

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: P212813

Luminaire Tested: **LD6B30D010 EU6B30508050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212813
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 EU6B30508050 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2923.2 lumens
Efficiency: N/A
Efficacy: 104.4 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

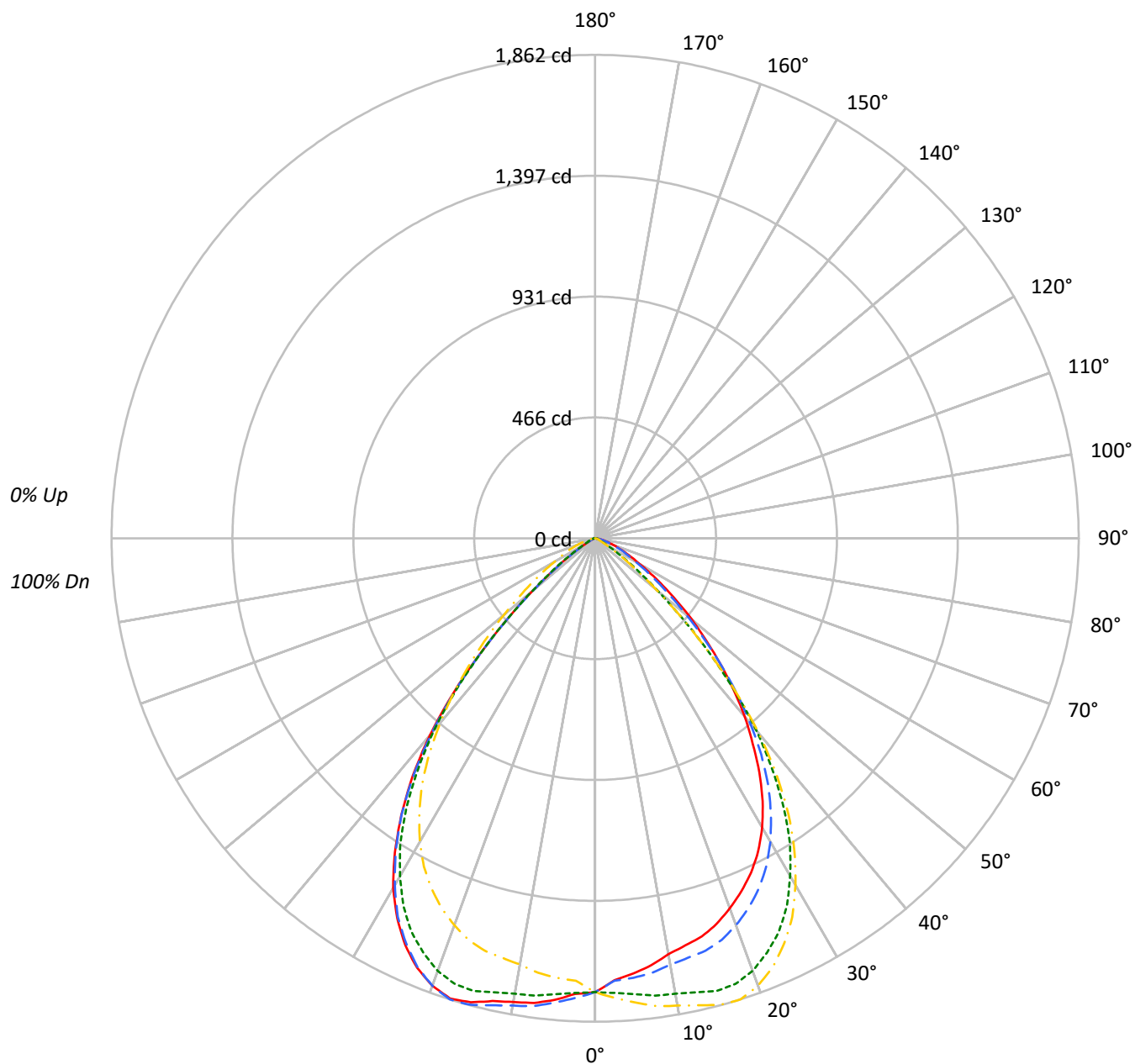
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91						
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82						
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73						
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66						
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60						
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54						
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49						
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45						
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42						
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38						

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	95848	95848	95848	95848
5°	92626	96995	98228	96995
10°	90529	99135	100950	99135
15°	90103	102464	105001	102464
20°	88459	103422	106987	103422
25°	85934	101201	104649	101201
30°	81430	95084	98433	95084
35°	73830	84725	87040	84725
40°	64092	69044	70790	69044
45°	52548	47656	47974	47656
50°	41312	26728	26208	26728
55°	30546	13228	11871	13228
60°	21643	5800	4243	5800
65°	16111	3697	2646	3697
70°	11749	2933	1955	2933
75°	8621	2160	1292	2160
80°	5777	1926	631	1926
85°	3837	1258	1258	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	5.7
10°-20°	495.7	17.0
20°-30°	739.8	25.3
30°-40°	760.1	26.0
40°-50°	492.2	16.8
50°-60°	183.0	6.3
60°-70°	60.1	2.1
70°-80°	21.2	0.7
80°-90°	3.8	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°	1402.9	48.0
0°-40°	2162.9	74.0
0°-60°	2838.1	97.1
0°-90°	2923.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1748	1748	1748	1748	1748	
5°	1683	1763	1785	1763	1683	159
15°	1588	1805	1850	1805	1588	446
25°	1421	1673	1730	1673	1421	651
35°	1103	1266	1301	1266	1103	685
45°	678	615	619	615	678	524
55°	320	138	124	138	320	291
65°	124	28	20	28	124	126
75°	41	10	6	10	41	45
85°	6	2	2	2	6	8
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°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1703.6	1728.0	1711.7	1721.9	1705.6	1705.6	1738.2	1719.9	1734.1	1719.9	1705.6
5°	1683.2	1713.8	1693.4	1703.6	1689.4	1691.4	1721.9	1707.7	1721.9	1711.7	1699.5
7.5°	1658.8	1689.4	1671.0	1681.2	1667.0	1671.0	1703.6	1689.4	1705.6	1695.5	1687.3
