

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: P203265

Luminaire Tested: **LD6B40D010 EU6B30508050 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203265  
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: LD6B40D010 EU6B30508050 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 3161.3 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

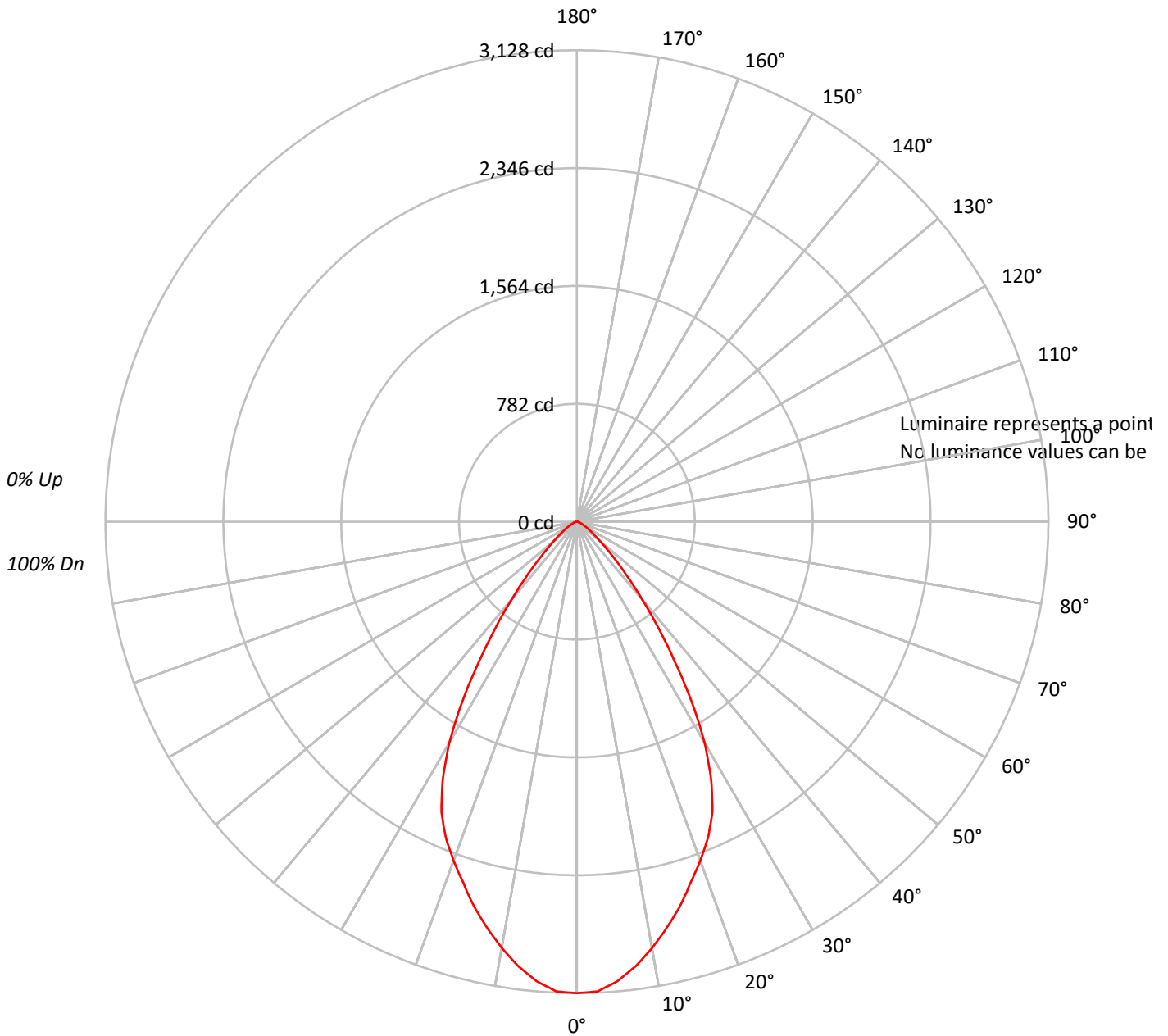
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203265

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203265

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBMH1

**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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92		
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72		
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53		
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49		
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46		

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





TEST NUMBER: P203265

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.1	9.0
10°-20°	740.0	23.4
20°-30°	958.9	30.3
30°-40°	711.9	22.5
40°-50°	300.5	9.5
50°-60°	106.7	3.4
60°-70°	41.2	1.3
70°-80°	14.3	0.5
80°-90°	1.8	0.1
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°	1984.9	62.8
0°-40°	2696.8	85.3
0°-60°	3104.1	98.2
0°-90°	3161.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3161.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3128	
5°	3061	286
15°	2641	740
25°	2126	959
35°	1129	712
45°	370	301
55°	113	107
65°	41	41
75°	14	14
85°	0	2
90°	0	



TEST NUMBER: P203265

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3128.5
2.5°	3119.5
5°	3060.8
7.5°	2975.0
10°	2871.2
12.5°	2758.3
15°	2641.0
17.5°	2510.0
20°	2392.7
22.5°	2270.8
25°	2126.3
27.5°	1927.7
30°	1692.9
32.5°	1417.5
35°	1128.6
37.5°	884.8
40°	672.7
42.5°	501.1
45°	370.2
47.5°	270.9
50°	198.6
52.5°	149.0
55°	112.9
57.5°	85.8
60°	67.7
62.5°	49.7
65°	40.6
67.5°	31.6
70°	22.6
72.5°	18.1
75°	13.5
77.5°	9.0
80°	4.5
82.5°	4.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)