

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: P203067

Luminaire Tested: **LSR6B40D010BZ EC6B30509730 6LBWB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203067  
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 EC6B30509730 6LBWB1  
Description: PORTFOLIO 6IN CYLINDER  
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 1754.3 lumens  
Efficiency: N/A  
Efficacy: 42.0 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

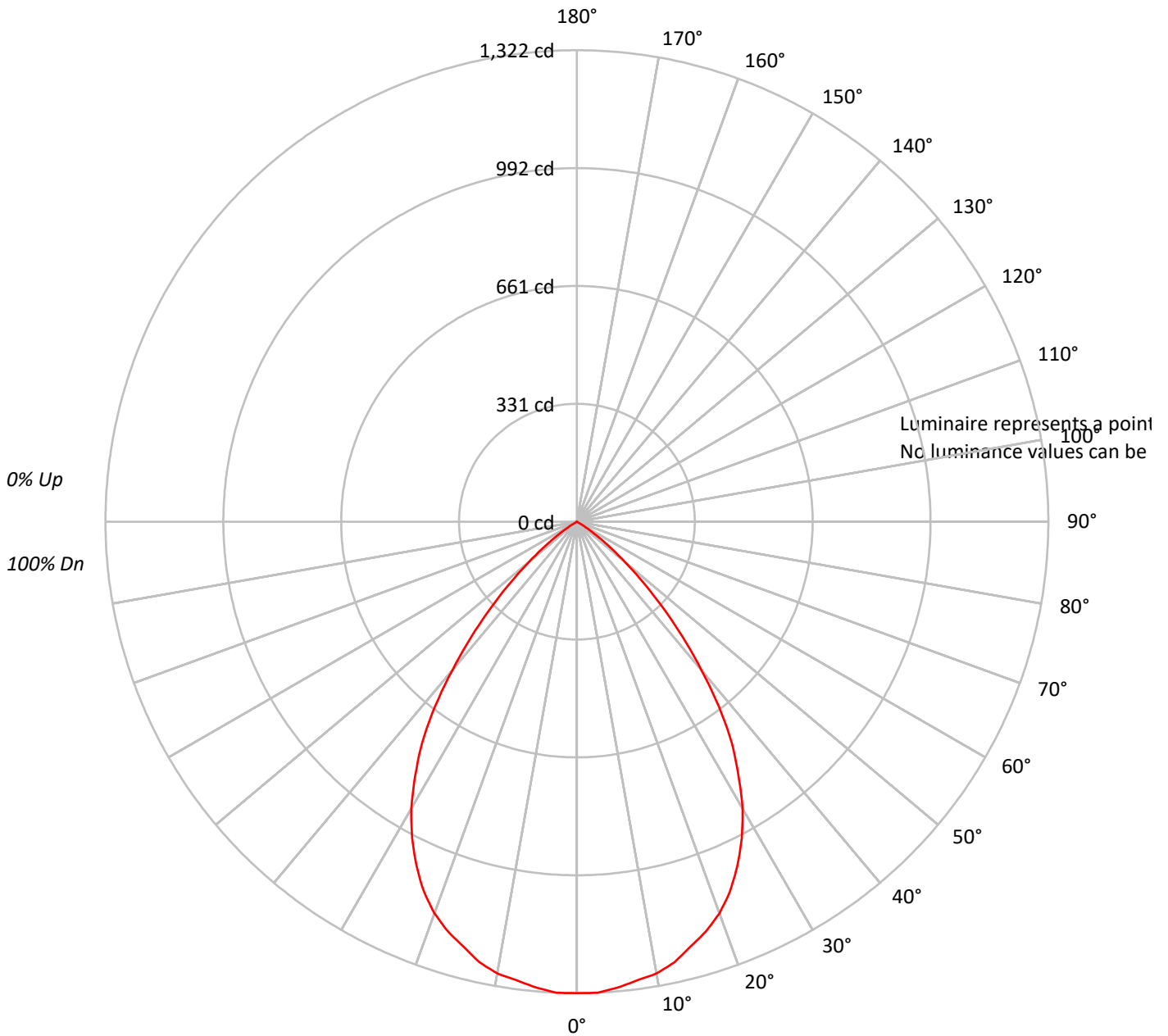
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			92																	
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			84																	
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77																			77																	
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			70																	
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64																			64																	
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59																			59																	
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54																			54																	
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																			50																	
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46																			46																	
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42																			42																	

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.3	7.1
10°-20°	347.6	19.8
20°-30°	487.0	27.8
30°-40°	465.0	26.5
40°-50°	264.8	15.1
50°-60°	64.7	3.7
60°-70°	0.9	0.0
70°-80°	0.0	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°	958.9	54.7
0°-40°	1423.9	81.2
0°-60°	1753.5	100.0
0°-90°	1754.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1754.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1322	
5°	1312	124
15°	1233	348
25°	1065	487
35°	758	465
45°	340	265
55°	64	65
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1322.2
2.5°	1322.2
5°	1311.5
7.5°	1297.2
10°	1286.5
12.5°	1265.0
15°	1232.9
17.5°	1204.3
20°	1168.5
22.5°	1122.1
25°	1064.9
27.5°	1000.6
30°	929.1
32.5°	843.3
35°	757.6
37.5°	653.9
40°	543.2
42.5°	439.5
45°	339.5
47.5°	250.1
50°	175.1
52.5°	110.8
55°	64.3
57.5°	28.6
60°	7.1
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
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)