

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: P203138

Luminaire Tested: **LSR6B20D010BZ EC6B10209027 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203138  
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: LSR6B20D010BZ EC6B10209027 6LBWMW1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH MATTE WHITE TRIM  
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W  
DL3-21.8 6 W DLE-22.46 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1581.8 lumens  
Efficiency: N/A  
Efficacy: 76.0 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

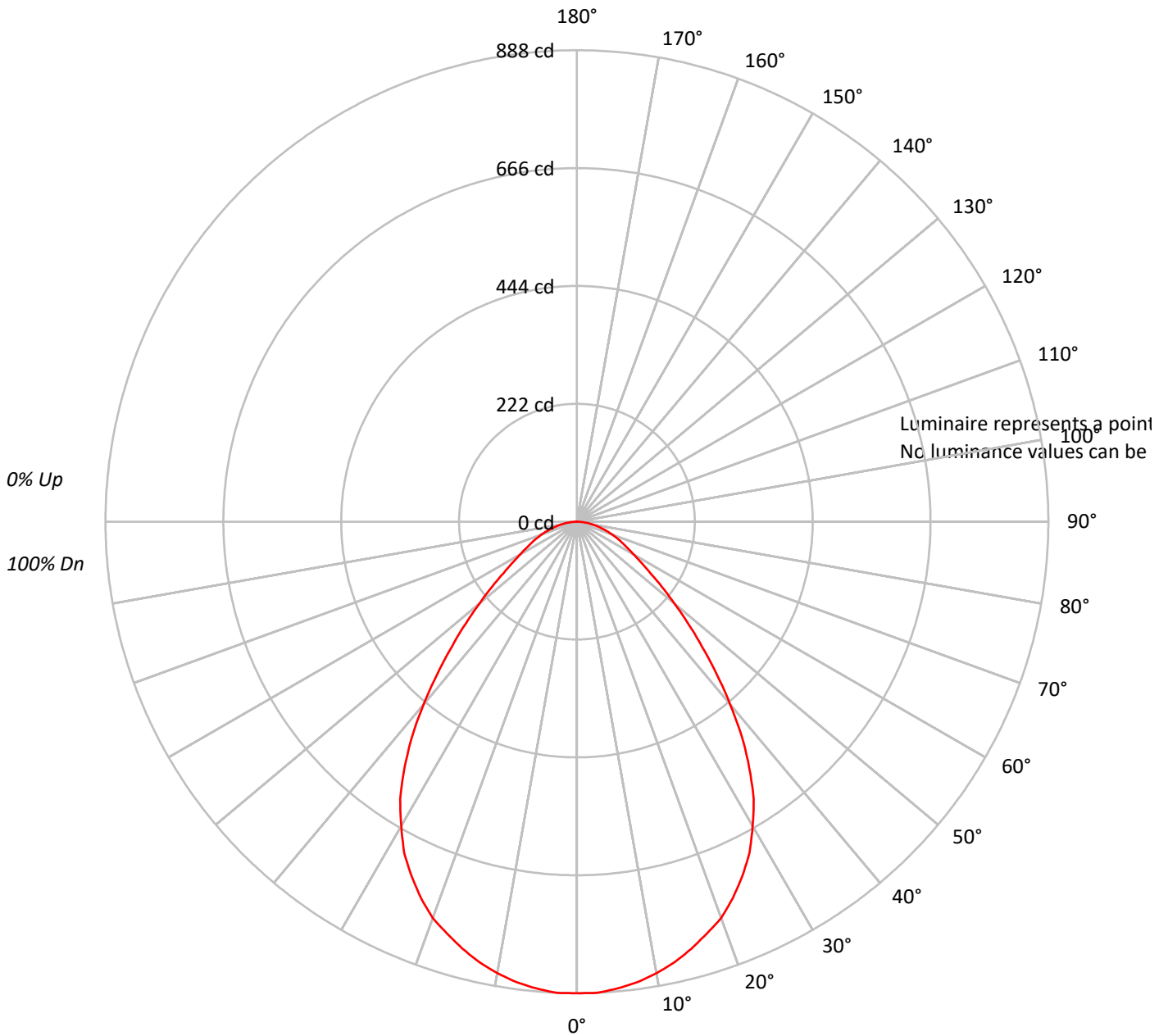
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203138

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBWMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P203138

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBWMW1

**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	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: P203138

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBWMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	5.3
10°-20°	234.6	14.8
20°-30°	338.0	21.4
30°-40°	350.9	22.2
40°-50°	259.5	16.4
50°-60°	155.0	9.8
60°-70°	94.2	6.0
70°-80°	51.6	3.3
80°-90°	14.4	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°	656.3	41.5
0°-40°	1007.2	63.7
0°-60°	1421.7	89.9
0°-90°	1581.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1581.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	888	
5°	882	84
15°	833	235
25°	737	338
35°	566	351
45°	334	259
55°	169	155
65°	94	94
75°	48	52
85°	12	14
90°	0	



TEST NUMBER: P203138

CATALOG NUMBER: LSR6B20D010BZ EC6B10209027 6LBWMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	888.3
2.5°	888.3
5°	882.5
7.5°	874.9
10°	863.4
12.5°	849.9
15°	832.7
17.5°	813.5
20°	794.3
22.5°	767.4
25°	736.7
27.5°	704.1
30°	661.9
32.5°	619.7
35°	566.0
37.5°	510.3
40°	448.9
42.5°	389.5
45°	333.8
47.5°	283.9
50°	239.8
52.5°	201.5
55°	168.8
57.5°	143.9
60°	122.8
62.5°	107.4
65°	94.0
67.5°	82.5
70°	71.0
72.5°	59.5
75°	48.0
77.5°	38.4
80°	28.8
82.5°	21.1
85°	11.5
87.5°	5.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)