

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: P212810

Luminaire Tested: **LD6B30D010 EU6B30508030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30D010 EU6B30508030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823.6 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

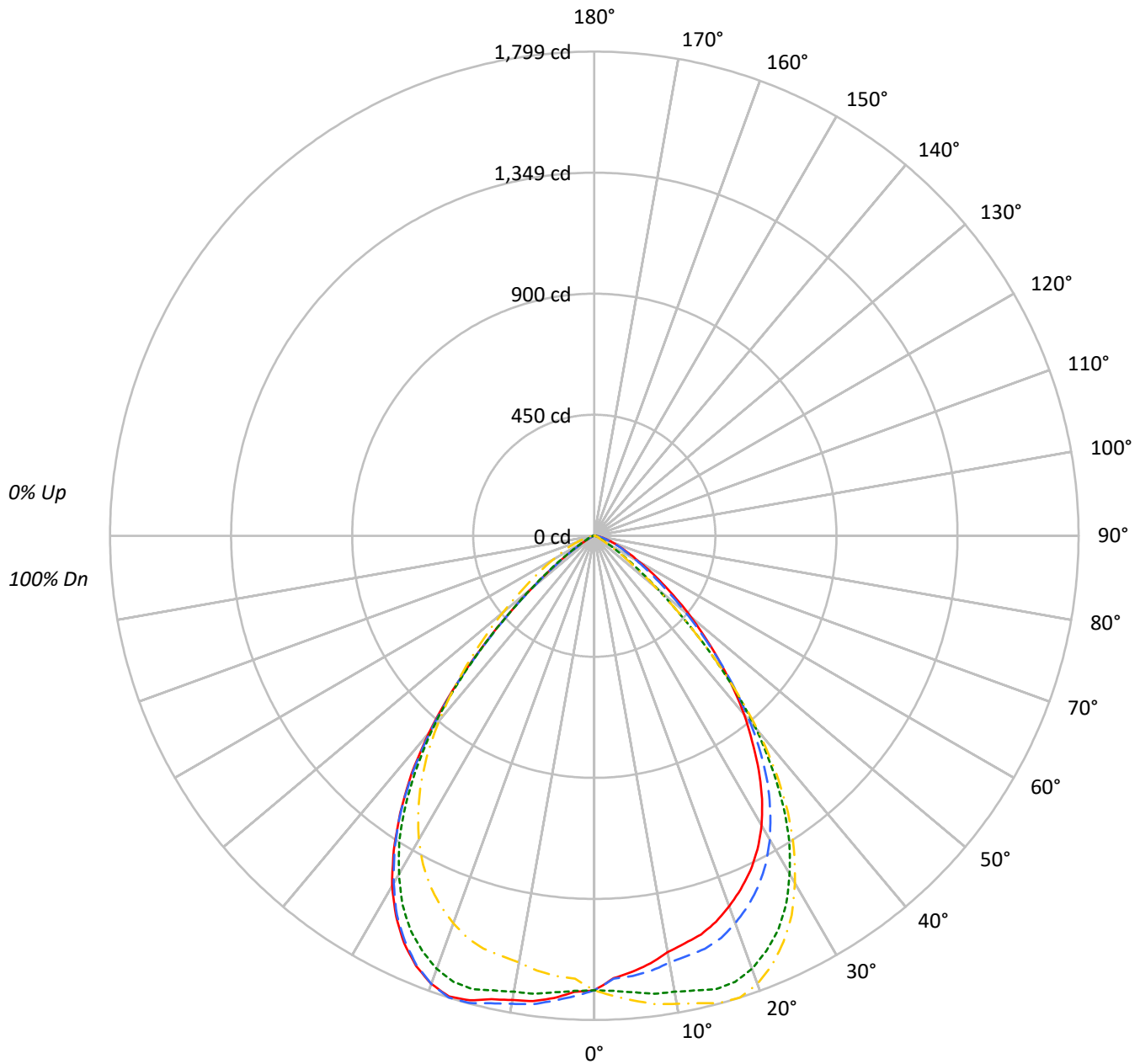
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

Luminous Intensity Polar Plot





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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	112	109	106	103	110	107	104	102	103	100	98		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	70	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	92580	92580	92580	92580
5°	89473	93693	94882	93693
10°	87445	95762	97515	95762
15°	87032	98973	101425	98973
20°	85448	99899	103341	99899
25°	83007	97754	101080	97754
30°	78651	91843	95084	91843
35°	71313	81840	84075	81840
40°	61909	66689	68378	66689
45°	50757	46028	46338	46028
50°	39905	25824	25321	25824
55°	29504	12779	11460	12779
60°	20908	5603	4101	5603
65°	15553	3567	2555	3567
70°	11348	2837	1891	2837
75°	8324	2076	1250	2076
80°	5588	1863	631	1863
85°	3711	1258	1258	1258



TEST NUMBER: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	5.7
10°-20°	478.8	17.0
20°-30°	714.6	25.3
30°-40°	734.2	26.0
40°-50°	475.4	16.8
50°-60°	176.8	6.3
60°-70°	58.0	2.1
70°-80°	20.5	0.7
80°-90°	3.7	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°	1355.1	48.0
0°-40°	2089.3	74.0
0°-60°	2741.5	97.1
0°-90°	2823.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1689	1689	1689	1689	1689	
5°	1626	1703	1724	1703	1626	154
15°	1534	1744	1787	1744	1534	431
25°	1372	1616	1671	1616	1372	629
35°	1066	1223	1256	1223	1066	662
45°	655	594	598	594	655	506
55°	309	134	120	134	309	281
65°	120	28	20	28	120	122
75°	39	10	6	10	39	43
85°	6	2	2	2	6	8
90°	0	0	0	0	0	



TEST NUMBER: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1645.6	1669.2	1653.4	1663.3	1647.6	1647.6	1679.0	1661.3	1675.1	1661.3	1647.6
5°	1625.9	1655.4	1635.8	1645.6	1631.8	1633.8	1663.3	1649.5	1663.3	1653.4	1641.7
7.5°	1602.3	1631.8	1614.1	1624.0	1610.2	1614.1	1645.6	1631.8	1647.6	1637.7	1629.9
10°	1570.9	1602.3	1586.6	1596.4	1584.6	1586.6	1618.1	1608.2	1622.0	1616.1	1610.2
12.5°	1551.2	1580.7	1563.0	1572.8	1565.0	1568.9	1598.4	1590.5	1608.2	1602.3	1598.4
15°	1533.5	1561.0	1545.3	1555.1	1549.2	1551.2	1582.7	1574.8	1594.5	1590.5	1588.6
17.5°	1504.0	1533.5	1515.8	1527.6	1521.7	1523.7	1555.1	1549.2	1568.9	1568.9	1566.9
20°	1464.7	1494.2	1480.4	1488.3	1484.4	1488.3	1515.8	1511.9	1531.6	1531.6	1531.6
