

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: P203565

Luminaire Tested: **LSR6B30D010BZ EC6B30509035 6LBMMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203565  
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 EC6B30509035 6LBMMW1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH MATTE WHITE 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: 2053.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

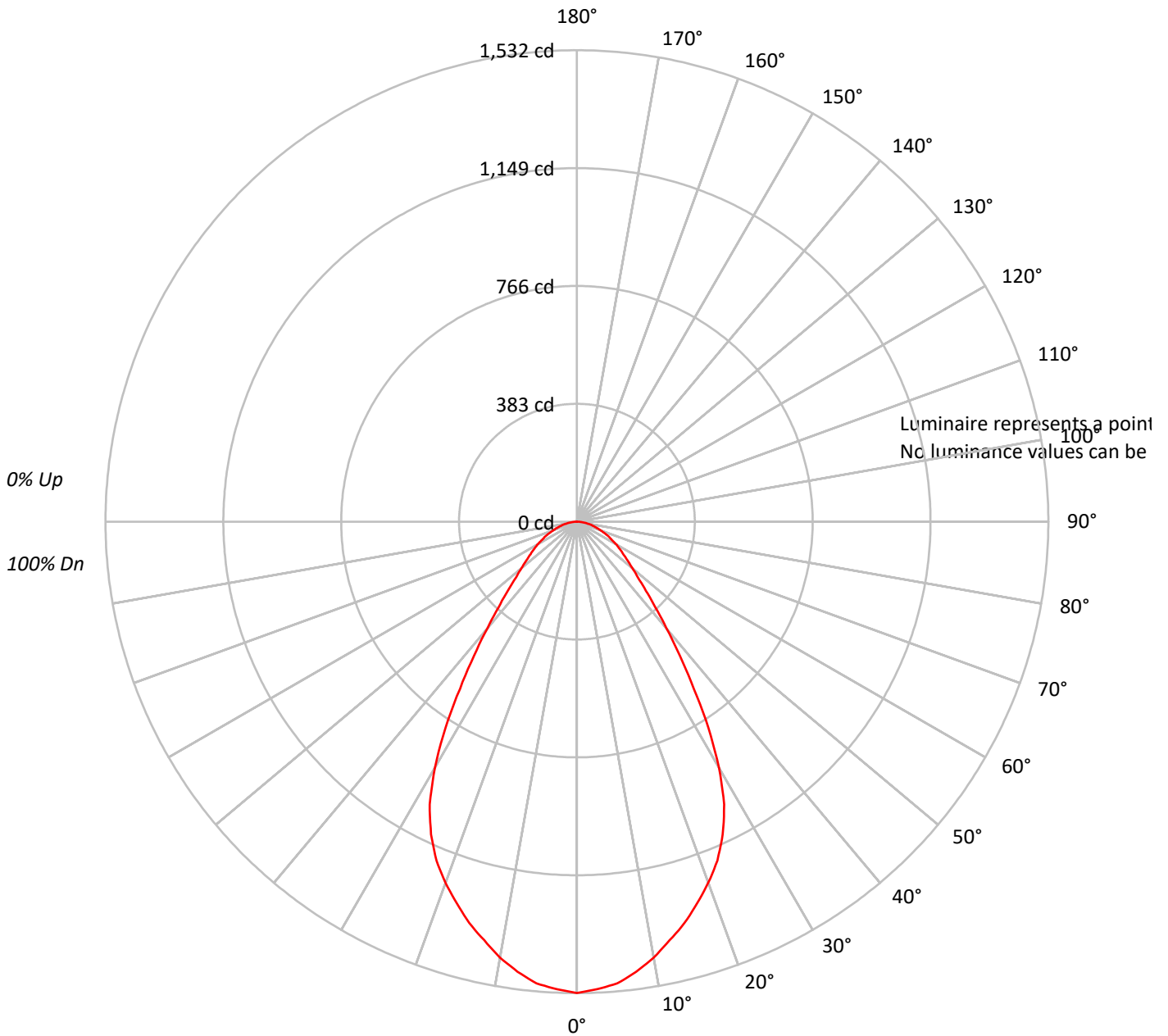
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89																			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71																			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64																			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58																			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53																			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48																			
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	48	43	53	47	43	52	47	43	51	46	43	41																			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.5	6.9
10°-20°	379.0	18.5
20°-30°	508.9	24.8
30°-40°	417.5	20.3
40°-50°	250.7	12.2
50°-60°	166.6	8.1
60°-70°	111.7	5.4
70°-80°	60.1	2.9
80°-90°	17.0	0.8
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°	1029.5	50.1
0°-40°	1446.9	70.5
0°-60°	1864.2	90.8
0°-90°	2053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2053.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1532	
5°	1506	142
15°	1351	379
25°	1121	509
35°	663	417
45°	317	251
55°	184	167
65°	113	112
75°	57	60
85°	14	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1531.8
2.5°	1520.5
5°	1506.3
7.5°	1475.2
10°	1438.4
12.5°	1393.1
15°	1350.6
17.5°	1299.7
20°	1248.7
22.5°	1192.1
25°	1121.3
27.5°	1036.3
30°	923.1
32.5°	795.6
35°	662.6
37.5°	549.3
40°	453.0
42.5°	376.6
45°	317.1
47.5°	269.0
50°	235.0
52.5°	206.7
55°	184.0
57.5°	164.2
60°	147.2
62.5°	127.4
65°	113.3
67.5°	96.3
70°	82.1
72.5°	68.0
75°	56.6
77.5°	45.3
80°	34.0
82.5°	25.5
85°	14.2
87.5°	5.7
90°	0.0



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— 0°-180°







(END OF REPORT)