

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: P205325

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBNI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205325  
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: LSR6B40D010BZ EC6B30509040 6LBNLI1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2882.4 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

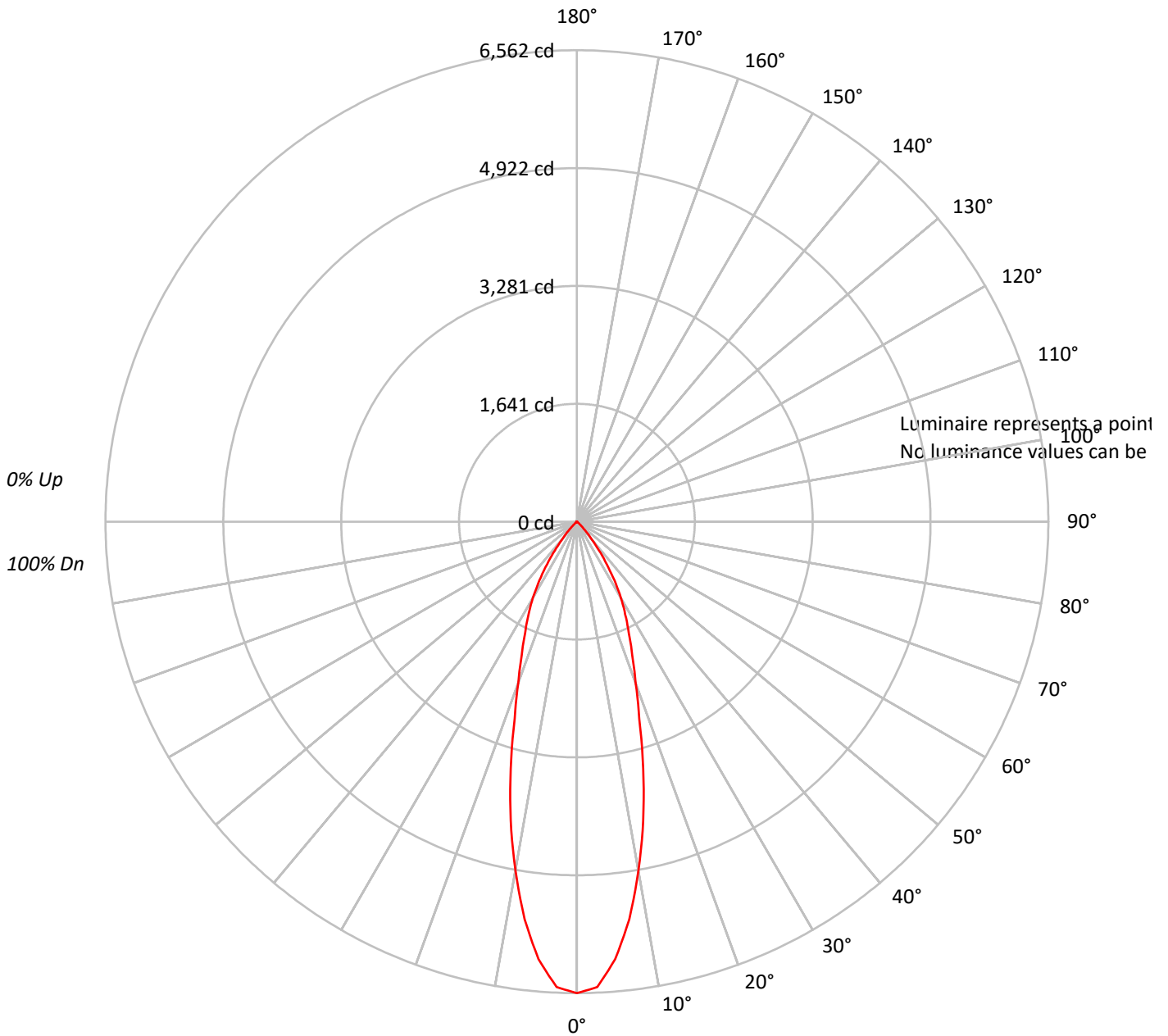
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100	100	100	100	100	100	100	100	100																	
	1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95	95	95	95	95	95	95	95	95	95	95	95																
	2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89	89	89	89	89	89	89	89	89	89	89	89																
	3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85	85	85	85	85	85	85	85	85	85	85	85																
	4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	80	80	80	80	80	80	80	80	80	80	80																
	5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76	76	76	76	76	76	76	76	76	76	76	76																
	6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72	72	72	72	72	72	72	72	72	72	72	72																
	7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68	68	68	68	68	68	68	68	68	68	68	68																
	8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65	65	65	65	65	65	65	65	65	65	65	65																
	9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62	62	62	62	62	62	62	62	62	62	62	62																
	10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59	59	59	59	59	59	59	59	59	59	59	59																

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	545.6	18.9
10°-20°	979.3	34.0
20°-30°	791.8	27.5
30°-40°	456.1	15.8
40°-50°	96.4	3.3
50°-60°	8.3	0.3
60°-70°	4.2	0.1
70°-80°	0.5	0.0
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°	2316.8	80.4
0°-40°	2772.9	96.2
0°-60°	2877.7	99.8
0°-90°	2882.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2882.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6562	
5°	6114	546
15°	3558	979
25°	1708	792
35°	723	456
45°	104	96
55°	8	8
65°	4	4
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6562.4
2.5°	6483.5
5°	6113.6
7.5°	5581.6
10°	4929.1
12.5°	4260.0
15°	3557.6
17.5°	2880.2
20°	2385.6
22.5°	2007.4
25°	1708.1
27.5°	1454.6
30°	1226.0
32.5°	972.5
35°	723.2
37.5°	502.9
40°	328.3
42.5°	199.5
45°	103.9
47.5°	41.6
50°	12.5
52.5°	12.5
55°	8.3
57.5°	8.3
60°	4.2
62.5°	4.2
65°	4.2
67.5°	4.2
70°	4.2
72.5°	0.0
75°	0.0
77.5°	0.0
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)