

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: P205413

Luminaire Tested: **LD6B30D010 EU6B30509030 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205413
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 EU6B30509030 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 2720.7 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

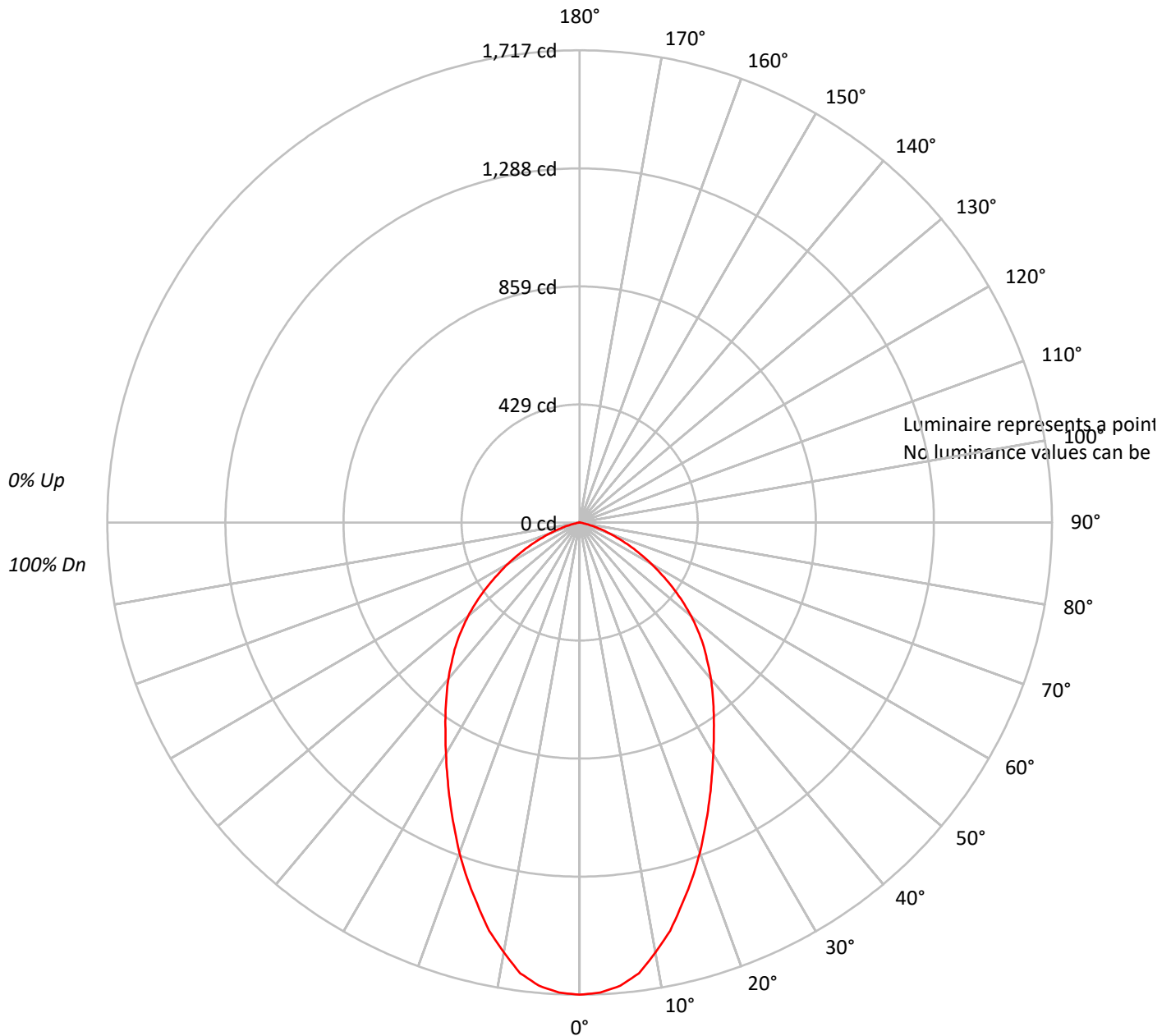
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205413

CATALOG NUMBER: LD6B30D010 EU6B30509030 6LBSLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205413

CATALOG NUMBER: LD6B30D010 EU6B30509030 6LBSLI1

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	111	107	104	101	109	105	102	99		101	99	96			97	95	93			94
2	103	96	91	86	100	94	89	85		91	87	83			88	84	81			85
3	95	86	79	74	93	85	78	73		82	76	72			79	75	71			77
4	88	78	70	64	86	77	69	64		74	68	63			72	67	62			70
5	82	71	63	57	80	70	62	57		67	61	56			66	60	55			64
6	76	64	56	51	74	63	56	51		62	55	50			60	54	50			59
7	71	59	51	46	70	58	51	45		57	50	45			55	49	45			54
8	67	54	47	41	65	54	46	41		52	46	41			51	45	41			50
9	63	50	43	38	61	50	43	38		49	42	38			48	42	37			47
10	59	47	40	35	58	46	39	35		45	39	35			45	39	34			44

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205413

CATALOG NUMBER: LD6B30D010 EU6B30509030 6LBSLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	5.8
10°-20°	402.8	14.8
20°-30°	513.6	18.9
30°-40°	532.6	19.6
40°-50°	490.8	18.0
50°-60°	369.2	13.6
60°-70°	199.3	7.3
70°-80°	53.4	2.0
80°-90°	0.8	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°	1074.6	39.5
0°-40°	1607.3	59.1
0°-60°	2467.2	90.7
0°-90°	2720.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2720.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1717	
5°	1691	158
15°	1437	403
25°	1116	514
35°	850	533
45°	639	491
55°	413	369
65°	199	199
75°	46	53
85°	0	1
90°	0	



TEST NUMBER: P205413

CATALOG NUMBER: LD6B30D010 EU6B30509030 6LBSLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1716.9
2.5°	1711.2
5°	1690.9
7.5°	1653.3
10°	1586.9
12.5°	1520.4
15°	1436.6
17.5°	1358.5
20°	1277.6
22.5°	1193.8
25°	1115.7
27.5°	1040.6
30°	971.2
32.5°	907.6
35°	849.8
37.5°	794.9
40°	742.8
42.5°	687.9
45°	638.8
47.5°	583.9
50°	529.0
52.5°	471.1
55°	413.3
57.5°	355.5
60°	300.6
62.5°	248.6
65°	199.4
67.5°	153.2
70°	112.7
72.5°	78.0
75°	46.2
77.5°	20.2
80°	5.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)