22.5°	1421.5	1450.9	1435.2	1443.1	1439.2	1445.0	1470.6	1470.6	1486.3	1488.3	1490.3
25°	1372.3	1401.8	1386.1	1395.9	1392.0	1395.9	1419.5	1421.5	1435.2	1435.2	1439.2
27.5°	1313.3	1342.8	1327.1	1334.9	1333.0	1334.9	1360.5	1364.4	1372.3	1374.3	1378.2
30°	1242.5	1270.1	1254.3	1262.2	1262.2	1262.2	1287.8	1289.7	1297.6	1299.6	1303.5
32.5°	1160.0	1183.6	1171.8	1179.6	1177.7	1181.6	1199.3	1207.2	1217.0	1215.0	1217.0
35°	1065.6	1091.2	1079.4	1085.3	1087.2	1093.1	1104.9	1114.8	1116.7	1118.7	1122.6
37.5°	963.4	988.9	977.1	983.0	985.0	996.8	1000.7	1010.6	1014.5	1014.5	1014.5
40°	865.1	876.9	867.0	872.9	874.9	884.7	888.7	896.5	900.5	898.5	896.5
42.5°	758.9	768.7	758.9	764.8	764.8	772.7	774.6	784.5	784.5	780.5	774.6
45°	654.7	664.5	654.7	658.6	658.6	666.5	666.5	666.5	670.4	664.5	654.7
47.5°	556.4	566.2	556.4	560.3	558.4	564.3	562.3	564.3	558.4	554.4	542.6
50°	467.9	471.9	467.9	466.0	467.9	471.9	469.9	469.9	462.0	456.1	442.4
52.5°	381.4	387.3	381.4	381.4	381.4	385.3	385.3	383.4	375.5	367.7	353.9
55°	308.7	312.6	310.6	308.7	308.7	312.6	308.7	308.7	300.8	294.9	281.1
57.5°	245.8	247.7	245.8	245.8	245.8	247.7	247.7	243.8	237.9	232.0	222.2
60°	190.7	192.7	192.7	190.7	190.7	194.6	194.6	192.7	186.8	182.8	173.0
62.5°	151.4	151.4	151.4	151.4	151.4	153.4	153.4	153.4	149.4	145.5	137.6
65°	119.9	121.9	119.9	119.9	121.9	123.9	121.9	123.9	119.9	118.0	112.1
67.5°	92.4	94.4	92.4	94.4	94.4	96.3	94.4	96.3	92.4	90.4	86.5
70°	70.8	70.8	70.8	70.8	70.8	72.7	70.8	72.7	70.8	68.8	64.9
72.5°	53.1	53.1	55.0	55.0	53.1	55.0	53.1	53.1	53.1	51.1	49.2
75°	39.3	39.3	41.3	39.3	39.3	39.3	39.3	39.3	37.4	37.4	35.4
77.5°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	25.6	25.6	23.6
80°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	15.7	15.7
82.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	9.8	9.8
85°	5.9	5.9	5.9	7.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	2.0	2.0	2.0	3.9	2.0	2.0	3.9	3.9	2.0	2.0	2.0
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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1663.3	1669.2	1669.2	1663.3	1677.0	1665.2	1688.8	1667.2	1673.1	1692.8	1690.8
5°	1657.4	1665.2	1667.2	1663.3	1681.0	1671.1	1694.7	1673.1	1682.9	1702.6	1702.6
7.5°	1649.5	1659.3	1663.3	1667.2	1682.9	1673.1	1700.6	1679.0	1692.8	1716.4	1714.4
10°	1631.8	1645.6	1653.4	1659.3	1675.1	1669.2	1698.7	1681.0	1692.8	1720.3	1718.3
12.5°	1622.0	1637.7	1649.5	1659.3	1677.0	1673.1	1702.6	1686.9	1702.6	1730.1	1730.1
15°	1614.1	1631.8	1645.6	1663.3	1681.0	1677.0	1708.5	1694.7	1710.5	1743.9	1741.9
