

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: P203653

Luminaire Tested: **LD6B20D010 EU6B10209027 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203653
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 EU6B10209027 6LBNH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SEMI-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: 1052.6 lumens
Efficiency: N/A
Efficacy: 50.6 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

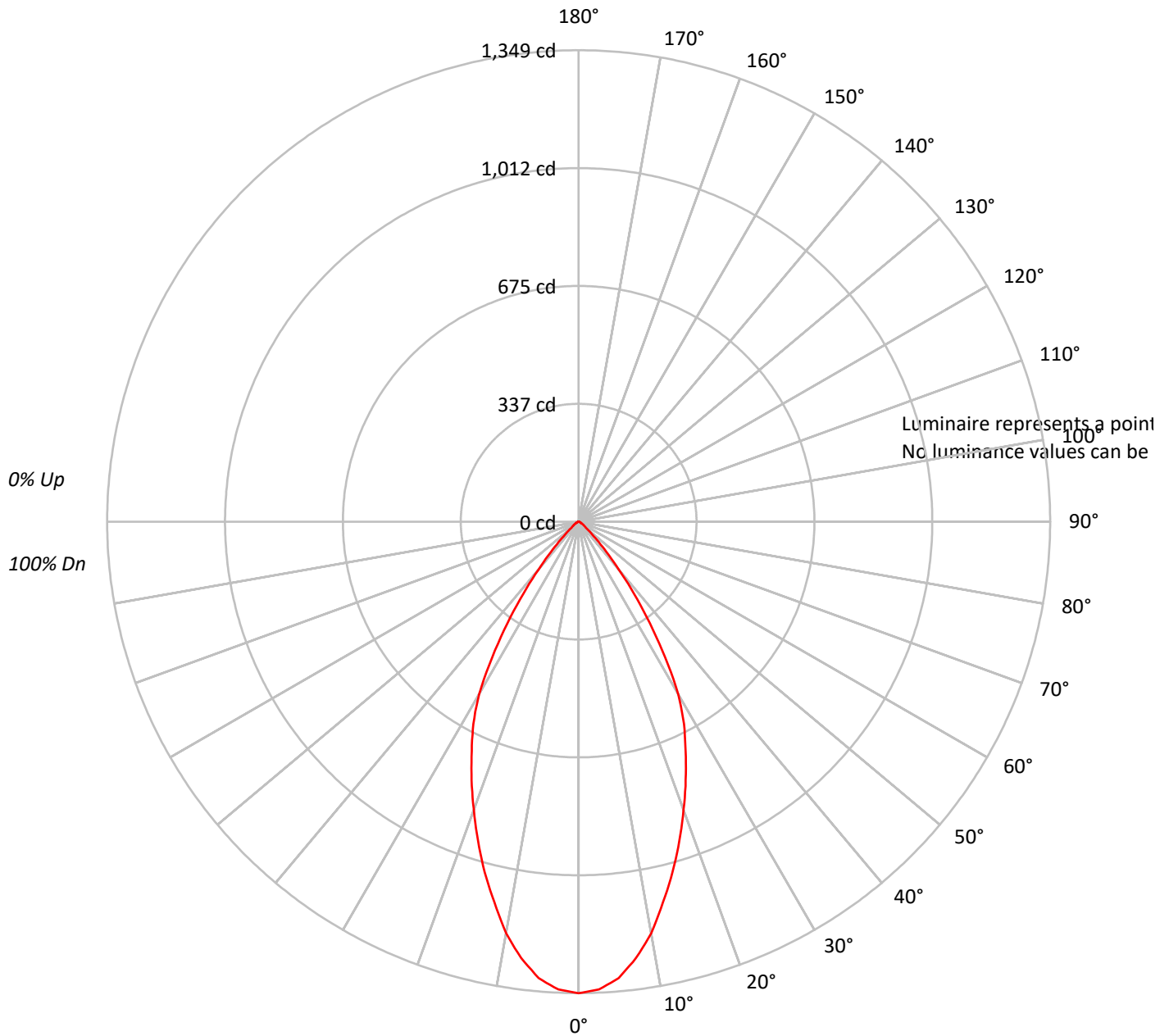
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203653

CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBNH1

Luminous Intensity Polar Plot





TEST NUMBER: P203653

CATALOG NUMBER: LD6B20D010 EU6B10209027 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: P203653

CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBNH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	11.5
10°-20°	289.4	27.5
20°-30°	331.5	31.5
30°-40°	222.7	21.2
40°-50°	63.6	6.0
50°-60°	15.6	1.5
60°-70°	5.9	0.6
70°-80°	2.3	0.2
80°-90°	0.3	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°	742.2	70.5
0°-40°	965.0	91.7
0°-60°	1044.2	99.2
0°-90°	1052.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1349	
5°	1311	121
15°	1038	289
25°	724	332
35°	355	223
45°	73	64
55°	17	16
65°	6	6
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P203653

CATALOG NUMBER: LD6B20D010 EU6B10209027 6LBNH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1349.4
2.5°	1339.8
5°	1311.0
7.5°	1259.2
10°	1195.8
12.5°	1115.2
15°	1038.4
17.5°	957.8
20°	877.2
22.5°	800.4
25°	723.6
27.5°	652.6
30°	570.1
32.5°	460.7
35°	355.1
37.5°	259.1
40°	178.5
42.5°	117.1
45°	72.9
47.5°	44.1
50°	26.9
52.5°	21.1
55°	17.3
57.5°	13.4
60°	9.6
62.5°	7.7
65°	5.8
67.5°	3.8
70°	3.8
72.5°	1.9
75°	1.9
77.5°	1.9
80°	1.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)