

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: P205530

Luminaire Tested: **LSR6B40D010BZ EC6B30509035 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205530  
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 6LBMGPH1  
Description: PORTFOLIO 6IN CYLINDER  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 2019.2 lumens  
Efficiency: N/A  
Efficacy: 48.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

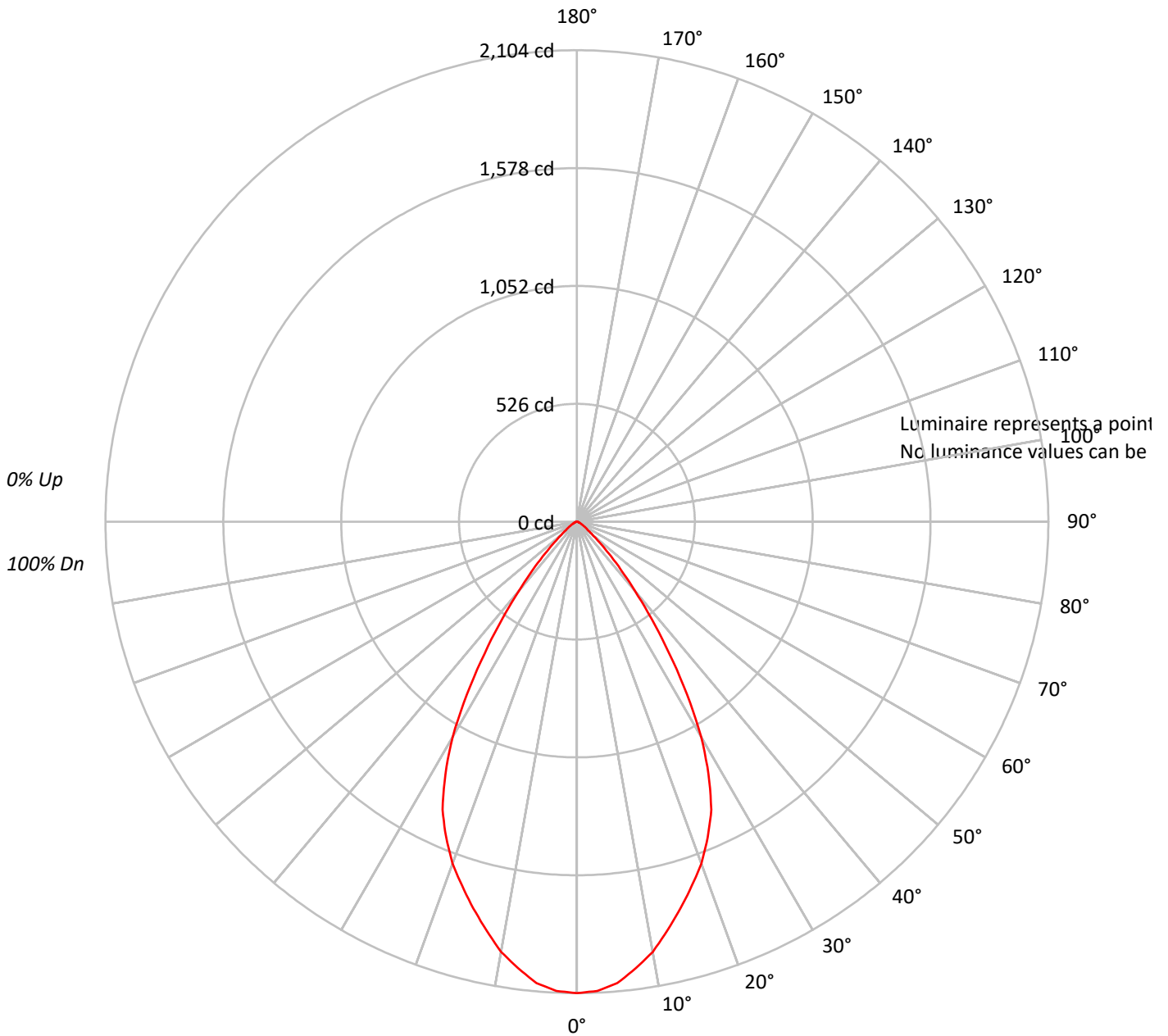
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93																																				
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86																																				
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79																																				
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73																																				
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68																																				
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63																																				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																																				
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55																																				
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51																																				
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48																																				

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.3	9.6
10°-20°	501.6	24.8
20°-30°	639.1	31.6
30°-40°	451.6	22.4
40°-50°	164.9	8.2
50°-60°	45.7	2.3
60°-70°	16.6	0.8
70°-80°	5.9	0.3
80°-90°	0.6	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°	1333.9	66.1
0°-40°	1785.6	88.4
0°-60°	1996.2	98.9
0°-90°	2019.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2019.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2104	
5°	2067	193
15°	1786	502
25°	1419	639
35°	718	452
45°	200	165
55°	49	46
65°	16	17
75°	4	6
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2104.1
2.5°	2096.0
5°	2067.4
7.5°	2010.3
10°	1949.2
12.5°	1867.6
15°	1786.1
17.5°	1704.5
20°	1622.9
22.5°	1525.1
25°	1419.1
27.5°	1272.3
30°	1109.1
32.5°	913.4
35°	717.7
37.5°	546.4
40°	399.6
42.5°	289.5
45°	199.8
47.5°	134.6
50°	89.7
52.5°	61.2
55°	48.9
57.5°	36.7
60°	28.5
62.5°	20.4
65°	16.3
67.5°	12.2
70°	8.2
72.5°	8.2
75°	4.1
77.5°	4.1
80°	4.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)