

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: P212834

Luminaire Tested: **LD6B40D010 EU6B30509730 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212834  
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: LD6B40D010 EU6B30509730 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2979.9 lumens  
Efficiency: N/A  
Efficacy: 69.3 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

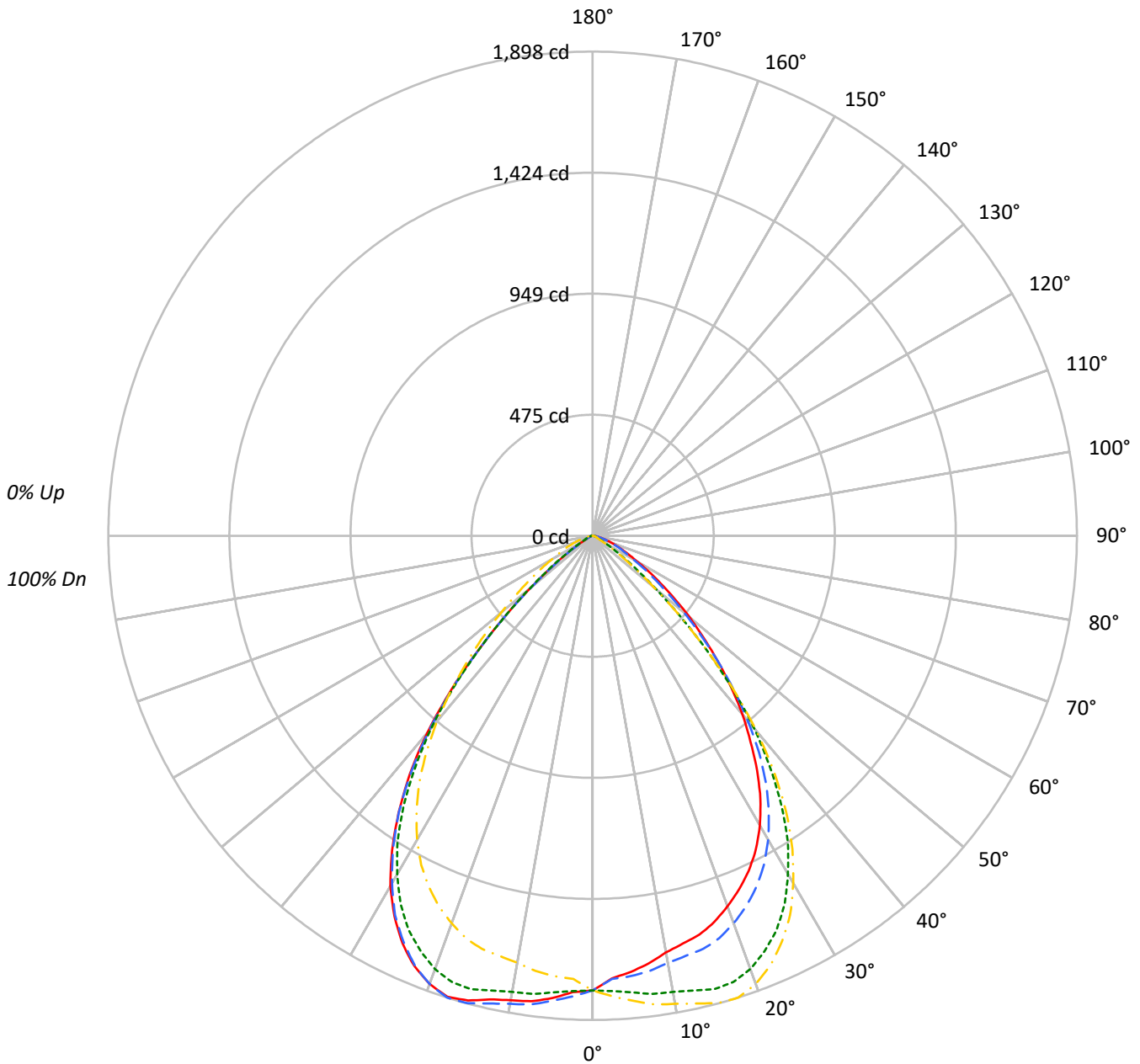
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	71	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°	97706	97706	97706	97706
5°	94425	98883	100137	98883
10°	92283	101061	102909	101061
15°	91851	104450	107044	104450
20°	90180	105429	109064	105429
25°	87604	103167	106682	103167
30°	83006	96933	100345	96933
35°	75262	86371	88733	86371
40°	65337	70382	72164	70382
45°	53564	48579	48904	48579
50°	42114	27249	26720	27249
55°	31139	13486	12100	13486
60°	22071	5910	4320	5910
65°	16422	3762	2685	3762
70°	11973	2997	1988	2997
75°	8790	2203	1313	2203
80°	5904	1957	663	1957
85°	3900	1321	1321	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.6	5.7
10°-20°	505.3	17.0
20°-30°	754.1	25.3
30°-40°	774.8	26.0
40°-50°	501.7	16.8
50°-60°	186.6	6.3
60°-70°	61.2	2.1
70°-80°	21.6	0.7
80°-90°	3.9	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°	1430.1	48.0
0°-40°	2204.9	74.0
0°-60°	2893.2	97.1
0°-90°	2979.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1782	1782	1782	1782	1782	
5°	1716	1797	1820	1797	1716	162
15°	1618	1840	1886	1840	1618	455
25°	1448	1706	1764	1706	1448	664
35°	1125	1291	1326	1291	1125	698
45°	691	627	631	627	691	534
55°	326	141	127	141	326	297
65°	127	29	21	29	127	129
75°	42	10	6	10	42	46
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°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1736.7	1761.6	1745.0	1755.4	1738.8	1738.8	1772.0	1753.3	1767.8	1753.3	1738.8
5°	1715.9	1747.1	1726.3	1736.7	1722.2	1724.2	1755.4	1740.8	1755.4	1745.0	1732.5
7.5°	1691.0	1722.2	1703.5	1713.9	1699.3	1703.5	1736.7	1722.2	1738.8	1728.4	1720.1
10°	1657.8	1691.0	1674.4	1684.8	1672.4	1674.4	1707.6	1697.3	1711.8	1705.6	1699.3
