

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: P205419

Luminaire Tested: **LSR6B40D010BZ EC6B30508027 6LBSLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205419  
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 EC6B30508027 6LBSL11  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW 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: 4308.4 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

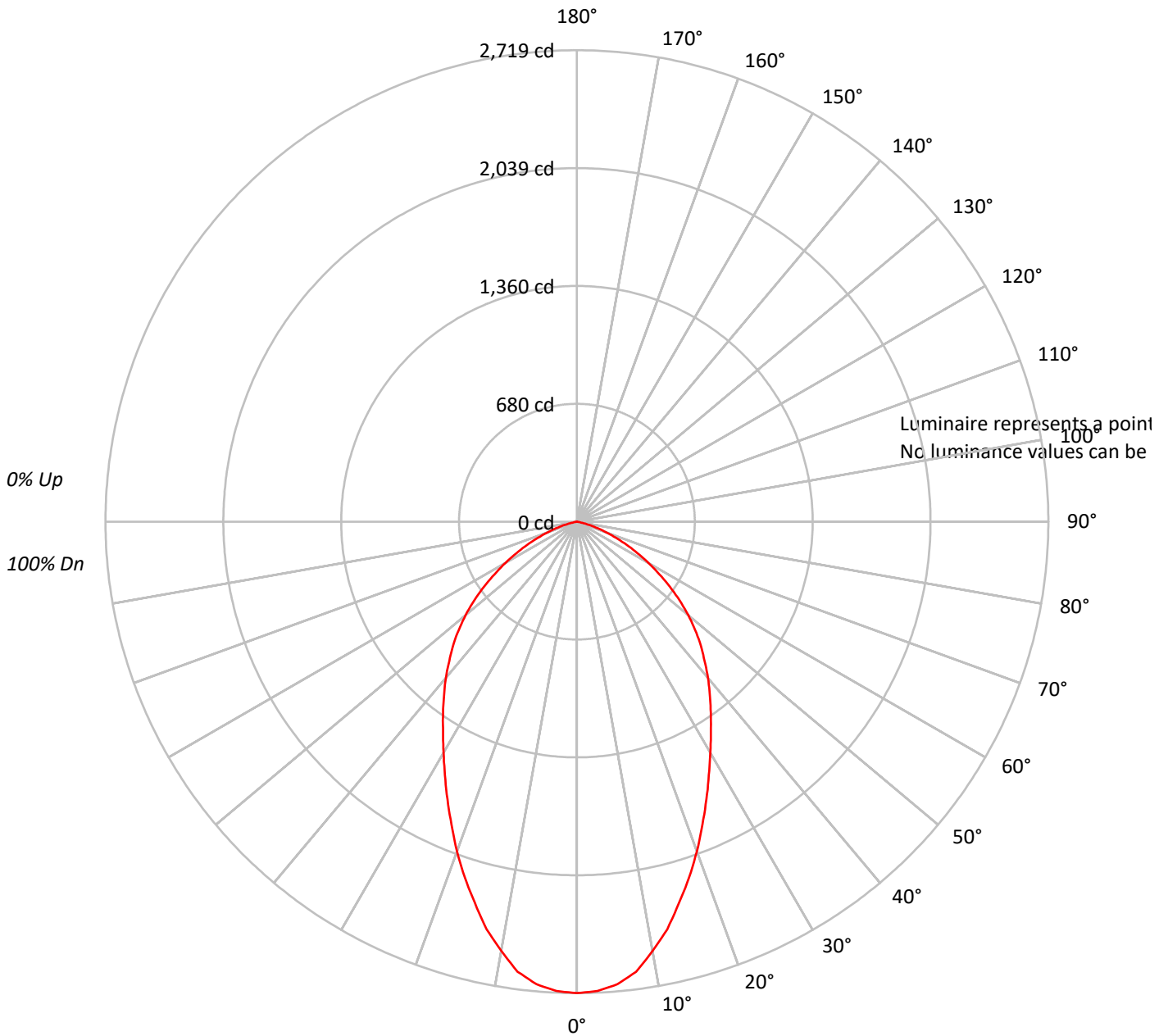
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205419

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBSLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205419

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBSLI1

**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	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

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





TEST NUMBER: P205419

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBSLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.5	5.8
10°-20°	637.8	14.8
20°-30°	813.3	18.9
30°-40°	843.5	19.6
40°-50°	777.2	18.0
50°-60°	584.6	13.6
60°-70°	315.6	7.3
70°-80°	84.7	2.0
80°-90°	1.2	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°	1701.7	39.5
0°-40°	2545.1	59.1
0°-60°	3906.9	90.7
0°-90°	4308.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4308.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2719	
5°	2678	251
15°	2275	638
25°	1767	813
35°	1346	843
45°	1012	777
55°	654	585
65°	316	316
75°	73	85
85°	0	1
90°	0	



TEST NUMBER: P205419

CATALOG NUMBER: LSR6B40D010BZ EC6B30508027 6LBSLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2718.8
2.5°	2709.7
5°	2677.6
7.5°	2618.1
10°	2512.8
12.5°	2407.6
15°	2274.8
17.5°	2151.3
20°	2023.1
22.5°	1890.4
25°	1766.8
27.5°	1647.8
30°	1537.9
32.5°	1437.2
35°	1345.7
37.5°	1258.7
40°	1176.3
42.5°	1089.4
45°	1011.5
47.5°	924.6
50°	837.6
52.5°	746.1
55°	654.5
57.5°	563.0
60°	476.0
62.5°	393.6
65°	315.8
67.5°	242.6
70°	178.5
72.5°	123.6
75°	73.2
77.5°	32.0
80°	9.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)