17.5°	1594.5	1616.1	1629.9	1649.5	1667.2	1665.2	1698.7	1688.8	1706.5	1738.0	1740.0
20°	1561.0	1580.7	1596.4	1620.0	1639.7	1635.8	1671.1	1661.3	1679.0	1712.4	1714.4
22.5°	1517.8	1537.5	1553.2	1578.7	1596.4	1594.5	1629.9	1620.0	1637.7	1669.2	1671.1
25°	1466.7	1484.4	1500.1	1523.7	1543.4	1543.4	1574.8	1565.0	1584.6	1616.1	1616.1
27.5°	1403.8	1419.5	1433.3	1460.8	1476.5	1476.5	1506.0	1496.2	1515.8	1543.4	1541.4
30°	1327.1	1340.8	1352.6	1376.2	1390.0	1392.0	1417.5	1407.7	1427.4	1450.9	1450.9
32.5°	1234.7	1248.4	1256.3	1285.8	1295.6	1293.7	1313.3	1303.5	1323.2	1348.7	1342.8
35°	1136.4	1142.3	1148.2	1177.7	1181.6	1173.7	1193.4	1183.6	1197.3	1222.9	1219.0
37.5°	1024.3	1026.3	1026.3	1051.8	1053.8	1047.9	1059.7	1047.9	1057.7	1081.3	1079.4
40°	900.5	898.5	896.5	916.2	914.2	902.4	910.3	900.5	914.2	931.9	922.1
42.5°	774.6	768.7	760.9	770.7	762.8	753.0	756.9	741.2	751.0	764.8	753.0
45°	650.8	639.0	623.2	625.2	615.4	603.6	597.7	582.0	580.0	593.7	583.9
47.5°	534.8	511.2	497.4	489.5	473.8	464.0	452.2	434.5	426.6	434.5	424.7
50°	430.6	407.0	389.3	371.6	355.9	344.1	324.4	312.6	300.8	302.8	294.9
52.5°	340.1	324.4	294.9	281.1	265.4	251.7	234.0	220.2	206.4	206.4	198.6
55°	269.3	247.7	228.1	208.4	192.7	180.9	163.2	149.4	135.7	133.7	125.8
57.5°	208.4	192.7	171.0	151.4	141.6	129.8	112.1	96.3	88.5	82.6	76.7
60°	161.2	145.5	127.8	112.1	100.3	92.4	74.7	62.9	55.0	51.1	45.2
62.5°	129.8	116.0	100.3	84.5	76.7	68.8	55.0	45.2	37.4	33.4	29.5
65°	104.2	92.4	80.6	68.8	62.9	55.0	45.2	37.4	31.5	27.5	23.6
67.5°	80.6	72.7	62.9	55.0	49.2	43.3	35.4	29.5	25.6	21.6	19.7
70°	60.9	55.0	49.2	41.3	37.4	33.4	27.5	21.6	19.7	17.7	15.7
72.5°	47.2	41.3	35.4	31.5	27.5	25.6	21.6	17.7	15.7	13.8	11.8
75°	31.5	29.5	25.6	21.6	19.7	17.7	15.7	13.8	11.8	9.8	9.8
77.5°	21.6	19.7	17.7	15.7	13.8	13.8	11.8	9.8	7.9	7.9	5.9
80°	13.8	11.8	11.8	9.8	9.8	9.8	7.9	5.9	5.9	5.9	3.9
82.5°	9.8	7.9	7.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	2.0
85°	5.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1675.1	1692.8	1692.8	1708.5	1710.5	1706.5	1688.8	1688.8	1712.4	1726.2	1702.6
5°	1690.8	1708.5	1708.5	1724.2	1732.1	1726.2	1708.5	1710.5	1734.1	1749.8	1726.2
7.5°	1704.6	1722.3	1726.2	1743.9	1749.8	1743.9	1726.2	1730.1	1755.7	1769.4	1745.9
10°	1710.5	1728.2	1730.1	1749.8	1757.7	1749.8	1736.0	1738.0	1765.5	1775.3	1753.7
12.5°	1724.2	1741.9	1741.9	1763.5	1771.4	1765.5	1747.8	1751.8	1779.3	1789.1	1767.5
15°	1738.0	1755.7	1755.7	1779.3	1789.1	1781.2	1767.5	1769.4	1797.0	1806.8	1789.1
17.5°	1738.0	1753.7	1753.7	1779.3	1789.1	1783.2	1767.5	1769.4	1798.9	1806.8	1789.1