12.5°	1637.1	1668.2	1649.5	1659.9	1651.6	1655.8	1686.9	1678.6	1697.3	1691.0	1686.9
15°	1618.4	1647.5	1630.9	1641.2	1635.0	1637.1	1670.3	1662.0	1682.7	1678.6	1676.5
17.5°	1587.3	1618.4	1599.7	1612.2	1606.0	1608.0	1641.2	1635.0	1655.8	1655.8	1653.7
20°	1545.8	1576.9	1562.4	1570.7	1566.6	1570.7	1599.7	1595.6	1616.3	1616.3	1616.3
22.5°	1500.2	1531.3	1514.7	1523.0	1518.8	1525.1	1552.0	1552.0	1568.6	1570.7	1572.8
25°	1448.3	1479.4	1462.8	1473.2	1469.0	1473.2	1498.1	1500.2	1514.7	1514.7	1518.8
27.5°	1386.0	1417.2	1400.6	1408.9	1406.8	1408.9	1435.8	1440.0	1448.3	1450.4	1454.5
30°	1311.3	1340.4	1323.8	1332.1	1332.1	1332.1	1359.1	1361.1	1369.4	1371.5	1375.7
32.5°	1224.2	1249.1	1236.6	1244.9	1242.9	1247.0	1265.7	1274.0	1284.4	1282.3	1284.4
35°	1124.6	1151.6	1139.1	1145.3	1147.4	1153.6	1166.1	1176.5	1178.5	1180.6	1184.8
37.5°	1016.7	1043.7	1031.2	1037.5	1039.5	1052.0	1056.1	1066.5	1070.6	1070.6	1070.6
40°	913.0	925.4	915.0	921.3	923.3	933.7	937.9	946.2	950.3	948.2	946.2
42.5°	800.9	811.3	800.9	807.1	807.1	815.4	817.5	827.9	827.9	823.7	817.5
45°	690.9	701.3	690.9	695.1	695.1	703.4	703.4	703.4	707.5	701.3	690.9
47.5°	587.2	597.6	587.2	591.3	589.3	595.5	593.4	595.5	589.3	585.1	572.7
50°	493.8	498.0	493.8	491.8	493.8	498.0	495.9	495.9	487.6	481.4	466.9
52.5°	402.5	408.8	402.5	402.5	402.5	406.7	406.7	404.6	396.3	388.0	373.5
55°	325.8	329.9	327.8	325.8	325.8	329.9	325.8	325.8	317.5	311.2	296.7
57.5°	259.4	261.4	259.4	259.4	259.4	261.4	261.4	257.3	251.1	244.8	234.5
60°	201.3	203.3	203.3	201.3	201.3	205.4	205.4	203.3	197.1	193.0	182.6
62.5°	159.8	159.8	159.8	159.8	159.8	161.8	161.8	161.8	157.7	153.5	145.2
65°	126.6	128.6	126.6	126.6	128.6	130.7	128.6	130.7	126.6	124.5	118.3
67.5°	97.5	99.6	97.5	99.6	99.6	101.7	99.6	101.7	97.5	95.4	91.3
70°	74.7	74.7	74.7	74.7	74.7	76.8	74.7	76.8	74.7	72.6	68.5
72.5°	56.0	56.0	58.1	58.1	56.0	58.1	56.0	56.0	56.0	53.9	51.9
75°	41.5	41.5	43.6	41.5	41.5	41.5	41.5	41.5	39.4	39.4	37.3
77.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	27.0	27.0	24.9
80°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	16.6	16.6
