

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: P205402

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205402
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: LD6B20D010 EU6B10209040 6LBSLI1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1906.2 lumens
Efficiency: N/A
Efficacy: 91.6 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

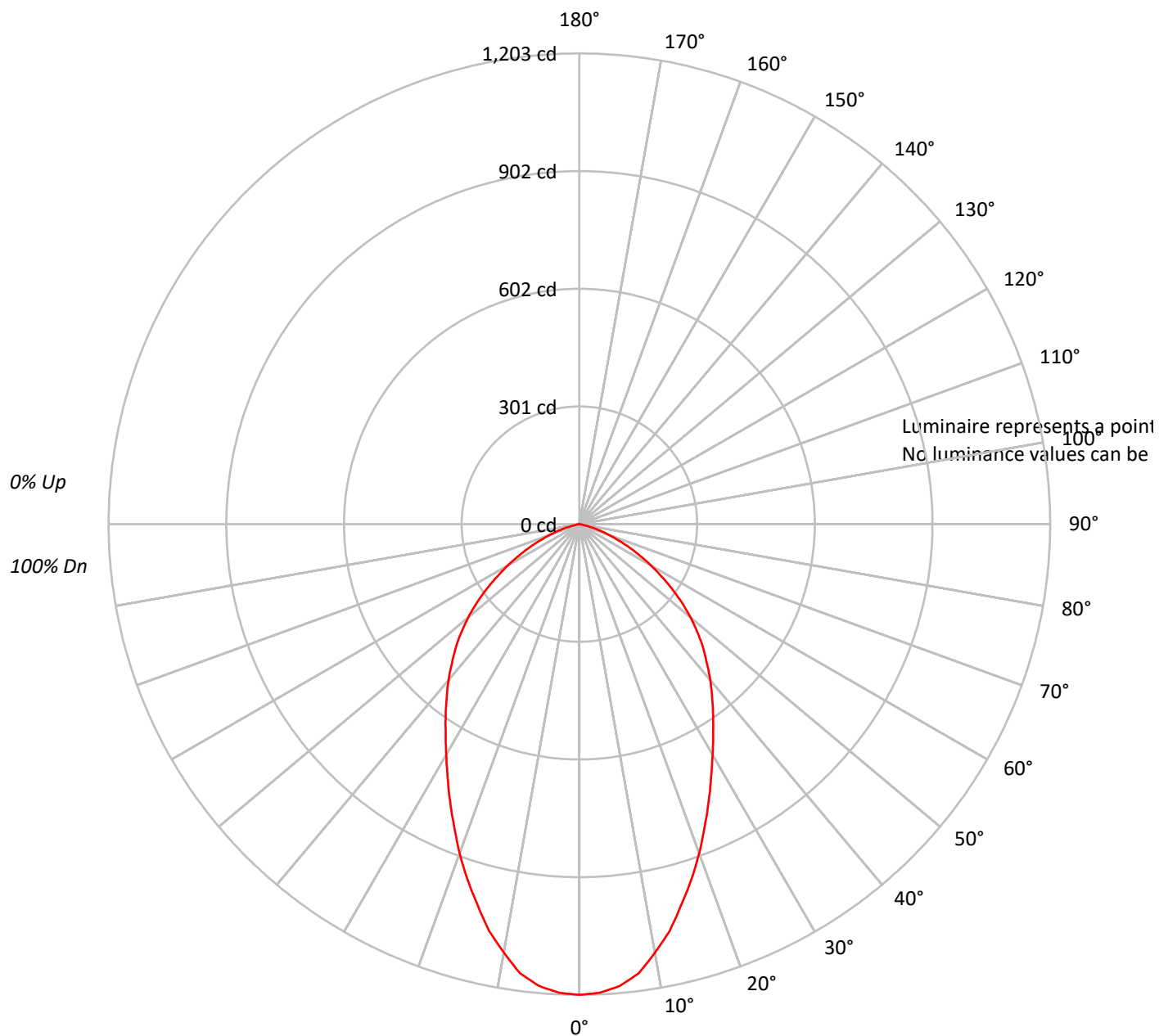
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205402

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205402

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	111	107	104	101	109	105	102	99		101	99	96			97	95	93			89
2	103	96	91	86	100	94	89	85		91	87	83			88	84	81			77
3	95	86	79	74	93	85	78	73		82	76	72			79	75	71			68
4	88	78	70	64	86	77	69	64		74	68	63			72	67	62			60
5	82	71	63	57	80	70	62	57		67	61	56			66	60	55			53
6	76	64	56	51	74	63	56	51		62	55	50			60	54	50			47
7	71	59	51	46	70	58	51	45		57	50	45			55	49	45			43
8	67	54	47	41	65	54	46	41		52	46	41			51	45	41			39
9	63	50	43	38	61	50	43	38		49	42	38			48	42	37			36
10	59	47	40	35	58	46	39	35		45	39	35			45	39	34			33

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205402

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	5.8
10°-20°	282.2	14.8
20°-30°	359.8	18.9
30°-40°	373.2	19.6
40°-50°	343.9	18.0
50°-60°	258.7	13.6
60°-70°	139.6	7.3
70°-80°	37.5	2.0
80°-90°	0.6	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°	752.9	39.5
0°-40°	1126.1	59.1
0°-60°	1728.6	90.7
0°-90°	1906.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1906.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1203	
5°	1185	111
15°	1006	282
25°	782	360
35°	595	373
45°	448	344
55°	290	259
65°	140	140
75°	32	37
85°	0	1
90°	0	



TEST NUMBER: P205402

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBSLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1202.9
2.5°	1198.8
5°	1184.7
7.5°	1158.3
10°	1111.8
12.5°	1065.2
15°	1006.5
17.5°	951.8
20°	895.1
22.5°	836.4
25°	781.7
27.5°	729.0
30°	680.4
32.5°	635.9
35°	595.4
37.5°	556.9
40°	520.4
42.5°	482.0
45°	447.5
47.5°	409.1
50°	370.6
52.5°	330.1
55°	289.6
57.5°	249.1
60°	210.6
62.5°	174.2
65°	139.7
67.5°	107.3
70°	79.0
72.5°	54.7
75°	32.4
77.5°	14.2
80°	4.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)