

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: P205103

Luminaire Tested: **LD6B30D010 EU6B30508030 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205103
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 EU6B30508030 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH 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: 2644.2 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

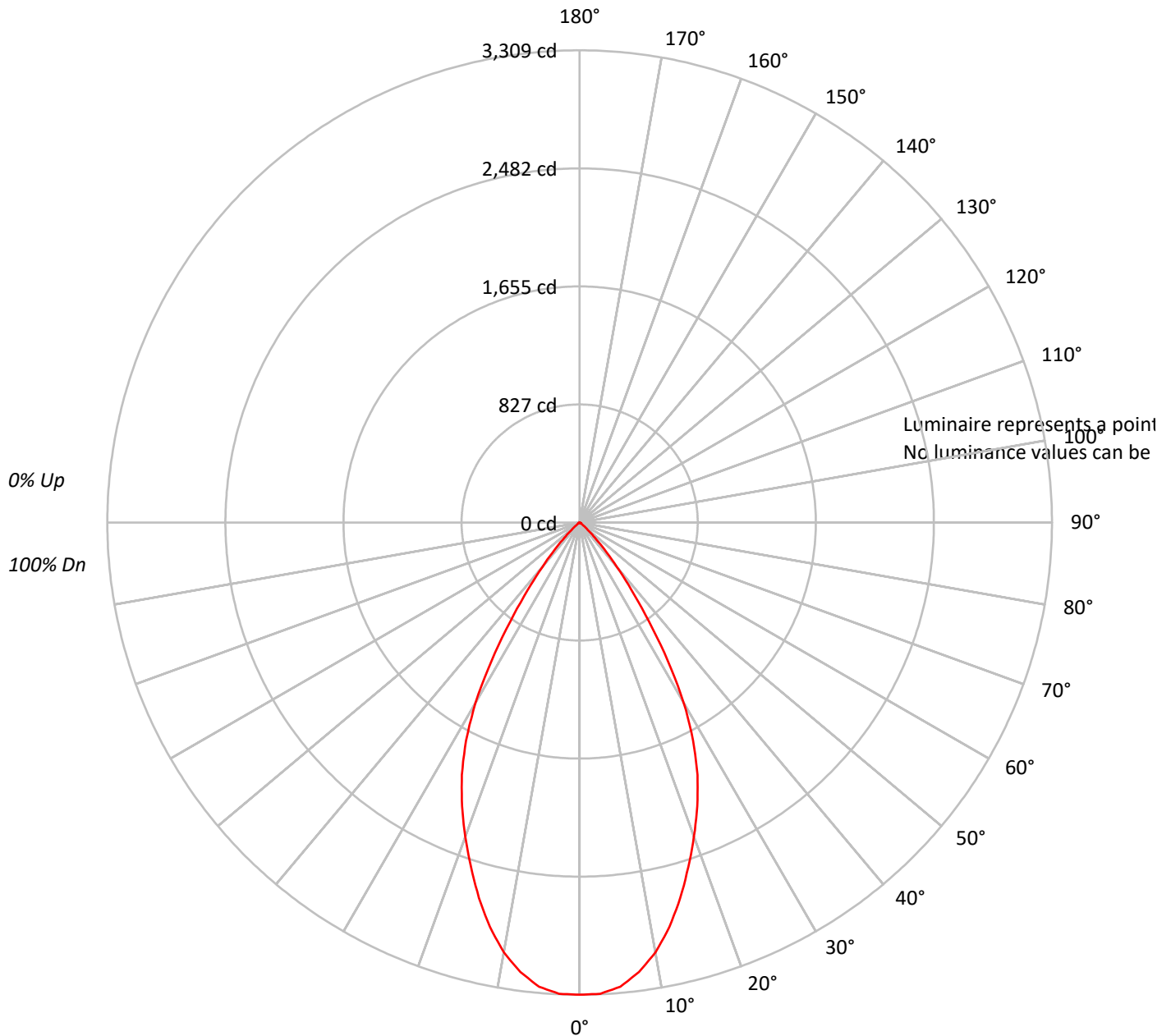
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205103

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBMLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205103

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBMLI1

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	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205103

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBMLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.8	11.5
10°-20°	758.9	28.7
20°-30°	882.2	33.4
30°-40°	540.3	20.4
40°-50°	134.2	5.1
50°-60°	15.7	0.6
60°-70°	5.9	0.2
70°-80°	2.2	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°	1946.0	73.6
0°-40°	2486.3	94.0
0°-60°	2636.1	99.7
0°-90°	2644.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3309	
5°	3265	305
15°	2724	759
25°	1952	882
35°	846	540
45°	149	134
55°	14	16
65°	7	6
75°	3	2
85°	0	0
90°	0	



TEST NUMBER: P205103

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBMLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3309.0
2.5°	3305.7
5°	3265.1
7.5°	3177.1
10°	3058.7
12.5°	2903.0
15°	2723.7
17.5°	2530.8
20°	2341.4
22.5°	2151.9
25°	1952.3
27.5°	1722.2
30°	1458.3
32.5°	1150.4
35°	845.9
37.5°	595.5
40°	406.0
42.5°	253.8
45°	148.9
47.5°	84.6
50°	44.0
52.5°	20.3
55°	13.5
57.5°	10.2
60°	10.2
62.5°	6.8
65°	6.8
67.5°	3.4
70°	3.4
72.5°	3.4
75°	3.4
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)