

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: P204094

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204094  
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 6LBNMW1  
Description: PORTFOLIO 6IN CYLINDER  
NARROW DISTRIBUTION WITH MATTE WHITE 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: 2616.5 lumens  
Efficiency: N/A  
Efficacy: 62.6 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

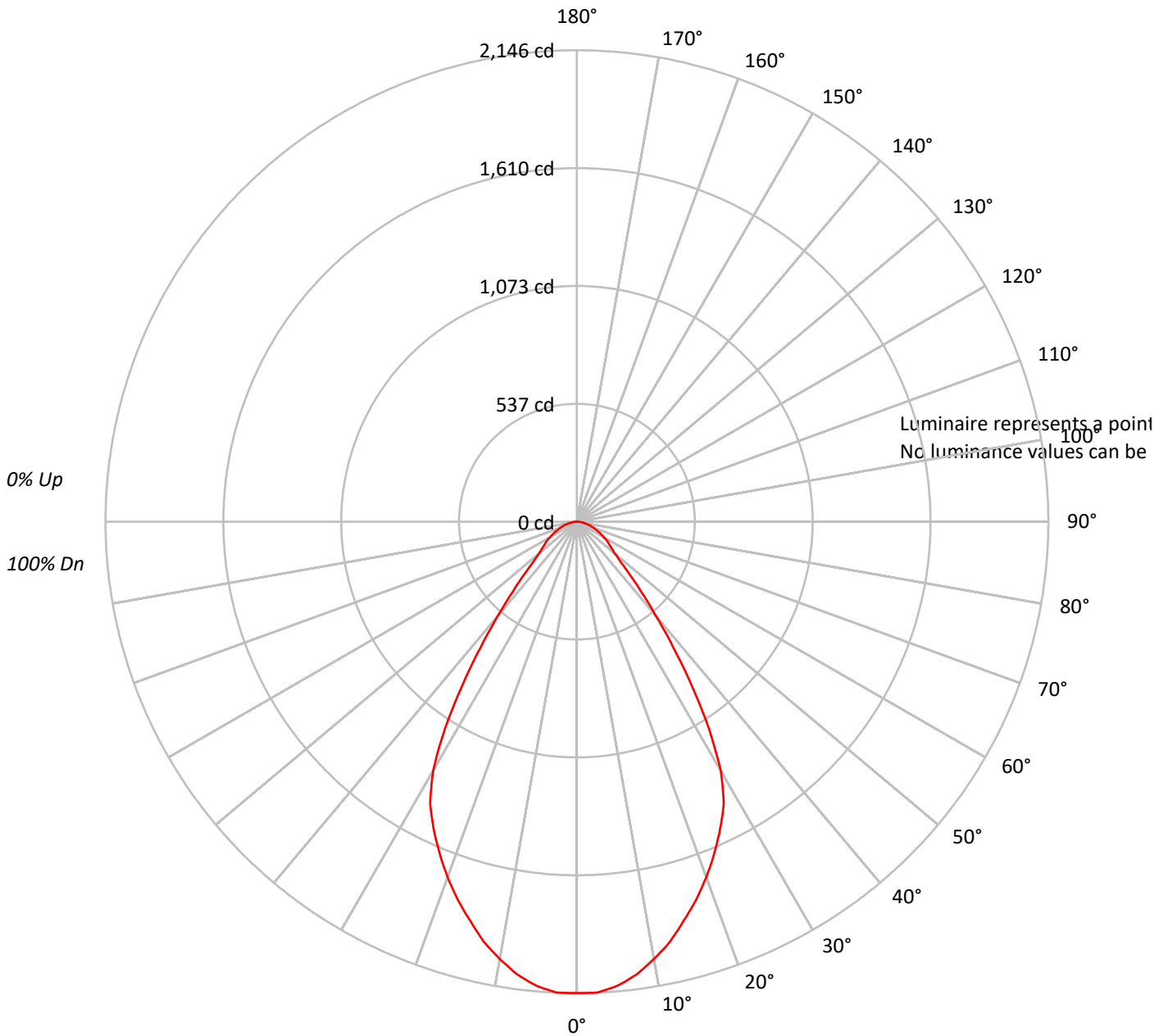
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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																																				
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																																				
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																																				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																																				
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																																				
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																																				
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																																				
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																																				
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																																				

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.3	7.6
10°-20°	528.2	20.2
20°-30°	705.1	26.9
30°-40°	568.9	21.7
40°-50°	272.6	10.4
50°-60°	161.6	6.2
60°-70°	107.4	4.1
70°-80°	57.6	2.2
80°-90°	15.9	0.6
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°	1432.6	54.7
0°-40°	2001.4	76.5
0°-60°	2435.7	93.1
0°-90°	2616.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2616.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2146	
5°	2121	199
15°	1880	528
25°	1543	705
35°	911	569
45°	337	273
55°	179	162
65°	108	107
75°	54	58
85°	12	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2145.8
2.5°	2145.8
5°	2120.9
7.5°	2079.3
10°	2021.1
12.5°	1958.7
15°	1879.7
17.5°	1804.8
20°	1721.6
22.5°	1634.3
25°	1542.8
27.5°	1447.2
30°	1309.9
32.5°	1118.7
35°	910.7
37.5°	719.4
40°	557.2
42.5°	432.5
45°	336.8
47.5°	266.1
50°	224.6
52.5°	199.6
55°	178.8
57.5°	162.2
60°	141.4
62.5°	124.8
65°	108.1
67.5°	91.5
70°	79.0
72.5°	66.5
75°	54.1
77.5°	41.6
80°	33.3
82.5°	25.0
85°	12.5
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)