82.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	10.4	10.4
85°	6.2	6.2	6.2	8.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	2.1	2.1	2.1	4.1	2.1	2.1	4.1	4.1	2.1	2.1	2.1
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°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1755.4	1761.6	1761.6	1755.4	1769.9	1757.4	1782.3	1759.5	1765.7	1786.5	1784.4
5°	1749.1	1757.4	1759.5	1755.4	1774.0	1763.7	1788.6	1765.7	1776.1	1796.9	1796.9
7.5°	1740.8	1751.2	1755.4	1759.5	1776.1	1765.7	1794.8	1772.0	1786.5	1811.4	1809.3
10°	1722.2	1736.7	1745.0	1751.2	1767.8	1761.6	1792.7	1774.0	1786.5	1815.5	1813.5
12.5°	1711.8	1728.4	1740.8	1751.2	1769.9	1765.7	1796.9	1780.3	1796.9	1825.9	1825.9
15°	1703.5	1722.2	1736.7	1755.4	1774.0	1769.9	1803.1	1788.6	1805.2	1840.4	1838.4
17.5°	1682.7	1705.6	1720.1	1740.8	1759.5	1757.4	1792.7	1782.3	1801.0	1834.2	1836.3
20°	1647.5	1668.2	1684.8	1709.7	1730.5	1726.3	1763.7	1753.3	1772.0	1807.2	1809.3
22.5°	1601.8	1622.6	1639.2	1666.1	1684.8	1682.7	1720.1	1709.7	1728.4	1761.6	1763.7
25°	1547.9	1566.6	1583.2	1608.0	1628.8	1628.8	1662.0	1651.6	1672.4	1705.6	1705.6
27.5°	1481.5	1498.1	1512.6	1541.7	1558.3	1558.3	1589.4	1579.0	1599.7	1628.8	1626.7
30°	1400.6	1415.1	1427.5	1452.4	1467.0	1469.0	1496.0	1485.6	1506.4	1531.3	1531.3
32.5°	1303.0	1317.6	1325.9	1357.0	1367.4	1365.3	1386.0	1375.7	1396.4	1423.4	1417.2
35°	1199.3	1205.5	1211.7	1242.9	1247.0	1238.7	1259.5	1249.1	1263.6	1290.6	1286.4
37.5°	1081.0	1083.1	1083.1	1110.1	1112.1	1105.9	1118.4	1105.9	1116.3	1141.2	1139.1
40°	950.3	948.2	946.2	966.9	964.8	952.4	960.7	950.3	964.8	983.5	973.1
42.5°	817.5	811.3	803.0	813.4	805.1	794.7	798.8	782.2	792.6	807.1	794.7
45°	686.8	674.3	657.7	659.8	649.4	637.0	630.8	614.2	612.1	626.6	616.2
47.5°	564.4	539.5	525.0	516.7	500.1	489.7	477.2	458.6	450.3	458.6	448.2
50°	454.4	429.5	410.8	392.2	375.6	363.1	342.4	329.9	317.5	319.5	311.2
52.5°	359.0	342.4	311.2	296.7	280.1	265.6	246.9	232.4	217.9	217.9	209.6
55°	284.3	261.4	240.7	219.9	203.3	190.9	172.2	157.7	143.2	141.1	132.8
57.5°	219.9	203.3	180.5	159.8	149.4	136.9	118.3	101.7	93.4	87.1	80.9
60°	170.1	153.5	134.9	118.3	105.8	97.5	78.8	66.4	58.1	53.9	47.7