10°	1626.3	1658.8	1642.5	1652.7	1640.5	1642.5	1675.1	1664.9	1679.2	1673.1	1667.0
12.5°	1605.9	1636.4	1618.1	1628.3	1620.2	1624.2	1654.8	1646.6	1664.9	1658.8	1654.8
15°	1587.6	1616.1	1599.8	1610.0	1603.9	1605.9	1638.5	1630.3	1650.7	1646.6	1644.6
17.5°	1557.1	1587.6	1569.3	1581.5	1575.4	1577.4	1610.0	1603.9	1624.2	1624.2	1622.2
20°	1516.3	1546.9	1532.6	1540.8	1536.7	1540.8	1569.3	1565.2	1585.6	1585.6	1585.6
22.5°	1471.6	1502.1	1485.8	1494.0	1489.9	1496.0	1522.5	1522.5	1538.7	1540.8	1542.8
25°	1420.7	1451.2	1434.9	1445.1	1441.0	1445.1	1469.5	1471.6	1485.8	1485.8	1489.9
27.5°	1359.6	1390.2	1373.9	1382.0	1380.0	1382.0	1408.5	1412.5	1420.7	1422.7	1426.8
30°	1286.4	1314.8	1298.6	1306.7	1306.7	1306.7	1333.2	1335.2	1343.3	1345.4	1349.4
32.5°	1200.9	1225.3	1213.1	1221.2	1219.2	1223.3	1241.6	1249.7	1259.9	1257.9	1259.9
35°	1103.2	1129.6	1117.4	1123.5	1125.6	1131.7	1143.9	1154.1	1156.1	1158.1	1162.2
37.5°	997.3	1023.8	1011.6	1017.7	1019.7	1031.9	1036.0	1046.2	1050.2	1050.2	1050.2
40°	895.6	907.8	897.6	903.7	905.7	915.9	920.0	928.1	932.2	930.2	928.1
42.5°	785.7	795.8	785.7	791.8	791.8	799.9	801.9	812.1	812.1	808.0	801.9
45°	677.8	688.0	677.8	681.8	681.8	690.0	690.0	690.0	694.1	688.0	677.8
47.5°	576.0	586.2	576.0	580.1	578.0	584.2	582.1	584.2	578.0	574.0	561.8
50°	484.4	488.5	484.4	482.4	484.4	488.5	486.5	486.5	478.3	472.2	458.0
52.5°	394.9	401.0	394.9	394.9	394.9	398.9	398.9	396.9	388.8	380.6	366.4
55°	319.6	323.6	321.6	319.6	319.6	323.6	319.6	319.6	311.4	305.3	291.1
57.5°	254.4	256.5	254.4	254.4	254.4	256.5	256.5	252.4	246.3	240.2	230.0
60°	197.4	199.5	199.5	197.4	197.4	201.5	201.5	199.5	193.4	189.3	179.1
62.5°	156.7	156.7	156.7	156.7	156.7	158.8	158.8	158.8	154.7	150.6	142.5
65°	124.2	126.2	124.2	124.2	126.2	128.2	126.2	128.2	124.2	122.1	116.0
67.5°	95.7	97.7	95.7	97.7	97.7	99.7	97.7	99.7	95.7	93.6	89.6
70°	73.3	73.3	73.3	73.3	73.3	75.3	73.3	75.3	73.3	71.2	67.2
72.5°	55.0	55.0	57.0	57.0	55.0	57.0	55.0	55.0	55.0	52.9	50.9
75°	40.7	40.7	42.7	40.7	40.7	40.7	40.7	40.7	38.7	38.7	36.6
77.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	26.5	26.5	24.4
80°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	16.3	16.3
82.5°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.2	10.2
85°	6.1	6.1	6.1	8.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	2.0	2.0	2.0	4.1	2.0	2.0	4.1	4.1	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1721.9	1728.0	1728.0	1721.9	1736.2	1724.0	1748.4	1726.0	1732.1	1752.5	1750.4
5°	1715.8	1724.0	1726.0	1721.9	1740.2	1730.1	1754.5	1732.1	1742.3	1762.6	1762.6
7.5°	1707.7	1717.9	1721.9	1726.0	1742.3	1732.1	1760.6	1738.2	1752.5	1776.9	1774.8
