

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: P203878

Luminaire Tested: **LD6B30D010 EU6B30509730 6LBNGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203878
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 EU6B30509730 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: 1109.5 lumens
Efficiency: N/A
Efficacy: 39.6 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

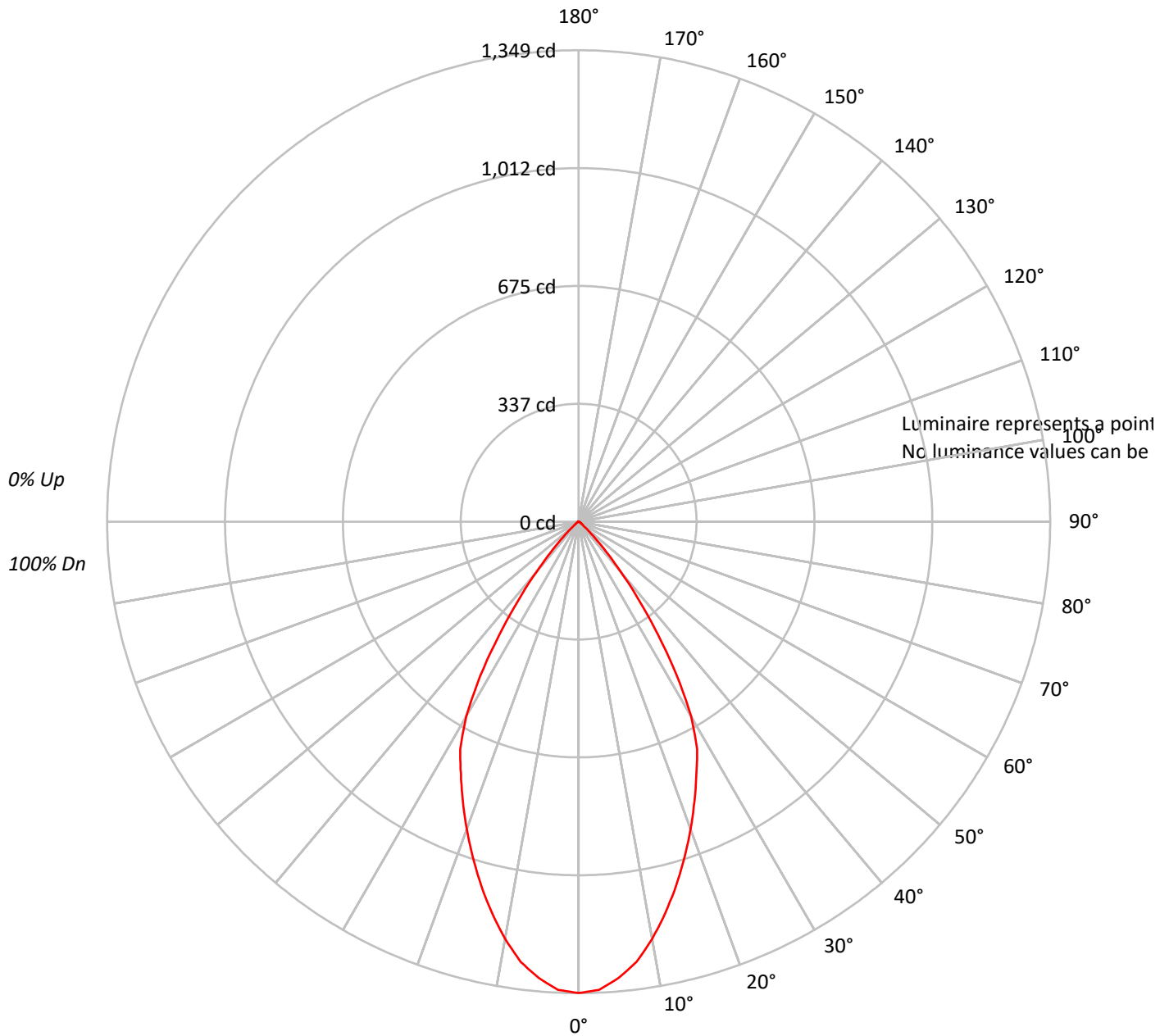
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203878

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBNGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P203878

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBNGPH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	100	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	78	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	79	70	64	60	78	69	64	60	68	63	60		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	61	56	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203878

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBNGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	11.0
10°-20°	301.1	27.1
20°-30°	364.8	32.9
30°-40°	248.6	22.4
40°-50°	59.2	5.3
50°-60°	9.3	0.8
60°-70°	3.4	0.3
70°-80°	1.0	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°	788.0	71.0
0°-40°	1036.6	93.4
0°-60°	1105.1	99.6
0°-90°	1109.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1109.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1349	
5°	1311	122
15°	1078	301
25°	797	365
35°	397	249
45°	63	59
55°	10	9
65°	2	3
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203878

CATALOG NUMBER: LD6B30D010 EU6B30509730 6LBNGPH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1348.6
2.5°	1341.0
5°	1310.7
7.5°	1270.2
10°	1212.0
12.5°	1146.2
15°	1077.9
17.5°	1007.0
20°	936.2
22.5°	865.3
25°	797.0
27.5°	733.8
30°	642.7
32.5°	523.8
35°	397.2
37.5°	283.4
40°	187.2
42.5°	116.4
45°	63.3
47.5°	32.9
50°	17.7
52.5°	12.7
55°	10.1
57.5°	7.6
60°	5.1
62.5°	5.1
65°	2.5
67.5°	2.5
70°	2.5
72.5°	2.5
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)