

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: P203029

Luminaire Tested: **LD6B20D010 EU6B10208027 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203029
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 EU6B10208027 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 1096.9 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

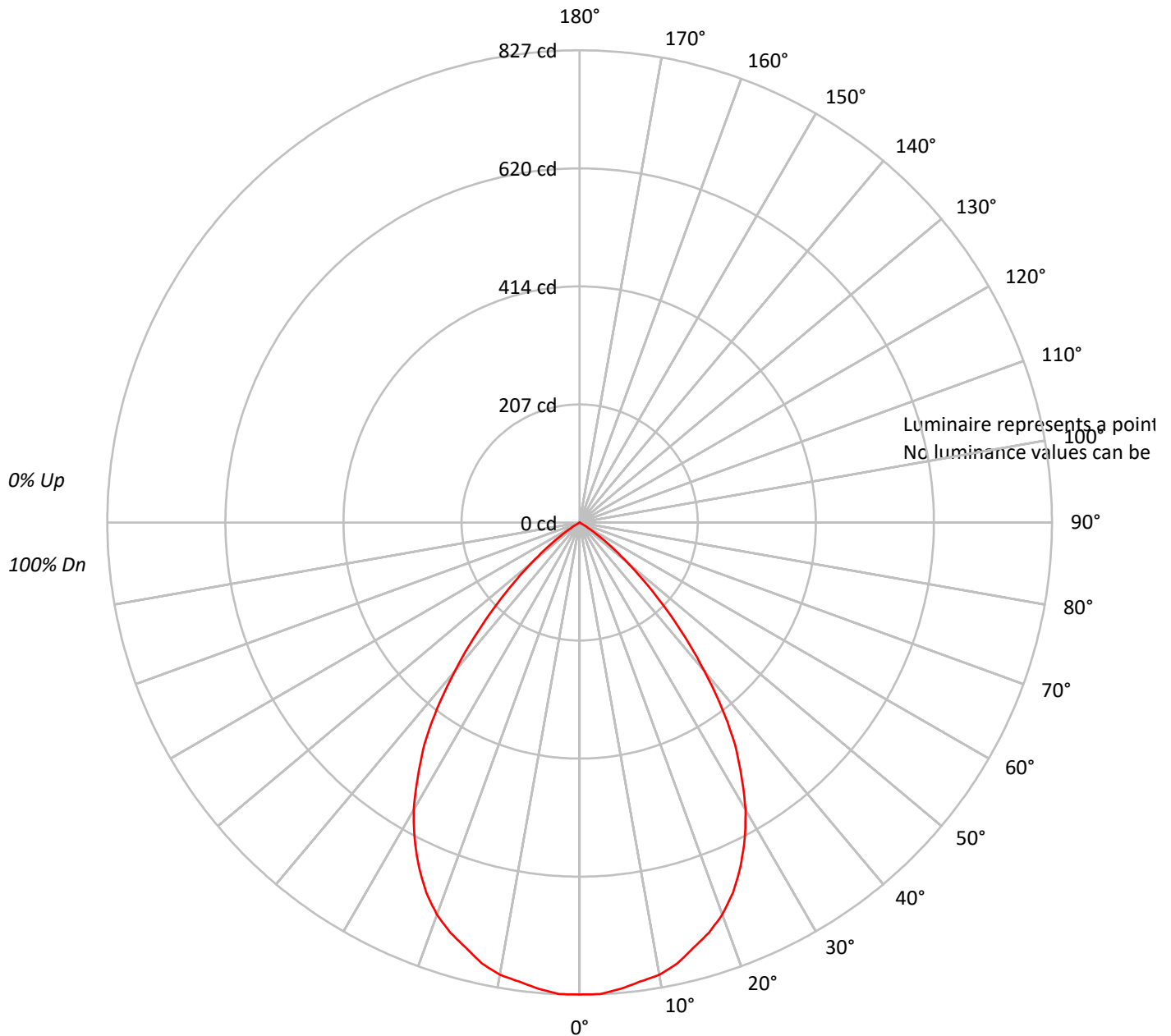
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203029

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBWB1

Luminous Intensity Polar Plot





TEST NUMBER: P203029

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBWB1

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	110	108	105	103	104	102	100		100	98	97		96
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	73		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	83	73	67	62	82	72	66	61	71	65	61		69	64	61		68
7	78	68	61	56	77	67	61	56	66	60	56		65	60	56		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	52	48	69	58	52	48	57	52	48		57	51	47		56
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203029

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBWB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	7.1
10°-20°	217.4	19.8
20°-30°	304.5	27.8
30°-40°	290.8	26.5
40°-50°	165.6	15.1
50°-60°	40.5	3.7
60°-70°	0.5	0.0
70°-80°	0.0	0.0
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°	599.5	54.7
0°-40°	890.3	81.2
0°-60°	1096.4	100.0
0°-90°	1096.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1096.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	827	
5°	820	78
15°	771	217
25°	666	304
35°	474	291
45°	212	166
55°	40	40
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203029

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBWB1

CANDELA DISTRIBUTION (FULL):

0°	
0°	826.7
2.5°	826.7
5°	820.0
7.5°	811.1
10°	804.4
12.5°	791.0
15°	770.8
17.5°	753.0
20°	730.6
22.5°	701.6
25°	665.8
27.5°	625.6
30°	580.9
32.5°	527.3
35°	473.7
37.5°	408.9
40°	339.6
42.5°	274.8
45°	212.3
47.5°	156.4
50°	109.5
52.5°	69.3
55°	40.2
57.5°	17.9
60°	4.5
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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)