10°	1689.4	1703.6	1711.7	1717.9	1734.1	1728.0	1758.6	1740.2	1752.5	1780.9	1778.9
12.5°	1679.2	1695.5	1707.7	1717.9	1736.2	1732.1	1762.6	1746.3	1762.6	1791.1	1791.1
15°	1671.0	1689.4	1703.6	1721.9	1740.2	1736.2	1768.7	1754.5	1770.8	1805.4	1803.3
17.5°	1650.7	1673.1	1687.3	1707.7	1726.0	1724.0	1758.6	1748.4	1766.7	1799.3	1801.3
20°	1616.1	1636.4	1652.7	1677.1	1697.5	1693.4	1730.1	1719.9	1738.2	1772.8	1774.8
22.5°	1571.3	1591.7	1607.9	1634.4	1652.7	1650.7	1687.3	1677.1	1695.5	1728.0	1730.1
25°	1518.4	1536.7	1553.0	1577.4	1597.8	1597.8	1630.3	1620.2	1640.5	1673.1	1673.1
27.5°	1453.3	1469.5	1483.8	1512.3	1528.6	1528.6	1559.1	1548.9	1569.3	1597.8	1595.7
30°	1373.9	1388.1	1400.3	1424.8	1439.0	1441.0	1467.5	1457.3	1477.7	1502.1	1502.1
32.5°	1278.2	1292.5	1300.6	1331.1	1341.3	1339.3	1359.6	1349.4	1369.8	1396.3	1390.2
35°	1176.4	1182.5	1188.7	1219.2	1223.3	1215.1	1235.5	1225.3	1239.5	1266.0	1261.9
37.5°	1060.4	1062.5	1062.5	1088.9	1091.0	1084.9	1097.1	1084.9	1095.0	1119.5	1117.4
40°	932.2	930.2	928.1	948.5	946.4	934.2	942.4	932.2	946.4	964.8	954.6
42.5°	801.9	795.8	787.7	797.9	789.7	779.5	783.6	767.3	777.5	791.8	779.5
45°	673.7	661.5	645.2	647.2	637.1	624.9	618.8	602.5	600.4	614.7	604.5
47.5°	553.6	529.2	514.9	506.8	490.5	480.3	468.1	449.8	441.7	449.8	439.6
50°	445.7	421.3	403.0	384.7	368.4	356.2	335.8	323.6	311.4	313.4	305.3
52.5°	352.1	335.8	305.3	291.1	274.8	260.5	242.2	228.0	213.7	213.7	205.6
55°	278.8	256.5	236.1	215.7	199.5	187.3	168.9	154.7	140.4	138.4	130.3
57.5°	215.7	199.5	177.1	156.7	146.5	134.3	116.0	99.7	91.6	85.5	79.4
60°	166.9	150.6	132.3	116.0	103.8	95.7	77.3	65.1	57.0	52.9	46.8
62.5°	134.3	120.1	103.8	87.5	79.4	71.2	57.0	46.8	38.7	34.6	30.5
65°	107.9	95.7	83.5	71.2	65.1	57.0	46.8	38.7	32.6	28.5	24.4
67.5°	83.5	75.3	65.1	57.0	50.9	44.8	36.6	30.5	26.5	22.4	20.4
70°	63.1	57.0	50.9	42.7	38.7	34.6	28.5	22.4	20.4	18.3	16.3
72.5°	48.8	42.7	36.6	32.6	28.5	26.5	22.4	18.3	16.3	14.2	12.2
75°	32.6	30.5	26.5	22.4	20.4	18.3	16.3	14.2	12.2	10.2	10.2
77.5°	22.4	20.4	18.3	16.3	14.2	14.2	12.2	10.2	8.1	8.1	6.1
80°	14.2	12.2	12.2	10.2	10.2	10.2	8.1	6.1	6.1	6.1	4.1
82.5°	10.2	8.1	8.1	6.1	6.1	6.1	6.1	4.1	4.1	4.1	2.0
85°	6.1	4.1	4.1	4.1	4.1	4.1	4.1	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1734.1	1752.5	1752.5	1768.7	1770.8	1766.7	1748.4	1748.4	1772.8	1787.1	1762.6
5°	1750.4	1768.7	1768.7	1785.0	1793.2	1787.1	1768.7	1770.8	1795.2	1811.5	1787.1
7.5°	1764.7	1783.0	1787.1	1805.4	1811.5	1805.4	1787.1	1791.1	1817.6	1831.8	1807.4
10°	1770.8	1789.1	1791.1	1811.5	1819.6	1811.5	1797.2	1799.3	1827.8	1837.9	1815.5
