

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: P203852

Luminaire Tested: **LSR6B15D010BZ EC6B10209730 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203852
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 6LBNGPH1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH GRAPHITE 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: 550.4 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

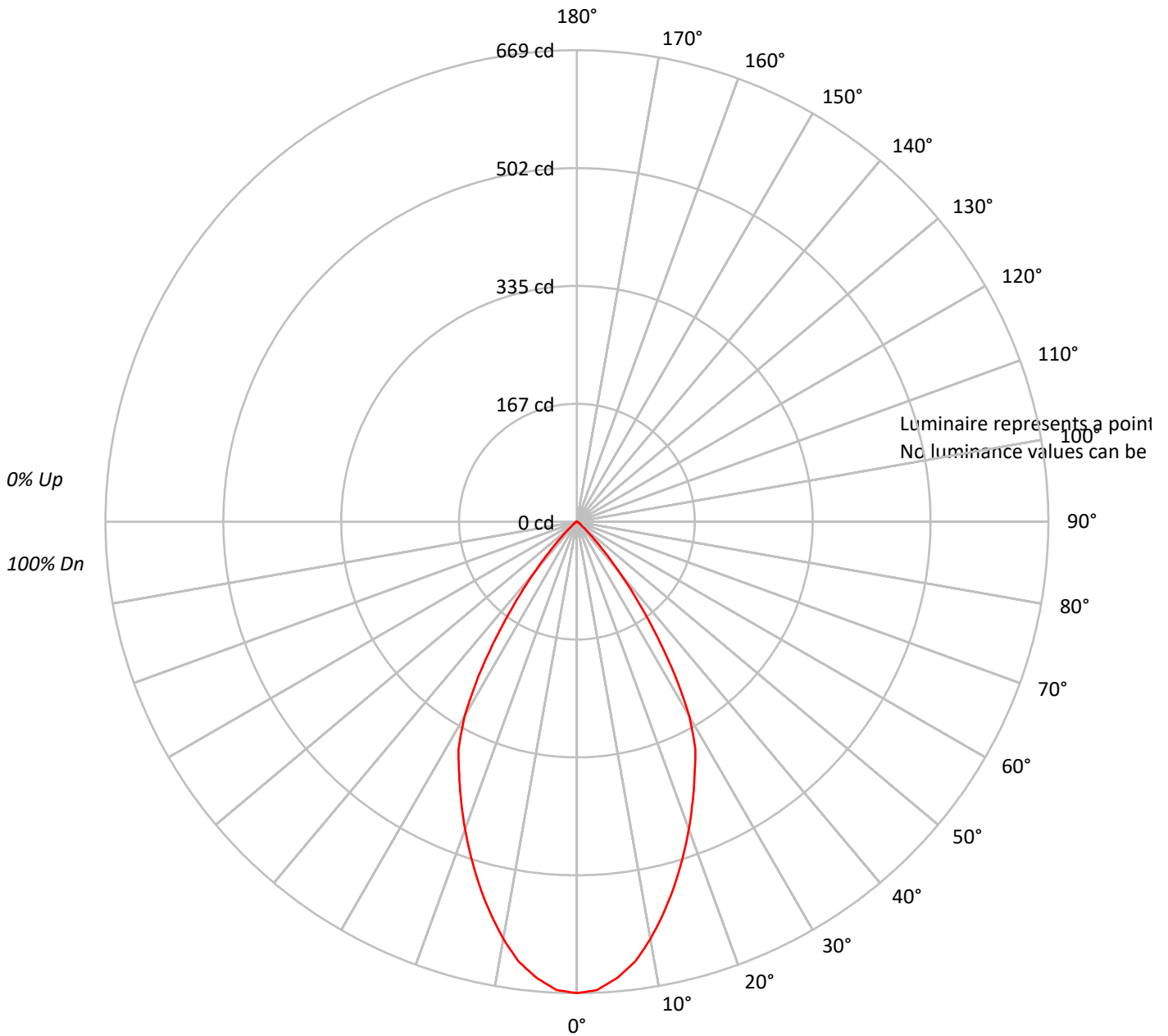
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203852

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203852

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBNGPH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	78	74	91	83	78	74	81	77	73	80	76	73	78	75	72	70																			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51																			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203852

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	11.0
10°-20°	149.3	27.1
20°-30°	180.9	32.9
30°-40°	123.3	22.4
40°-50°	29.4	5.3
50°-60°	4.6	0.8
60°-70°	1.7	0.3
70°-80°	0.5	0.1
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°	390.8	71.0
0°-40°	514.2	93.4
0°-60°	548.1	99.6
0°-90°	550.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	669	
5°	650	61
15°	535	149
25°	395	181
35°	197	123
45°	31	29
55°	5	5
65°	1	2
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203852

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	668.9
2.5°	665.1
5°	650.1
7.5°	630.0
10°	601.1
12.5°	568.5
15°	534.6
17.5°	499.5
20°	464.3
22.5°	429.2
25°	395.3
27.5°	363.9
30°	318.8
32.5°	259.8
35°	197.0
37.5°	140.6
40°	92.9
42.5°	57.7
45°	31.4
47.5°	16.3
50°	8.8
52.5°	6.3
55°	5.0
57.5°	3.8
60°	2.5
62.5°	2.5
65°	1.3
67.5°	1.3
70°	1.3
72.5°	1.3
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)