

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: P35122

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBWGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35122  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBWGPH1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 581.2 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

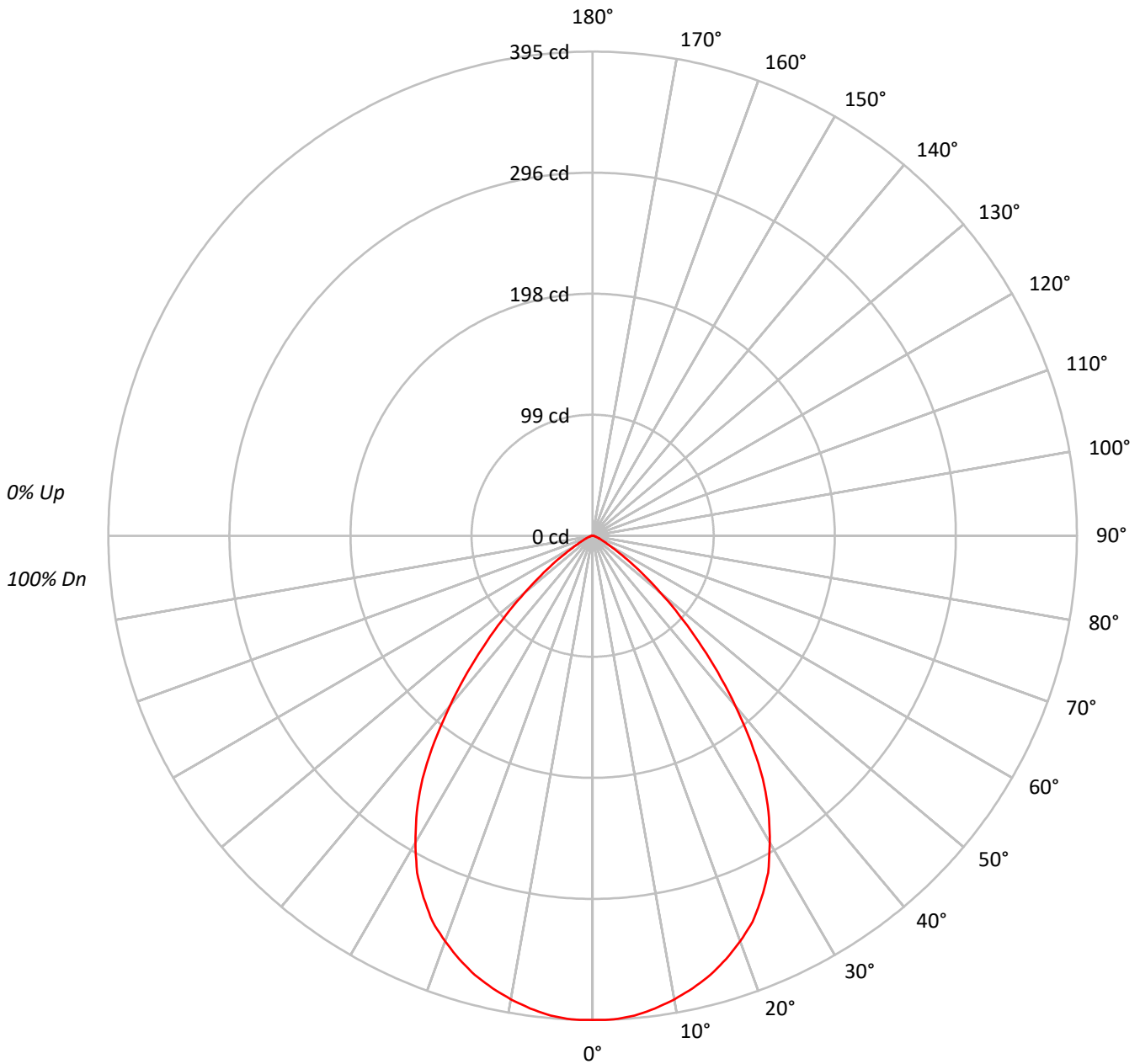
Input Watts (W): 9.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P35122

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBWGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P35122

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBWGPH1

**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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																			
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74																			
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67																			
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61																			
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56																			
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51																			
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47																			
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43																			
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	25770
5°	25738
10°	25439
15°	25058
20°	24439
25°	23467
30°	21771
35°	19274
40°	15415
45°	11256
50°	7308
55°	4209
60°	2088
65°	1235
70°	954
75°	504
80°	376
85°	0



TEST NUMBER: P35122

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBWGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	6.4
10°-20°	104.4	18.0
20°-30°	149.3	25.7
30°-40°	148.8	25.6
40°-50°	94.8	16.3
50°-60°	34.9	6.0
60°-70°	8.7	1.5
70°-80°	2.6	0.5
80°-90°	0.4	0.1
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°	290.9	50.0
0°-40°	439.7	75.7
0°-60°	569.4	98.0
0°-90°	581.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	395	
5°	393	37
15°	371	104
25°	326	149
35°	242	149
45°	122	95
55°	37	35
65°	8	9
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P35122

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBWGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	395
2.5°	395
5°	393
7.5°	389
10°	384
12.5°	378
15°	371
17.5°	362
20°	352
22.5°	341
25°	326
27.5°	310
30°	289
32.5°	267
35°	242
37.5°	212
40°	181
42.5°	151
45°	122
47.5°	96
50°	72
52.5°	53
55°	37
57.5°	24
60°	16
62.5°	11
65°	8
67.5°	6
70°	5
72.5°	3
75°	2
77.5°	2
80°	1
82.5°	1
85°	0
87.5°	0
90°	0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)