12.5°	1785.0	1803.3	1803.3	1825.7	1833.9	1827.8	1809.4	1813.5	1842.0	1852.2	1829.8
15°	1799.3	1817.6	1817.6	1842.0	1852.2	1844.0	1829.8	1831.8	1860.3	1870.5	1852.2
17.5°	1799.3	1815.5	1815.5	1842.0	1852.2	1846.1	1829.8	1831.8	1862.4	1870.5	1852.2
20°	1772.8	1791.1	1787.1	1813.5	1823.7	1817.6	1803.3	1803.3	1833.9	1842.0	1823.7
22.5°	1730.1	1746.3	1742.3	1766.7	1778.9	1770.8	1758.6	1756.5	1787.1	1795.2	1776.9
25°	1671.0	1687.3	1683.2	1707.7	1719.9	1709.7	1695.5	1697.5	1721.9	1734.1	1717.9
27.5°	1601.8	1612.0	1605.9	1630.3	1642.5	1632.4	1618.1	1620.2	1644.6	1652.7	1640.5
30°	1508.2	1516.3	1510.2	1530.6	1538.7	1532.6	1520.4	1520.4	1542.8	1553.0	1540.8
32.5°	1396.3	1402.4	1396.3	1412.5	1428.8	1416.6	1404.4	1404.4	1428.8	1437.0	1422.7
35°	1266.0	1272.1	1268.0	1284.3	1296.5	1280.2	1270.1	1266.0	1298.6	1294.5	1286.4
37.5°	1121.5	1125.6	1113.3	1141.8	1147.9	1129.6	1121.5	1117.4	1145.9	1143.9	1135.7
40°	958.7	962.7	954.6	974.9	977.0	962.7	956.6	950.5	979.0	977.0	970.9
42.5°	785.7	787.7	777.5	793.8	797.9	783.6	781.6	773.4	799.9	795.8	793.8
45°	606.5	606.5	598.4	610.6	614.7	602.5	598.4	596.4	614.7	614.7	610.6
47.5°	439.6	433.5	423.4	441.7	443.7	435.6	433.5	427.4	445.7	445.7	441.7
50°	301.2	299.2	297.2	301.2	303.3	293.1	299.2	293.1	303.3	303.3	303.3
52.5°	201.5	199.5	195.4	199.5	199.5	193.4	193.4	191.3	199.5	199.5	195.4
55°	126.2	124.2	122.1	124.2	124.2	118.1	122.1	118.1	122.1	122.1	120.1
57.5°	77.3	73.3	73.3	71.2	71.2	67.2	69.2	69.2	69.2	69.2	69.2
60°	44.8	42.7	40.7	40.7	40.7	38.7	38.7	38.7	38.7	38.7	38.7
62.5°	28.5	28.5	26.5	26.5	26.5	26.5	26.5	24.4	26.5	26.5	26.5
65°	24.4	22.4	22.4	22.4	22.4	20.4	20.4	20.4	20.4	20.4	20.4
67.5°	20.4	18.3	18.3	18.3	18.3	16.3	16.3	16.3	16.3	16.3	16.3
70°	16.3	14.2	14.2	14.2	14.2	14.2	12.2	14.2	14.2	12.2	12.2
72.5°	12.2	12.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
75°	8.1	8.1	8.1	8.1	8.1	6.1	6.1	6.1	6.1	6.1	6.1
77.5°	6.1	6.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	4.1	4.1	4.1	4.1	4.1	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: P212813

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1791.1	1770.8	1760.6	1780.9	1789.1	1778.9	1770.8	1756.5	1770.8	1778.9	1789.1
5°	1815.5	1797.2	1789.1	1803.3	1815.5	1805.4	1799.3	1785.0	1799.3	1805.4	1815.5
7.5°	1837.9	1819.6	1809.4	1823.7	1837.9	1823.7	1817.6	1805.4	1817.6	1823.7	1837.9
10°	1846.1	1825.7	1817.6	1829.8	1844.0	1829.8	1821.7	1813.5	1821.7	1829.8	1844.0
12.5°	1860.3	1840.0	1829.8	1840.0	1854.2	1840.0	1831.8	1825.7	1831.8	1840.0	1854.2
15°	1880.7	1862.4	1850.1	1860.3	1878.6	1862.4	1852.2	1850.1	1852.2	1862.4	1878.6
