

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: P203331

Luminaire Tested: **LSR6B15D010BZ EC6B10209027 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203331  
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: LSR6B15D010BZ EC6B10209027 6LBMWH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH WHEAT TRIM  
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W  
DL3-15.28 W DLE-15.432 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 950.8 lumens  
Efficiency: N/A  
Efficacy: 66.5 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

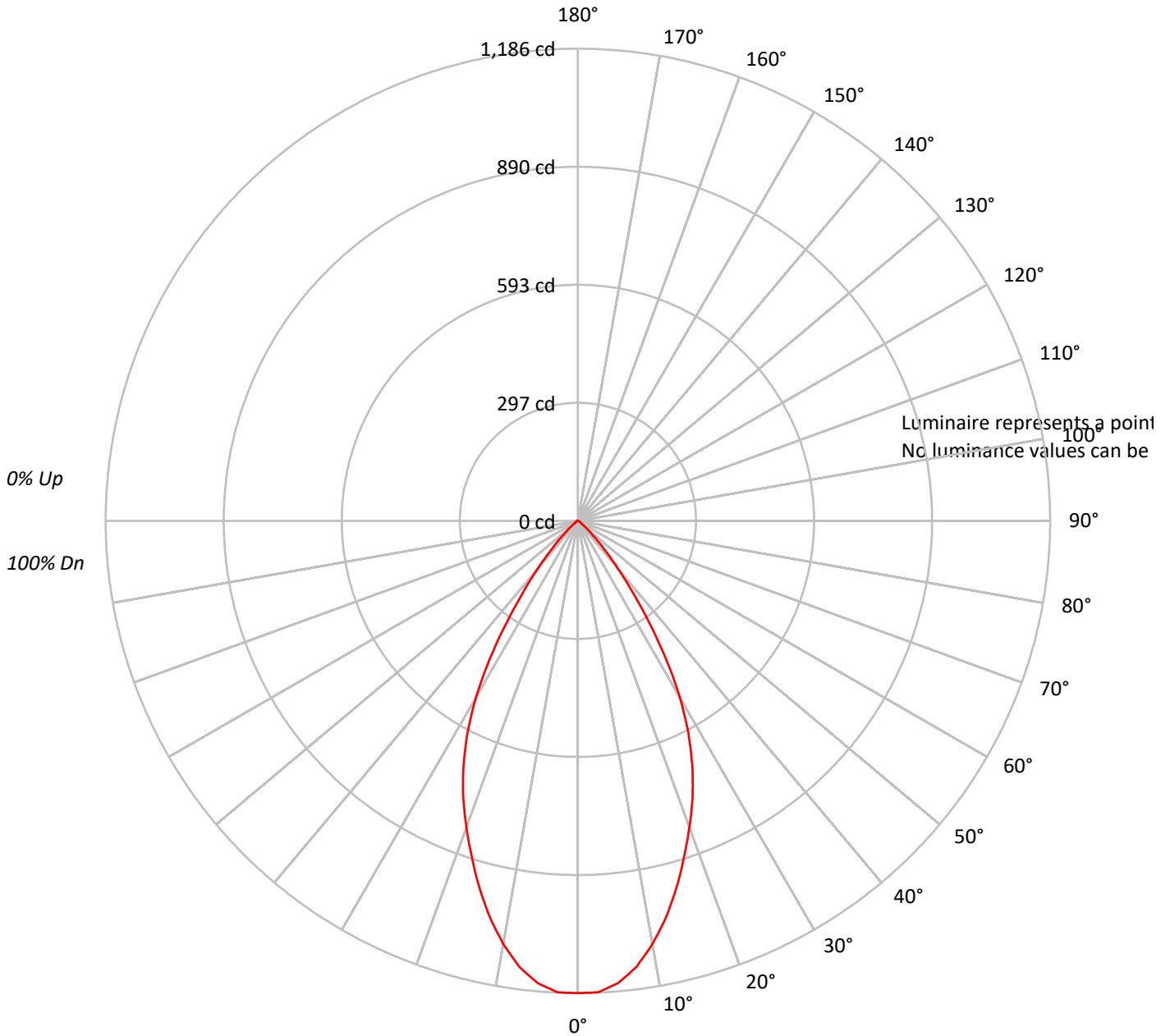
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.4	11.4
10°-20°	266.2	28.0
20°-30°	308.0	32.4
30°-40°	196.9	20.7
40°-50°	55.8	5.9
50°-60°	10.0	1.0
60°-70°	4.1	0.4
70°-80°	1.4	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°	682.7	71.8
0°-40°	879.6	92.5
0°-60°	945.4	99.4
0°-90°	950.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1186	
5°	1165	108
15°	955	266
25°	680	308
35°	311	197
45°	65	56
55°	9	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1186.2
2.5°	1184.8
5°	1165.0
7.5°	1129.3
10°	1079.1
12.5°	1020.9
15°	954.8
17.5°	886.0
20°	818.5
22.5°	752.4
25°	679.7
27.5°	600.4
30°	511.8
32.5°	412.6
35°	310.8
37.5°	224.8
40°	156.0
42.5°	103.1
45°	64.8
47.5°	38.3
50°	22.5
52.5°	13.2
55°	9.3
57.5°	7.9
60°	6.6
62.5°	5.3
65°	4.0
67.5°	2.6
70°	2.6
72.5°	1.3
75°	1.3
77.5°	1.3
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)