20°	1712.4	1730.1	1726.2	1751.8	1761.6	1755.7	1741.9	1741.9	1771.4	1779.3	1761.6
22.5°	1671.1	1686.9	1682.9	1706.5	1718.3	1710.5	1698.7	1696.7	1726.2	1734.1	1716.4
25°	1614.1	1629.9	1625.9	1649.5	1661.3	1651.5	1637.7	1639.7	1663.3	1675.1	1659.3
27.5°	1547.3	1557.1	1551.2	1574.8	1586.6	1576.8	1563.0	1565.0	1588.6	1596.4	1584.6
30°	1456.8	1464.7	1458.8	1478.5	1486.3	1480.4	1468.6	1468.6	1490.3	1500.1	1488.3
32.5°	1348.7	1354.6	1348.7	1364.4	1380.2	1368.4	1356.6	1356.6	1380.2	1388.0	1374.3
35°	1222.9	1228.8	1224.9	1240.6	1252.4	1236.6	1226.8	1222.9	1254.3	1250.4	1242.5
37.5°	1083.3	1087.2	1075.4	1103.0	1108.9	1091.2	1083.3	1079.4	1106.9	1104.9	1097.1
40°	926.0	929.9	922.1	941.7	943.7	929.9	924.0	918.1	945.7	943.7	937.8
42.5°	758.9	760.9	751.0	766.8	770.7	756.9	755.0	747.1	772.7	768.7	766.8
45°	585.9	585.9	578.0	589.8	593.7	582.0	578.0	576.1	593.7	593.7	589.8
47.5°	424.7	418.8	408.9	426.6	428.6	420.7	418.8	412.9	430.6	430.6	426.6
50°	291.0	289.0	287.0	291.0	292.9	283.1	289.0	283.1	292.9	292.9	292.9
52.5°	194.6	192.7	188.7	192.7	192.7	186.8	186.8	184.8	192.7	192.7	188.7
55°	121.9	119.9	118.0	119.9	119.9	114.0	118.0	114.0	118.0	118.0	116.0
57.5°	74.7	70.8	70.8	68.8	68.8	64.9	66.8	66.8	66.8	66.8	66.8
60°	43.3	41.3	39.3	39.3	39.3	37.4	37.4	37.4	37.4	37.4	37.4
62.5°	27.5	27.5	25.6	25.6	25.6	25.6	25.6	23.6	25.6	25.6	25.6
65°	23.6	21.6	21.6	21.6	21.6	19.7	19.7	19.7	19.7	19.7	19.7
67.5°	19.7	17.7	17.7	17.7	17.7	15.7	15.7	15.7	15.7	15.7	15.7
70°	15.7	13.8	13.8	13.8	13.8	13.8	11.8	13.8	13.8	11.8	11.8
72.5°	11.8	11.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
75°	7.9	7.9	7.9	7.9	7.9	5.9	5.9	5.9	5.9	5.9	5.9
77.5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	0.0	2.0	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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1730.1	1710.5	1700.6	1720.3	1728.2	1718.3	1710.5	1696.7	1710.5	1718.3	1728.2
5°	1753.7	1736.0	1728.2	1741.9	1753.7	1743.9	1738.0	1724.2	1738.0	1743.9	1753.7
7.5°	1775.3	1757.7	1747.8	1761.6	1775.3	1761.6	1755.7	1743.9	1755.7	1761.6	1775.3
10°	1783.2	1763.5	1755.7	1767.5	1781.2	1767.5	1759.6	1751.8	1759.6	1767.5	1781.2
12.5°	1797.0	1777.3	1767.5	1777.3	1791.1	1777.3	1769.4	1763.5	1769.4	1777.3	1791.1
15°	1816.6	1798.9	1787.1	1797.0	1814.7	1798.9	1789.1	1787.1	1789.1	1798.9	1814.7
17.5°	1816.6	1802.9	1791.1	1798.9	1816.6	1804.8	1791.1	1795.0	1791.1	1804.8	1816.6
20°	1791.1	1777.3	1767.5	1767.5	1793.0	1777.3	1765.5	1771.4	1765.5	1777.3	1793.0
22.5°	1745.9	1734.1	1724.2	1722.3	1747.8	1734.1	1718.3	1730.1	1718.3	1734.1	1747.8
