

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: P205422

Luminaire Tested: **LSR6B40D010BZ EC6B30508040 6LBSLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205422  
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 EC6B30508040 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: 4665.4 lumens  
Efficiency: N/A  
Efficacy: 111.6 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

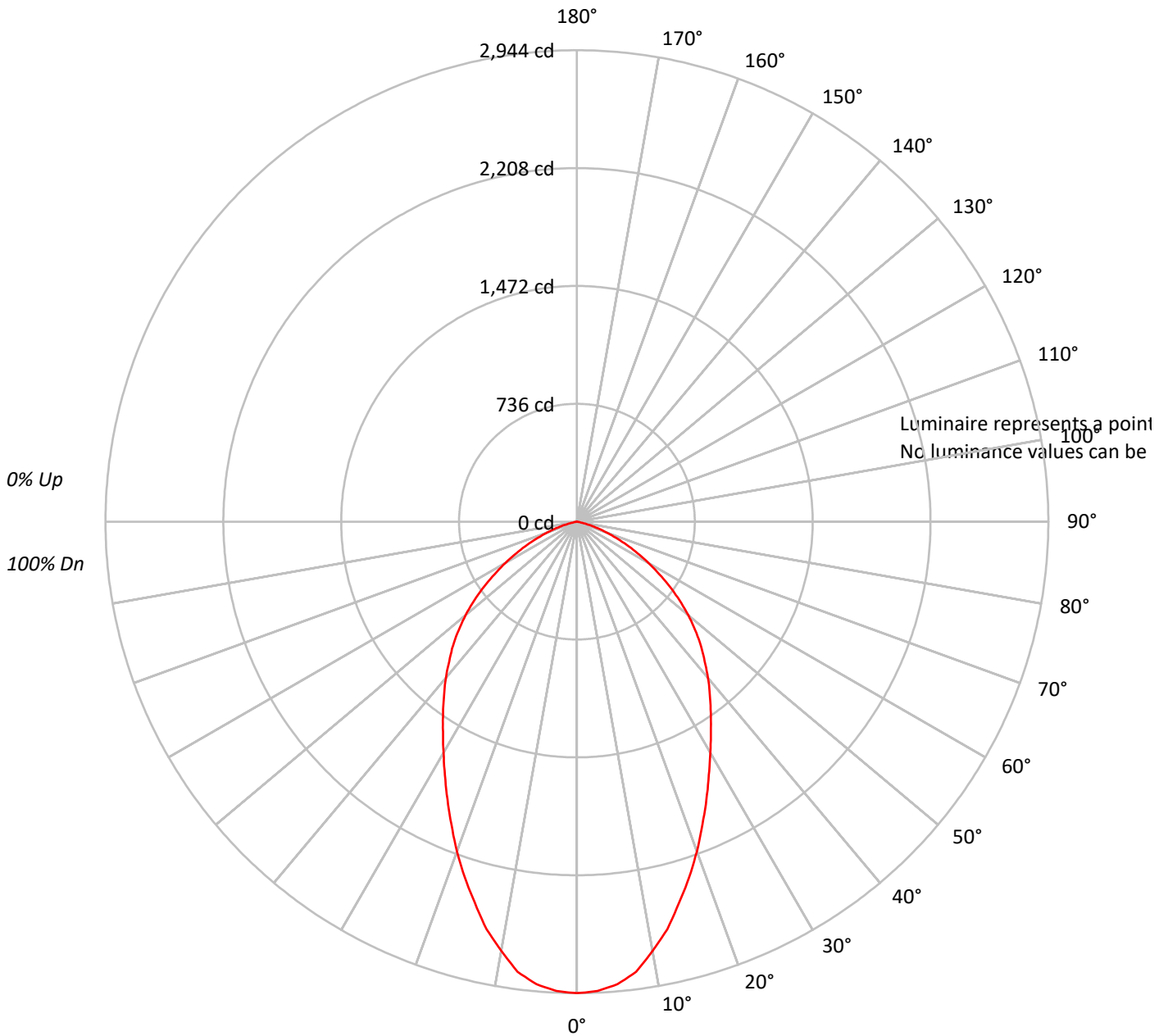
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205422

CATALOG NUMBER: LSR6B40D010BZ EC6B30508040 6LBSLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205422

CATALOG NUMBER: LSR6B40D010BZ EC6B30508040 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
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: P205422

CATALOG NUMBER: LSR6B40D010BZ EC6B30508040 6LBSLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.3	5.8
10°-20°	690.6	14.8
20°-30°	880.7	18.9
30°-40°	913.4	19.6
40°-50°	841.6	18.0
50°-60°	633.1	13.6
60°-70°	341.7	7.3
70°-80°	91.7	2.0
80°-90°	1.3	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°	1842.6	39.5
0°-40°	2756.0	59.1
0°-60°	4230.7	90.7
0°-90°	4665.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4665.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2944	
5°	2900	271
15°	2463	691
25°	1913	881
35°	1457	913
45°	1095	842
55°	709	633
65°	342	342
75°	79	92
85°	0	1
90°	0	



TEST NUMBER: P205422

CATALOG NUMBER: LSR6B40D010BZ EC6B30508040 6LBSLI1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2944.1
2.5°	2934.2
5°	2899.5
7.5°	2835.0
10°	2721.0
12.5°	2607.0
15°	2463.3
17.5°	2329.5
20°	2190.7
22.5°	2047.0
25°	1913.2
27.5°	1784.3
30°	1665.3
32.5°	1556.3
35°	1457.2
37.5°	1363.0
40°	1273.8
42.5°	1179.6
45°	1095.4
47.5°	1001.2
50°	907.0
52.5°	807.9
55°	708.8
57.5°	609.6
60°	515.5
62.5°	426.2
65°	342.0
67.5°	262.7
70°	193.3
72.5°	133.8
75°	79.3
77.5°	34.7
80°	9.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)