

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: P203144

Luminaire Tested: **LSR6B20D010BZ EC6B10209730 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203144  
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 EC6B10209730 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: 1438.0 lumens  
Efficiency: N/A  
Efficacy: 69.1 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

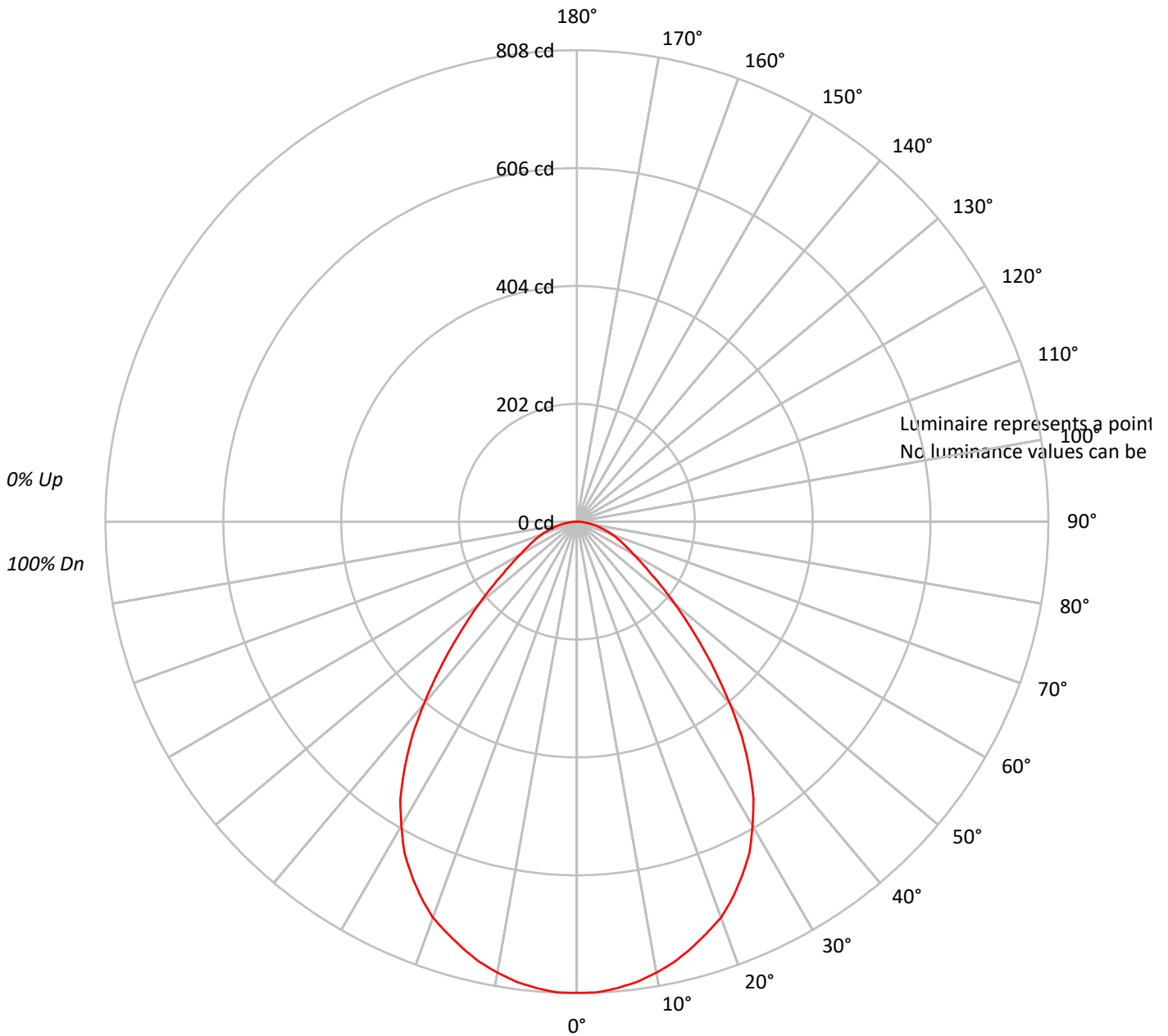
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	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):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	5.3
10°-20°	213.3	14.8
20°-30°	307.3	21.4
30°-40°	319.0	22.2
40°-50°	235.9	16.4
50°-60°	140.9	9.8
60°-70°	85.6	6.0
70°-80°	46.9	3.3
80°-90°	13.1	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°	596.6	41.5
0°-40°	915.6	63.7
0°-60°	1292.4	89.9
0°-90°	1438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	808	
5°	802	76
15°	757	213
25°	670	307
35°	514	319
45°	304	236
55°	154	141
65°	86	86
75°	44	47
85°	10	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	807.5
2.5°	807.5
5°	802.3
7.5°	795.3
10°	784.8
12.5°	772.6
15°	756.9
17.5°	739.5
20°	722.0
22.5°	697.6
25°	669.7
27.5°	640.1
30°	601.7
32.5°	563.3
35°	514.5
37.5°	463.9
40°	408.1
42.5°	354.0
45°	303.5
47.5°	258.1
50°	218.0
52.5°	183.1
55°	153.5
57.5°	130.8
60°	111.6
62.5°	97.7
65°	85.5
67.5°	75.0
70°	64.5
72.5°	54.1
75°	43.6
77.5°	34.9
80°	26.2
82.5°	19.2
85°	10.5
87.5°	5.2
90°	0.0



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— 0°-180°







(END OF REPORT)