25°	1686.9	1675.1	1667.2	1663.3	1688.8	1673.1	1659.3	1671.1	1659.3	1673.1	1688.8
27.5°	1610.2	1600.4	1592.5	1586.6	1610.2	1596.4	1582.7	1594.5	1582.7	1596.4	1610.2
30°	1511.9	1506.0	1498.1	1490.3	1513.9	1500.1	1486.3	1502.1	1486.3	1500.1	1513.9
32.5°	1397.9	1393.9	1384.1	1376.2	1399.8	1384.1	1374.3	1386.1	1374.3	1384.1	1399.8
35°	1266.1	1260.2	1254.3	1240.6	1266.1	1252.4	1252.4	1256.3	1252.4	1252.4	1266.1
37.5°	1118.7	1114.8	1106.9	1095.1	1116.7	1106.9	1103.0	1114.8	1103.0	1106.9	1116.7
40°	953.5	951.6	945.7	931.9	955.5	945.7	939.8	955.5	939.8	945.7	955.5
42.5°	780.5	776.6	770.7	768.7	780.5	772.7	778.6	778.6	778.6	772.7	780.5
45°	601.6	597.7	593.7	585.9	599.6	595.7	593.7	597.7	593.7	595.7	599.6
47.5°	436.5	432.5	428.6	422.7	436.5	430.6	430.6	434.5	430.6	430.6	436.5
50°	292.9	294.9	292.9	289.0	292.9	291.0	292.9	296.9	292.9	291.0	292.9
52.5°	194.6	194.6	190.7	188.7	192.7	190.7	196.6	192.7	196.6	190.7	192.7
55°	118.0	119.9	118.0	116.0	118.0	116.0	121.9	119.9	121.9	116.0	118.0
57.5°	66.8	66.8	68.8	66.8	70.8	68.8	68.8	68.8	68.8	68.8	70.8
60°	37.4	37.4	37.4	37.4	37.4	37.4	39.3	37.4	39.3	37.4	37.4
62.5°	25.6	25.6	25.6	23.6	25.6	23.6	25.6	25.6	25.6	23.6	25.6
65°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
67.5°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
70°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
72.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
75°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1720.3	1700.6	1710.5	1730.1	1702.6	1726.2	1712.4	1688.8	1688.8	1706.5	1710.5
5°	1741.9	1728.2	1736.0	1753.7	1726.2	1749.8	1734.1	1710.5	1708.5	1726.2	1732.1
7.5°	1761.6	1747.8	1757.7	1775.3	1745.9	1769.4	1755.7	1730.1	1726.2	1743.9	1749.8
10°	1767.5	1755.7	1763.5	1783.2	1753.7	1775.3	1765.5	1738.0	1736.0	1749.8	1757.7
12.5°	1777.3	1767.5	1777.3	1797.0	1767.5	1789.1	1779.3	1751.8	1747.8	1765.5	1771.4
15°	1797.0	1787.1	1798.9	1816.6	1789.1	1806.8	1797.0	1769.4	1767.5	1781.2	1789.1
17.5°	1798.9	1791.1	1802.9	1816.6	1789.1	1806.8	1798.9	1769.4	1767.5	1783.2	1789.1
20°	1767.5	1767.5	1777.3	1791.1	1761.6	1779.3	1771.4	1741.9	1741.9	1755.7	1761.6
22.5°	1722.3	1724.2	1734.1	1745.9	1716.4	1734.1	1726.2	1696.7	1698.7	1710.5	1718.3
25°	1663.3	1667.2	1675.1	1686.9	1659.3	1675.1	1663.3	1639.7	1637.7	1651.5	1661.3
27.5°	1586.6	1592.5	1600.4	1610.2	1584.6	1596.4	1588.6	1565.0	1563.0	1576.8	1586.6
30°	1490.3	1498.1	1506.0	1511.9	1488.3	1500.1	1490.3	1468.6	1468.6	1480.4	1486.3
32.5°	1376.2	1384.1	1393.9	1397.9	1374.3	1388.0	1380.2	1356.6	1356.6	1368.4	1380.2
