

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: P203131

Luminaire Tested: **LSR6B15D010BZ EC6B10209730 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203131
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 EC6B10209730 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE 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: 1034.2 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

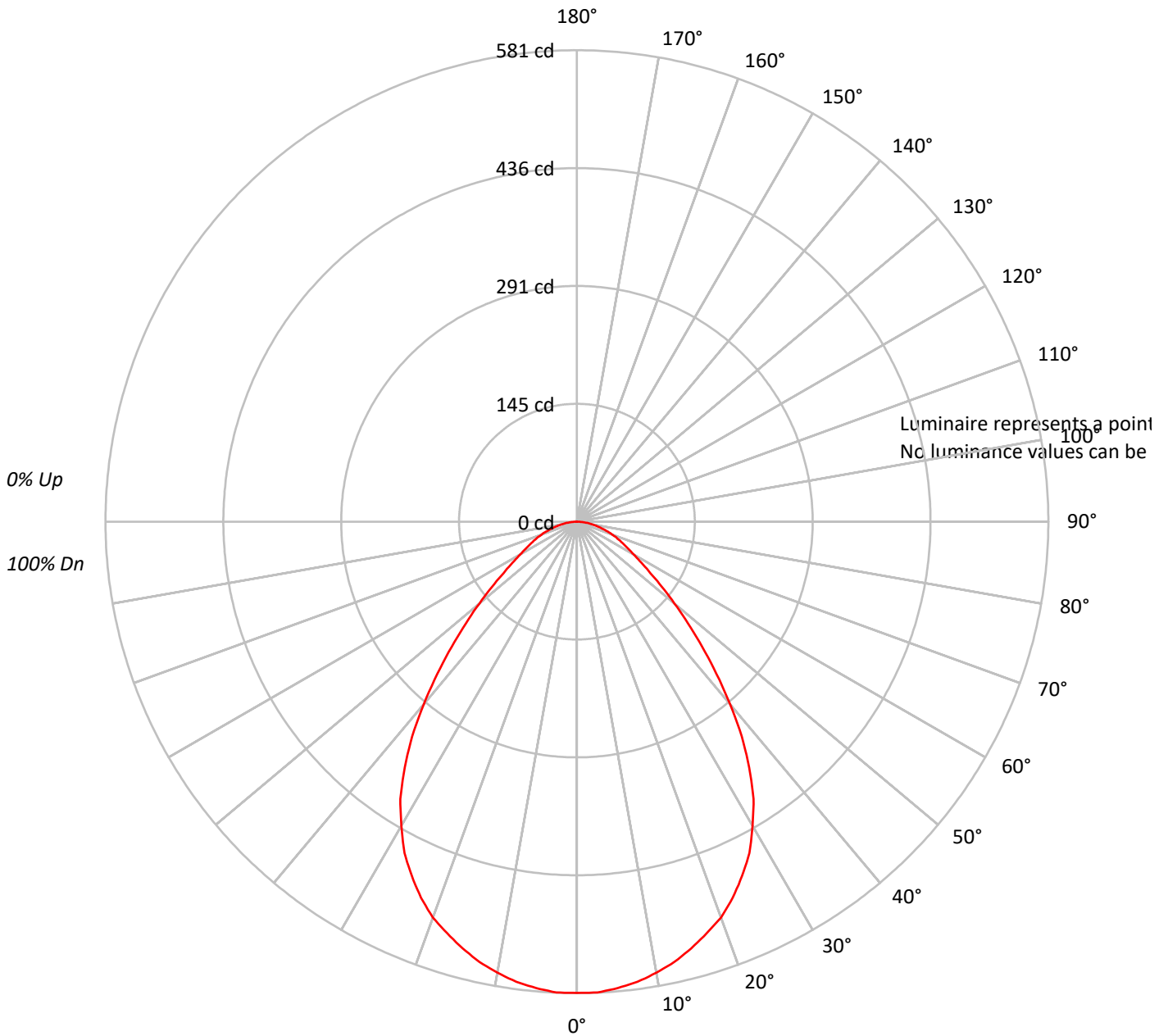
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60	60	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54	54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	37	37	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	34	34	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	5.3
10°-20°	153.4	14.8
20°-30°	221.0	21.4
30°-40°	229.4	22.2
40°-50°	169.6	16.4
50°-60°	101.3	9.8
60°-70°	61.6	6.0
70°-80°	33.7	3.3
80°-90°	9.4	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°	429.1	41.5
0°-40°	658.5	63.7
0°-60°	929.5	89.9
0°-90°	1034.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	581	
5°	577	55
15°	544	153
25°	482	221
35°	370	229
45°	218	170
55°	110	101
65°	62	62
75°	31	34
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	580.8
2.5°	580.8
5°	577.0
7.5°	572.0
10°	564.4
12.5°	555.7
15°	544.4
17.5°	531.8
20°	519.3
22.5°	501.7
25°	481.7
27.5°	460.3
30°	432.7
32.5°	405.1
35°	370.0
37.5°	333.7
40°	293.5
42.5°	254.6
45°	218.3
47.5°	185.6
50°	156.8
52.5°	131.7
55°	110.4
57.5°	94.1
60°	80.3
62.5°	70.2
65°	61.5
67.5°	53.9
70°	46.4
72.5°	38.9
75°	31.4
77.5°	25.1
80°	18.8
82.5°	13.8
85°	7.5
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)