

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: P203235

Luminaire Tested: **LD6B20D010 EU6B10208027 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203235
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 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1425.3 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

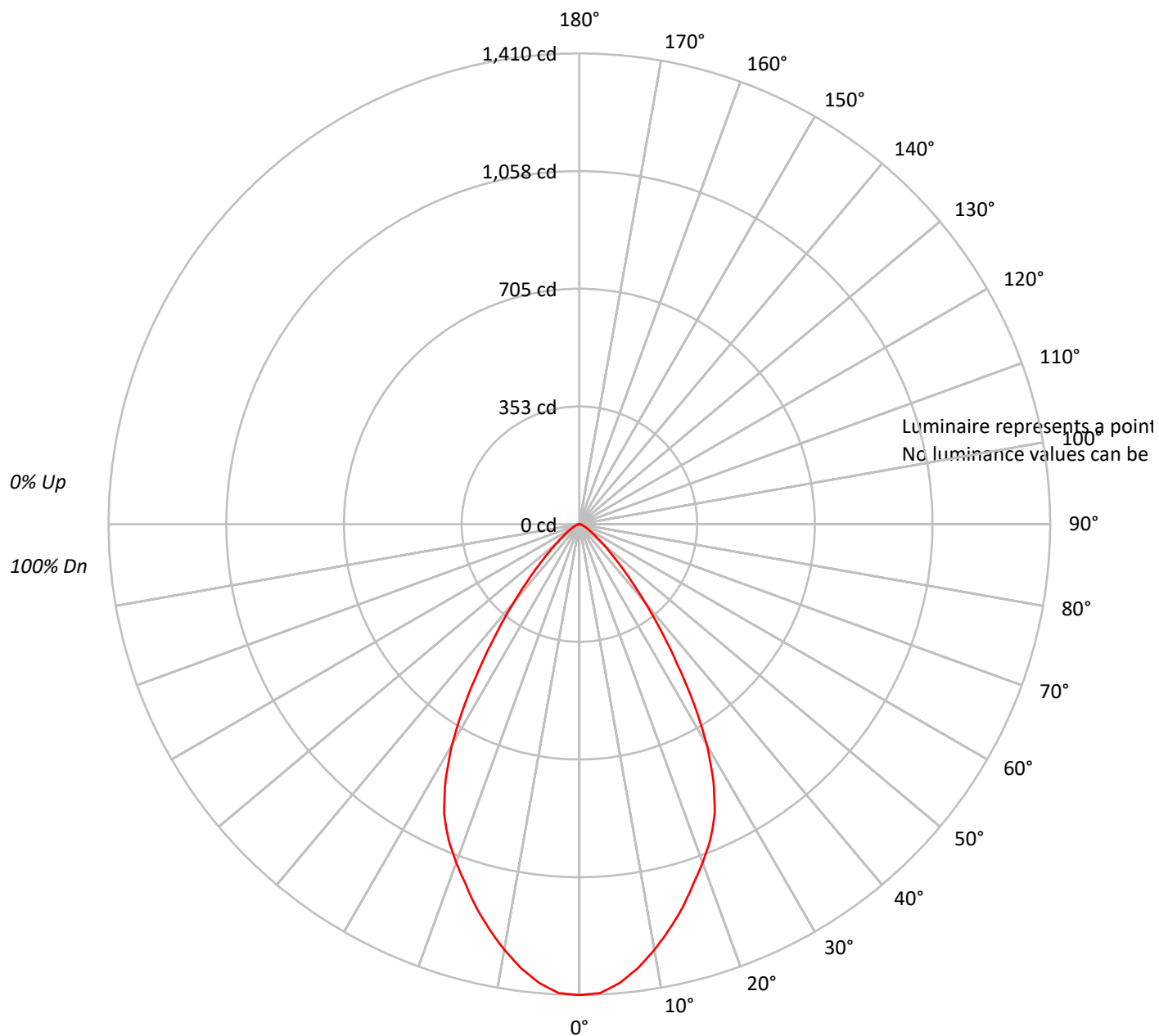
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203235

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBMH1

Luminous Intensity Polar Plot





TEST NUMBER: P203235

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBMH1

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	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	93	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	88	84	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	60	55	75	65	59	55	64	59	55		63	58	55		62
9	72	62	56	51	71	61	55	51	60	55	51		60	55	51		59
10	69	58	52	48	68	58	52	48	57	52	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203235

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	9.0
10°-20°	333.6	23.4
20°-30°	432.3	30.3
30°-40°	320.9	22.5
40°-50°	135.5	9.5
50°-60°	48.1	3.4
60°-70°	18.6	1.3
70°-80°	6.4	0.5
80°-90°	0.8	0.1
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°	894.9	62.8
0°-40°	1215.9	85.3
0°-60°	1399.5	98.2
0°-90°	1425.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1410	
5°	1380	129
15°	1191	334
25°	959	432
35°	509	321
45°	167	135
55°	51	48
65°	18	19
75°	6	6
85°	0	1
90°	0	



TEST NUMBER: P203235

CATALOG NUMBER: LD6B20D010 EU6B10208027 6LBMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1410.5
2.5°	1406.4
5°	1380.0
7.5°	1341.3
10°	1294.5
12.5°	1243.6
15°	1190.7
17.5°	1131.7
20°	1078.8
22.5°	1023.8
25°	958.7
27.5°	869.1
30°	763.3
32.5°	639.1
35°	508.8
37.5°	398.9
40°	303.3
42.5°	225.9
45°	166.9
47.5°	122.1
50°	89.6
52.5°	67.2
55°	50.9
57.5°	38.7
60°	30.5
62.5°	22.4
65°	18.3
67.5°	14.2
70°	10.2
72.5°	8.1
75°	6.1
77.5°	4.1
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)