35°	1240.6	1254.3	1260.2	1266.1	1242.5	1250.4	1254.3	1222.9	1226.8	1236.6	1252.4
37.5°	1095.1	1106.9	1114.8	1118.7	1097.1	1104.9	1106.9	1079.4	1083.3	1091.2	1108.9
40°	931.9	945.7	951.6	953.5	937.8	943.7	945.7	918.1	924.0	929.9	943.7
42.5°	768.7	770.7	776.6	780.5	766.8	768.7	772.7	747.1	755.0	756.9	770.7
45°	585.9	593.7	597.7	601.6	589.8	593.7	593.7	576.1	578.0	582.0	593.7
47.5°	422.7	428.6	432.5	436.5	426.6	430.6	430.6	412.9	418.8	420.7	428.6
50°	289.0	292.9	294.9	292.9	292.9	292.9	292.9	283.1	289.0	283.1	292.9
52.5°	188.7	190.7	194.6	194.6	188.7	192.7	192.7	184.8	186.8	186.8	192.7
55°	116.0	118.0	119.9	118.0	116.0	118.0	118.0	114.0	118.0	114.0	119.9
57.5°	66.8	68.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	64.9	68.8
60°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	39.3
62.5°	23.6	25.6	25.6	25.6	25.6	25.6	25.6	23.6	25.6	25.6	25.6
65°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	21.6
67.5°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	17.7
70°	11.8	11.8	11.8	11.8	11.8	11.8	13.8	13.8	11.8	13.8	13.8
72.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
75°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.9
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	2.0
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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1708.5	1692.8	1692.8	1675.1	1690.8	1692.8	1673.1	1667.2	1688.8	1665.2	1677.0
5°	1724.2	1708.5	1708.5	1690.8	1702.6	1702.6	1682.9	1673.1	1694.7	1671.1	1681.0
7.5°	1743.9	1726.2	1722.3	1704.6	1714.4	1716.4	1692.8	1679.0	1700.6	1673.1	1682.9
10°	1749.8	1730.1	1728.2	1710.5	1718.3	1720.3	1692.8	1681.0	1698.7	1669.2	1675.1
12.5°	1763.5	1741.9	1741.9	1724.2	1730.1	1730.1	1702.6	1686.9	1702.6	1673.1	1677.0
15°	1779.3	1755.7	1755.7	1738.0	1741.9	1743.9	1710.5	1694.7	1708.5	1677.0	1681.0
17.5°	1779.3	1753.7	1753.7	1738.0	1740.0	1738.0	1706.5	1688.8	1698.7	1665.2	1667.2
20°	1751.8	1726.2	1730.1	1712.4	1714.4	1712.4	1679.0	1661.3	1671.1	1635.8	1639.7
22.5°	1706.5	1682.9	1686.9	1671.1	1671.1	1669.2	1637.7	1620.0	1629.9	1594.5	1596.4
25°	1649.5	1625.9	1629.9	1614.1	1616.1	1616.1	1584.6	1565.0	1574.8	1543.4	1543.4
27.5°	1574.8	1551.2	1557.1	1547.3	1541.4	1543.4	1515.8	1496.2	1506.0	1476.5	1476.5
30°	1478.5	1458.8	1464.7	1456.8	1450.9	1450.9	1427.4	1407.7	1417.5	1392.0	1390.0
32.5°	1364.4	1348.7	1354.6	1348.7	1342.8	1348.7	1323.2	1303.5	1313.3	1293.7	1295.6
35°	1240.6	1224.9	1228.8	1222.9	1219.0	1222.9	1197.3	1183.6	1193.4	1173.7	1181.6