62.5°	136.9	122.4	105.8	89.2	80.9	72.6	58.1	47.7	39.4	35.3	31.1
65°	110.0	97.5	85.1	72.6	66.4	58.1	47.7	39.4	33.2	29.0	24.9
67.5°	85.1	76.8	66.4	58.1	51.9	45.6	37.3	31.1	27.0	22.8	20.7
70°	64.3	58.1	51.9	43.6	39.4	35.3	29.0	22.8	20.7	18.7	16.6
72.5°	49.8	43.6	37.3	33.2	29.0	27.0	22.8	18.7	16.6	14.5	12.4
75°	33.2	31.1	27.0	22.8	20.7	18.7	16.6	14.5	12.4	10.4	10.4
77.5°	22.8	20.7	18.7	16.6	14.5	14.5	12.4	10.4	8.3	8.3	6.2
80°	14.5	12.4	12.4	10.4	10.4	10.4	8.3	6.2	6.2	6.2	4.1
82.5°	10.4	8.3	8.3	6.2	6.2	6.2	6.2	4.1	4.1	4.1	2.1
85°	6.2	4.1	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1767.8	1786.5	1786.5	1803.1	1805.2	1801.0	1782.3	1782.3	1807.2	1821.8	1796.9
5°	1784.4	1803.1	1803.1	1819.7	1828.0	1821.8	1803.1	1805.2	1830.1	1846.7	1821.8
7.5°	1798.9	1817.6	1821.8	1840.4	1846.7	1840.4	1821.8	1825.9	1852.9	1867.4	1842.5
10°	1805.2	1823.8	1825.9	1846.7	1855.0	1846.7	1832.1	1834.2	1863.3	1873.6	1850.8
12.5°	1819.7	1838.4	1838.4	1861.2	1869.5	1863.3	1844.6	1848.7	1877.8	1888.2	1865.3
15°	1834.2	1852.9	1852.9	1877.8	1888.2	1879.9	1865.3	1867.4	1896.5	1906.8	1888.2
17.5°	1834.2	1850.8	1850.8	1877.8	1888.2	1881.9	1865.3	1867.4	1898.5	1906.8	1888.2
20°	1807.2	1825.9	1821.8	1848.7	1859.1	1852.9	1838.4	1838.4	1869.5	1877.8	1859.1
22.5°	1763.7	1780.3	1776.1	1801.0	1813.5	1805.2	1792.7	1790.6	1821.8	1830.1	1811.4
25°	1703.5	1720.1	1715.9	1740.8	1753.3	1742.9	1728.4	1730.5	1755.4	1767.8	1751.2
27.5°	1632.9	1643.3	1637.1	1662.0	1674.4	1664.1	1649.5	1651.6	1676.5	1684.8	1672.4
30°	1537.5	1545.8	1539.6	1560.3	1568.6	1562.4	1550.0	1550.0	1572.8	1583.2	1570.7
32.5°	1423.4	1429.6	1423.4	1440.0	1456.6	1444.1	1431.7	1431.7	1456.6	1464.9	1450.4
35°	1290.6	1296.8	1292.7	1309.3	1321.7	1305.1	1294.7	1290.6	1323.8	1319.6	1311.3
37.5°	1143.3	1147.4	1135.0	1164.0	1170.2	1151.6	1143.3	1139.1	1168.2	1166.1	1157.8
40°	977.3	981.4	973.1	993.9	996.0	981.4	975.2	969.0	998.0	996.0	989.7
42.5°	800.9	803.0	792.6	809.2	813.4	798.8	796.8	788.5	815.4	811.3	809.2
45°	618.3	618.3	610.0	622.5	626.6	614.2	610.0	607.9	626.6	626.6	622.5
47.5°	448.2	442.0	431.6	450.3	452.3	444.0	442.0	435.7	454.4	454.4	450.3
