

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: P212809

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212809
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 EU6B30508027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2701.0 lumens
Efficiency: N/A
Efficacy: 96.5 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

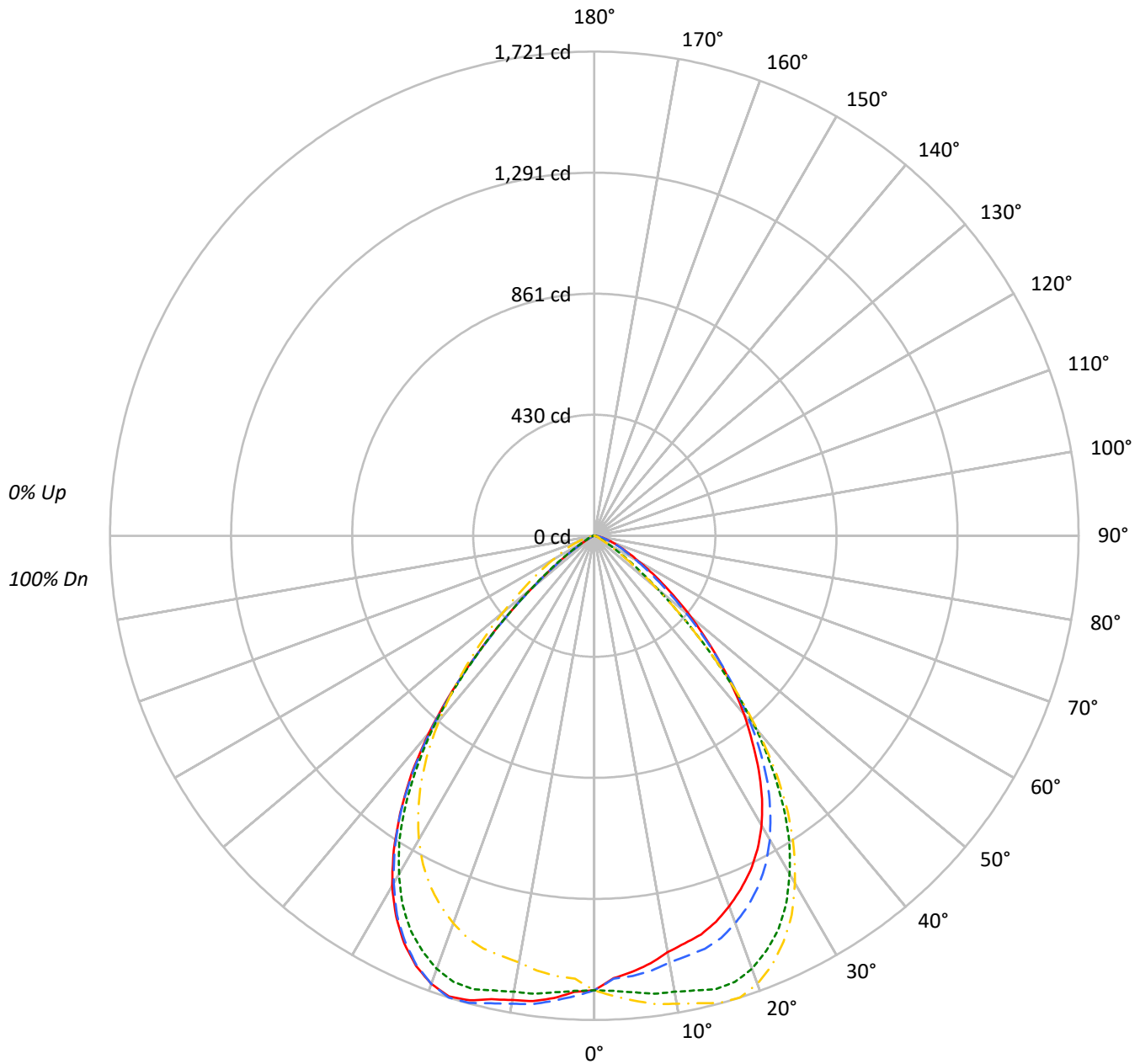
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	98		99	97	96		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	86	84
3	98	91	84	80		96	89	84	79		86	82	78		84	80	76		81	78	75
4	92	83	76	71		90	82	75	70		79	74	70		77	73	69		75	71	68
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	57		79	69	62	57		67	61	57		66	60	56		64	60	56
7	76	64	57	52		74	64	57	52		62	56	52		61	56	51		60	55	51
8	71	60	53	48		70	59	52	48		58	52	47		57	51	47		56	51	47
9	67	55	48	44		66	55	48	44		54	48	43		53	47	43		52	47	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	88562	88562	88562	88562
5°	85587	89627	90766	89627
10°	83649	91604	93279	91604
15°	83252	94677	97027	94677
20°	81738	95564	98854	95564
25°	79402	93507	96695	93507
30°	75239	87862	90957	87862
35°	68215	78287	80428	78287
40°	59218	63791	65408	63791
45°	48555	44036	44322	44036
50°	38174	24699	24221	24699
55°	28224	12224	10963	12224
60°	19998	5361	3914	5361
65°	14878	3412	2439	3412
70°	10851	2709	1811	2709
75°	7964	1991	1186	1991
80°	5335	1768	600	1768
85°	3522	1195	1195	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	5.7
10°-20°	458.0	17.0
20°-30°	683.6	25.3
30°-40°	702.3	26.0
40°-50°	454.8	16.8
50°-60°	169.1	6.3
60°-70°	55.5	2.1
70°-80°	19.6	0.7
80°-90°	3.5	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°	1296.3	48.0
0°-40°	1998.6	74.0
0°-60°	2622.4	97.1
0°-90°	2701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2701.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1616	1616	1616	1616	1616	
5°	1555	1629	1649	1629	1555	147
15°	1467	1668	1710	1668	1467	413
25°	1313	1546	1599	1546	1313	602
35°	1019	1170	1202	1170	1019	633
45°	626	568	572	568	626	484
55°	295	128	115	128	295	269
65°	115	26	19	26	115	117
75°	38	9	6	9	38	41
85°	6	2	2	2	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1574.1	1596.7	1581.7	1591.1	1576.0	1576.0	1606.1	1589.2	1602.4	1589.2	1576.0
5°	1555.3	1583.5	1564.7	1574.1	1561.0	1562.9	1591.1	1577.9	1591.1	1581.7	1570.4
7.5°	1532.8	1561.0	1544.1	1553.5	1540.3	1544.1	1574.1	1561.0	1576.0	1566.6	1559.1
10°	1502.7	1532.8	1517.7	1527.1	1515.8	1517.7	1547.8	1538.4	1551.6	1545.9	1540.3
12.5°	1483.9	1512.1	1495.2	1504.6	1497.0	1500.8	1529.0	1521.5	1538.4	1532.8	1529.0
