

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: P205223

Luminaire Tested: **LSR6B40D010BZ EC6B30509035 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205223  
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: LSR6B40D010BZ EC6B30509035 6LBWL1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3656.9 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

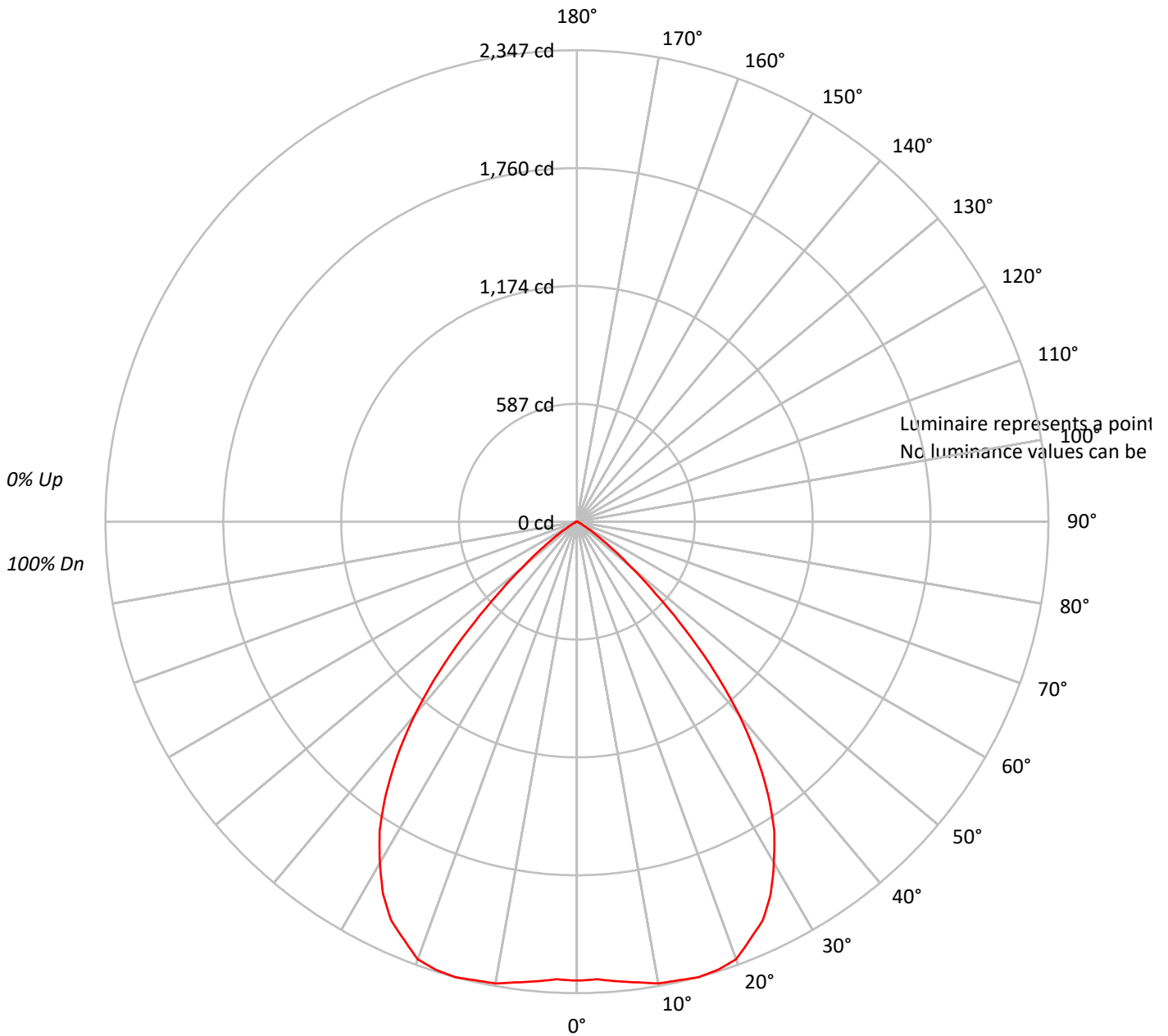
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205223

CATALOG NUMBER: LSR6B40D010BZ EC6B30509035 6LBWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P205223

CATALOG NUMBER: LSR6B40D010BZ EC6B30509035 6LBWLI1

**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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41				41

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





TEST NUMBER: P205223

CATALOG NUMBER: LSR6B40D010BZ EC6B30509035 6LBWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.4	6.0
10°-20°	662.4	18.1
20°-30°	998.6	27.3
30°-40°	1022.1	27.9
40°-50°	595.5	16.3
50°-60°	136.8	3.7
60°-70°	16.8	0.5
70°-80°	4.3	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°	1881.4	51.4
0°-40°	2903.5	79.4
0°-60°	3635.8	99.4
0°-90°	3656.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3656.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2285	
5°	2297	220
15°	2347	662
25°	2189	999
35°	1658	1022
45°	767	595
55°	133	137
65°	12	17
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P205223

CATALOG NUMBER: LSR6B40D010BZ EC6B30509035 6LBWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2284.6
2.5°	2280.4
5°	2297.0
7.5°	2313.6
10°	2334.3
12.5°	2338.5
15°	2346.8
17.5°	2338.5
20°	2317.7
22.5°	2251.4
25°	2189.2
27.5°	2089.7
30°	1961.2
32.5°	1828.5
35°	1658.5
37.5°	1467.8
40°	1256.3
42.5°	1020.0
45°	767.1
47.5°	534.9
50°	352.4
52.5°	223.9
55°	132.7
57.5°	70.5
60°	37.3
62.5°	20.7
65°	12.4
67.5°	12.4
70°	8.3
72.5°	4.1
75°	4.1
77.5°	4.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)