

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: P205294

Luminaire Tested: **LD6B20D010 EU6B10208040 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205294
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 EU6B10208040 6LBNL1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 1678.4 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

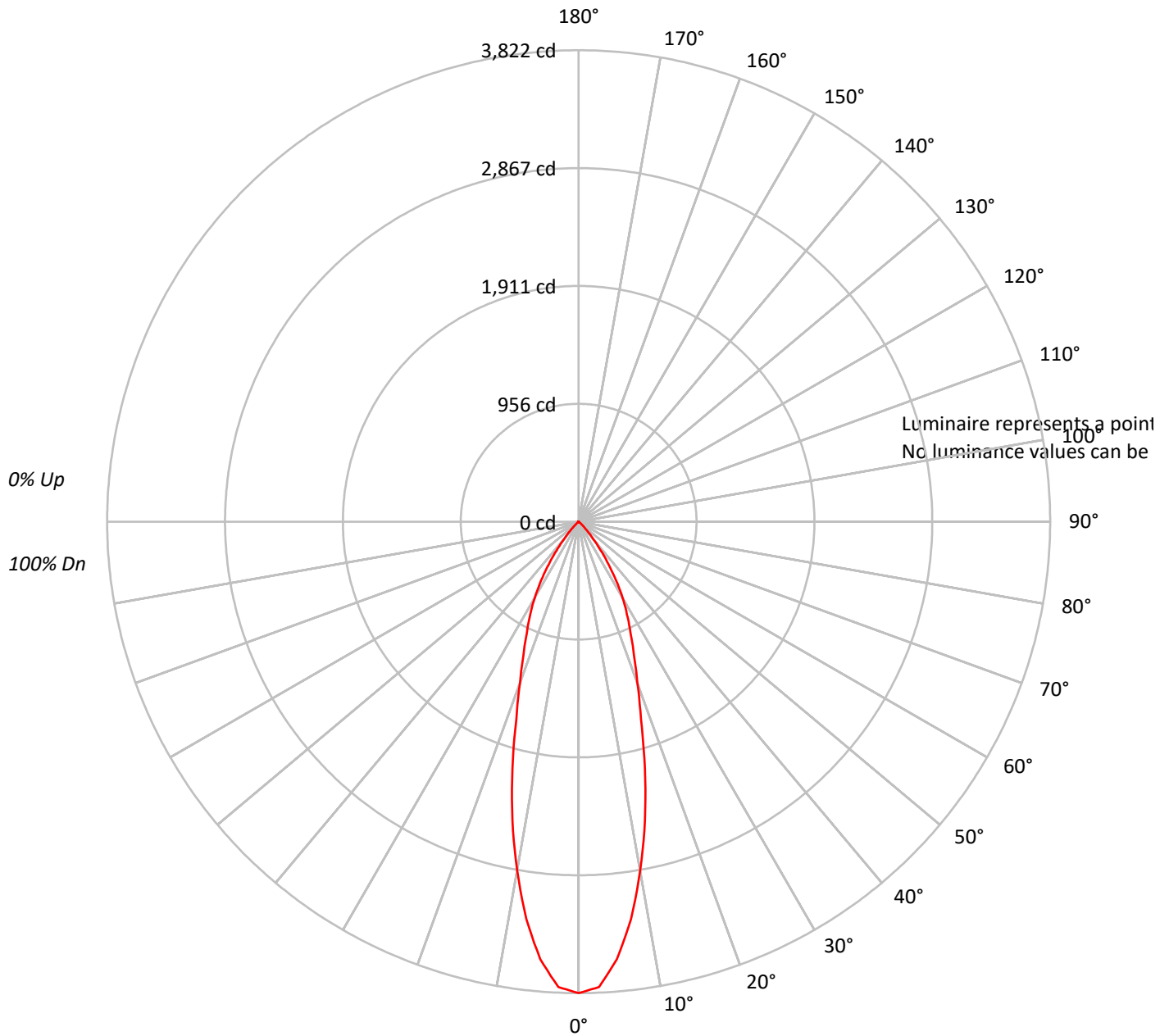
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205294

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205294

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNLI1

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	114	112	109	107		112	109	107	106		105	104	102		102	101	99		98	97	96
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91
3	105	99	94	91		103	97	93	90		95	91	89		93	90	87		90	88	86
4	100	93	88	85		98	92	88	84		90	86	83		88	85	82		86	84	81
5	96	88	83	79		94	87	83	79		86	82	78		84	81	78		83	80	77
6	92	84	79	75		90	83	78	75		82	77	74		80	76	74		79	76	73
7	88	80	74	71		87	79	74	71		78	73	70		77	73	70		76	72	69
8	84	76	71	67		83	75	70	67		74	70	67		73	69	66		73	69	66
9	81	73	67	64		80	72	67	64		71	67	63		70	66	63		70	66	63
10	78	69	64	61		77	69	64	61		68	64	61		67	63	60		67	63	60

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205294

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.7	18.9
10°-20°	570.3	34.0
20°-30°	461.1	27.5
30°-40°	265.6	15.8
40°-50°	56.2	3.3
50°-60°	4.8	0.3
60°-70°	2.4	0.1
70°-80°	0.3	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°	1349.1	80.4
0°-40°	1614.7	96.2
0°-60°	1675.7	99.8
0°-90°	1678.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1678.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3822	
5°	3560	318
15°	2072	570
25°	995	461
35°	421	266
45°	60	56
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P205294

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3821.5
2.5°	3775.5
5°	3560.1
7.5°	3250.3
10°	2870.4
12.5°	2480.7
15°	2071.7
17.5°	1677.2
20°	1389.2
22.5°	1169.0
25°	994.7
27.5°	847.1
30°	714.0
32.5°	566.3
35°	421.1
37.5°	292.8
40°	191.2
42.5°	116.2
45°	60.5
47.5°	24.2
50°	7.3
52.5°	7.3
55°	4.8
57.5°	4.8
60°	2.4
62.5°	2.4
65°	2.4
67.5°	2.4
70°	2.4
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)