15°	1466.9	1493.3	1478.2	1487.6	1482.0	1483.9	1514.0	1506.4	1525.2	1521.5	1519.6
17.5°	1438.7	1466.9	1450.0	1461.3	1455.7	1457.5	1487.6	1482.0	1500.8	1500.8	1498.9
20°	1401.1	1429.3	1416.2	1423.7	1419.9	1423.7	1450.0	1446.3	1465.1	1465.1	1465.1
22.5°	1359.7	1388.0	1372.9	1380.4	1376.7	1382.3	1406.8	1406.8	1421.8	1423.7	1425.6
25°	1312.7	1340.9	1325.9	1335.3	1331.5	1335.3	1357.9	1359.7	1372.9	1372.9	1376.7
27.5°	1256.3	1284.5	1269.5	1277.0	1275.1	1277.0	1301.4	1305.2	1312.7	1314.6	1318.4
30°	1188.6	1214.9	1199.9	1207.4	1207.4	1207.4	1231.9	1233.7	1241.3	1243.1	1246.9
32.5°	1109.6	1132.2	1120.9	1128.4	1126.5	1130.3	1147.2	1154.7	1164.2	1162.3	1164.2
35°	1019.3	1043.8	1032.5	1038.1	1040.0	1045.7	1057.0	1066.4	1068.2	1070.1	1073.9
37.5°	921.5	946.0	934.7	940.3	942.2	953.5	957.3	966.7	970.4	970.4	970.4
40°	827.5	838.8	829.4	835.0	836.9	846.3	850.1	857.6	861.4	859.5	857.6
42.5°	725.9	735.4	725.9	731.6	731.6	739.1	741.0	750.4	750.4	746.6	741.0
45°	626.3	635.7	626.3	630.0	630.0	637.6	637.6	637.6	641.3	635.7	626.3
47.5°	532.2	541.6	532.2	536.0	534.1	539.8	537.9	539.8	534.1	530.4	519.1
50°	447.6	451.4	447.6	445.7	447.6	451.4	449.5	449.5	442.0	436.3	423.2
52.5°	364.9	370.5	364.9	364.9	364.9	368.6	368.6	366.7	359.2	351.7	338.5
55°	295.3	299.0	297.1	295.3	295.3	299.0	295.3	295.3	287.7	282.1	268.9
57.5°	235.1	237.0	235.1	235.1	235.1	237.0	237.0	233.2	227.6	221.9	212.5
60°	182.4	184.3	184.3	182.4	182.4	186.2	186.2	184.3	178.7	174.9	165.5
62.5°	144.8	144.8	144.8	144.8	144.8	146.7	146.7	146.7	142.9	139.2	131.6
65°	114.7	116.6	114.7	114.7	116.6	118.5	116.6	118.5	114.7	112.8	107.2
67.5°	88.4	90.3	88.4	90.3	90.3	92.2	90.3	92.2	88.4	86.5	82.8
70°	67.7	67.7	67.7	67.7	67.7	69.6	67.7	69.6	67.7	65.8	62.1
72.5°	50.8	50.8	52.7	52.7	50.8	52.7	50.8	50.8	50.8	48.9	47.0
75°	37.6	37.6	39.5	37.6	37.6	37.6	37.6	37.6	35.7	35.7	33.9
77.5°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	24.4	24.4	22.6
80°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	15.0	15.0
82.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.4	9.4
85°	5.6	5.6	5.6	7.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	1.9	1.9	1.9	3.8	1.9	1.9	3.8	3.8	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1591.1	1596.7	1596.7	1591.1	1604.2	1592.9	1615.5	1594.8	1600.5	1619.3	1617.4
5°	1585.4	1592.9	1594.8	1591.1	1608.0	1598.6	1621.2	1600.5	1609.9	1628.7	1628.7
7.5°	1577.9	1587.3	1591.1	1594.8	1609.9	1600.5	1626.8	1606.1	1619.3	1641.8	1640.0
10°	1561.0	1574.1	1581.7	1587.3	1602.4	1596.7	1624.9	1608.0	1619.3	1645.6	1643.7
