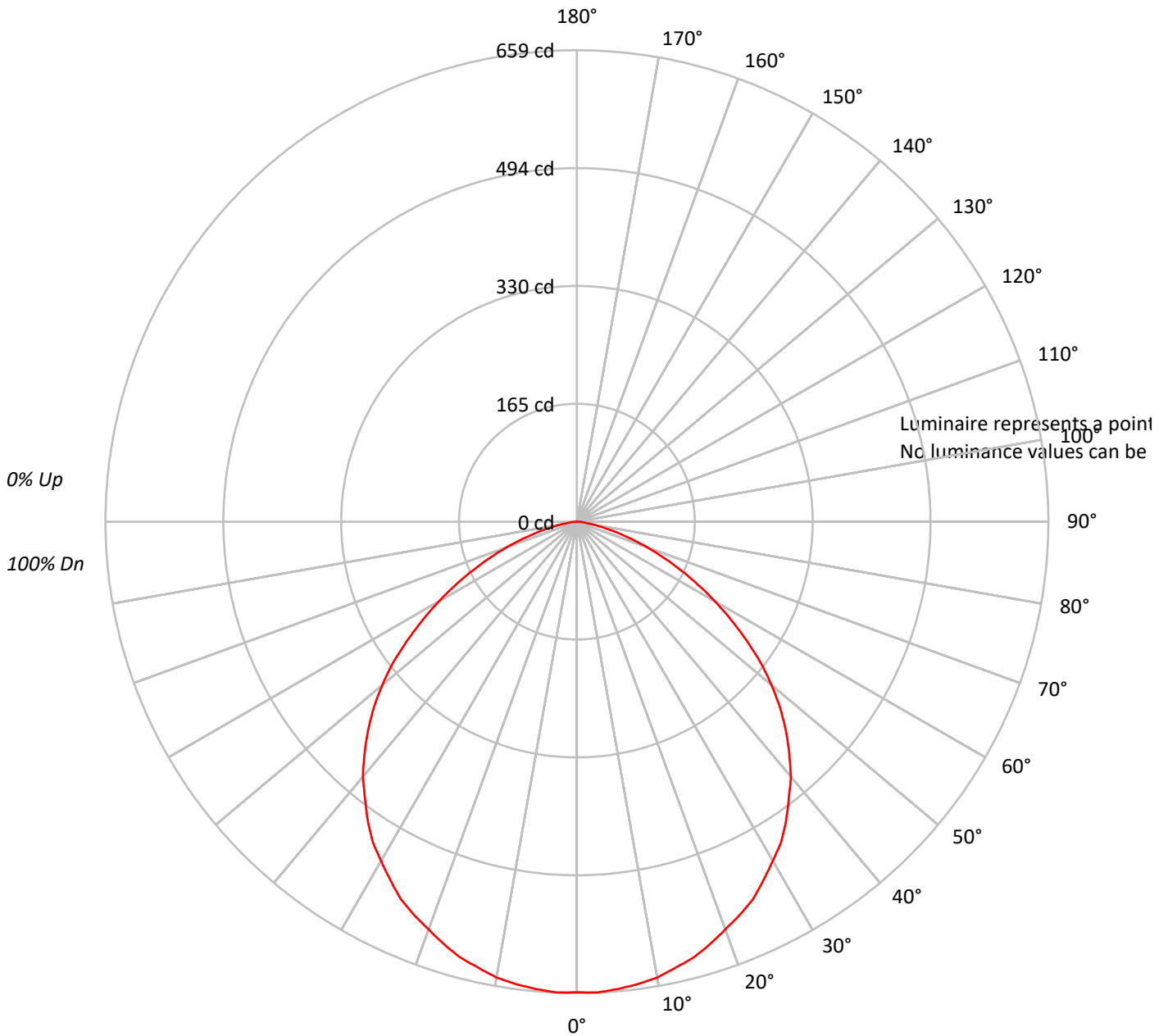
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86			86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63			63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54			54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47			47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42			42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37			37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33			33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30			30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	3.8
10°-20°	177.7	10.9
20°-30°	267.6	16.4
30°-40°	318.4	19.5
40°-50°	317.8	19.5
50°-60°	258.4	15.8
60°-70°	159.0	9.7
70°-80°	61.6	3.8
80°-90°	9.8	0.6
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°	507.5	31.1
0°-40°	825.9	50.6
0°-60°	1402.1	85.9
0°-90°	1632.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1632.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	658	
5°	656	62
15°	631	178
25°	582	268
35°	510	318
45°	413	318
55°	289	258
65°	160	159
75°	56	62
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	657.8
2.5°	658.7
5°	655.8
7.5°	652.0
10°	647.1
12.5°	638.4
15°	630.7
17.5°	619.1
20°	606.5
22.5°	594.9
25°	582.3
27.5°	564.9
30°	547.5
32.5°	531.1
35°	509.8
37.5°	486.6
40°	465.3
42.5°	439.2
45°	413.0
47.5°	385.0
50°	355.0
52.5°	324.0
55°	289.2
57.5°	255.4
60°	222.5
62.5°	190.6
65°	159.6
67.5°	130.6
70°	103.5
72.5°	78.4
75°	56.1
77.5°	36.8
80°	22.2
82.5°	13.5
85°	7.7
87.5°	3.9
90°	0.0



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— 0°-180°







(END OF REPORT)