50°	307.1	305.0	302.9	307.1	309.2	298.8	305.0	298.8	309.2	309.2	309.2
52.5°	205.4	203.3	199.2	203.3	203.3	197.1	197.1	195.0	203.3	203.3	199.2
55°	128.6	126.6	124.5	126.6	126.6	120.3	124.5	120.3	124.5	124.5	122.4
57.5°	78.8	74.7	74.7	72.6	72.6	68.5	70.5	70.5	70.5	70.5	70.5
60°	45.6	43.6	41.5	41.5	41.5	39.4	39.4	39.4	39.4	39.4	39.4
62.5°	29.0	29.0	27.0	27.0	27.0	27.0	27.0	24.9	27.0	27.0	27.0
65°	24.9	22.8	22.8	22.8	22.8	20.7	20.7	20.7	20.7	20.7	20.7
67.5°	20.7	18.7	18.7	18.7	18.7	16.6	16.6	16.6	16.6	16.6	16.6
70°	16.6	14.5	14.5	14.5	14.5	14.5	12.4	14.5	14.5	12.4	12.4
72.5°	12.4	12.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
75°	8.3	8.3	8.3	8.3	8.3	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	6.2	6.2	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	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	0.0	2.1	0.0	2.1	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: P212834

CATALOG NUMBER: LD6B40D010 EU6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1825.9	1805.2	1794.8	1815.5	1823.8	1813.5	1805.2	1790.6	1805.2	1813.5	1823.8
5°	1850.8	1832.1	1823.8	1838.4	1850.8	1840.4	1834.2	1819.7	1834.2	1840.4	1850.8
7.5°	1873.6	1855.0	1844.6	1859.1	1873.6	1859.1	1852.9	1840.4	1852.9	1859.1	1873.6
10°	1881.9	1861.2	1852.9	1865.3	1879.9	1865.3	1857.0	1848.7	1857.0	1865.3	1879.9
12.5°	1896.5	1875.7	1865.3	1875.7	1890.2	1875.7	1867.4	1861.2	1867.4	1875.7	1890.2
15°	1917.2	1898.5	1886.1	1896.5	1915.1	1898.5	1888.2	1886.1	1888.2	1898.5	1915.1
17.5°	1917.2	1902.7	1890.2	1898.5	1917.2	1904.8	1890.2	1894.4	1890.2	1904.8	1917.2
20°	1890.2	1875.7	1865.3	1865.3	1892.3	1875.7	1863.3	1869.5	1863.3	1875.7	1892.3
22.5°	1842.5	1830.1	1819.7	1817.6	1844.6	1830.1	1813.5	1825.9	1813.5	1830.1	1844.6
25°	1780.3	1767.8	1759.5	1755.4	1782.3	1765.7	1751.2	1763.7	1751.2	1765.7	1782.3
27.5°	1699.3	1689.0	1680.7	1674.4	1699.3	1684.8	1670.3	1682.7	1670.3	1684.8	1699.3
30°	1595.6	1589.4	1581.1	1572.8	1597.7	1583.2	1568.6	1585.2	1568.6	1583.2	1597.7
32.5°	1475.3	1471.1	1460.7	1452.4	1477.3	1460.7	1450.4	1462.8	1450.4	1460.7	1477.3