37.5°	1103.0	1075.4	1087.2	1083.3	1079.4	1081.3	1057.7	1047.9	1059.7	1047.9	1053.8
40°	941.7	922.1	929.9	926.0	922.1	931.9	914.2	900.5	910.3	902.4	914.2
42.5°	766.8	751.0	760.9	758.9	753.0	764.8	751.0	741.2	756.9	753.0	762.8
45°	589.8	578.0	585.9	585.9	583.9	593.7	580.0	582.0	597.7	603.6	615.4
47.5°	426.6	408.9	418.8	424.7	424.7	434.5	426.6	434.5	452.2	464.0	473.8
50°	291.0	287.0	289.0	291.0	294.9	302.8	300.8	312.6	324.4	344.1	355.9
52.5°	192.7	188.7	192.7	194.6	198.6	206.4	206.4	220.2	234.0	251.7	265.4
55°	119.9	118.0	119.9	121.9	125.8	133.7	135.7	149.4	163.2	180.9	192.7
57.5°	68.8	70.8	70.8	74.7	76.7	82.6	88.5	96.3	112.1	129.8	141.6
60°	39.3	39.3	41.3	43.3	45.2	51.1	55.0	62.9	74.7	92.4	100.3
62.5°	25.6	25.6	27.5	27.5	29.5	33.4	37.4	45.2	55.0	68.8	76.7
65°	21.6	21.6	21.6	23.6	23.6	27.5	31.5	37.4	45.2	55.0	62.9
67.5°	17.7	17.7	17.7	19.7	19.7	21.6	25.6	29.5	35.4	43.3	49.2
70°	13.8	13.8	13.8	15.7	15.7	17.7	19.7	21.6	27.5	33.4	37.4
72.5°	9.8	9.8	11.8	11.8	11.8	13.8	15.7	17.7	21.6	25.6	27.5
75°	7.9	7.9	7.9	7.9	9.8	9.8	11.8	13.8	15.7	17.7	19.7
77.5°	3.9	3.9	5.9	5.9	5.9	7.9	7.9	9.8	11.8	13.8	13.8
80°	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9	7.9	9.8	9.8
82.5°	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	5.9
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1663.3	1669.2	1669.2	1663.3	1647.6	1661.3	1675.1	1661.3	1679.0	1647.6	1647.6
5°	1663.3	1667.2	1665.2	1657.4	1641.7	1653.4	1663.3	1649.5	1663.3	1633.8	1631.8
7.5°	1667.2	1663.3	1659.3	1649.5	1629.9	1637.7	1647.6	1631.8	1645.6	1614.1	1610.2
10°	1659.3	1653.4	1645.6	1631.8	1610.2	1616.1	1622.0	1608.2	1618.1	1586.6	1584.6
12.5°	1659.3	1649.5	1637.7	1622.0	1598.4	1602.3	1608.2	1590.5	1598.4	1568.9	1565.0
15°	1663.3	1645.6	1631.8	1614.1	1588.6	1590.5	1594.5	1574.8	1582.7	1551.2	1549.2
17.5°	1649.5	1629.9	1616.1	1594.5	1566.9	1568.9	1568.9	1549.2	1555.1	1523.7	1521.7
20°	1620.0	1596.4	1580.7	1561.0	1531.6	1531.6	1531.6	1511.9	1515.8	1488.3	1484.4
22.5°	1578.7	1553.2	1537.5	1517.8	1490.3	1488.3	1486.3	1470.6	1470.6	1445.0	1439.2
25°	1523.7	1500.1	1484.4	1466.7	1439.2	1435.2	1435.2	1421.5	1419.5	1395.9	1392.0
27.5°	1460.8	1433.3	1419.5	1403.8	1378.2	1374.3	1372.3	1364.4	1360.5	1334.9	1333.0
30°	1376.2	1352.6	1340.8	1327.1	1303.5	1299.6	1297.6	1289.7	1287.8	1262.2	1262.2
32.5°	1285.8	1256.3	1248.4	1234.7	1217.0	1215.0	1217.0	1207.2	1199.3	1181.6	1177.7
35°	1177.7	1148.2	1142.3	1136.4	1122.6	1118.7	1116.7	1114.8	1104.9	1093.1	1087.2
37.5°	1051.8	1026.3	1026.3	1024.3	1014.5	1014.5	1014.5	1010.6	1000.7	996.8	985.0