12.5°	1551.6	1566.6	1577.9	1587.3	1604.2	1600.5	1628.7	1613.6	1628.7	1655.0	1655.0
15°	1544.1	1561.0	1574.1	1591.1	1608.0	1604.2	1634.3	1621.2	1636.2	1668.2	1666.3
17.5°	1525.2	1545.9	1559.1	1577.9	1594.8	1592.9	1624.9	1615.5	1632.4	1662.5	1664.4
20°	1493.3	1512.1	1527.1	1549.7	1568.5	1564.7	1598.6	1589.2	1606.1	1638.1	1640.0
22.5°	1451.9	1470.7	1485.7	1510.2	1527.1	1525.2	1559.1	1549.7	1566.6	1596.7	1598.6
25°	1403.0	1419.9	1435.0	1457.5	1476.3	1476.3	1506.4	1497.0	1515.8	1545.9	1545.9
27.5°	1342.8	1357.9	1371.0	1397.4	1412.4	1412.4	1440.6	1431.2	1450.0	1476.3	1474.5
30°	1269.5	1282.6	1293.9	1316.5	1329.7	1331.5	1356.0	1346.6	1365.4	1388.0	1388.0
32.5°	1181.1	1194.2	1201.8	1230.0	1239.4	1237.5	1256.3	1246.9	1265.7	1290.2	1284.5
35°	1087.0	1092.7	1098.3	1126.5	1130.3	1122.8	1141.6	1132.2	1145.3	1169.8	1166.0
37.5°	979.8	981.7	981.7	1006.2	1008.1	1002.4	1013.7	1002.4	1011.8	1034.4	1032.5
40°	861.4	859.5	857.6	876.4	874.5	863.2	870.8	861.4	874.5	891.4	882.0
42.5°	741.0	735.4	727.8	737.2	729.7	720.3	724.1	709.0	718.4	731.6	720.3
45°	622.5	611.2	596.2	598.1	588.7	577.4	571.7	556.7	554.8	568.0	558.6
47.5°	511.5	489.0	475.8	468.3	453.2	443.8	432.6	415.6	408.1	415.6	406.2
50°	411.9	389.3	372.4	355.5	340.4	329.1	310.3	299.0	287.7	289.6	282.1
52.5°	325.4	310.3	282.1	268.9	253.9	240.7	223.8	210.6	197.5	197.5	190.0
55°	257.7	237.0	218.2	199.4	184.3	173.0	156.1	142.9	129.8	127.9	120.4
57.5°	199.4	184.3	163.6	144.8	135.4	124.1	107.2	92.2	84.6	79.0	73.3
60°	154.2	139.2	122.2	107.2	95.9	88.4	71.5	60.2	52.7	48.9	43.3
62.5°	124.1	111.0	95.9	80.9	73.3	65.8	52.7	43.3	35.7	32.0	28.2
65°	99.7	88.4	77.1	65.8	60.2	52.7	43.3	35.7	30.1	26.3	22.6
67.5°	77.1	69.6	60.2	52.7	47.0	41.4	33.9	28.2	24.4	20.7	18.8
70°	58.3	52.7	47.0	39.5	35.7	32.0	26.3	20.7	18.8	16.9	15.0
72.5°	45.1	39.5	33.9	30.1	26.3	24.4	20.7	16.9	15.0	13.2	11.3
75°	30.1	28.2	24.4	20.7	18.8	16.9	15.0	13.2	11.3	9.4	9.4
77.5°	20.7	18.8	16.9	15.0	13.2	13.2	11.3	9.4	7.5	7.5	5.6
80°	13.2	11.3	11.3	9.4	9.4	9.4	7.5	5.6	5.6	5.6	3.8
82.5°	9.4	7.5	7.5	5.6	5.6	5.6	5.6	3.8	3.8	3.8	1.9
85°	5.6	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1602.4	1619.3	1619.3	1634.3	1636.2	1632.4	1615.5	1615.5	1638.1	1651.3	1628.7
5°	1617.4	1634.3	1634.3	1649.4	1656.9	1651.3	1634.3	1636.2	1658.8	1673.8	1651.3
7.5°	1630.6	1647.5	1651.3	1668.2	1673.8	1668.2	1651.3	1655.0	1679.5	1692.6	1670.1
10°	1636.2	1653.1	1655.0	1673.8	1681.3	1673.8	1660.7	1662.5	1688.9	1698.3	1677.6
12.5°	1649.4	1666.3	1666.3	1687.0	1694.5	1688.9	1671.9	1675.7	1702.0	1711.4	1690.7
15°	1662.5	1679.5	1679.5	1702.0	1711.4	1703.9	1690.7	1692.6	1719.0	1728.4	1711.4
