

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: P203141

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203141
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 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE 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: 1671.2 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

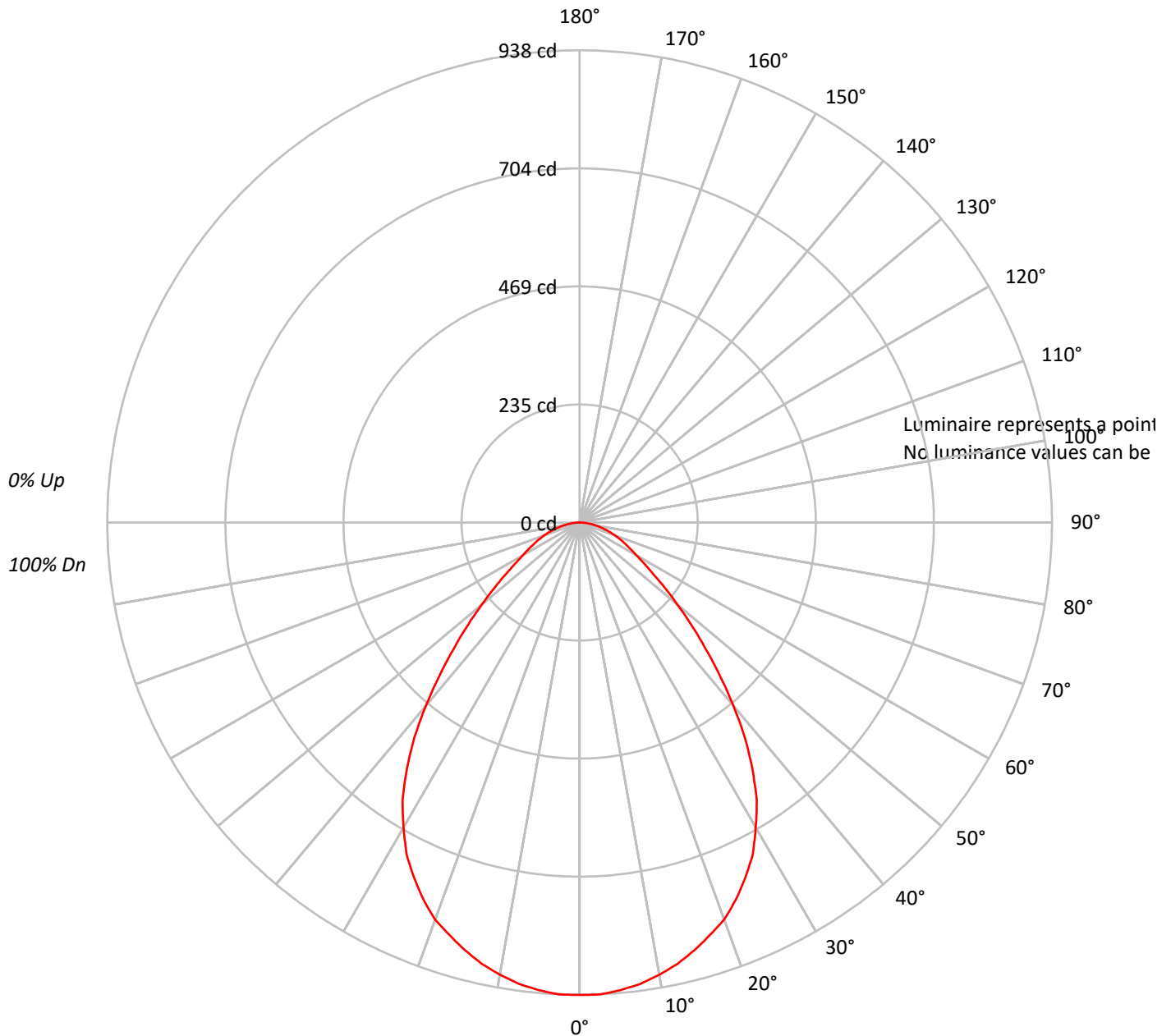
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203141

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBWMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203141

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBWMW1

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	100		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	86		100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	80	74		93	85	79	74		82	77	72		80	75	71		77	73	70
4	89	78	71	65		86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	64	58		80	70	63	58		68	62	57		66	61	56		65	60	56
6	77	65	57	52		75	64	57	52		63	56	51		61	55	51		60	54	50
7	72	60	52	47		70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	42		66	55	47	42		53	47	42		52	46	42		51	46	42
9	63	51	44	39		62	51	44	39		50	43	39		49	43	38		48	42	38
10	60	48	40	36		58	47	40	36		46	40	36		45	40	35		45	39	35

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203141

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBWMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	5.3
10°-20°	247.9	14.8
20°-30°	357.1	21.4
30°-40°	370.8	22.2
40°-50°	274.1	16.4
50°-60°	163.7	9.8
60°-70°	99.5	6.0
70°-80°	54.5	3.3
80°-90°	15.2	0.9
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°	693.4	41.5
0°-40°	1064.1	63.7
0°-60°	1502.0	89.9
0°-90°	1671.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	938	
5°	932	88
15°	880	248
25°	778	357
35°	598	371
45°	353	274
55°	178	164
65°	99	100
75°	51	54
85°	12	15
90°	0	



TEST NUMBER: P203141

CATALOG NUMBER: LD6B20D010 EU6B10209040 6LBWMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	938.5
2.5°	938.5
5°	932.4
7.5°	924.3
10°	912.1
12.5°	897.9
15°	879.7
17.5°	859.4
20°	839.2
22.5°	810.8
25°	778.3
27.5°	743.9
30°	699.3
32.5°	654.7
35°	598.0
37.5°	539.2
40°	474.3
42.5°	411.5
45°	352.7
47.5°	300.0
50°	253.4
52.5°	212.8
55°	178.4
57.5°	152.0
60°	129.7
62.5°	113.5
65°	99.3
67.5°	87.2
70°	75.0
72.5°	62.8
75°	50.7
77.5°	40.5
80°	30.4
82.5°	22.3
85°	12.2
87.5°	6.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)