

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: P204546

Luminaire Tested: **LD6B70D010TE EU6B60709050 6LBSB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204546  
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: LD6B70D010TE EU6B60709050 6LBSB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5654.5 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

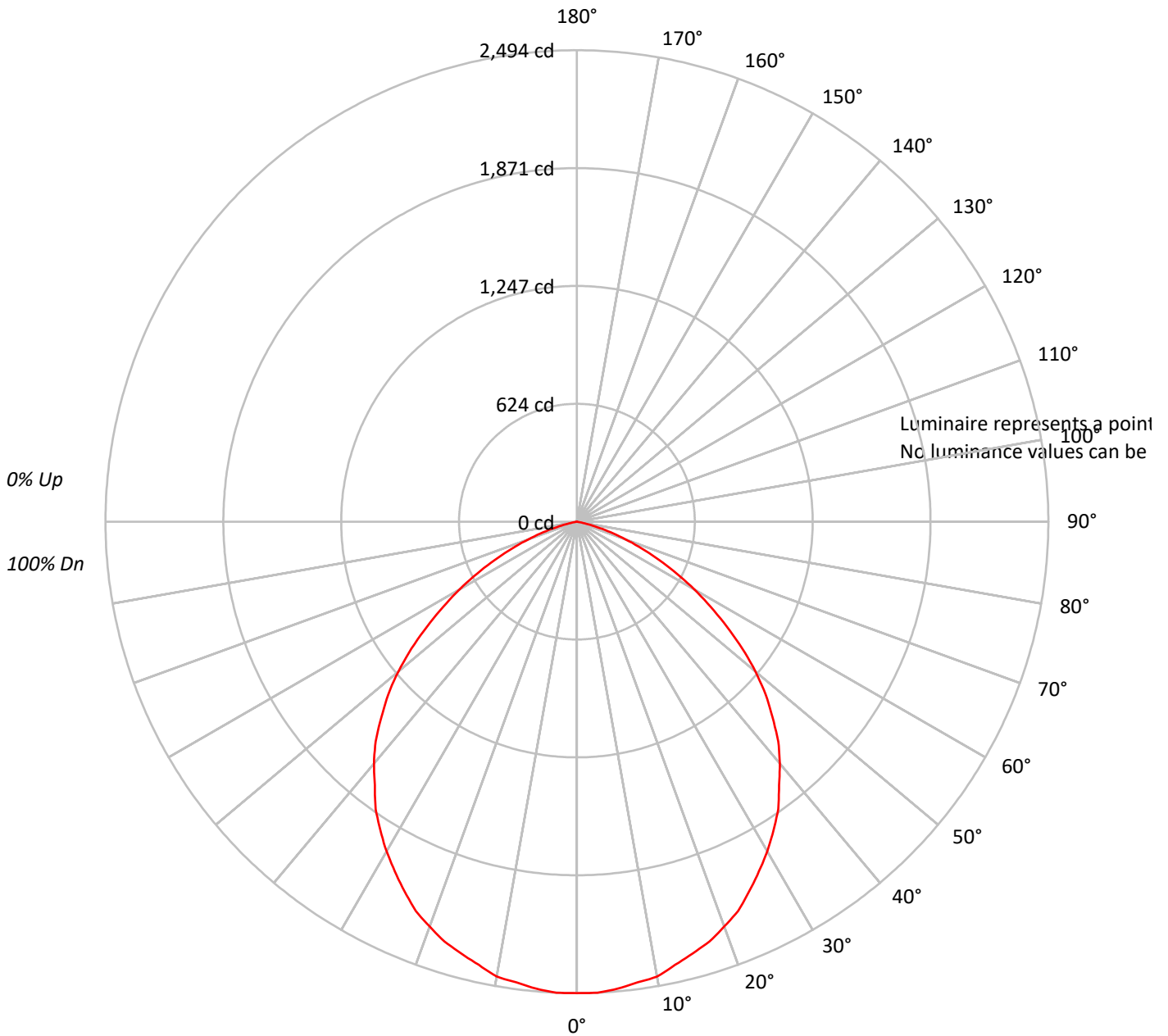
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			100																
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88			88																
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76			76																
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65			65																
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57			57																
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50			50																
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			44																
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39			39																
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35																
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32																
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			29																

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.4	4.2
10°-20°	668.0	11.8
20°-30°	993.7	17.6
30°-40°	1156.3	20.4
40°-50°	1127.1	19.9
50°-60°	866.9	15.3
60°-70°	479.2	8.5
70°-80°	126.9	2.2
80°-90°	1.0	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°	1897.1	33.6
0°-40°	3053.4	54.0
0°-60°	5047.4	89.3
0°-90°	5654.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5654.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2494	
5°	2480	235
15°	2365	668
25°	2158	994
35°	1856	1156
45°	1462	1127
55°	968	867
65°	480	479
75°	108	127
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2494.4
2.5°	2494.4
5°	2480.1
7.5°	2458.6
10°	2444.2
12.5°	2401.2
15°	2365.4
17.5°	2329.5
20°	2279.4
22.5°	2229.2
25°	2157.5
27.5°	2085.8
30°	2014.2
32.5°	1935.3
35°	1856.5
37.5°	1756.1
40°	1670.1
42.5°	1576.9
45°	1462.2
47.5°	1354.7
50°	1232.9
52.5°	1103.8
55°	967.7
57.5°	838.6
60°	716.8
62.5°	594.9
65°	480.2
67.5°	372.7
70°	272.4
72.5°	186.4
75°	107.5
77.5°	50.2
80°	7.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)