

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: P203356

Luminaire Tested: **LSR6B30D010BZ EC6B30509024 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203356  
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: LSR6B30D010BZ EC6B30509024 6LBMWH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH WHEAT TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1685.6 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

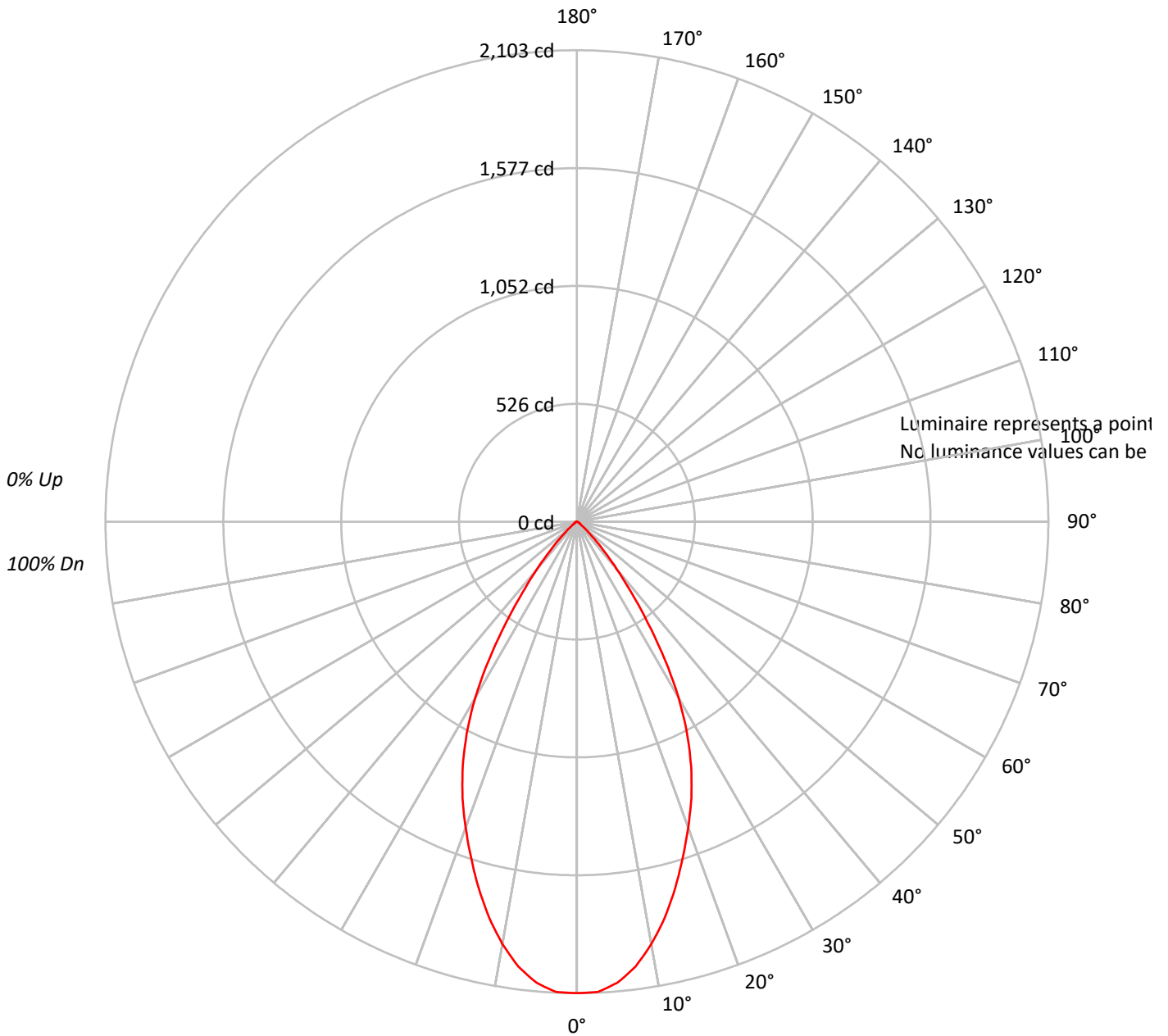
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0																								
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																																			
	1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																			
	2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																																			
	3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																			
	4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																			
	5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																																			
	6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																																			
	7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																																			
	8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																																			
	9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																																			
	10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.2	11.4
10°-20°	472.0	28.0
20°-30°	546.1	32.4
30°-40°	349.0	20.7
40°-50°	99.0	5.9
50°-60°	17.7	1.0
60°-70°	7.2	0.4
70°-80°	2.4	0.1
80°-90°	0.0	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°	1210.2	71.8
0°-40°	1559.3	92.5
0°-60°	1675.9	99.4
0°-90°	1685.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1685.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2103	
5°	2065	192
15°	1693	472
25°	1205	546
35°	551	349
45°	115	99
55°	16	18
65°	7	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2102.8
2.5°	2100.5
5°	2065.3
7.5°	2002.0
10°	1912.9
12.5°	1809.8
15°	1692.6
17.5°	1570.7
20°	1451.1
22.5°	1333.9
25°	1205.0
27.5°	1064.3
30°	907.2
32.5°	731.4
35°	550.9
37.5°	398.5
40°	276.6
42.5°	182.9
45°	114.9
47.5°	68.0
50°	39.9
52.5°	23.4
55°	16.4
57.5°	14.1
60°	11.7
62.5°	9.4
65°	7.0
67.5°	4.7
70°	4.7
72.5°	2.3
75°	2.3
77.5°	2.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)