

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: P204616

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204616  
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: LD6B50D010TE EU6B30508035 6LB5MW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5954.0 lumens  
Efficiency: N/A  
Efficacy: 101.3 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

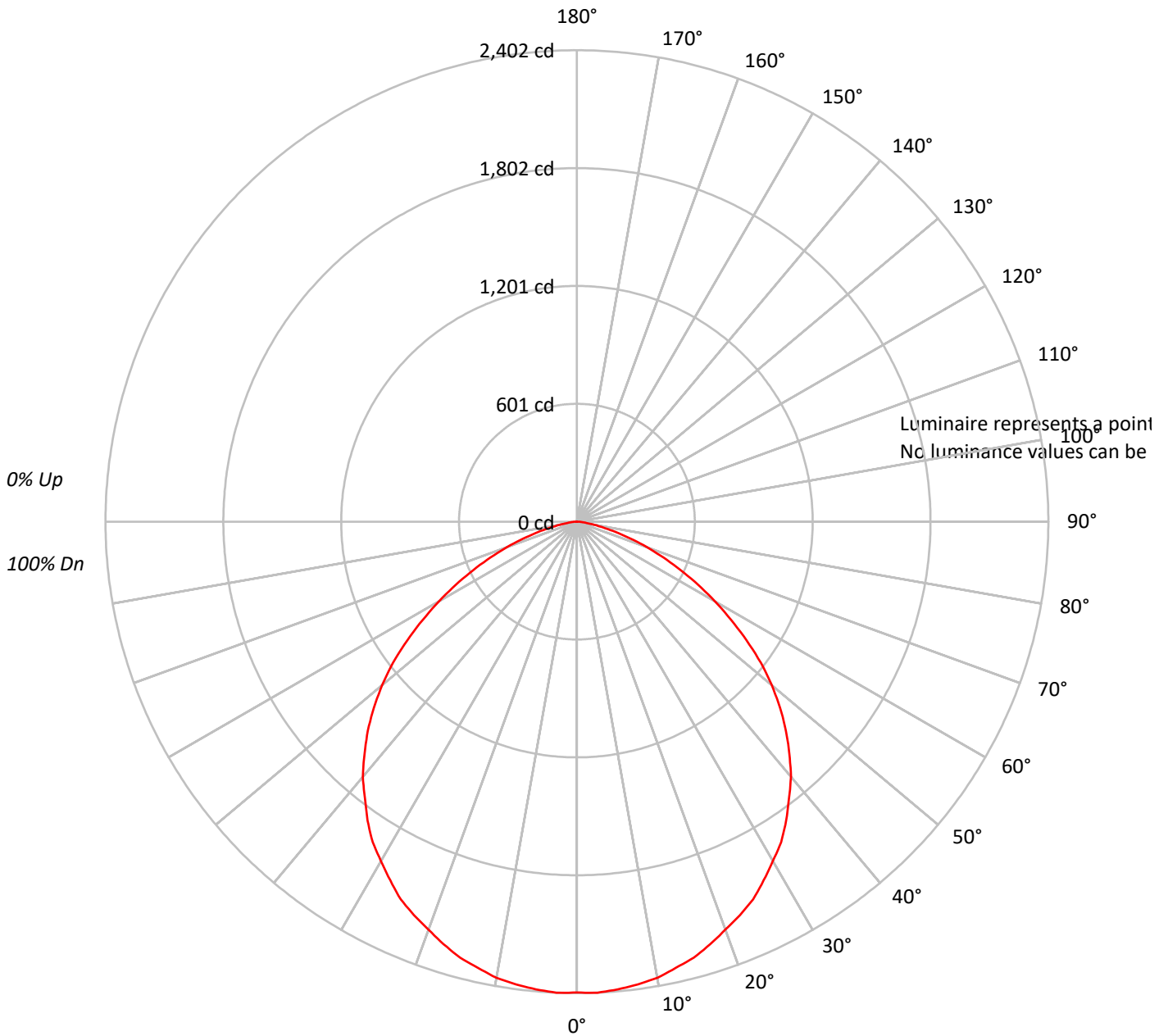
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204616

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204616

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSMW1

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

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

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





TEST NUMBER: P204616

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.3	3.8
10°-20°	647.9	10.9
20°-30°	975.8	16.4
30°-40°	1161.1	19.5
40°-50°	1159.0	19.5
50°-60°	942.5	15.8
60°-70°	579.9	9.7
70°-80°	224.6	3.8
80°-90°	36.0	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°	1851.0	31.1
0°-40°	3012.1	50.6
0°-60°	5113.5	85.9
0°-90°	5954.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5954.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2399	
5°	2392	227
15°	2300	648
25°	2124	976
35°	1859	1161
45°	1506	1159
55°	1055	943
65°	582	580
75°	205	225
85°	28	36
90°	0	



TEST NUMBER: P204616

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBSMW1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2398.9
2.5°	2402.4
5°	2391.8
7.5°	2377.7
10°	2360.1
12.5°	2328.3
15°	2300.1
17.5°	2257.8
20°	2211.9
22.5°	2169.6
25°	2123.7
27.5°	2060.2
30°	1996.7
32.5°	1936.8
35°	1859.1
37.5°	1774.5
40°	1696.9
42.5°	1601.6
45°	1506.4
47.5°	1404.1
50°	1294.7
52.5°	1181.8
55°	1054.8
57.5°	931.3
60°	811.4
62.5°	695.0
65°	582.1
67.5°	476.3
70°	377.5
72.5°	285.8
75°	204.6
77.5°	134.1
80°	81.1
82.5°	49.4
85°	28.2
87.5°	14.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)