17.5°	1662.5	1677.6	1677.6	1702.0	1711.4	1705.8	1690.7	1692.6	1720.8	1728.4	1711.4
20°	1638.1	1655.0	1651.3	1675.7	1685.1	1679.5	1666.3	1666.3	1694.5	1702.0	1685.1
22.5°	1598.6	1613.6	1609.9	1632.4	1643.7	1636.2	1624.9	1623.0	1651.3	1658.8	1641.8
25°	1544.1	1559.1	1555.3	1577.9	1589.2	1579.8	1566.6	1568.5	1591.1	1602.4	1587.3
27.5°	1480.1	1489.5	1483.9	1506.4	1517.7	1508.3	1495.2	1497.0	1519.6	1527.1	1515.8
30°	1393.6	1401.1	1395.5	1414.3	1421.8	1416.2	1404.9	1404.9	1425.6	1435.0	1423.7
32.5°	1290.2	1295.8	1290.2	1305.2	1320.2	1309.0	1297.7	1297.7	1320.2	1327.8	1314.6
35°	1169.8	1175.4	1171.7	1186.7	1198.0	1183.0	1173.6	1169.8	1199.9	1196.1	1188.6
37.5°	1036.3	1040.0	1028.7	1055.1	1060.7	1043.8	1036.3	1032.5	1058.8	1057.0	1049.4
40°	885.8	889.6	882.0	900.9	902.7	889.6	883.9	878.3	904.6	902.7	897.1
42.5°	725.9	727.8	718.4	733.5	737.2	724.1	722.2	714.7	739.1	735.4	733.5
45°	560.4	560.4	552.9	564.2	568.0	556.7	552.9	551.0	568.0	568.0	564.2
47.5°	406.2	400.6	391.2	408.1	410.0	402.5	400.6	394.9	411.9	411.9	408.1
50°	278.3	276.5	274.6	278.3	280.2	270.8	276.5	270.8	280.2	280.2	280.2
52.5°	186.2	184.3	180.5	184.3	184.3	178.7	178.7	176.8	184.3	184.3	180.5
55°	116.6	114.7	112.8	114.7	114.7	109.1	112.8	109.1	112.8	112.8	111.0
57.5°	71.5	67.7	67.7	65.8	65.8	62.1	63.9	63.9	63.9	63.9	63.9
60°	41.4	39.5	37.6	37.6	37.6	35.7	35.7	35.7	35.7	35.7	35.7
62.5°	26.3	26.3	24.4	24.4	24.4	24.4	24.4	22.6	24.4	24.4	24.4
65°	22.6	20.7	20.7	20.7	20.7	18.8	18.8	18.8	18.8	18.8	18.8
67.5°	18.8	16.9	16.9	16.9	16.9	15.0	15.0	15.0	15.0	15.0	15.0
70°	15.0	13.2	13.2	13.2	13.2	13.2	11.3	13.2	13.2	11.3	11.3
72.5°	11.3	11.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
75°	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	5.6
77.5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	0.0	1.9	0.0	1.9	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: P212809

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1655.0	1636.2	1626.8	1645.6	1653.1	1643.7	1636.2	1623.0	1636.2	1643.7	1653.1
5°	1677.6	1660.7	1653.1	1666.3	1677.6	1668.2	1662.5	1649.4	1662.5	1668.2	1677.6
7.5°	1698.3	1681.3	1671.9	1685.1	1698.3	1685.1	1679.5	1668.2	1679.5	1685.1	1698.3
10°	1705.8	1687.0	1679.5	1690.7	1703.9	1690.7	1683.2	1675.7	1683.2	1690.7	1703.9
12.5°	1719.0	1700.1	1690.7	1700.1	1713.3	1700.1	1692.6	1687.0	1692.6	1700.1	1713.3
15°	1737.8	1720.8	1709.6	1719.0	1735.9	1720.8	1711.4	1709.6	1711.4	1720.8	1735.9
17.5°	1737.8	1724.6	1713.3	1720.8	1737.8	1726.5	1713.3	1717.1	1713.3	1726.5	1737.8
20°	1713.3	1700.1	1690.7	1690.7	1715.2	1700.1	1688.9	1694.5	1688.9	1700.1	1715.2