40°	916.2	896.5	898.5	900.5	896.5	898.5	900.5	896.5	888.7	884.7	874.9
42.5°	770.7	760.9	768.7	774.6	774.6	780.5	784.5	784.5	774.6	772.7	764.8
45°	625.2	623.2	639.0	650.8	654.7	664.5	670.4	666.5	666.5	666.5	658.6
47.5°	489.5	497.4	511.2	534.8	542.6	554.4	558.4	564.3	562.3	564.3	558.4
50°	371.6	389.3	407.0	430.6	442.4	456.1	462.0	469.9	469.9	471.9	467.9
52.5°	281.1	294.9	324.4	340.1	353.9	367.7	375.5	383.4	385.3	385.3	381.4
55°	208.4	228.1	247.7	269.3	281.1	294.9	300.8	308.7	308.7	312.6	308.7
57.5°	151.4	171.0	192.7	208.4	222.2	232.0	237.9	243.8	247.7	247.7	245.8
60°	112.1	127.8	145.5	161.2	173.0	182.8	186.8	192.7	194.6	194.6	190.7
62.5°	84.5	100.3	116.0	129.8	137.6	145.5	149.4	153.4	153.4	153.4	151.4
65°	68.8	80.6	92.4	104.2	112.1	118.0	119.9	123.9	121.9	123.9	121.9
67.5°	55.0	62.9	72.7	80.6	86.5	90.4	92.4	96.3	94.4	96.3	94.4
70°	41.3	49.2	55.0	60.9	64.9	68.8	70.8	72.7	70.8	72.7	70.8
72.5°	31.5	35.4	41.3	47.2	49.2	51.1	53.1	53.1	53.1	55.0	53.1
75°	21.6	25.6	29.5	31.5	35.4	37.4	37.4	39.3	39.3	39.3	39.3
77.5°	15.7	17.7	19.7	21.6	23.6	25.6	25.6	27.5	27.5	27.5	27.5
80°	9.8	11.8	11.8	13.8	15.7	15.7	17.7	17.7	17.7	17.7	17.7
82.5°	5.9	7.9	7.9	9.8	9.8	9.8	11.8	11.8	11.8	11.8	11.8
85°	3.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	2.0	2.0
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: P212810

CATALOG NUMBER: LD6B30D010 EU6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1688.8	1688.8	1688.8	1688.8
2.5°	1663.3	1653.4	1669.2	1645.6
5°	1645.6	1635.8	1655.4	1625.9
7.5°	1624.0	1614.1	1631.8	1602.3
10°	1596.4	1586.6	1602.3	1570.9
12.5°	1572.8	1563.0	1580.7	1551.2
15°	1555.1	1545.3	1561.0	1533.5
17.5°	1527.6	1515.8	1533.5	1504.0
20°	1488.3	1480.4	1494.2	1464.7
22.5°	1443.1	1435.2	1450.9	1421.5
25°	1395.9	1386.1	1401.8	1372.3
27.5°	1334.9	1327.1	1342.8	1313.3
30°	1262.2	1254.3	1270.1	1242.5
32.5°	1179.6	1171.8	1183.6	1160.0
35°	1085.3	1079.4	1091.2	1065.6
37.5°	983.0	977.1	988.9	963.4
40°	872.9	867.0	876.9	865.1
42.5°	764.8	758.9	768.7	758.9
45°	658.6	654.7	664.5	654.7
47.5°	560.3	556.4	566.2	556.4
50°	466.0	467.9	471.9	467.9
52.5°	381.4	381.4	387.3	381.4
55°	308.7	310.6	312.6	308.7
57.5°	245.8	245.8	247.7	245.8
60°	190.7	192.7	192.7	190.7
62.5°	151.4	151.4	151.4	151.4
65°	119.9	119.9	121.9	119.9
67.5°	94.4	92.4	94.4	92.4
70°	70.8	70.8	70.8	70.8
72.5°	55.0	55.0	53.1	53.1
75°	39.3	41.3	39.3	39.3
77.5°	27.5	27.5	27.5	27.5
80°	17.7	17.7	17.7	17.7
82.5°	11.8	11.8	11.8	11.8
85°	7.9	5.9	5.9	5.9
87.5°	3.9	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270° - · - 135°-315°





















(END OF REPORT)