

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: P35151

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBMLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35151  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBMLI1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR 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: 781.5 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

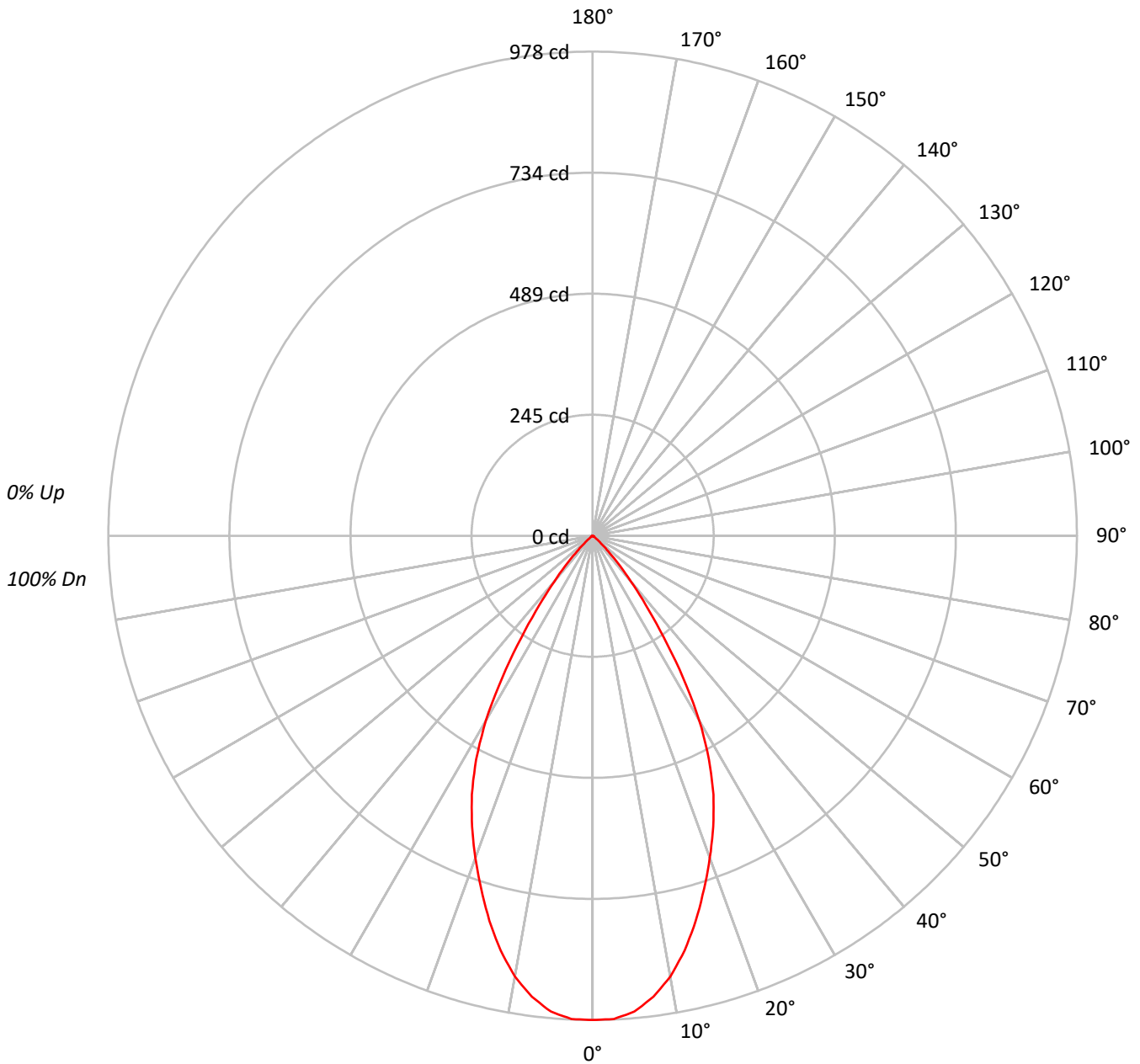
Input Watts (W): 9.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94																												
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88																												
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82																												
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76																												
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71																												
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67																												
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63																												
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59																												
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																												
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52																												

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

	0°
0°	63805
5°	63198
10°	59887
15°	54371
20°	48044
25°	41535
30°	32469
35°	19911
40°	10220
45°	4060
50°	1319
55°	455
60°	391
65°	309
70°	191
75°	252
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	11.5
10°-20°	224.3	28.7
20°-30°	260.7	33.4
30°-40°	159.7	20.4
40°-50°	39.7	5.1
50°-60°	4.6	0.6
60°-70°	1.7	0.2
70°-80°	0.7	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°	575.1	73.6
0°-40°	734.8	94.0
0°-60°	779.1	99.7
0°-90°	781.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	978	
5°	965	90
15°	805	224
25°	577	261
35°	250	160
45°	44	40
55°	4	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	978
2.5°	977
5°	965
7.5°	939
10°	904
12.5°	858
15°	805
17.5°	748
20°	692
22.5°	636
25°	577
27.5°	509
30°	431
32.5°	340
35°	250
37.5°	176
40°	120
42.5°	75
45°	44
47.5°	25
50°	13
52.5°	6
55°	4
57.5°	3
60°	3
62.5°	2
65°	2
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)