

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: P35129

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBMMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35129  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBMMW1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH MATTE WHITE 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: 725.0 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

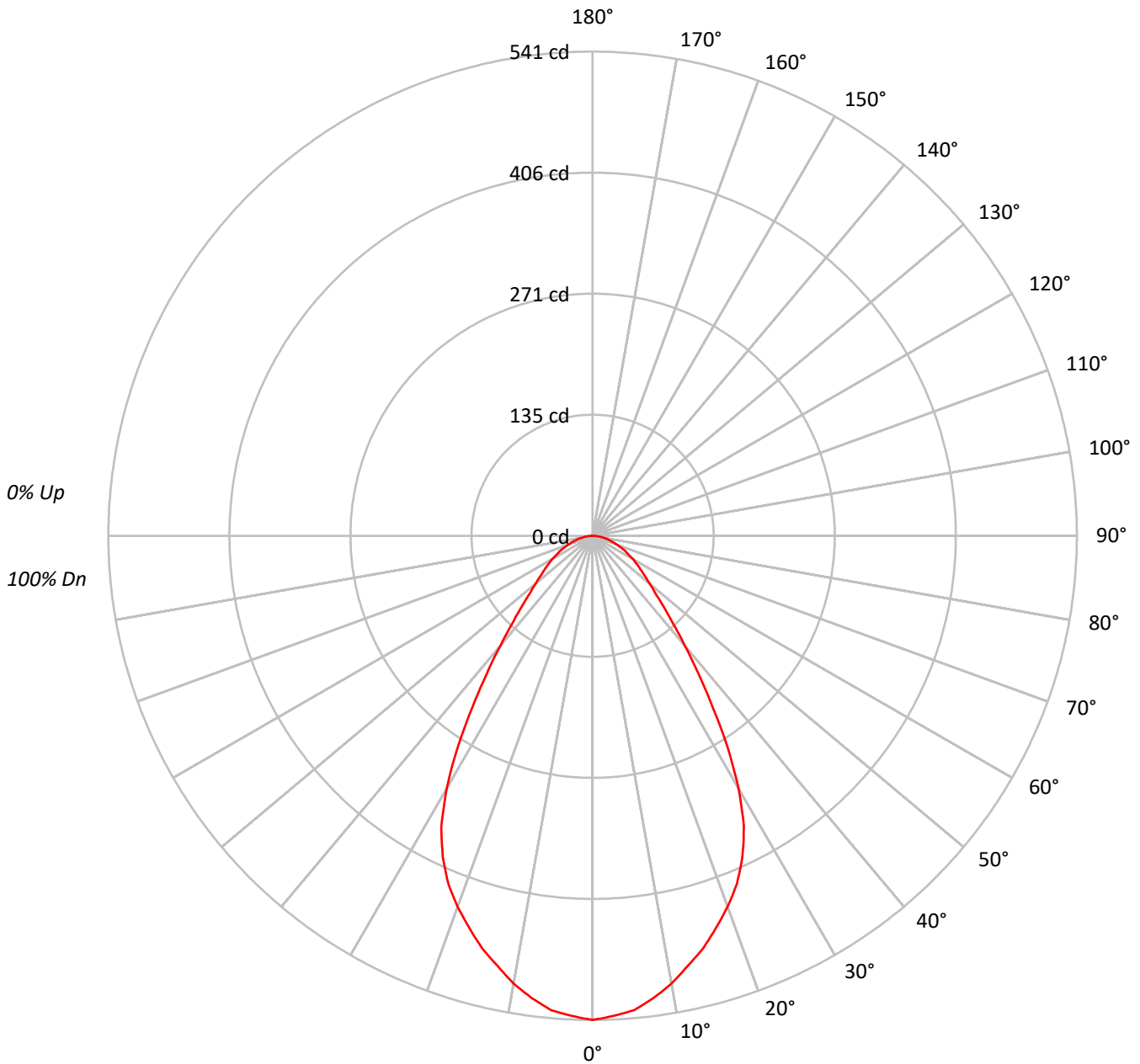
Input Watts (W): 9.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P35129

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBMMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P35129

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBMMW1

**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
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

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

	0°
0°	35295
5°	34841
10°	33654
15°	32218
20°	30618
25°	28506
30°	24559
35°	18637
40°	13626
45°	10334
50°	8424
55°	7393
60°	6785
65°	6175
70°	5532
75°	5041
80°	4508
85°	3743



TEST NUMBER: P35129

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBMMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.0	6.9
10°-20°	133.9	18.5
20°-30°	179.7	24.8
30°-40°	147.4	20.3
40°-50°	88.5	12.2
50°-60°	58.8	8.1
60°-70°	39.4	5.4
70°-80°	21.2	2.9
80°-90°	6.0	0.8
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°	363.6	50.1
0°-40°	511.0	70.5
0°-60°	658.4	90.8
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	541	
5°	532	50
15°	477	134
25°	396	180
35°	234	147
45°	112	89
55°	65	59
65°	40	39
75°	20	21
85°	5	6
90°	0	



TEST NUMBER: P35129

CATALOG NUMBER: LSR6B10D010BZ EC6B10209027 6LBMMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	541
2.5°	537
5°	532
7.5°	521
10°	508
12.5°	492
15°	477
17.5°	459
20°	441
22.5°	421
25°	396
27.5°	366
30°	326
32.5°	281
35°	234
37.5°	194
40°	160
42.5°	133
45°	112
47.5°	95
50°	83
52.5°	73
55°	65
57.5°	58
60°	52
62.5°	45
65°	40
67.5°	34
70°	29
72.5°	24
75°	20
77.5°	16
80°	12
82.5°	9
85°	5
87.5°	2
90°	0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)