

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: P205203

Luminaire Tested: **LSR6B30D010BZ EC6B30508027 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205203  
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: LSR6B30D010BZ EC6B30508027 6LBWL1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2856.4 lumens  
Efficiency: N/A  
Efficacy: 102.0 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

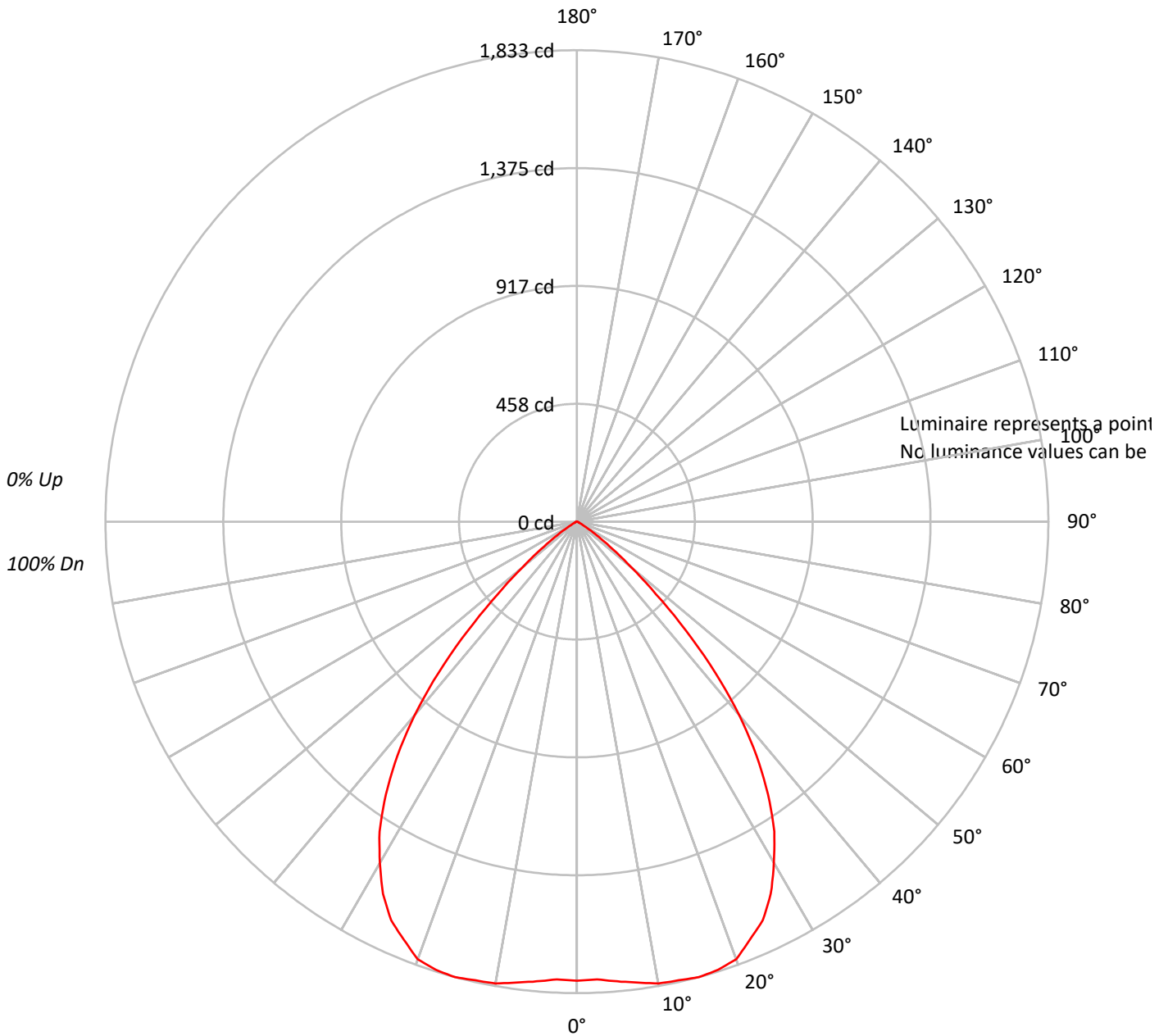
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205203

CATALOG NUMBER: LSR6B30D010BZ EC6B30508027 6LBWLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205203

CATALOG NUMBER: LSR6B30D010BZ EC6B30508027 6LBWLI1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	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: P205203

CATALOG NUMBER: LSR6B30D010BZ EC6B30508027 6LBWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.2	6.0
10°-20°	517.4	18.1
20°-30°	780.0	27.3
30°-40°	798.4	27.9
40°-50°	465.1	16.3
50°-60°	106.9	3.7
60°-70°	13.1	0.5
70°-80°	3.4	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°	1469.6	51.4
0°-40°	2267.9	79.4
0°-60°	2839.9	99.4
0°-90°	2856.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2856.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1784	
5°	1794	172
15°	1833	517
25°	1710	780
35°	1295	798
45°	599	465
55°	104	107
65°	10	13
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P205203

CATALOG NUMBER: LSR6B30D010BZ EC6B30508027 6LBWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1784.5
2.5°	1781.2
5°	1794.2
7.5°	1807.1
10°	1823.3
12.5°	1826.6
15°	1833.0
17.5°	1826.6
20°	1810.4
22.5°	1758.6
25°	1710.0
27.5°	1632.3
30°	1531.9
32.5°	1428.2
35°	1295.4
37.5°	1146.5
40°	981.3
42.5°	796.7
45°	599.1
47.5°	417.8
50°	275.3
52.5°	174.9
55°	103.6
57.5°	55.1
60°	29.1
62.5°	16.2
65°	9.7
67.5°	9.7
70°	6.5
72.5°	3.2
75°	3.2
77.5°	3.2
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)