

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: P202620

Luminaire Tested: **LSR6B20D010BZ EC6B10208040 6LBMWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202620  
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 EC6B10208040 6LBMWMH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 1656.1 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

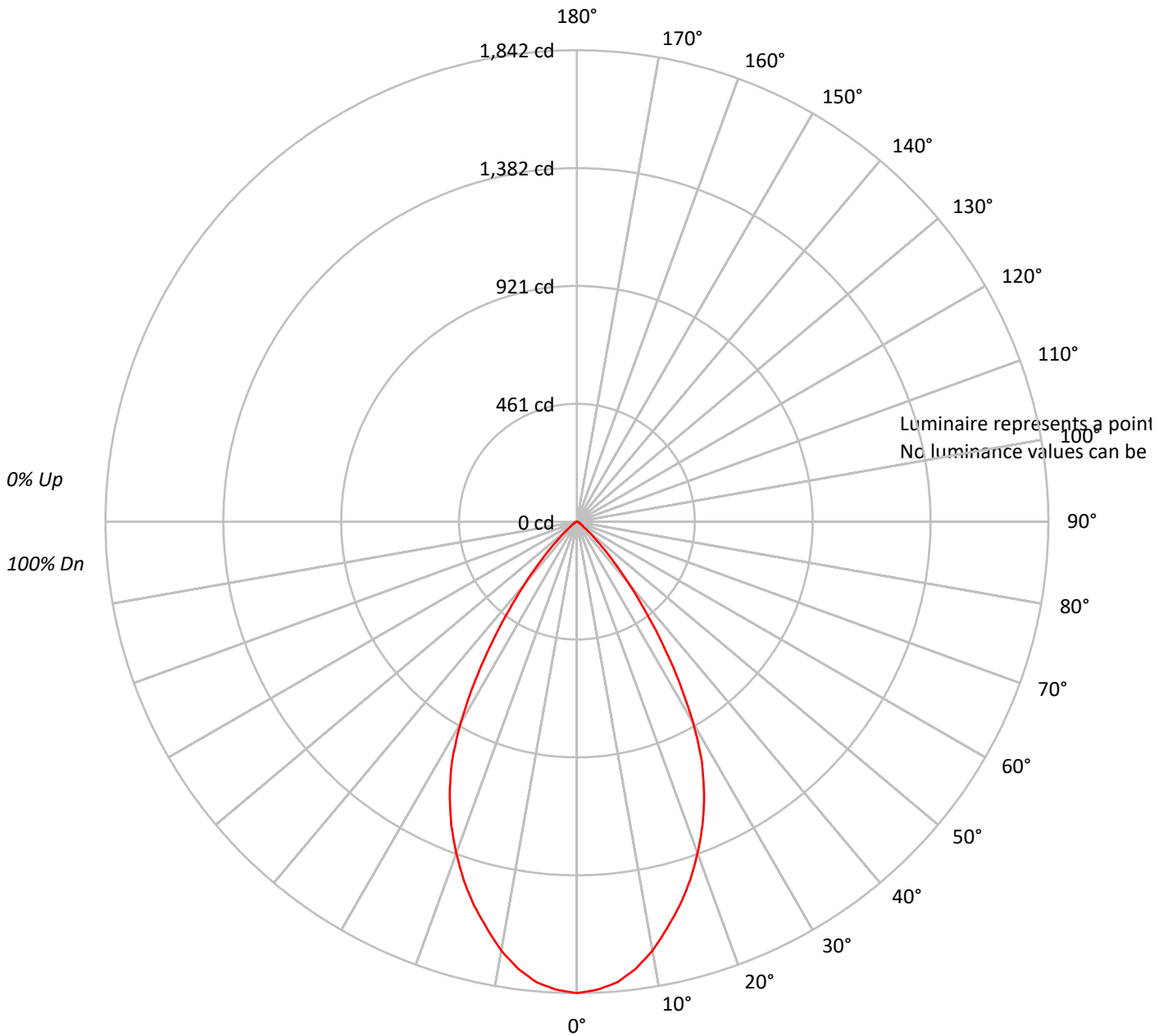
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																																				
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																																				
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																																				
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																																				
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69																																				
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64																																				
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60																																				
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																																				
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53																																				
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																																				

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.0	10.2
10°-20°	433.9	26.2
20°-30°	533.0	32.2
30°-40°	365.4	22.1
40°-50°	117.5	7.1
50°-60°	23.8	1.4
60°-70°	9.3	0.6
70°-80°	3.5	0.2
80°-90°	0.6	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°	1135.9	68.6
0°-40°	1501.4	90.7
0°-60°	1642.7	99.2
0°-90°	1656.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1656.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1842	
5°	1807	169
15°	1552	434
25°	1176	533
35°	583	365
45°	139	117
55°	24	24
65°	10	9
75°	3	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1841.7
2.5°	1830.4
5°	1806.6
7.5°	1761.6
10°	1701.2
12.5°	1626.8
15°	1552.3
17.5°	1469.4
20°	1378.1
22.5°	1282.6
25°	1175.8
27.5°	1057.8
30°	908.9
32.5°	744.5
35°	583.0
37.5°	435.5
40°	313.3
42.5°	213.5
45°	139.1
47.5°	85.7
50°	52.0
52.5°	32.3
55°	23.9
57.5°	18.3
60°	14.0
62.5°	11.2
65°	9.8
67.5°	7.0
70°	5.6
72.5°	4.2
75°	2.8
77.5°	2.8
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)