

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: P205478

Luminaire Tested: **LSR6B10D010BZ EC6B10209035 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205478  
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 EC6B10209035 6LBMGPH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 514.1 lumens  
Efficiency: N/A  
Efficacy: 51.9 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

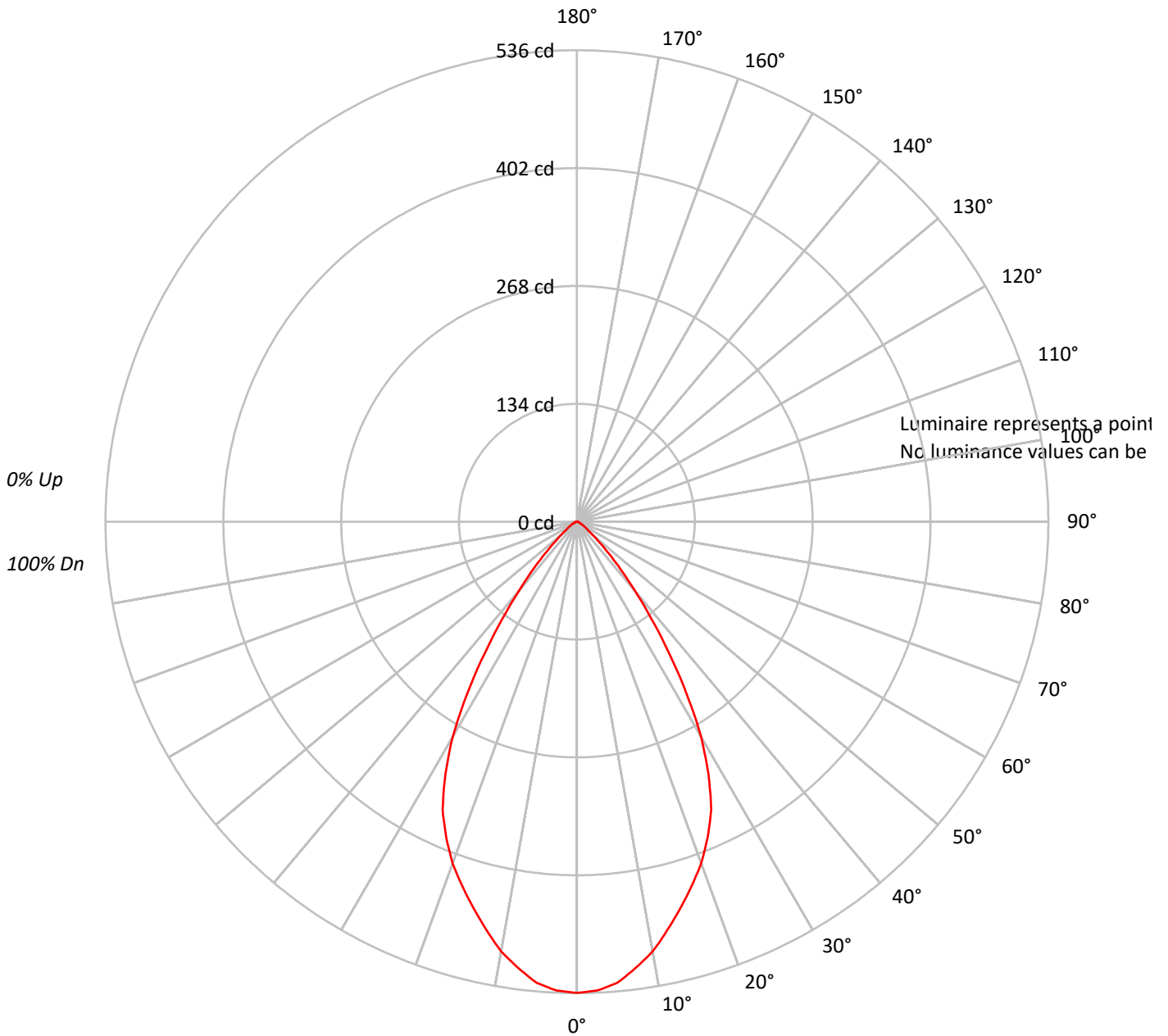
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100														
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93					93														
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86					86														
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79					79														
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73					73														
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68					68														
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63					63														
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59														
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55					55														
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51					51														
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48					48														

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	9.6
10°-20°	127.7	24.8
20°-30°	162.7	31.6
30°-40°	115.0	22.4
40°-50°	42.0	8.2
50°-60°	11.6	2.3
60°-70°	4.2	0.8
70°-80°	1.5	0.3
80°-90°	0.1	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°	339.6	66.1
0°-40°	454.6	88.4
0°-60°	508.2	98.9
0°-90°	514.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	536	
5°	526	49
15°	455	128
25°	361	163
35°	183	115
45°	51	42
55°	12	12
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	535.7
2.5°	533.6
5°	526.4
7.5°	511.8
10°	496.2
12.5°	475.5
15°	454.7
17.5°	434.0
20°	413.2
22.5°	388.3
25°	361.3
27.5°	323.9
30°	282.4
32.5°	232.6
35°	182.7
37.5°	139.1
40°	101.7
42.5°	73.7
45°	50.9
47.5°	34.3
50°	22.8
52.5°	15.6
55°	12.5
57.5°	9.3
60°	7.3
62.5°	5.2
65°	4.2
67.5°	3.1
70°	2.1
72.5°	2.1
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)