

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: P203167

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203167  
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 EC6B30509040 6LBWMW1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH MATTE WHITE 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: 3426.4 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

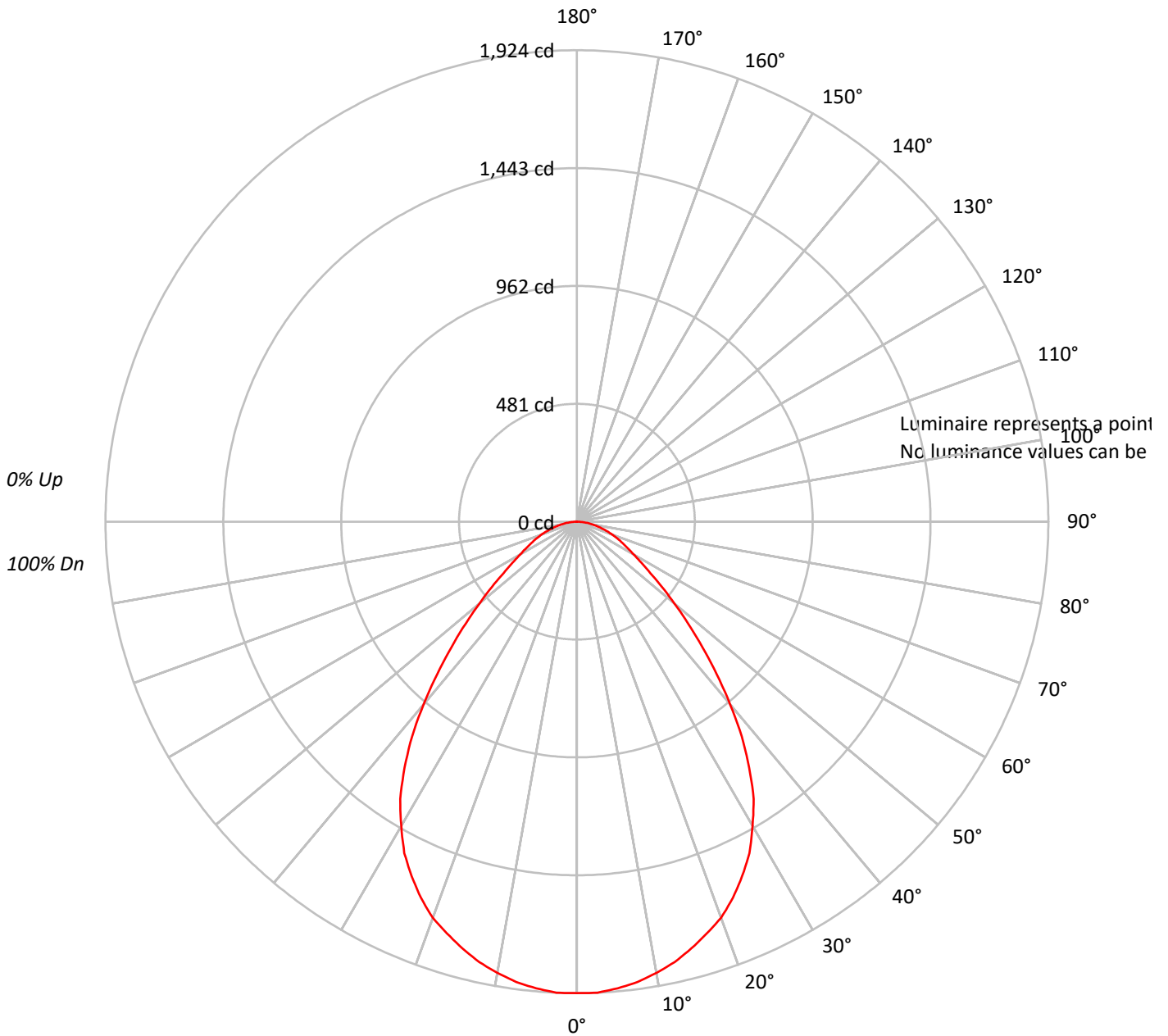
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203167

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBWMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P203167

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBWMW1

**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			
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			

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





TEST NUMBER: P203167

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBWMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.2	5.3
10°-20°	508.2	14.8
20°-30°	732.2	21.4
30°-40°	760.2	22.2
40°-50°	562.0	16.4
50°-60°	335.7	9.8
60°-70°	204.0	6.0
70°-80°	111.7	3.3
80°-90°	31.1	0.9
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°	1421.6	41.5
0°-40°	2181.8	63.7
0°-60°	3079.5	89.9
0°-90°	3426.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3426.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1924	
5°	1912	181
15°	1804	508
25°	1596	732
35°	1226	760
45°	723	562
55°	366	336
65°	204	204
75°	104	112
85°	25	31
90°	0	



TEST NUMBER: P203167

CATALOG NUMBER: LSR6B40D010BZ EC6B30509040 6LBWMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1924.1
2.5°	1924.1
5°	1911.7
7.5°	1895.0
10°	1870.1
12.5°	1841.0
15°	1803.6
17.5°	1762.0
20°	1720.5
22.5°	1662.3
25°	1595.8
27.5°	1525.2
30°	1433.7
32.5°	1342.3
35°	1226.0
37.5°	1105.4
40°	972.5
42.5°	843.6
45°	723.1
47.5°	615.1
50°	519.5
52.5°	436.4
55°	365.7
57.5°	311.7
60°	266.0
62.5°	232.7
65°	203.6
67.5°	178.7
70°	153.8
72.5°	128.8
75°	103.9
77.5°	83.1
80°	62.3
82.5°	45.7
85°	24.9
87.5°	12.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)