

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: P209419

Luminaire Tested: **LDSQ6B15D010 EU6B10208027 6LBCSSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P209419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35359)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQ6B15D010 EU6B10208027 6LBCSSQ1MMS
Description: PORTFOLIO LD6 SERIES 6" RECESSED FIXTURE WITH A SQUARE SHALLOW CAST METALLIC SILVER TRIM
MEDIUM DISTRIBUTION WITH MATTE METALLIC SILVER TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED 2700 K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1528.1 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

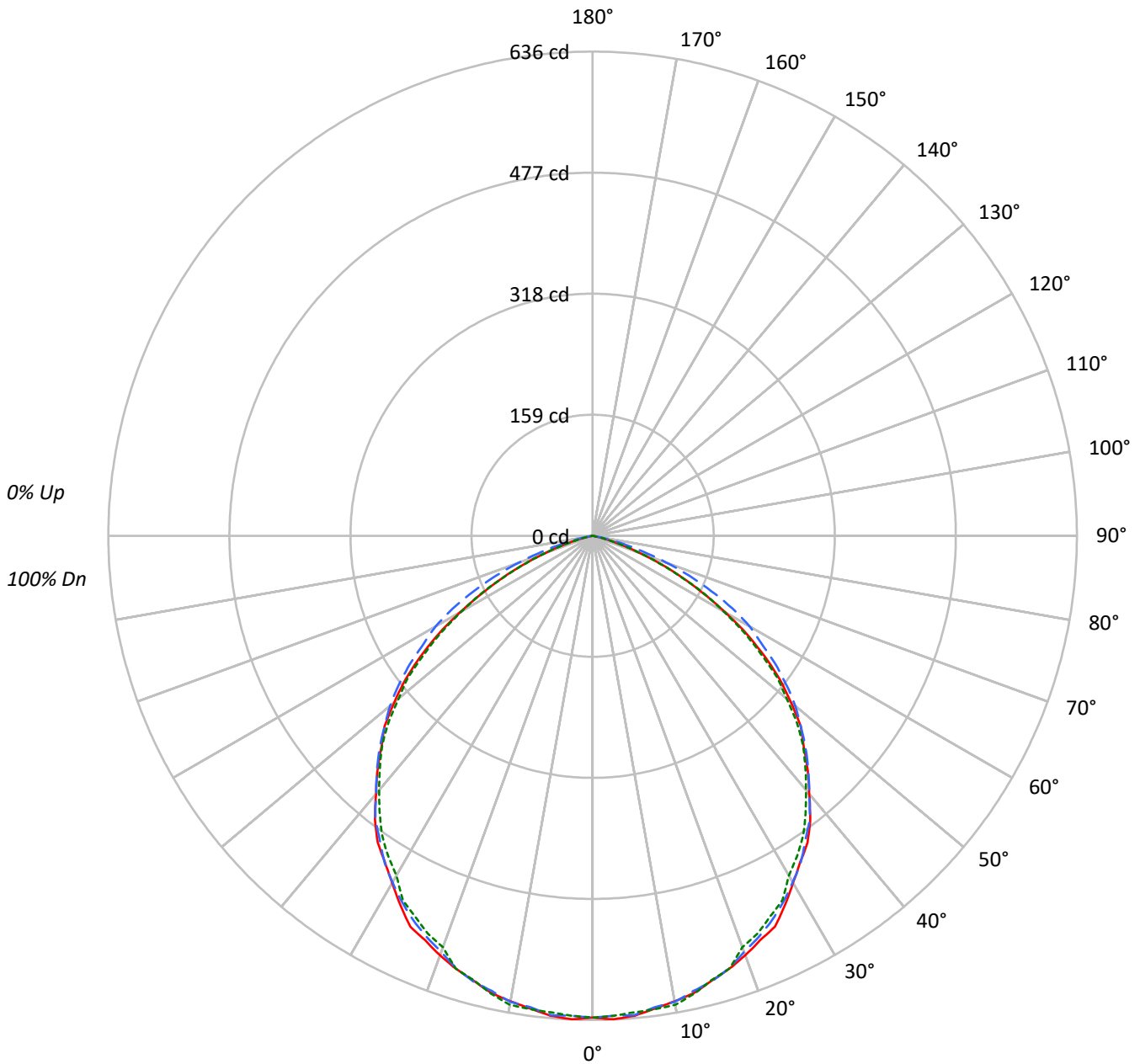
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P209419