22.5°	1670.1	1658.8	1649.4	1647.5	1671.9	1658.8	1643.7	1655.0	1643.7	1658.8	1671.9
25°	1613.6	1602.4	1594.8	1591.1	1615.5	1600.5	1587.3	1598.6	1587.3	1600.5	1615.5
27.5°	1540.3	1530.9	1523.4	1517.7	1540.3	1527.1	1514.0	1525.2	1514.0	1527.1	1540.3
30°	1446.3	1440.6	1433.1	1425.6	1448.1	1435.0	1421.8	1436.9	1421.8	1435.0	1448.1
32.5°	1337.2	1333.4	1324.0	1316.5	1339.1	1324.0	1314.6	1325.9	1314.6	1324.0	1339.1
35°	1211.2	1205.5	1199.9	1186.7	1211.2	1198.0	1198.0	1201.8	1198.0	1198.0	1211.2
37.5°	1070.1	1066.4	1058.8	1047.5	1068.2	1058.8	1055.1	1066.4	1055.1	1058.8	1068.2
40°	912.1	910.3	904.6	891.4	914.0	904.6	899.0	914.0	899.0	904.6	914.0
42.5°	746.6	742.9	737.2	735.4	746.6	739.1	744.8	744.8	744.8	739.1	746.6
45°	575.5	571.7	568.0	560.4	573.6	569.9	568.0	571.7	568.0	569.9	573.6
47.5°	417.5	413.8	410.0	404.3	417.5	411.9	411.9	415.6	411.9	411.9	417.5
50°	280.2	282.1	280.2	276.5	280.2	278.3	280.2	284.0	280.2	278.3	280.2
52.5°	186.2	186.2	182.4	180.5	184.3	182.4	188.1	184.3	188.1	182.4	184.3
55°	112.8	114.7	112.8	111.0	112.8	111.0	116.6	114.7	116.6	111.0	112.8
57.5°	63.9	63.9	65.8	63.9	67.7	65.8	65.8	65.8	65.8	65.8	67.7
60°	35.7	35.7	35.7	35.7	35.7	35.7	37.6	35.7	37.6	35.7	35.7
62.5°	24.4	24.4	24.4	22.6	24.4	22.6	24.4	24.4	24.4	22.6	24.4
65°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
67.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
70°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
72.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	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: P212809

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1645.6	1626.8	1636.2	1655.0	1628.7	1651.3	1638.1	1615.5	1615.5	1632.4	1636.2
5°	1666.3	1653.1	1660.7	1677.6	1651.3	1673.8	1658.8	1636.2	1634.3	1651.3	1656.9
7.5°	1685.1	1671.9	1681.3	1698.3	1670.1	1692.6	1679.5	1655.0	1651.3	1668.2	1673.8
10°	1690.7	1679.5	1687.0	1705.8	1677.6	1698.3	1688.9	1662.5	1660.7	1673.8	1681.3
12.5°	1700.1	1690.7	1700.1	1719.0	1690.7	1711.4	1702.0	1675.7	1671.9	1688.9	1694.5
15°	1719.0	1709.6	1720.8	1737.8	1711.4	1728.4	1719.0	1692.6	1690.7	1703.9	1711.4
17.5°	1720.8	1713.3	1724.6	1737.8	1711.4	1728.4	1720.8	1692.6	1690.7	1705.8	1711.4
20°	1690.7	1690.7	1700.1	1713.3	1685.1	1702.0	1694.5	1666.3	1666.3	1679.5	1685.1
22.5°	1647.5	1649.4	1658.8	1670.1	1641.8	1658.8	1651.3	1623.0	1624.9	1636.2	1643.7
25°	1591.1	1594.8	1602.4	1613.6	1587.3	1602.4	1591.1	1568.5	1566.6	1579.8	1589.2
27.5°	1517.7	1523.4	1530.9	1540.3	1515.8	1527.1	1519.6	1497.0	1495.2	1508.3	1517.7
30°	1425.6	1433.1	1440.6	1446.3	1423.7	1435.0	1425.6	1404.9	1404.9	1416.2	1421.8