17.5°	1880.7	1866.4	1854.2	1862.4	1880.7	1868.5	1854.2	1858.3	1854.2	1868.5	1880.7
20°	1854.2	1840.0	1829.8	1829.8	1856.3	1840.0	1827.8	1833.9	1827.8	1840.0	1856.3
22.5°	1807.4	1795.2	1785.0	1783.0	1809.4	1795.2	1778.9	1791.1	1778.9	1795.2	1809.4
25°	1746.3	1734.1	1726.0	1721.9	1748.4	1732.1	1717.9	1730.1	1717.9	1732.1	1748.4
27.5°	1667.0	1656.8	1648.6	1642.5	1667.0	1652.7	1638.5	1650.7	1638.5	1652.7	1667.0
30°	1565.2	1559.1	1551.0	1542.8	1567.2	1553.0	1538.7	1555.0	1538.7	1553.0	1567.2
32.5°	1447.1	1443.1	1432.9	1424.8	1449.2	1432.9	1422.7	1434.9	1422.7	1432.9	1449.2
35°	1310.8	1304.7	1298.6	1284.3	1310.8	1296.5	1296.5	1300.6	1296.5	1296.5	1310.8
37.5°	1158.1	1154.1	1145.9	1133.7	1156.1	1145.9	1141.8	1154.1	1141.8	1145.9	1156.1
40°	987.2	985.1	979.0	964.8	989.2	979.0	972.9	989.2	972.9	979.0	989.2
42.5°	808.0	804.0	797.9	795.8	808.0	799.9	806.0	806.0	806.0	799.9	808.0
45°	622.8	618.8	614.7	606.5	620.8	616.7	614.7	618.8	614.7	616.7	620.8
47.5°	451.9	447.8	443.7	437.6	451.9	445.7	445.7	449.8	445.7	445.7	451.9
50°	303.3	305.3	303.3	299.2	303.3	301.2	303.3	307.3	303.3	301.2	303.3
52.5°	201.5	201.5	197.4	195.4	199.5	197.4	203.5	199.5	203.5	197.4	199.5
55°	122.1	124.2	122.1	120.1	122.1	120.1	126.2	124.2	126.2	120.1	122.1
57.5°	69.2	69.2	71.2	69.2	73.3	71.2	71.2	71.2	71.2	71.2	73.3
60°	38.7	38.7	38.7	38.7	38.7	38.7	40.7	38.7	40.7	38.7	38.7
62.5°	26.5	26.5	26.5	24.4	26.5	24.4	26.5	26.5	26.5	24.4	26.5
65°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
67.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
70°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
72.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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: P212813

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1780.9	1760.6	1770.8	1791.1	1762.6	1787.1	1772.8	1748.4	1748.4	1766.7	1770.8
5°	1803.3	1789.1	1797.2	1815.5	1787.1	1811.5	1795.2	1770.8	1768.7	1787.1	1793.2
7.5°	1823.7	1809.4	1819.6	1837.9	1807.4	1831.8	1817.6	1791.1	1787.1	1805.4	1811.5
10°	1829.8	1817.6	1825.7	1846.1	1815.5	1837.9	1827.8	1799.3	1797.2	1811.5	1819.6
12.5°	1840.0	1829.8	1840.0	1860.3	1829.8	1852.2	1842.0	1813.5	1809.4	1827.8	1833.9
15°	1860.3	1850.1	1862.4	1880.7	1852.2	1870.5	1860.3	1831.8	1829.8	1844.0	1852.2
17.5°	1862.4	1854.2	1866.4	1880.7	1852.2	1870.5	1862.4	1831.8	1829.8	1846.1	1852.2
20°	1829.8	1829.8	1840.0	1854.2	1823.7	1842.0	1833.9	1803.3	1803.3	1817.6	1823.7
22.5°	1783.0	1785.0	1795.2	1807.4	1776.9	1795.2	1787.1	1756.5	1758.6	1770.8	1778.9
25°	1721.9	1726.0	1734.1	1746.3	1717.9	1734.1	1721.9	1697.5	1695.5	1709.7	1719.9