CATALOG NUMBER: LDSQ6B15D010 EU6B10208027 6LBCSSQ1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P209419

CATALOG NUMBER: LDSQ6B15D010 EU6B10208027 6LBCSSQ1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	3.9
10°-20°	170.7	11.2
20°-30°	256.9	16.8
30°-40°	303.9	19.9
40°-50°	303.2	19.8
50°-60°	251.5	16.5
60°-70°	146.9	9.6
70°-80°	35.0	2.3
80°-90°	0.3	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°	487.4	31.9
0°-40°	791.3	51.8
0°-60°	1346.0	88.1
0°-90°	1528.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	633	630	632	630	628	60
15°	605	604	606	603	604	171
25°	567	560	557	555	552	259
35°	492	487	487	484	482	306
45°	392	393	396	392	391	303
55°	275	285	292	284	269	245
65°	130	146	172	146	129	129
75°	19	27	42	27	18	25
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P209419

CATALOG NUMBER: LDSQ6B15D010 EU6B10208027 6LBCSSQ1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	635.7	632.0	634.8	629.2	632.9	629.2	630.1	628.3	632.0	631.1	630.1
5°	632.9	633.9	632.0	633.9	631.1	628.3	631.1	629.2	623.6	632.0	630.1
7.5°	626.4	627.3	625.5	628.3	626.4	622.7	630.1	624.5	623.6	624.5	628.3
10°	620.8	622.7	621.7	620.8	621.7	621.7	619.9	617.1	619.9	621.7	620.8
12.5°	615.2	618.0	616.1	614.3	612.4	613.3	615.2	610.5	610.5	612.4	618.0
15°	604.9	606.8	607.7	604.0	604.0	604.9	608.7	601.2	604.9	605.9	606.8
17.5°	596.5	597.5	597.5	594.7	596.5	593.7	596.5	592.8	596.5	595.6	597.5
20°	586.3	588.1	586.3	586.3	584.4	585.3	585.3	585.3	582.5	581.6	583.5
22.5°	575.0	575.0	573.2	575.0	573.2	572.2	576.9	569.4	576.9	570.4	576.0
25°	566.6	562.0	559.2	558.2	562.0	558.2	560.1	557.3	559.2	557.3	558.2
27.5°	547.0	544.2	543.3	544.2	544.2	543.3	547.0	536.8	543.3	542.4	542.4
30°	526.5	526.5	528.4	526.5	528.4	525.6	529.3	520.9	526.5	525.6	526.5
32.5°	507.8	508.8	508.8	510.6	507.8	508.8	508.8	506.0	507.8	508.8	506.9
35°	492.0	487.3	487.3	487.3	487.3	487.3	489.2	486.4	489.2	487.3	487.3
37.5°	469.6	464.9	464.9	464.0	468.6	465.8	470.5	466.8	466.8	468.6	468.6
40°	442.5	444.4	441.6	445.3	444.4	440.6	449.0	443.4	447.2	442.5	446.2
42.5°	418.2	419.2	418.2	417.3	421.0	420.1	423.8	420.1	419.2	419.2	425.7
45°	392.1	392.1	392.1	394.9	392.1	393.0	396.7	394.9	396.7	395.8	402.3
47.5°	370.6	365.9	365.0	370.6	369.7	370.6	370.6	371.5	372.5	370.6	373.4
50°	339.8	337.9	337.9	338.9	339.8	341.7	344.5	346.3	344.5	347.3	348.2
52.5°	309.9	308.1	309.0	312.7	314.6	313.7	318.3	319.3	318.3	320.2	320.2
55°	275.4	273.5	276.3	281.0	283.8	286.6	291.3	287.5	291.3	292.2	293.1
57.5°	239.9	239.0	239.9	244.6	247.4	253.9	261.4	261.4	265.1	262.3	265.1
60°	200.7	200.7	204.4	207.2	214.7	219.4	226.8	230.6	234.3	238.0	236.2
62.5°	163.4	164.3	167.1	173.6	178.3	184.8	193.2	197.0	203.5	207.2	205.4
65°	129.8	129.8	131.6	137.2	141.9	150.3	157.8	166.2	169.9	171.8	172.7
67.5°	97.1	96.2	99.9	103.6	108.3	116.7	125.1	129.8	136.3	138.2	137.2
70°	65.3	66.3	68.1	71.9	77.5	84.0	93.4	97.1	100.8	102.7	100.8
72.5°	41.1	41.1	42.0	45.7	49.5	54.1	60.7	64.4	69.1	70.0	68.1
75°	18.7	18.7	20.5	22.4	25.2	28.9	33.6	36.4	39.2	42.0	42.0
77.5°	3.7	4.7	5.6	5.6	7.5	10.3	13.1	15.9	18.7	18.7	18.7
80°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	4.7	4.7	4.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P209419

