

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: P204470

Luminaire Tested: **LSR6B15D010BZ EC6B10209730 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204470
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 6LBSB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW 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: 1001.6 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

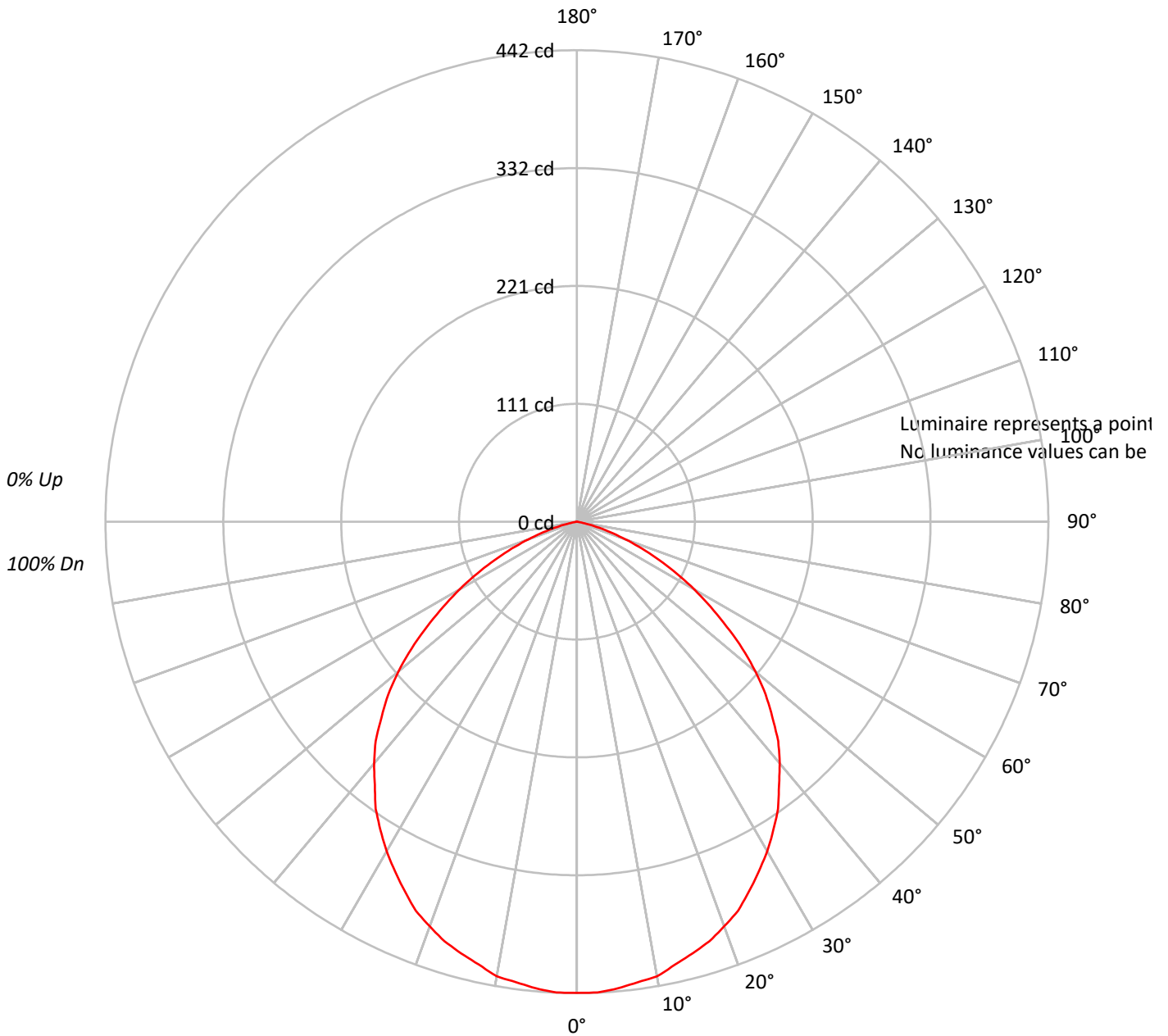
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204470

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBSB1

Luminous Intensity Polar Plot





TEST NUMBER: P204470

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBSB1

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	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88				88
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76				76
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65				65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50				50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44				44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39				39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35				35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32				32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29				29

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204470

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBSB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	4.2
10°-20°	118.3	11.8
20°-30°	176.0	17.6
30°-40°	204.8	20.4
40°-50°	199.6	19.9
50°-60°	153.5	15.3
60°-70°	84.9	8.5
70°-80°	22.5	2.2
80°-90°	0.2	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°	336.0	33.6
0°-40°	540.9	54.0
0°-60°	894.0	89.3
0°-90°	1001.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	442	
5°	439	42
15°	419	118
25°	382	176
35°	329	205
45°	259	200
55°	171	154
65°	85	85
75°	19	22
85°	0	0
90°	0	



TEST NUMBER: P204470

CATALOG NUMBER: LSR6B15D010BZ EC6B10209730 6LBSB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	441.8
2.5°	441.8
5°	439.3
7.5°	435.5
10°	432.9
12.5°	425.3
15°	419.0
17.5°	412.6
20°	403.7
22.5°	394.9
25°	382.2
27.5°	369.5
30°	356.8
32.5°	342.8
35°	328.8
37.5°	311.1
40°	295.8
42.5°	279.3
45°	259.0
47.5°	240.0
50°	218.4
52.5°	195.5
55°	171.4
57.5°	148.5
60°	127.0
62.5°	105.4
65°	85.1
67.5°	66.0
70°	48.2
72.5°	33.0
75°	19.0
77.5°	8.9
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)