27.5°	1642.5	1648.6	1656.8	1667.0	1640.5	1652.7	1644.6	1620.2	1618.1	1632.4	1642.5
30°	1542.8	1551.0	1559.1	1565.2	1540.8	1553.0	1542.8	1520.4	1520.4	1532.6	1538.7
32.5°	1424.8	1432.9	1443.1	1447.1	1422.7	1437.0	1428.8	1404.4	1404.4	1416.6	1428.8
35°	1284.3	1298.6	1304.7	1310.8	1286.4	1294.5	1298.6	1266.0	1270.1	1280.2	1296.5
37.5°	1133.7	1145.9	1154.1	1158.1	1135.7	1143.9	1145.9	1117.4	1121.5	1129.6	1147.9
40°	964.8	979.0	985.1	987.2	970.9	977.0	979.0	950.5	956.6	962.7	977.0
42.5°	795.8	797.9	804.0	808.0	793.8	795.8	799.9	773.4	781.6	783.6	797.9
45°	606.5	614.7	618.8	622.8	610.6	614.7	614.7	596.4	598.4	602.5	614.7
47.5°	437.6	443.7	447.8	451.9	441.7	445.7	445.7	427.4	433.5	435.6	443.7
50°	299.2	303.3	305.3	303.3	303.3	303.3	303.3	293.1	299.2	293.1	303.3
52.5°	195.4	197.4	201.5	201.5	195.4	199.5	199.5	191.3	193.4	193.4	199.5
55°	120.1	122.1	124.2	122.1	120.1	122.1	122.1	118.1	122.1	118.1	124.2
57.5°	69.2	71.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	67.2	71.2
60°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	40.7
62.5°	24.4	26.5	26.5	26.5	26.5	26.5	26.5	24.4	26.5	26.5	26.5
65°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	22.4
67.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	18.3
70°	12.2	12.2	12.2	12.2	12.2	12.2	14.2	14.2	12.2	14.2	14.2
72.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.1
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
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: P212813

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1768.7	1752.5	1752.5	1734.1	1750.4	1752.5	1732.1	1726.0	1748.4	1724.0	1736.2
5°	1785.0	1768.7	1768.7	1750.4	1762.6	1762.6	1742.3	1732.1	1754.5	1730.1	1740.2
7.5°	1805.4	1787.1	1783.0	1764.7	1774.8	1776.9	1752.5	1738.2	1760.6	1732.1	1742.3
10°	1811.5	1791.1	1789.1	1770.8	1778.9	1780.9	1752.5	1740.2	1758.6	1728.0	1734.1
12.5°	1825.7	1803.3	1803.3	1785.0	1791.1	1791.1	1762.6	1746.3	1762.6	1732.1	1736.2
15°	1842.0	1817.6	1817.6	1799.3	1803.3	1805.4	1770.8	1754.5	1768.7	1736.2	1740.2
17.5°	1842.0	1815.5	1815.5	1799.3	1801.3	1799.3	1766.7	1748.4	1758.6	1724.0	1726.0
20°	1813.5	1787.1	1791.1	1772.8	1774.8	1772.8	1738.2	1719.9	1730.1	1693.4	1697.5
22.5°	1766.7	1742.3	1746.3	1730.1	1730.1	1728.0	1695.5	1677.1	1687.3	1650.7	1652.7
25°	1707.7	1683.2	1687.3	1671.0	1673.1	1673.1	1640.5	1620.2	1630.3	1597.8	1597.8
27.5°	1630.3	1605.9	1612.0	1601.8	1595.7	1597.8	1569.3	1548.9	1559.1	1528.6	1528.6
30°	1530.6	1510.2	1516.3	1508.2	1502.1	1502.1	1477.7	1457.3	1467.5	1441.0	1439.0
32.5°	1412.5	1396.3	1402.4	1396.3	1390.2	1396.3	1369.8	1349.4	1359.6	1339.3	1341.3
