

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: P204816

Luminaire Tested: **LSR6B40D010BZ EC6B30509035 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204816  
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 EC6B30509035 6LBCSMW1  
Description: PORTFOLIO 6IN CYLINDER  
SHALLOW DISTRIBUTION WITH CAST 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: 3974.9 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

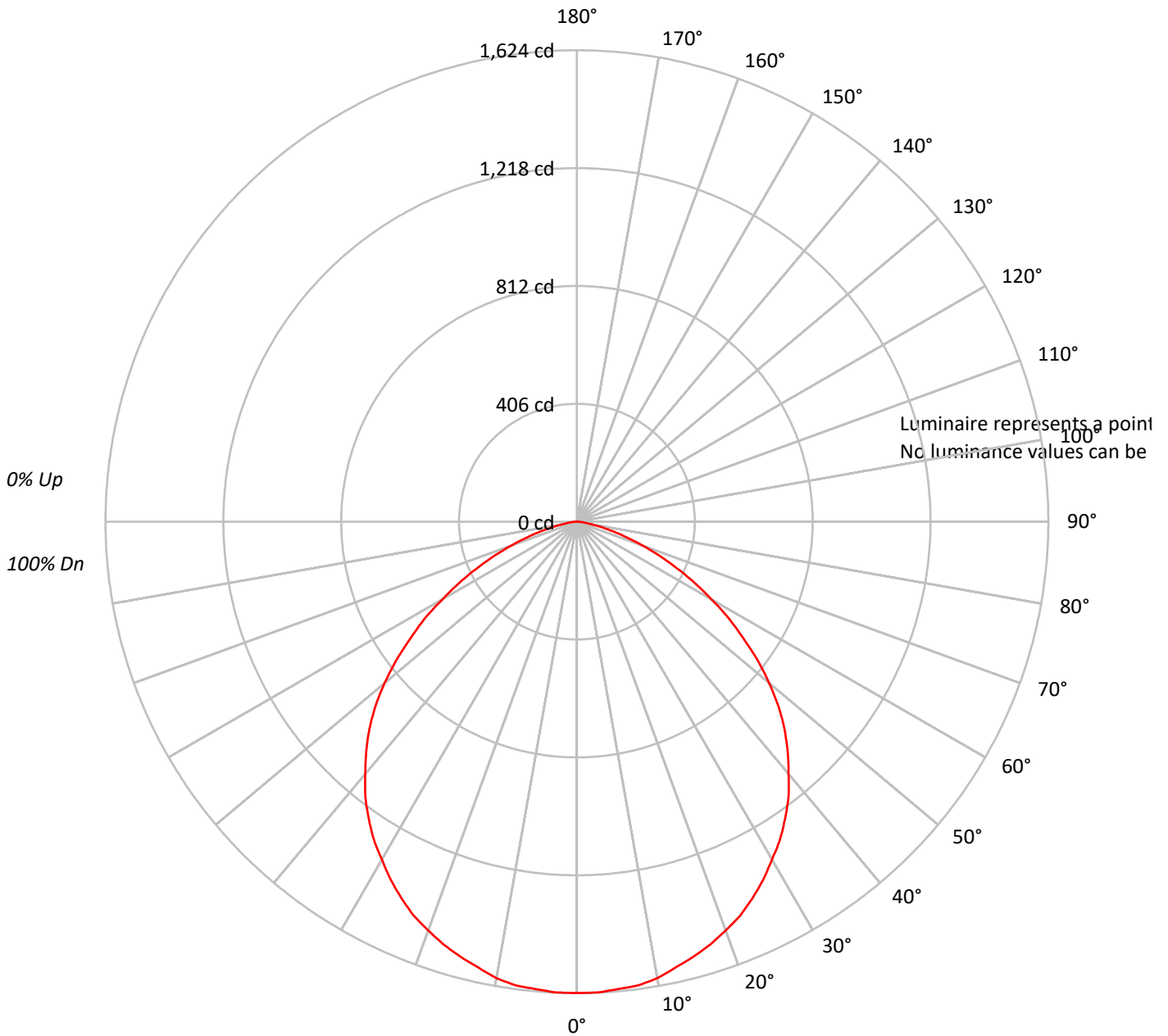
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
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	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55		
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42		
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37		
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33		
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30		
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.8	3.9
10°-20°	437.9	11.0
20°-30°	658.7	16.6
30°-40°	780.7	19.6
40°-50°	776.9	19.5
50°-60°	626.3	15.8
60°-70°	378.9	9.5
70°-80°	140.7	3.5
80°-90°	21.0	0.5
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°	1250.5	31.5
0°-40°	2031.1	51.1
0°-60°	3434.3	86.4
0°-90°	3974.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3974.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1624	
5°	1616	154
15°	1551	438
25°	1431	659
35°	1250	781
45°	1012	777
55°	698	626
65°	381	379
75°	128	141
85°	17	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1623.5
2.5°	1623.5
5°	1616.2
7.5°	1611.4
10°	1597.0
12.5°	1572.9
15°	1551.2
17.5°	1527.1
20°	1498.2
22.5°	1469.3
25°	1430.8
27.5°	1389.8
30°	1344.0
32.5°	1300.7
35°	1250.1
37.5°	1197.1
40°	1134.5
42.5°	1074.3
45°	1011.6
47.5°	941.8
50°	864.7
52.5°	785.2
55°	698.5
57.5°	621.4
60°	534.7
62.5°	457.7
65°	380.6
67.5°	308.3
70°	240.9
72.5°	180.7
75°	127.7
77.5°	81.9
80°	48.2
82.5°	28.9
85°	16.9
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)