

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: P203869

Luminaire Tested: **LD6B30D010 EU6B30508040 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203869
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: LD6B30D010 EU6B30508040 6LBNGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1539.5 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

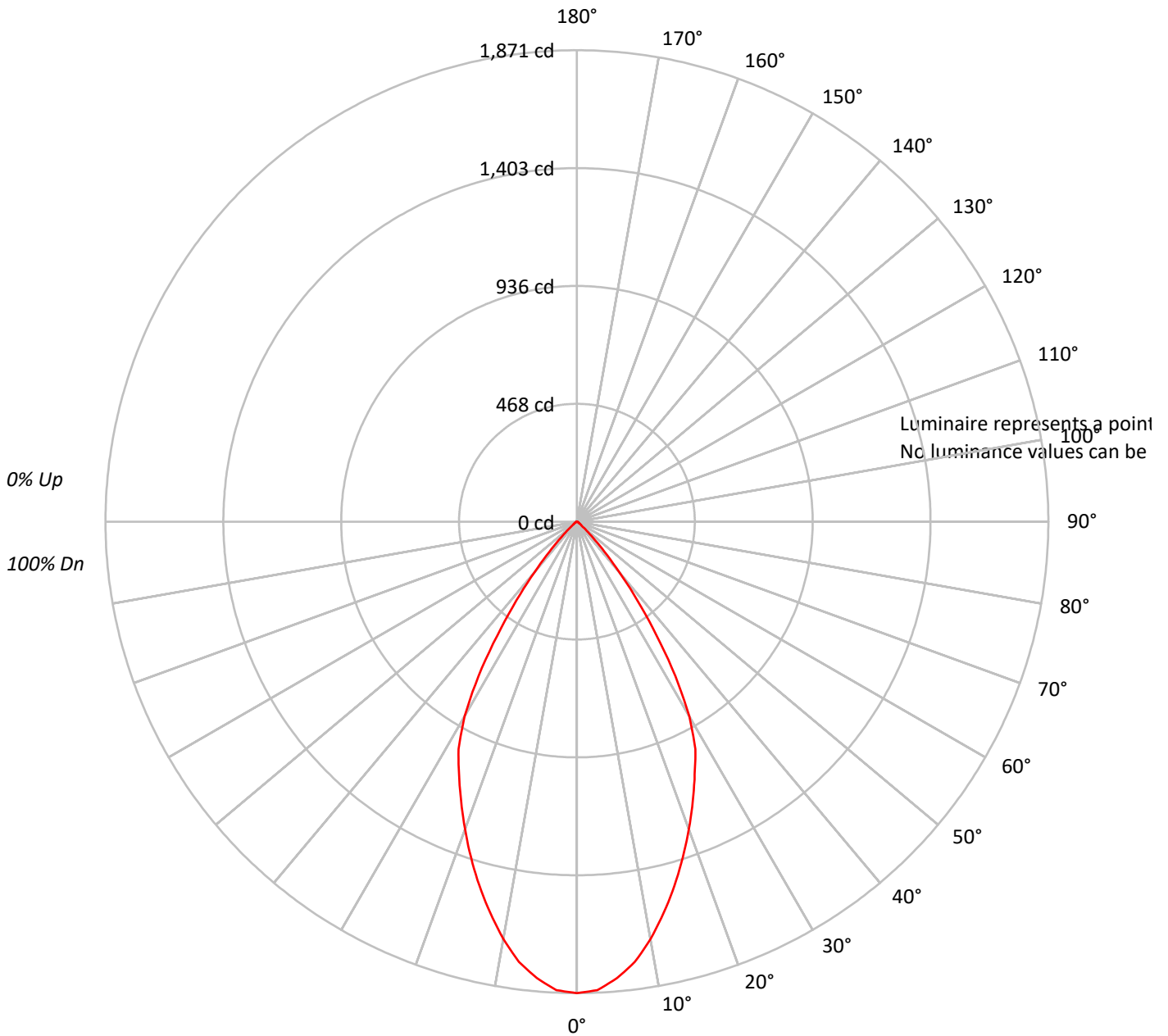
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203869

CATALOG NUMBER: LD6B30D010 EU6B30508040 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203869

CATALOG NUMBER: LD6B30D010 EU6B30508040 6LBNGPH1

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			
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76			
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203869

CATALOG NUMBER: LD6B30D010 EU6B30508040 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	11.0
10°-20°	417.8	27.1
20°-30°	506.2	32.9
30°-40°	345.0	22.4
40°-50°	82.1	5.3
50°-60°	12.8	0.8
60°-70°	4.7	0.3
70°-80°	1.4	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°	1093.4	71.0
0°-40°	1438.4	93.4
0°-60°	1533.4	99.6
0°-90°	1539.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1871	
5°	1819	169
15°	1496	418
25°	1106	506
35°	551	345
45°	88	82
55°	14	13
65°	4	5
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203869

CATALOG NUMBER: LD6B30D010 EU6B30508040 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1871.3
2.5°	1860.8
5°	1818.7
7.5°	1762.5
10°	1681.7
12.5°	1590.5
15°	1495.7
17.5°	1397.4
20°	1299.0
22.5°	1200.7
25°	1105.9
27.5°	1018.2
30°	891.8
32.5°	726.8
35°	551.2
37.5°	393.2
40°	259.8
42.5°	161.5
45°	87.8
47.5°	45.6
50°	24.6
52.5°	17.6
55°	14.0
57.5°	10.5
60°	7.0
62.5°	7.0
65°	3.5
67.5°	3.5
70°	3.5
72.5°	3.5
75°	0.0
77.5°	0.0
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)