35°	1284.3	1268.0	1272.1	1266.0	1261.9	1266.0	1239.5	1225.3	1235.5	1215.1	1223.3
37.5°	1141.8	1113.3	1125.6	1121.5	1117.4	1119.5	1095.0	1084.9	1097.1	1084.9	1091.0
40°	974.9	954.6	962.7	958.7	954.6	964.8	946.4	932.2	942.4	934.2	946.4
42.5°	793.8	777.5	787.7	785.7	779.5	791.8	777.5	767.3	783.6	779.5	789.7
45°	610.6	598.4	606.5	606.5	604.5	614.7	600.4	602.5	618.8	624.9	637.1
47.5°	441.7	423.4	433.5	439.6	439.6	449.8	441.7	449.8	468.1	480.3	490.5
50°	301.2	297.2	299.2	301.2	305.3	313.4	311.4	323.6	335.8	356.2	368.4
52.5°	199.5	195.4	199.5	201.5	205.6	213.7	213.7	228.0	242.2	260.5	274.8
55°	124.2	122.1	124.2	126.2	130.3	138.4	140.4	154.7	168.9	187.3	199.5
57.5°	71.2	73.3	73.3	77.3	79.4	85.5	91.6	99.7	116.0	134.3	146.5
60°	40.7	40.7	42.7	44.8	46.8	52.9	57.0	65.1	77.3	95.7	103.8
62.5°	26.5	26.5	28.5	28.5	30.5	34.6	38.7	46.8	57.0	71.2	79.4
65°	22.4	22.4	22.4	24.4	24.4	28.5	32.6	38.7	46.8	57.0	65.1
67.5°	18.3	18.3	18.3	20.4	20.4	22.4	26.5	30.5	36.6	44.8	50.9
70°	14.2	14.2	14.2	16.3	16.3	18.3	20.4	22.4	28.5	34.6	38.7
72.5°	10.2	10.2	12.2	12.2	12.2	14.2	16.3	18.3	22.4	26.5	28.5
75°	8.1	8.1	8.1	8.1	10.2	10.2	12.2	14.2	16.3	18.3	20.4
77.5°	4.1	4.1	6.1	6.1	6.1	8.1	8.1	10.2	12.2	14.2	14.2
80°	4.1	4.1	4.1	4.1	4.1	6.1	6.1	6.1	8.1	10.2	10.2
82.5°	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1	6.1	6.1	6.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
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: P212813

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4	1748.4
2.5°	1721.9	1728.0	1728.0	1721.9	1705.6	1719.9	1734.1	1719.9	1738.2	1705.6	1705.6
5°	1721.9	1726.0	1724.0	1715.8	1699.5	1711.7	1721.9	1707.7	1721.9	1691.4	1689.4
7.5°	1726.0	1721.9	1717.9	1707.7	1687.3	1695.5	1705.6	1689.4	1703.6	1671.0	1667.0
10°	1717.9	1711.7	1703.6	1689.4	1667.0	1673.1	1679.2	1664.9	1675.1	1642.5	1640.5
12.5°	1717.9	1707.7	1695.5	1679.2	1654.8	1658.8	1664.9	1646.6	1654.8	1624.2	1620.2
15°	1721.9	1703.6	1689.4	1671.0	1644.6	1646.6	1650.7	1630.3	1638.5	1605.9	1603.9
17.5°	1707.7	1687.3	1673.1	1650.7	1622.2	1624.2	1624.2	1603.9	1610.0	1577.4	1575.4
20°	1677.1	1652.7	1636.4	1616.1	1585.6	1585.6	1585.6	1565.2	1569.3	1540.8	1536.7
22.5°	1634.4	1607.9	1591.7	1571.3	1542.8	1540.8	1538.7	1522.5	1522.5	1496.0	1489.9
25°	1577.4	1553.0	1536.7	1518.4	1489.9	1485.8	1485.8	1471.6	1469.5	1445.1	1441.0
27.5°	1512.3	1483.8	1469.5	1453.3	1426.8	1422.7	1420.7	1412.5	1408.5	1382.0	1380.0
30°	1424.8	1400.3	1388.1	1373.9	1349.4	1345.4	1343.3	1335.2	1333.2	1306.7	1306.7
32.5°	1331.1	1300.6	1292.5	1278.2	1259.9	1257.9	1259.9	1249.7	1241.6	1223.3	1219.2
35°	1219.2	1188.7	1182.5	1176.4	1162.2	1158.1	1156.1	1154.1	1143.9	1131.7	1125.6