32.5°	1316.5	1324.0	1333.4	1337.2	1314.6	1327.8	1320.2	1297.7	1297.7	1309.0	1320.2
35°	1186.7	1199.9	1205.5	1211.2	1188.6	1196.1	1199.9	1169.8	1173.6	1183.0	1198.0
37.5°	1047.5	1058.8	1066.4	1070.1	1049.4	1057.0	1058.8	1032.5	1036.3	1043.8	1060.7
40°	891.4	904.6	910.3	912.1	897.1	902.7	904.6	878.3	883.9	889.6	902.7
42.5°	735.4	737.2	742.9	746.6	733.5	735.4	739.1	714.7	722.2	724.1	737.2
45°	560.4	568.0	571.7	575.5	564.2	568.0	568.0	551.0	552.9	556.7	568.0
47.5°	404.3	410.0	413.8	417.5	408.1	411.9	411.9	394.9	400.6	402.5	410.0
50°	276.5	280.2	282.1	280.2	280.2	280.2	280.2	270.8	276.5	270.8	280.2
52.5°	180.5	182.4	186.2	186.2	180.5	184.3	184.3	176.8	178.7	178.7	184.3
55°	111.0	112.8	114.7	112.8	111.0	112.8	112.8	109.1	112.8	109.1	114.7
57.5°	63.9	65.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	62.1	65.8
60°	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	37.6
62.5°	22.6	24.4	24.4	24.4	24.4	24.4	24.4	22.6	24.4	24.4	24.4
65°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	20.7
67.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	16.9
70°	11.3	11.3	11.3	11.3	11.3	11.3	13.2	13.2	11.3	13.2	13.2
72.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.5
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	0.0	1.9
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: P212809

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1634.3	1619.3	1619.3	1602.4	1617.4	1619.3	1600.5	1594.8	1615.5	1592.9	1604.2
5°	1649.4	1634.3	1634.3	1617.4	1628.7	1628.7	1609.9	1600.5	1621.2	1598.6	1608.0
7.5°	1668.2	1651.3	1647.5	1630.6	1640.0	1641.8	1619.3	1606.1	1626.8	1600.5	1609.9
10°	1673.8	1655.0	1653.1	1636.2	1643.7	1645.6	1619.3	1608.0	1624.9	1596.7	1602.4
12.5°	1687.0	1666.3	1666.3	1649.4	1655.0	1655.0	1628.7	1613.6	1628.7	1600.5	1604.2
15°	1702.0	1679.5	1679.5	1662.5	1666.3	1668.2	1636.2	1621.2	1634.3	1604.2	1608.0
17.5°	1702.0	1677.6	1677.6	1662.5	1664.4	1662.5	1632.4	1615.5	1624.9	1592.9	1594.8
20°	1675.7	1651.3	1655.0	1638.1	1640.0	1638.1	1606.1	1589.2	1598.6	1564.7	1568.5
22.5°	1632.4	1609.9	1613.6	1598.6	1598.6	1596.7	1566.6	1549.7	1559.1	1525.2	1527.1
25°	1577.9	1555.3	1559.1	1544.1	1545.9	1545.9	1515.8	1497.0	1506.4	1476.3	1476.3
27.5°	1506.4	1483.9	1489.5	1480.1	1474.5	1476.3	1450.0	1431.2	1440.6	1412.4	1412.4
30°	1414.3	1395.5	1401.1	1393.6	1388.0	1388.0	1365.4	1346.6	1356.0	1331.5	1329.7
32.5°	1305.2	1290.2	1295.8	1290.2	1284.5	1290.2	1265.7	1246.9	1256.3	1237.5	1239.4
35°	1186.7	1171.7	1175.4	1169.8	1166.0	1169.8	1145.3	1132.2	1141.6	1122.8	1130.3
