

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: P203256

Luminaire Tested: **LD6B30D010 EU6B30509035 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203256
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 EU6B30509035 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1871.1 lumens
Efficiency: N/A
Efficacy: 66.8 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

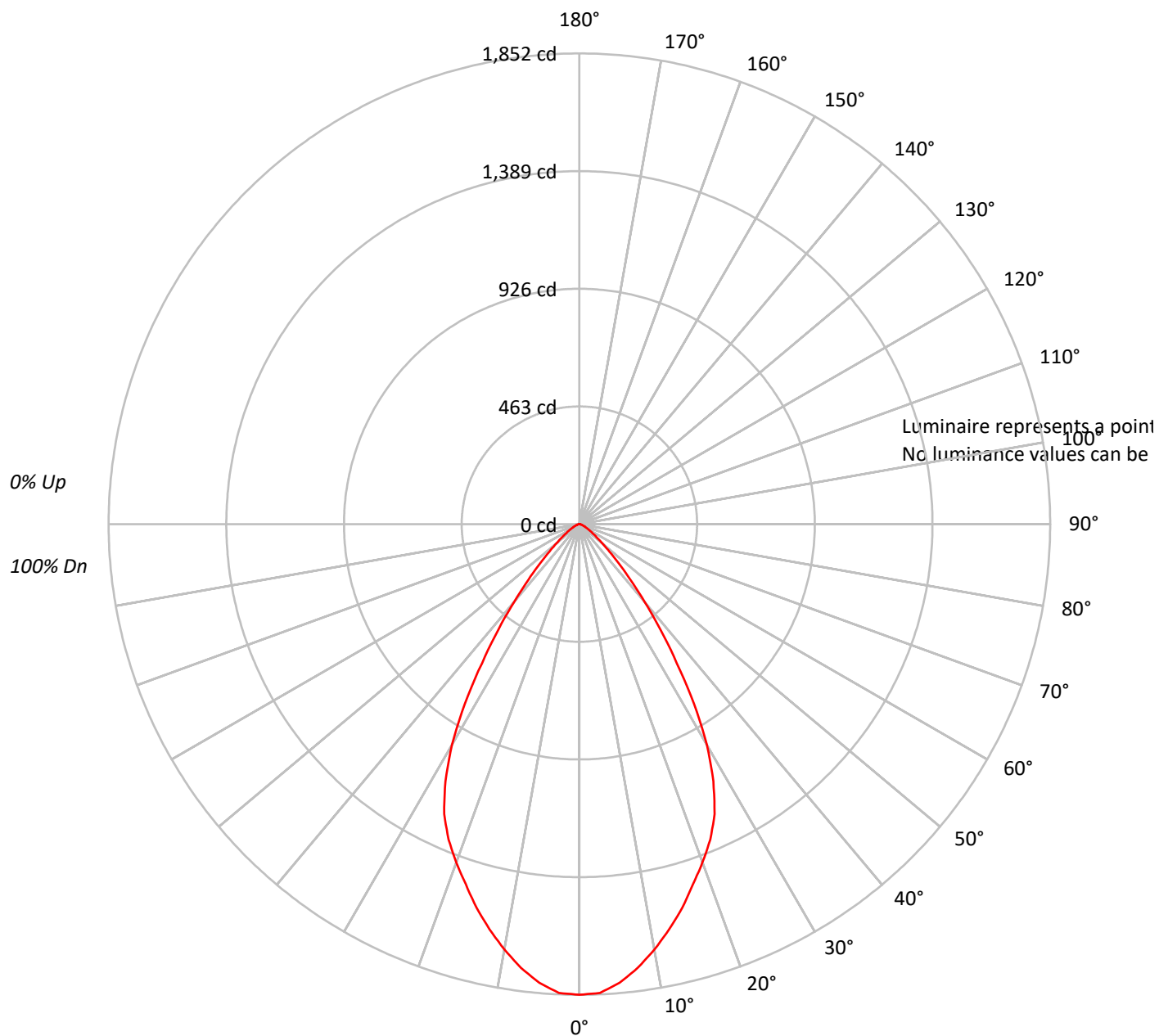
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203256

CATALOG NUMBER: LD6B30D010 EU6B30509035 6LBMH1

Luminous Intensity Polar Plot





TEST NUMBER: P203256

CATALOG NUMBER: LD6B30D010 EU6B30509035 6LBMH1

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

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203256

CATALOG NUMBER: LD6B30D010 EU6B30509035 6LBMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	9.0
10°-20°	438.0	23.4
20°-30°	567.5	30.3
30°-40°	421.3	22.5
40°-50°	177.9	9.5
50°-60°	63.2	3.4
60°-70°	24.4	1.3
70°-80°	8.4	0.5
80°-90°	1.1	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°	1174.8	62.8
0°-40°	1596.2	85.3
0°-60°	1837.2	98.2
0°-90°	1871.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1871.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1852	
5°	1812	169
15°	1563	438
25°	1258	568
35°	668	421
45°	219	178
55°	67	63
65°	24	24
75°	8	8
85°	0	1
90°	0	



TEST NUMBER: P203256

CATALOG NUMBER: LD6B30D010 EU6B30509035 6LBMH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1851.7
2.5°	1846.3
5°	1811.6
7.5°	1760.8
10°	1699.4
12.5°	1632.6
15°	1563.1
17.5°	1485.6
20°	1416.2
22.5°	1344.0
25°	1258.5
27.5°	1140.9
30°	1002.0
32.5°	839.0
35°	668.0
37.5°	523.7
40°	398.1
42.5°	296.6
45°	219.1
47.5°	160.3
50°	117.6
52.5°	88.2
55°	66.8
57.5°	50.8
60°	40.1
62.5°	29.4
65°	24.0
67.5°	18.7
70°	13.4
72.5°	10.7
75°	8.0
77.5°	5.3
80°	2.7
82.5°	2.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)