

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: P205094

Luminaire Tested: **LD6B20D010 EU6B10209024 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205094
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 EU6B10209024 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1317.6 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

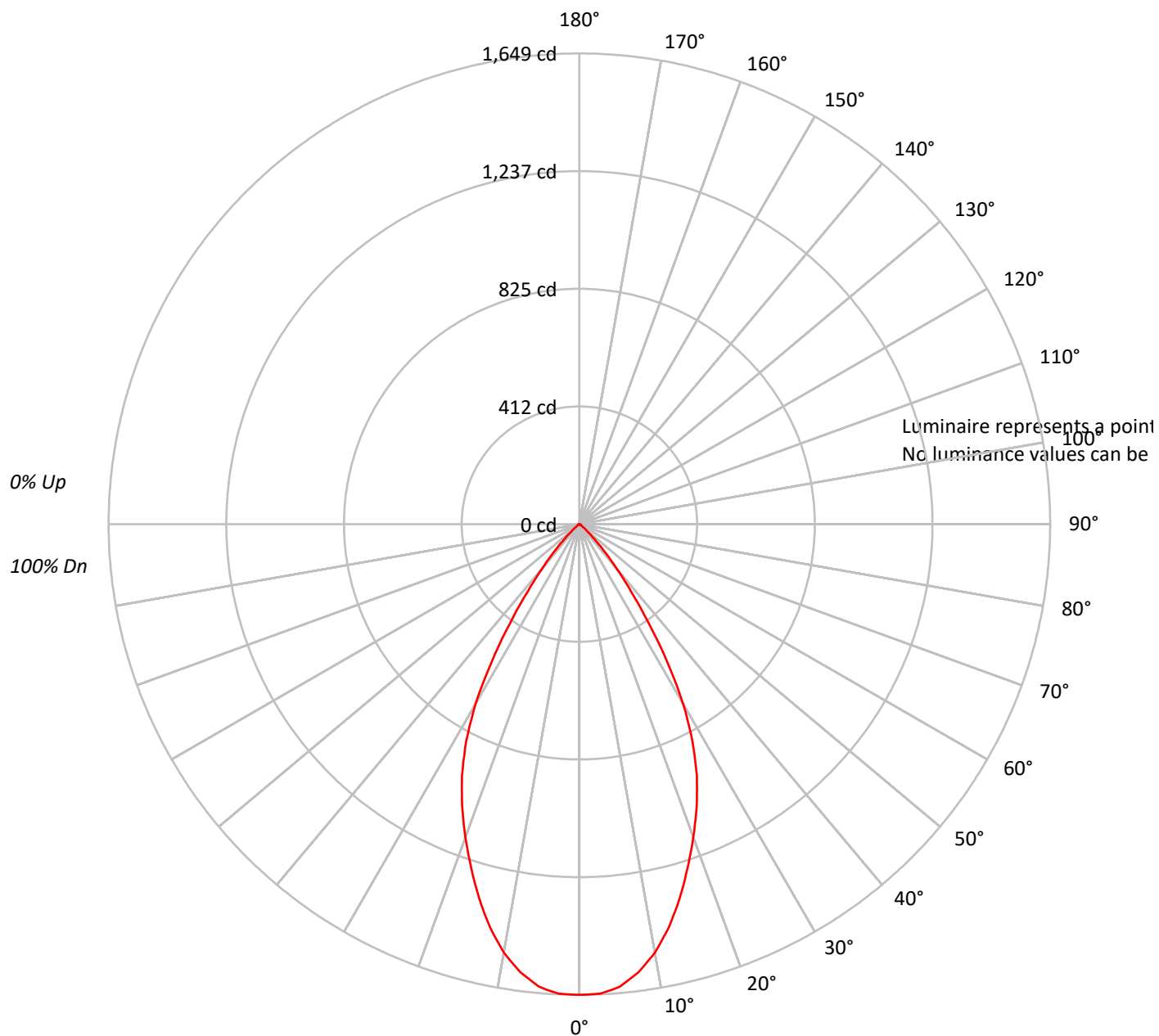
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205094

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBMLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205094

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBMLI1

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205094

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBMLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	11.5
10°-20°	378.2	28.7
20°-30°	439.6	33.4
30°-40°	269.2	20.4
40°-50°	66.8	5.1
50°-60°	7.8	0.6
60°-70°	2.9	0.2
70°-80°	1.1	0.1
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°	969.7	73.6
0°-40°	1238.9	94.0
0°-60°	1313.5	99.7
0°-90°	1317.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1649	
5°	1627	152
15°	1357	378
25°	973	440
35°	422	269
45°	74	67
55°	7	8
65°	3	3
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P205094

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBMLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1648.9
2.5°	1647.2
5°	1626.9
7.5°	1583.1
10°	1524.1
12.5°	1446.5
15°	1357.2
17.5°	1261.1
20°	1166.7
22.5°	1072.3
25°	972.8
27.5°	858.2
30°	726.6
32.5°	573.2
35°	421.5
37.5°	296.7
40°	202.3
42.5°	126.4
45°	74.2
47.5°	42.1
50°	21.9
52.5°	10.1
55°	6.7
57.5°	5.1
60°	5.1
62.5°	3.4
65°	3.4
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
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)