37.5°	1055.1	1028.7	1040.0	1036.3	1032.5	1034.4	1011.8	1002.4	1013.7	1002.4	1008.1
40°	900.9	882.0	889.6	885.8	882.0	891.4	874.5	861.4	870.8	863.2	874.5
42.5°	733.5	718.4	727.8	725.9	720.3	731.6	718.4	709.0	724.1	720.3	729.7
45°	564.2	552.9	560.4	560.4	558.6	568.0	554.8	556.7	571.7	577.4	588.7
47.5°	408.1	391.2	400.6	406.2	406.2	415.6	408.1	415.6	432.6	443.8	453.2
50°	278.3	274.6	276.5	278.3	282.1	289.6	287.7	299.0	310.3	329.1	340.4
52.5°	184.3	180.5	184.3	186.2	190.0	197.5	197.5	210.6	223.8	240.7	253.9
55°	114.7	112.8	114.7	116.6	120.4	127.9	129.8	142.9	156.1	173.0	184.3
57.5°	65.8	67.7	67.7	71.5	73.3	79.0	84.6	92.2	107.2	124.1	135.4
60°	37.6	37.6	39.5	41.4	43.3	48.9	52.7	60.2	71.5	88.4	95.9
62.5°	24.4	24.4	26.3	26.3	28.2	32.0	35.7	43.3	52.7	65.8	73.3
65°	20.7	20.7	20.7	22.6	22.6	26.3	30.1	35.7	43.3	52.7	60.2
67.5°	16.9	16.9	16.9	18.8	18.8	20.7	24.4	28.2	33.9	41.4	47.0
70°	13.2	13.2	13.2	15.0	15.0	16.9	18.8	20.7	26.3	32.0	35.7
72.5°	9.4	9.4	11.3	11.3	11.3	13.2	15.0	16.9	20.7	24.4	26.3
75°	7.5	7.5	7.5	7.5	9.4	9.4	11.3	13.2	15.0	16.9	18.8
77.5°	3.8	3.8	5.6	5.6	5.6	7.5	7.5	9.4	11.3	13.2	13.2
80°	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6	7.5	9.4	9.4
82.5°	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	5.6	5.6	5.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
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: P212809

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5	1615.5
2.5°	1591.1	1596.7	1596.7	1591.1	1576.0	1589.2	1602.4	1589.2	1606.1	1576.0	1576.0
5°	1591.1	1594.8	1592.9	1585.4	1570.4	1581.7	1591.1	1577.9	1591.1	1562.9	1561.0
7.5°	1594.8	1591.1	1587.3	1577.9	1559.1	1566.6	1576.0	1561.0	1574.1	1544.1	1540.3
10°	1587.3	1581.7	1574.1	1561.0	1540.3	1545.9	1551.6	1538.4	1547.8	1517.7	1515.8
12.5°	1587.3	1577.9	1566.6	1551.6	1529.0	1532.8	1538.4	1521.5	1529.0	1500.8	1497.0
15°	1591.1	1574.1	1561.0	1544.1	1519.6	1521.5	1525.2	1506.4	1514.0	1483.9	1482.0
17.5°	1577.9	1559.1	1545.9	1525.2	1498.9	1500.8	1500.8	1482.0	1487.6	1457.5	1455.7
20°	1549.7	1527.1	1512.1	1493.3	1465.1	1465.1	1465.1	1446.3	1450.0	1423.7	1419.9
22.5°	1510.2	1485.7	1470.7	1451.9	1425.6	1423.7	1421.8	1406.8	1406.8	1382.3	1376.7
25°	1457.5	1435.0	1419.9	1403.0	1376.7	1372.9	1372.9	1359.7	1357.9	1335.3	1331.5
27.5°	1397.4	1371.0	1357.9	1342.8	1318.4	1314.6	1312.7	1305.2	1301.4	1277.0	1275.1
30°	1316.5	1293.9	1282.6	1269.5	1246.9	1243.1	1241.3	1233.7	1231.9	1207.4	1207.4
32.5°	1230.0	1201.8	1194.2	1181.1	1164.2	1162.3	1164.2	1154.7	1147.2	1130.3	1126.5
35°	1126.5	1098.3	1092.7	1087.0	1073.9	1070.1	1068.2	1066.4	1057.0	1045.7	1040.0
