

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: P202695

Luminaire Tested: **LSR6B10D010BZ EC6B10208027 6LBWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202695  
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: LSR6B10D010BZ EC6B10208027 6LBWH1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 899.4 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

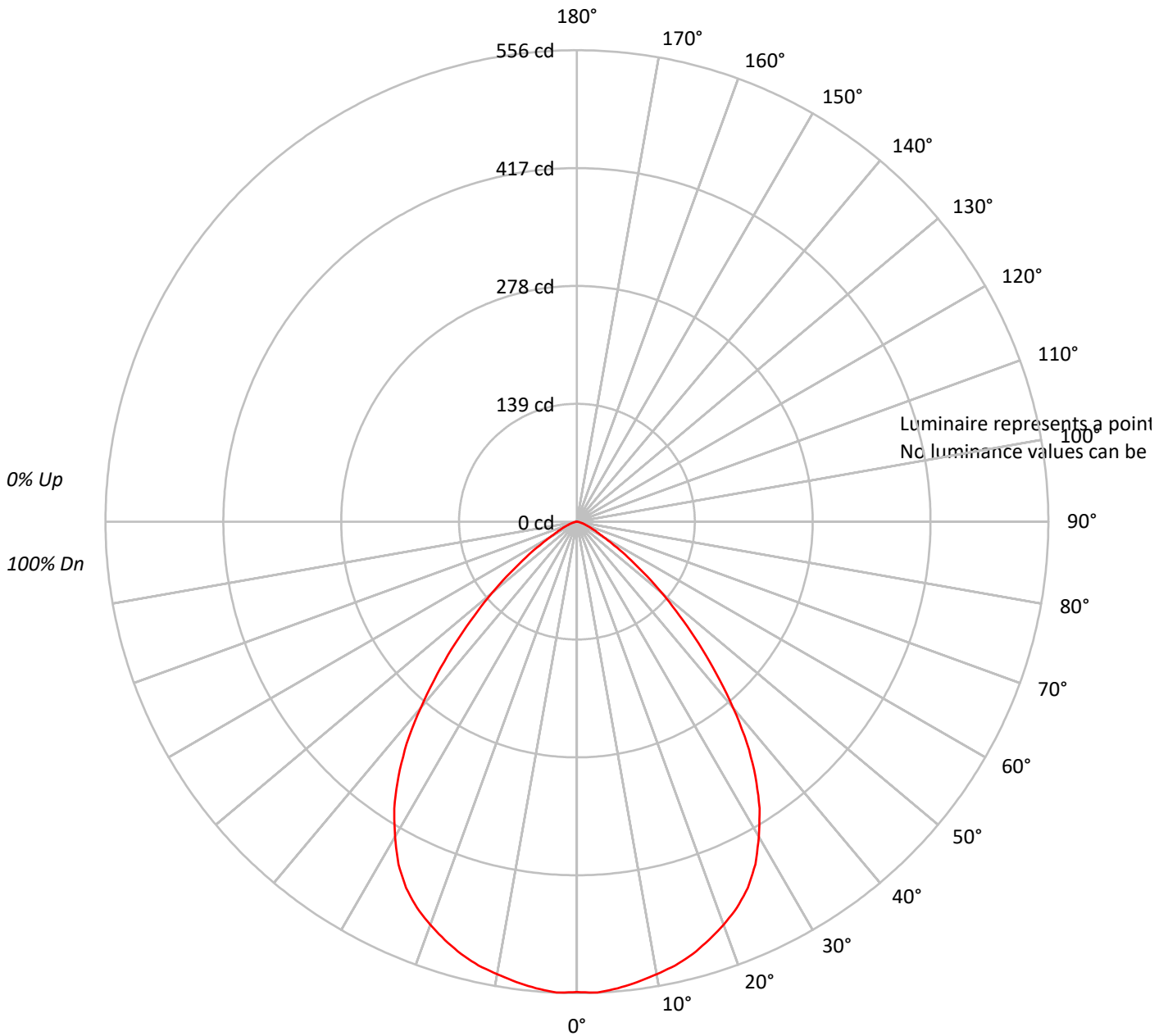
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0																			
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																												
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																												
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																												
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																												
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																												
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																												
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																												
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																												
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																												
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																												
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.4	5.8
10°-20°	148.7	16.5
20°-30°	218.0	24.2
30°-40°	226.9	25.2
40°-50°	157.0	17.5
50°-60°	68.3	7.6
60°-70°	21.0	2.3
70°-80°	6.3	0.7
80°-90°	1.0	0.1
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°	419.0	46.6
0°-40°	645.9	71.8
0°-60°	871.2	96.9
0°-90°	899.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	899.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	555	
5°	552	52
15°	528	149
25°	477	218
35°	367	227
45°	203	157
55°	73	68
65°	20	21
75°	6	6
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	554.7
2.5°	555.9
5°	552.4
7.5°	547.7
10°	541.9
12.5°	536.1
15°	527.9
17.5°	517.4
20°	505.8
22.5°	493.0
25°	476.6
27.5°	455.7
30°	428.9
32.5°	400.9
35°	367.1
37.5°	329.8
40°	286.7
42.5°	243.6
45°	202.8
47.5°	164.3
50°	130.5
52.5°	99.1
55°	73.4
57.5°	52.4
60°	36.1
62.5°	26.8
65°	19.8
67.5°	15.2
70°	10.5
72.5°	8.2
75°	5.8
77.5°	3.5
80°	2.3
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)