

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: P202617

Luminaire Tested: **LSR6B20D010BZ EC6B10208027 6LBMWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202617  
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 EC6B10208027 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: 1529.8 lumens  
Efficiency: N/A  
Efficacy: 73.5 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

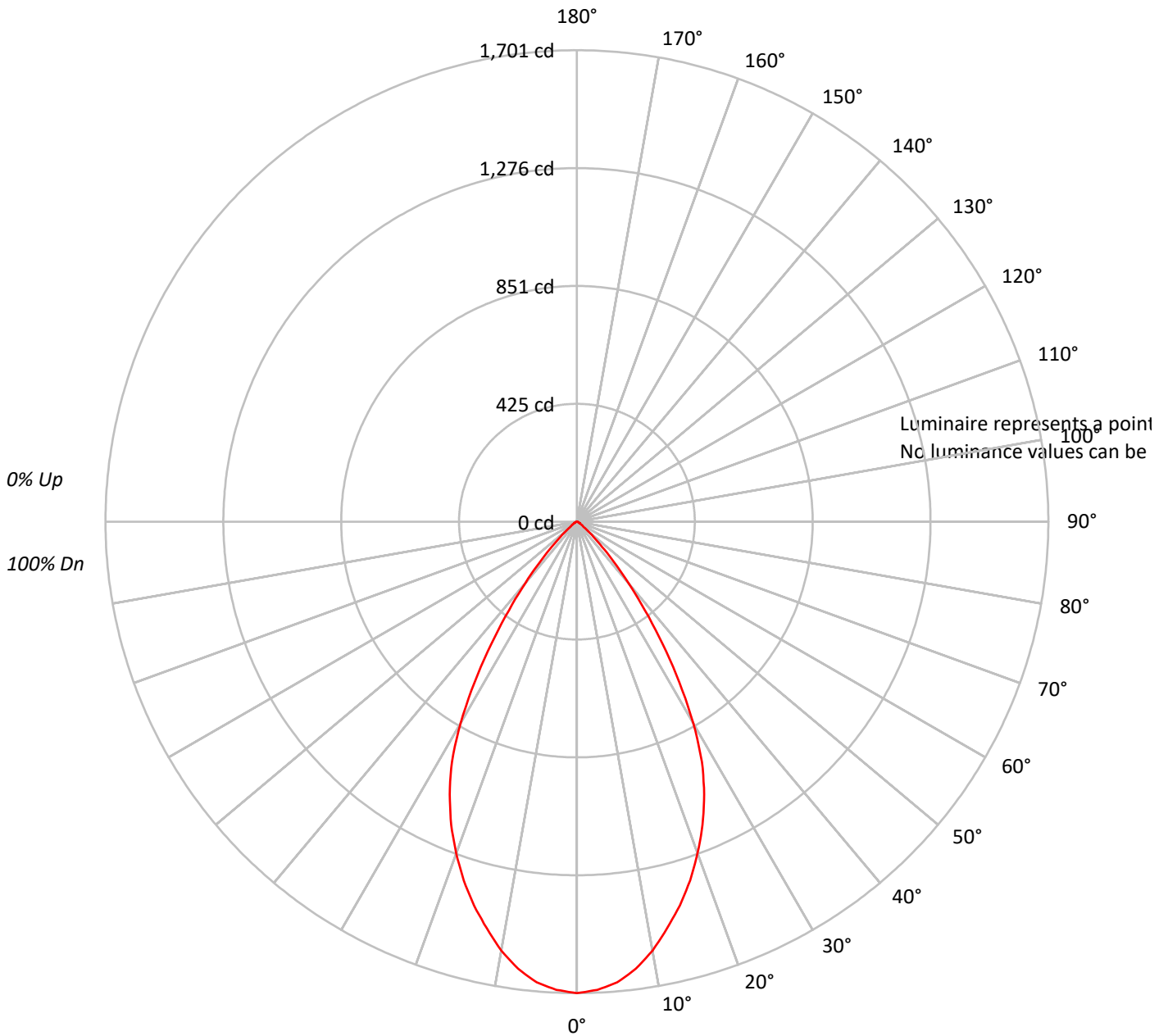
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	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	61	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°	156.1	10.2
10°-20°	400.8	26.2
20°-30°	492.3	32.2
30°-40°	337.6	22.1
40°-50°	108.5	7.1
50°-60°	22.0	1.4
60°-70°	8.7	0.6
70°-80°	3.3	0.2
80°-90°	0.5	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°	1049.3	68.6
0°-40°	1386.8	90.7
0°-60°	1517.3	99.2
0°-90°	1529.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1529.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1701	
5°	1669	156
15°	1434	401
25°	1086	492
35°	538	338
45°	128	109
55°	22	22
65°	9	9
75°	3	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1701.2
2.5°	1690.8
5°	1668.8
7.5°	1627.2
10°	1571.4
12.5°	1502.7
15°	1433.9
17.5°	1357.3
20°	1273.0
22.5°	1184.7
25°	1086.1
27.5°	977.1
30°	839.6
32.5°	687.7
35°	538.5
37.5°	402.3
40°	289.4
42.5°	197.2
45°	128.5
47.5°	79.2
50°	48.0
52.5°	29.8
55°	22.1
57.5°	16.9
60°	13.0
62.5°	10.4
65°	9.1
67.5°	6.5
70°	5.2
72.5°	3.9
75°	2.6
77.5°	2.6
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)