37.5°	1006.2	981.7	981.7	979.8	970.4	970.4	970.4	966.7	957.3	953.5	942.2
40°	876.4	857.6	859.5	861.4	857.6	859.5	861.4	857.6	850.1	846.3	836.9
42.5°	737.2	727.8	735.4	741.0	741.0	746.6	750.4	750.4	741.0	739.1	731.6
45°	598.1	596.2	611.2	622.5	626.3	635.7	641.3	637.6	637.6	637.6	630.0
47.5°	468.3	475.8	489.0	511.5	519.1	530.4	534.1	539.8	537.9	539.8	534.1
50°	355.5	372.4	389.3	411.9	423.2	436.3	442.0	449.5	449.5	451.4	447.6
52.5°	268.9	282.1	310.3	325.4	338.5	351.7	359.2	366.7	368.6	368.6	364.9
55°	199.4	218.2	237.0	257.7	268.9	282.1	287.7	295.3	295.3	299.0	295.3
57.5°	144.8	163.6	184.3	199.4	212.5	221.9	227.6	233.2	237.0	237.0	235.1
60°	107.2	122.2	139.2	154.2	165.5	174.9	178.7	184.3	186.2	186.2	182.4
62.5°	80.9	95.9	111.0	124.1	131.6	139.2	142.9	146.7	146.7	146.7	144.8
65°	65.8	77.1	88.4	99.7	107.2	112.8	114.7	118.5	116.6	118.5	116.6
67.5°	52.7	60.2	69.6	77.1	82.8	86.5	88.4	92.2	90.3	92.2	90.3
70°	39.5	47.0	52.7	58.3	62.1	65.8	67.7	69.6	67.7	69.6	67.7
72.5°	30.1	33.9	39.5	45.1	47.0	48.9	50.8	50.8	50.8	52.7	50.8
75°	20.7	24.4	28.2	30.1	33.9	35.7	35.7	37.6	37.6	37.6	37.6
77.5°	15.0	16.9	18.8	20.7	22.6	24.4	24.4	26.3	26.3	26.3	26.3
80°	9.4	11.3	11.3	13.2	15.0	15.0	16.9	16.9	16.9	16.9	16.9
82.5°	5.6	7.5	7.5	9.4	9.4	9.4	11.3	11.3	11.3	11.3	11.3
85°	3.8	3.8	3.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	1.9	1.9
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: P212809

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1615.5	1615.5	1615.5	1615.5
2.5°	1591.1	1581.7	1596.7	1574.1
5°	1574.1	1564.7	1583.5	1555.3
7.5°	1553.5	1544.1	1561.0	1532.8
10°	1527.1	1517.7	1532.8	1502.7
12.5°	1504.6	1495.2	1512.1	1483.9
15°	1487.6	1478.2	1493.3	1466.9
17.5°	1461.3	1450.0	1466.9	1438.7
20°	1423.7	1416.2	1429.3	1401.1
22.5°	1380.4	1372.9	1388.0	1359.7
25°	1335.3	1325.9	1340.9	1312.7
27.5°	1277.0	1269.5	1284.5	1256.3
30°	1207.4	1199.9	1214.9	1188.6
32.5°	1128.4	1120.9	1132.2	1109.6
35°	1038.1	1032.5	1043.8	1019.3
37.5°	940.3	934.7	946.0	921.5
40°	835.0	829.4	838.8	827.5
42.5°	731.6	725.9	735.4	725.9
45°	630.0	626.3	635.7	626.3
47.5°	536.0	532.2	541.6	532.2
50°	445.7	447.6	451.4	447.6
52.5°	364.9	364.9	370.5	364.9
55°	295.3	297.1	299.0	295.3
57.5°	235.1	235.1	237.0	235.1
60°	182.4	184.3	184.3	182.4
62.5°	144.8	144.8	144.8	144.8
65°	114.7	114.7	116.6	114.7
67.5°	90.3	88.4	90.3	88.4
70°	67.7	67.7	67.7	67.7
72.5°	52.7	52.7	50.8	50.8
75°	37.6	39.5	37.6	37.6
77.5°	26.3	26.3	26.3	26.3
80°	16.9	16.9	16.9	16.9
82.5°	11.3	11.3	11.3	11.3
85°	7.5	5.6	5.6	5.6
87.5°	3.8	1.9	1.9	1.9
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)