CATALOG NUMBER: LDSQ6B15D010 EU6B10208027 6LBCSSQ1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	632.9	638.5	632.9	630.1	633.9	632.9	630.1	631.1
5°	630.1	632.0	633.9	626.4	631.1	632.0	630.1	628.3
7.5°	627.3	628.3	627.3	625.5	625.5	625.5	627.3	627.3
10°	626.4	623.6	618.9	616.1	618.9	618.9	618.0	625.5
12.5°	614.3	618.0	615.2	609.6	615.2	614.3	614.3	616.1
15°	604.9	604.9	606.8	599.3	603.1	602.1	602.1	604.0
17.5°	595.6	595.6	594.7	592.8	591.9	594.7	591.9	596.5
20°	582.5	584.4	590.0	580.6	583.5	580.6	580.6	575.0
22.5°	566.6	576.0	571.3	570.4	569.4	570.4	572.2	565.7
25°	556.4	556.4	558.2	552.6	552.6	554.5	553.6	551.7
27.5°	542.4	541.4	540.5	538.6	543.3	539.6	539.6	539.6
30°	522.8	525.6	524.6	520.0	525.6	523.7	520.9	515.3
32.5°	506.0	509.7	504.1	503.2	502.2	503.2	504.1	499.4
35°	485.4	486.4	486.4	482.6	483.6	482.6	480.8	481.7
37.5°	466.8	465.8	461.2	459.3	460.2	460.2	461.2	459.3
40°	440.6	443.4	443.4	436.9	438.8	436.9	436.9	436.0
42.5°	419.2	420.1	417.3	414.5	414.5	413.5	411.7	413.5
45°	396.7	395.8	393.0	390.2	390.2	389.3	387.4	391.1
47.5°	371.5	369.7	368.7	365.0	365.0	359.4	360.3	364.1
50°	346.3	344.5	340.7	338.9	336.1	333.3	332.3	332.3
52.5°	316.5	316.5	312.7	309.0	308.1	306.2	304.3	305.3
55°	290.3	290.3	287.5	281.0	277.3	272.6	269.8	268.9
57.5°	260.5	258.6	253.0	245.5	241.8	238.0	235.2	235.2
60°	230.6	225.9	220.3	213.8	207.2	200.7	198.8	197.9
62.5°	197.9	193.2	183.0	175.5	170.8	167.1	163.4	166.2
65°	165.2	158.7	149.4	141.9	137.2	131.6	128.8	128.8
67.5°	130.7	124.2	114.8	107.4	102.7	99.0	95.2	95.2
70°	96.2	91.5	83.1	76.5	72.8	67.2	66.3	66.3
72.5°	65.3	59.7	53.2	48.5	44.8	41.1	39.2	38.3
75°	36.4	32.7	28.0	25.2	21.5	19.6	17.7	17.7
77.5°	14.9	12.1	9.3	7.5	5.6	4.7	3.7	4.7
80°	2.8	1.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270°









(END OF REPORT)