

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: P204877

Luminaire Tested: **LSR6B15D010BZ EC6B10209024 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204877
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 EC6B10209024 6LBCSMB1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH CAST MATTE 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: 983.5 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

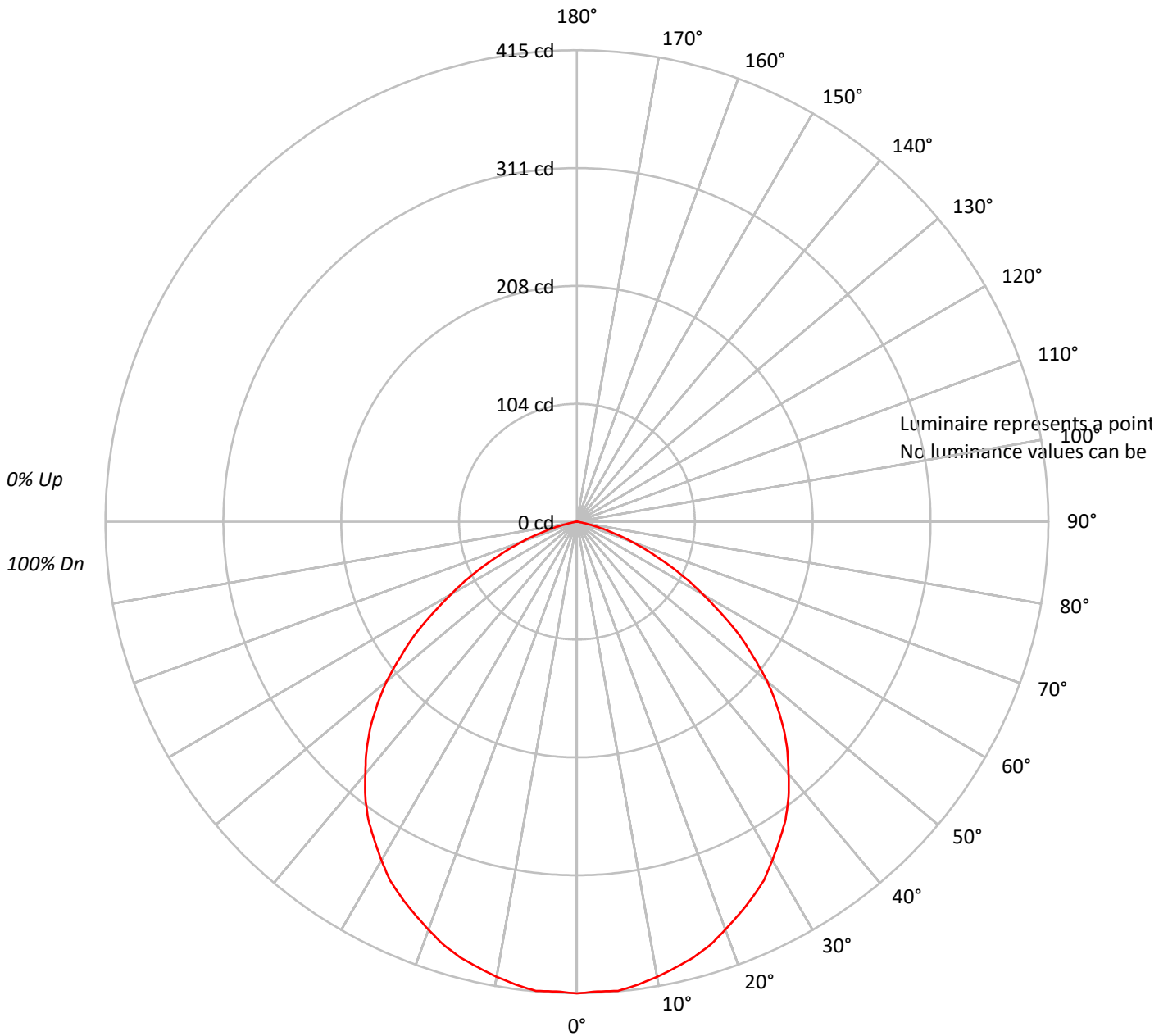
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204877

CATALOG NUMBER: LSR6B15D010BZ EC6B10209024 6LBCSMB1

Luminous Intensity Polar Plot





TEST NUMBER: P204877

CATALOG NUMBER: LSR6B15D010BZ EC6B10209024 6LBCSMB1

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	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	104	101	98	100	98	95	96	94	92	93	91	90	88						88													
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75						75													
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65						65													
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56						56													
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49						49													
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43						43													
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39						39													
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35						35													
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31						31													
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28						28													

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204877

CATALOG NUMBER: LSR6B15D010BZ EC6B10209024 6LBCSMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	4.0
10°-20°	111.9	11.4
20°-30°	168.2	17.1
30°-40°	199.6	20.3
40°-50°	197.5	20.1
50°-60°	155.2	15.8
60°-70°	87.0	8.8
70°-80°	24.4	2.5
80°-90°	0.4	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°	319.4	32.5
0°-40°	519.0	52.8
0°-60°	871.7	88.6
0°-90°	983.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	415	
5°	415	39
15°	397	112
25°	365	168
35°	320	200
45°	257	198
55°	175	155
65°	87	87
75°	21	24
85°	0	0
90°	0	



TEST NUMBER: P204877

CATALOG NUMBER: LSR6B15D010BZ EC6B10209024 6LBCSMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	415.3
2.5°	413.9
5°	414.6
7.5°	411.1
10°	406.8
12.5°	401.9
15°	397.0
17.5°	390.6
20°	382.1
22.5°	373.7
25°	365.2
27.5°	356.1
30°	344.1
32.5°	332.1
35°	320.1
37.5°	306.0
40°	289.8
42.5°	274.3
45°	257.3
47.5°	238.3
50°	218.6
52.5°	196.0
55°	174.9
57.5°	150.9
60°	128.3
62.5°	107.9
65°	86.7
67.5°	68.4
70°	50.8
72.5°	34.5
75°	21.2
77.5°	10.6
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)