

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: P204348

Luminaire Tested: **LD6B10D010 EU6B10209024 6LBSGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204348  
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: LD6B10D010 EU6B10209024 6LBSGPH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.7 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

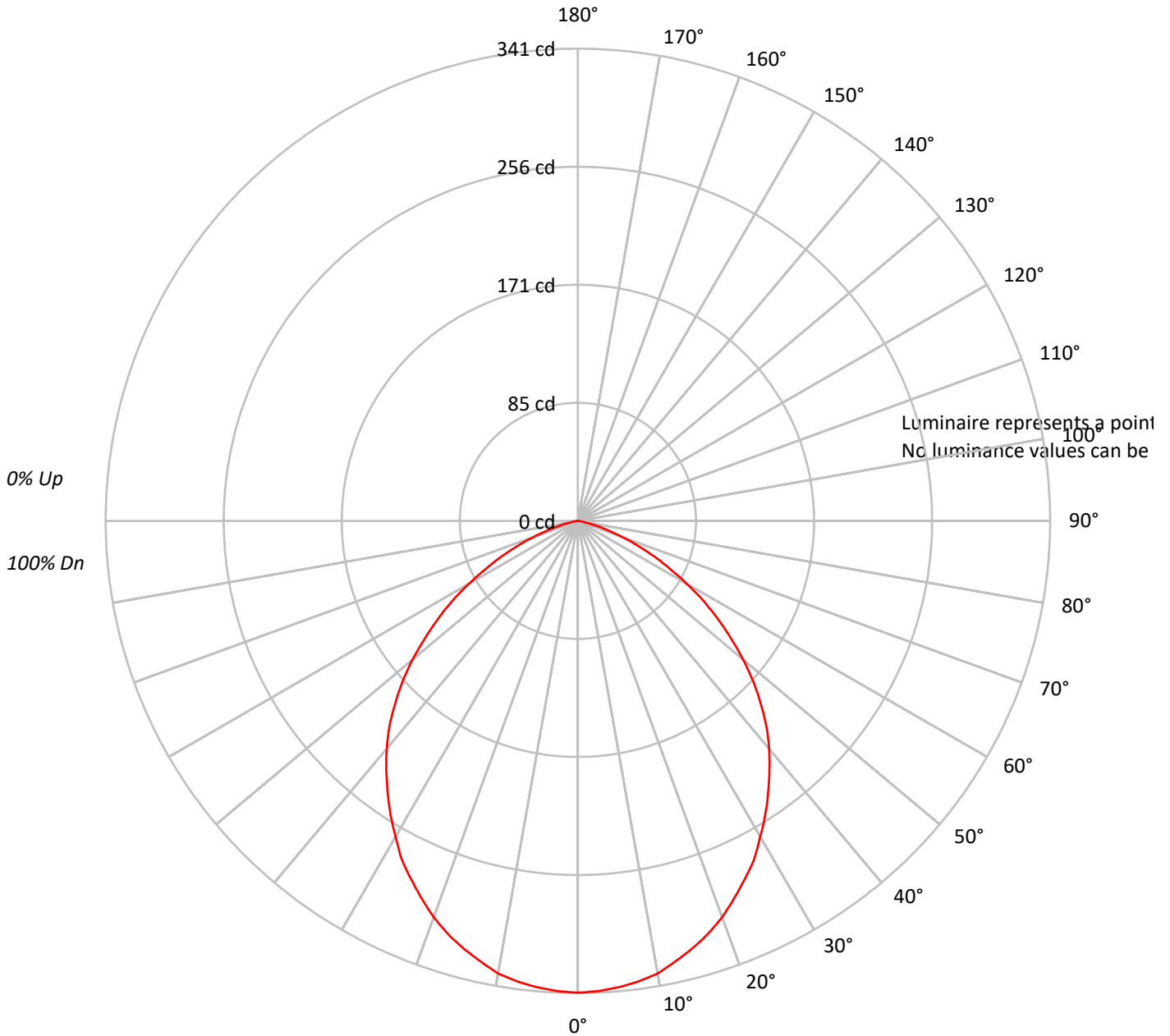
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204348

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P204348

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSGPH1

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88	88	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66	66	66	66
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57	57	57	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50	50	50	50
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45	45	45	45
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40	40	40	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36	36	36	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32	32	32	32
10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30	30	30	30

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





TEST NUMBER: P204348

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	4.4
10°-20°	90.1	12.3
20°-30°	131.4	17.9
30°-40°	149.8	20.4
40°-50°	143.7	19.6
50°-60°	110.0	15.0
60°-70°	60.4	8.2
70°-80°	16.1	2.2
80°-90°	0.2	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°	253.5	34.5
0°-40°	403.3	55.0
0°-60°	657.0	89.5
0°-90°	733.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	341	
5°	338	32
15°	320	90
25°	285	131
35°	240	150
45°	187	144
55°	123	110
65°	61	60
75°	14	16
85°	0	0
90°	0	



TEST NUMBER: P204348

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	340.7
2.5°	339.9
5°	338.1
7.5°	335.5
10°	331.9
12.5°	325.8
15°	319.6
17.5°	312.6
20°	304.6
22.5°	295.0
25°	285.3
27.5°	275.6
30°	263.3
32.5°	251.8
35°	239.5
37.5°	227.2
40°	214.8
42.5°	201.6
45°	186.7
47.5°	171.7
50°	155.8
52.5°	139.1
55°	123.3
57.5°	107.4
60°	90.7
62.5°	74.8
65°	60.8
67.5°	46.7
70°	34.3
72.5°	22.9
75°	14.1
77.5°	6.2
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)