

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: P203018

Luminaire Tested: **LSR6B15D010BZ EC6B10208035 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203018
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 6LBWB1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 845.4 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

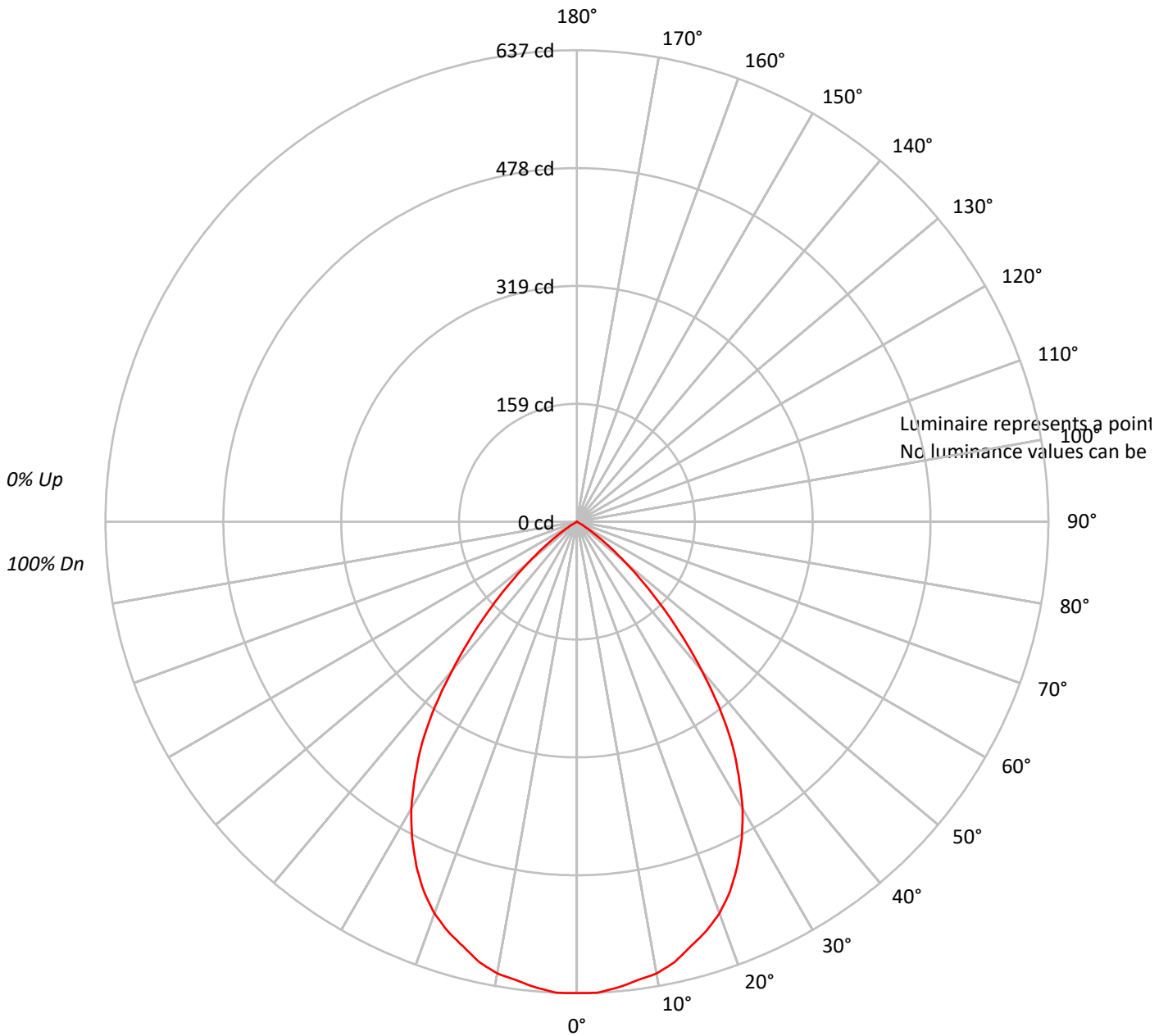
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203018

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBWB1

Luminous Intensity Polar Plot





TEST NUMBER: P203018

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBWB1

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64	64	64	64
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59	59	59	59
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54	54	54	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50	50	50	50
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46	46	46	46
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42	42	42	42

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203018

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBWB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	7.1
10°-20°	167.5	19.8
20°-30°	234.7	27.8
30°-40°	224.1	26.5
40°-50°	127.6	15.1
50°-60°	31.2	3.7
60°-70°	0.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	462.1	54.7
0°-40°	686.2	81.2
0°-60°	845.0	100.0
0°-90°	845.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	637	
5°	632	60
15°	594	168
25°	513	235
35°	365	224
45°	164	128
55°	31	31
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203018

CATALOG NUMBER: LSR6B15D010BZ EC6B10208035 6LBWB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	637.1
2.5°	637.1
5°	632.0
7.5°	625.1
10°	619.9
12.5°	609.6
15°	594.1
17.5°	580.3
20°	563.1
22.5°	540.7
25°	513.2
27.5°	482.2
30°	447.7
32.5°	406.4
35°	365.1
37.5°	315.1
40°	261.7
42.5°	211.8
45°	163.6
47.5°	120.5
50°	84.4
52.5°	53.4
55°	31.0
57.5°	13.8
60°	3.4
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)