37.5°	1088.9	1062.5	1062.5	1060.4	1050.2	1050.2	1050.2	1046.2	1036.0	1031.9	1019.7
40°	948.5	928.1	930.2	932.2	928.1	930.2	932.2	928.1	920.0	915.9	905.7
42.5°	797.9	787.7	795.8	801.9	801.9	808.0	812.1	812.1	801.9	799.9	791.8
45°	647.2	645.2	661.5	673.7	677.8	688.0	694.1	690.0	690.0	690.0	681.8
47.5°	506.8	514.9	529.2	553.6	561.8	574.0	578.0	584.2	582.1	584.2	578.0
50°	384.7	403.0	421.3	445.7	458.0	472.2	478.3	486.5	486.5	488.5	484.4
52.5°	291.1	305.3	335.8	352.1	366.4	380.6	388.8	396.9	398.9	398.9	394.9
55°	215.7	236.1	256.5	278.8	291.1	305.3	311.4	319.6	319.6	323.6	319.6
57.5°	156.7	177.1	199.5	215.7	230.0	240.2	246.3	252.4	256.5	256.5	254.4
60°	116.0	132.3	150.6	166.9	179.1	189.3	193.4	199.5	201.5	201.5	197.4
62.5°	87.5	103.8	120.1	134.3	142.5	150.6	154.7	158.8	158.8	158.8	156.7
65°	71.2	83.5	95.7	107.9	116.0	122.1	124.2	128.2	126.2	128.2	126.2
67.5°	57.0	65.1	75.3	83.5	89.6	93.6	95.7	99.7	97.7	99.7	97.7
70°	42.7	50.9	57.0	63.1	67.2	71.2	73.3	75.3	73.3	75.3	73.3
72.5°	32.6	36.6	42.7	48.8	50.9	52.9	55.0	55.0	55.0	57.0	55.0
75°	22.4	26.5	30.5	32.6	36.6	38.7	38.7	40.7	40.7	40.7	40.7
77.5°	16.3	18.3	20.4	22.4	24.4	26.5	26.5	28.5	28.5	28.5	28.5
80°	10.2	12.2	12.2	14.2	16.3	16.3	18.3	18.3	18.3	18.3	18.3
82.5°	6.1	8.1	8.1	10.2	10.2	10.2	12.2	12.2	12.2	12.2	12.2
85°	4.1	4.1	4.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	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: P212813

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1748.4	1748.4	1748.4	1748.4
2.5°	1721.9	1711.7	1728.0	1703.6
5°	1703.6	1693.4	1713.8	1683.2
7.5°	1681.2	1671.0	1689.4	1658.8
10°	1652.7	1642.5	1658.8	1626.3
12.5°	1628.3	1618.1	1636.4	1605.9
15°	1610.0	1599.8	1616.1	1587.6
17.5°	1581.5	1569.3	1587.6	1557.1
20°	1540.8	1532.6	1546.9	1516.3
22.5°	1494.0	1485.8	1502.1	1471.6
25°	1445.1	1434.9	1451.2	1420.7
27.5°	1382.0	1373.9	1390.2	1359.6
30°	1306.7	1298.6	1314.8	1286.4
32.5°	1221.2	1213.1	1225.3	1200.9
35°	1123.5	1117.4	1129.6	1103.2
37.5°	1017.7	1011.6	1023.8	997.3
40°	903.7	897.6	907.8	895.6
42.5°	791.8	785.7	795.8	785.7
45°	681.8	677.8	688.0	677.8
47.5°	580.1	576.0	586.2	576.0
50°	482.4	484.4	488.5	484.4
52.5°	394.9	394.9	401.0	394.9
55°	319.6	321.6	323.6	319.6
57.5°	254.4	254.4	256.5	254.4
60°	197.4	199.5	199.5	197.4
62.5°	156.7	156.7	156.7	156.7
65°	124.2	124.2	126.2	124.2
67.5°	97.7	95.7	97.7	95.7
70°	73.3	73.3	73.3	73.3
72.5°	57.0	57.0	55.0	55.0
75°	40.7	42.7	40.7	40.7
77.5°	28.5	28.5	28.5	28.5
80°	18.3	18.3	18.3	18.3
82.5°	12.2	12.2	12.2	12.2
85°	8.1	6.1	6.1	6.1
87.5°	4.1	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)