

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: P203670

Luminaire Tested: **LD6B30D010 EU6B30509050 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203670
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 EU6B30509050 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1619.9 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

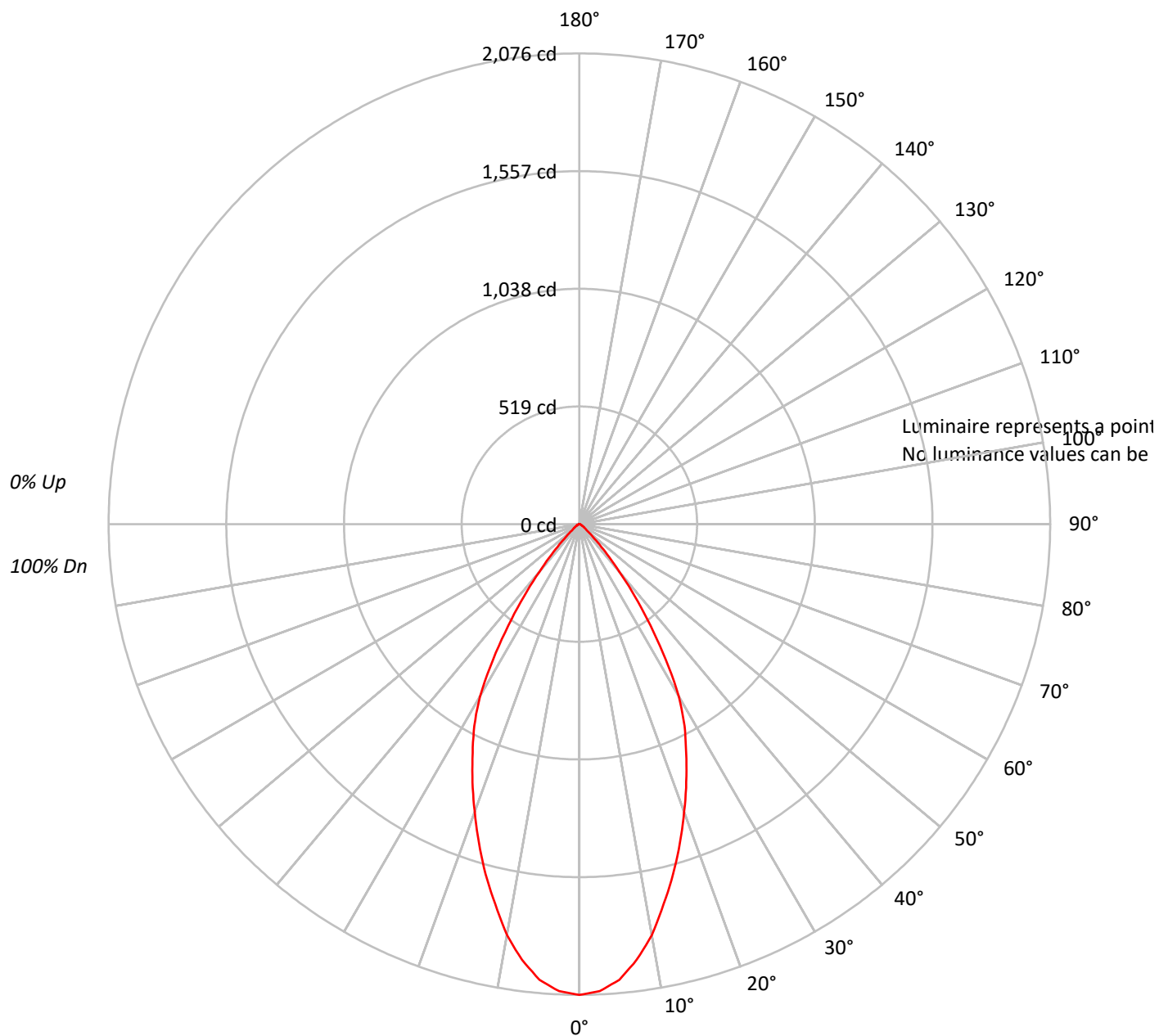
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203670

CATALOG NUMBER: LD6B30D010 EU6B30509050 6LBNH1

Luminous Intensity Polar Plot





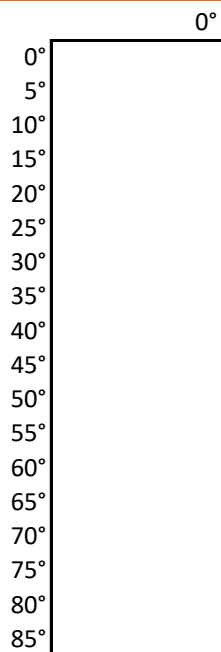
TEST NUMBER: P203670

CATALOG NUMBER: LD6B30D010 EU6B30509050 6LBNH1

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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	69	86	78	72	68	77	72	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	59	56		64	59	56		63
10	72	62	57	53	71	62	57	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203670

CATALOG NUMBER: LD6B30D010 EU6B30509050 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	11.5
10°-20°	445.3	27.5
20°-30°	510.2	31.5
30°-40°	342.8	21.2
40°-50°	97.9	6.0
50°-60°	24.0	1.5
60°-70°	9.1	0.6
70°-80°	3.6	0.2
80°-90°	0.4	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°	1142.2	70.5
0°-40°	1485.0	91.7
0°-60°	1606.9	99.2
0°-90°	1619.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1619.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2076	
5°	2017	187
15°	1598	445
25°	1114	510
35°	546	343
45°	112	98
55°	27	24
65°	9	9
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P203670

CATALOG NUMBER: LD6B30D010 EU6B30509050 6LBNH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2076.5
2.5°	2061.7
5°	2017.4
7.5°	1937.7
10°	1840.2
12.5°	1716.1
15°	1598.0
17.5°	1473.9
20°	1349.9
22.5°	1231.7
25°	1113.6
27.5°	1004.3
30°	877.3
32.5°	708.9
35°	546.4
37.5°	398.8
40°	274.7
42.5°	180.2
45°	112.2
47.5°	67.9
50°	41.4
52.5°	32.5
55°	26.6
57.5°	20.7
60°	14.8
62.5°	11.8
65°	8.9
67.5°	5.9
70°	5.9
72.5°	3.0
75°	3.0
77.5°	3.0
80°	3.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)