

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: P204610

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204610  
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 6LBSMW1  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW 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: 3937.2 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

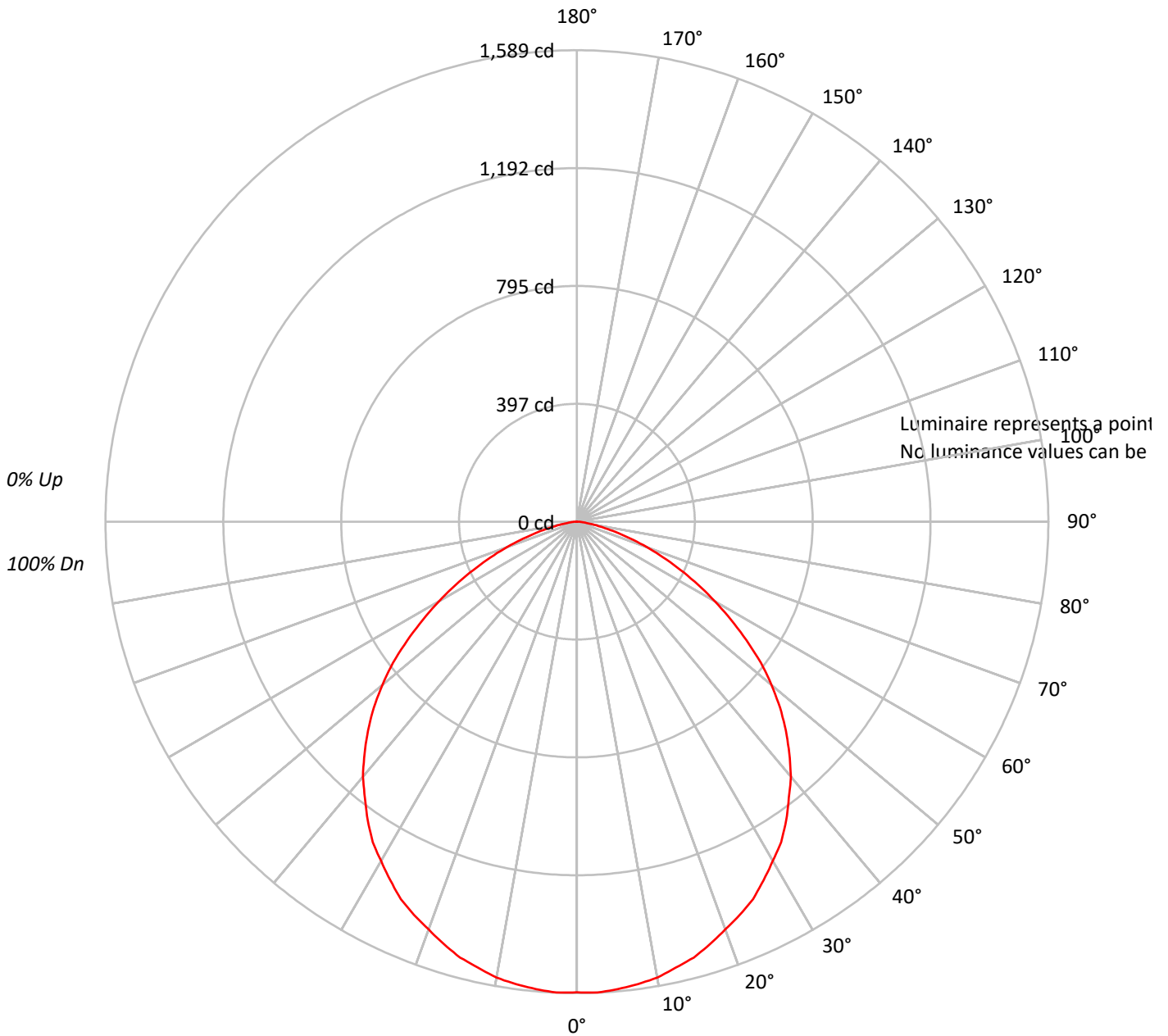
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																			
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.3	3.8
10°-20°	428.4	10.9
20°-30°	645.2	16.4
30°-40°	767.8	19.5
40°-50°	766.4	19.5
50°-60°	623.3	15.8
60°-70°	383.4	9.7
70°-80°	148.5	3.8
80°-90°	23.8	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°	1224.0	31.1
0°-40°	1991.7	50.6
0°-60°	3381.4	85.9
0°-90°	3937.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3937.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1586	
5°	1582	150
15°	1521	428
25°	1404	645
35°	1229	768
45°	996	766
55°	698	623
65°	385	383
75°	135	149
85°	19	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1586.3
2.5°	1588.6
5°	1581.6
7.5°	1572.3
10°	1560.6
12.5°	1539.6
15°	1521.0
17.5°	1493.0
20°	1462.6
22.5°	1434.7
25°	1404.3
27.5°	1362.3
30°	1320.3
32.5°	1280.7
35°	1229.4
37.5°	1173.4
40°	1122.1
42.5°	1059.1
45°	996.1
47.5°	928.4
50°	856.1
52.5°	781.5
55°	697.5
57.5°	615.9
60°	536.5
62.5°	459.6
65°	384.9
67.5°	314.9
70°	249.6
72.5°	189.0
75°	135.3
77.5°	88.6
80°	53.7
82.5°	32.7
85°	18.7
87.5°	9.3
90°	0.0



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— 0°-180°







(END OF REPORT)