

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: P205230

Luminaire Tested: **LD6B50D010TE EU6B30508035 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205230  
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 6LBWL1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5539.6 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

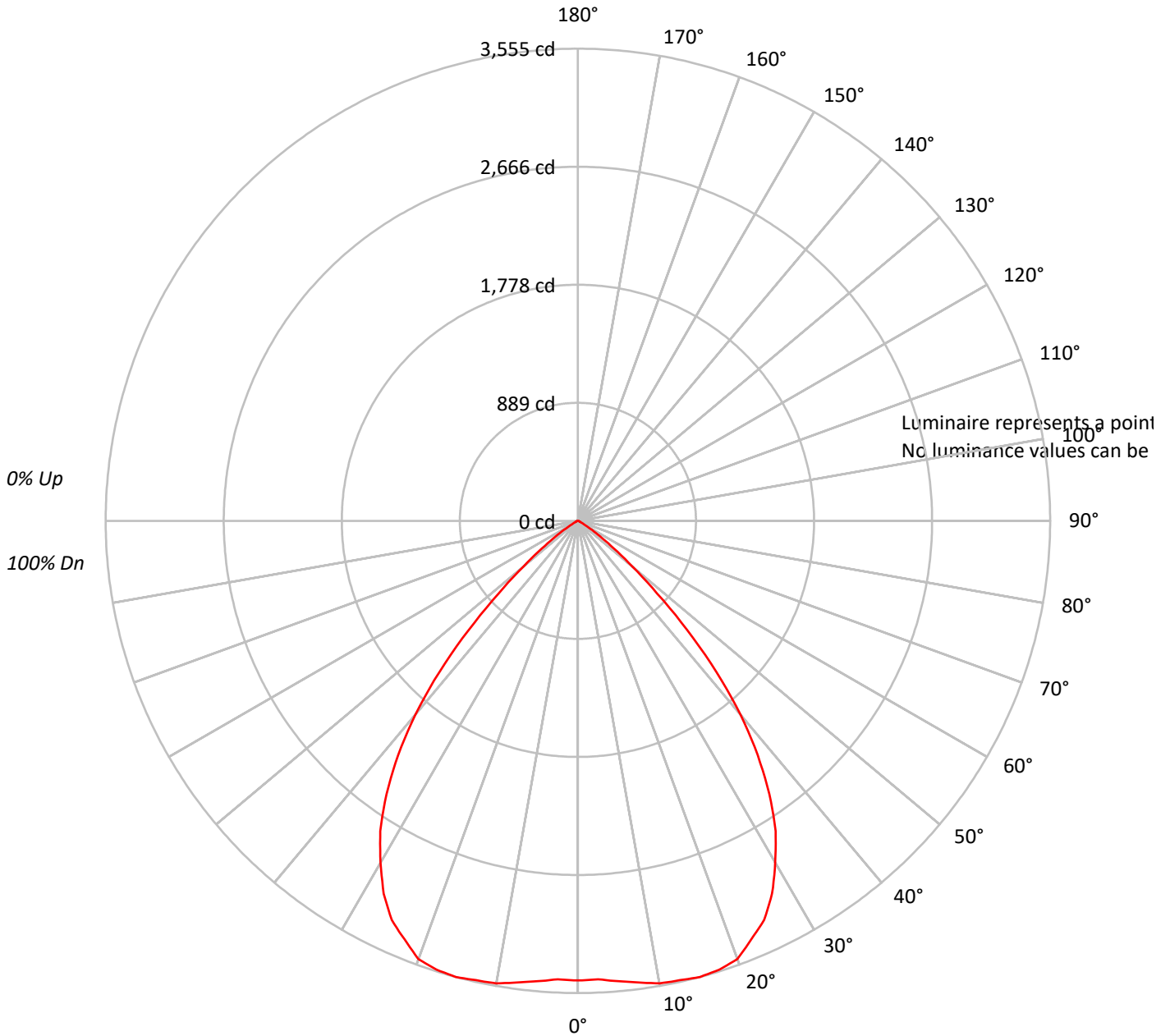
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205230

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBWLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205230

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBWLI1

**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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41

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





TEST NUMBER: P205230

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.9	6.0
10°-20°	1003.5	18.1
20°-30°	1512.7	27.3
30°-40°	1548.3	27.9
40°-50°	902.0	16.3
50°-60°	207.3	3.7
60°-70°	25.5	0.5
70°-80°	6.6	0.1
80°-90°	0.0	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°	2850.0	51.4
0°-40°	4398.3	79.4
0°-60°	5507.5	99.4
0°-90°	5539.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5539.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3461	
5°	3480	334
15°	3555	1003
25°	3316	1513
35°	2512	1548
45°	1162	902
55°	201	207
65°	19	25
75°	6	7
85°	0	0
90°	0	



TEST NUMBER: P205230

CATALOG NUMBER: LD6B50D010TE EU6B30508035 6LBWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3460.7
2.5°	3454.4
5°	3479.5
7.5°	3504.7
10°	3536.1
12.5°	3542.3
15°	3554.9
17.5°	3542.3
20°	3510.9
22.5°	3410.4
25°	3316.2
27.5°	3165.5
30°	2970.8
32.5°	2769.8
35°	2512.3
37.5°	2223.4
40°	1903.1
42.5°	1545.1
45°	1161.9
47.5°	810.2
50°	533.9
52.5°	339.2
55°	201.0
57.5°	106.8
60°	56.5
62.5°	31.4
65°	18.8
67.5°	18.8
70°	12.6
72.5°	6.3
75°	6.3
77.5°	6.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)