35°	1336.2	1330.0	1323.8	1309.3	1336.2	1321.7	1321.7	1325.9	1321.7	1321.7	1336.2
37.5°	1180.6	1176.5	1168.2	1155.7	1178.5	1168.2	1164.0	1176.5	1164.0	1168.2	1178.5
40°	1006.3	1004.3	998.0	983.5	1008.4	998.0	991.8	1008.4	991.8	998.0	1008.4
42.5°	823.7	819.6	813.4	811.3	823.7	815.4	821.7	821.7	821.7	815.4	823.7
45°	634.9	630.8	626.6	618.3	632.8	628.7	626.6	630.8	626.6	628.7	632.8
47.5°	460.6	456.5	452.3	446.1	460.6	454.4	454.4	458.6	454.4	454.4	460.6
50°	309.2	311.2	309.2	305.0	309.2	307.1	309.2	313.3	309.2	307.1	309.2
52.5°	205.4	205.4	201.3	199.2	203.3	201.3	207.5	203.3	207.5	201.3	203.3
55°	124.5	126.6	124.5	122.4	124.5	122.4	128.6	126.6	128.6	122.4	124.5
57.5°	70.5	70.5	72.6	70.5	74.7	72.6	72.6	72.6	72.6	72.6	74.7
60°	39.4	39.4	39.4	39.4	39.4	39.4	41.5	39.4	41.5	39.4	39.4
62.5°	27.0	27.0	27.0	24.9	27.0	24.9	27.0	27.0	27.0	24.9	27.0
65°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
67.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
70°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
72.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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: P212834

CATALOG NUMBER: LD6B40D010 EU6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1815.5	1794.8	1805.2	1825.9	1796.9	1821.8	1807.2	1782.3	1782.3	1801.0	1805.2
5°	1838.4	1823.8	1832.1	1850.8	1821.8	1846.7	1830.1	1805.2	1803.1	1821.8	1828.0
7.5°	1859.1	1844.6	1855.0	1873.6	1842.5	1867.4	1852.9	1825.9	1821.8	1840.4	1846.7
10°	1865.3	1852.9	1861.2	1881.9	1850.8	1873.6	1863.3	1834.2	1832.1	1846.7	1855.0
12.5°	1875.7	1865.3	1875.7	1896.5	1865.3	1888.2	1877.8	1848.7	1844.6	1863.3	1869.5
15°	1896.5	1886.1	1898.5	1917.2	1888.2	1906.8	1896.5	1867.4	1865.3	1879.9	1888.2
17.5°	1898.5	1890.2	1902.7	1917.2	1888.2	1906.8	1898.5	1867.4	1865.3	1881.9	1888.2
20°	1865.3	1865.3	1875.7	1890.2	1859.1	1877.8	1869.5	1838.4	1838.4	1852.9	1859.1
22.5°	1817.6	1819.7	1830.1	1842.5	1811.4	1830.1	1821.8	1790.6	1792.7	1805.2	1813.5
25°	1755.4	1759.5	1767.8	1780.3	1751.2	1767.8	1755.4	1730.5	1728.4	1742.9	1753.3
27.5°	1674.4	1680.7	1689.0	1699.3	1672.4	1684.8	1676.5	1651.6	1649.5	1664.1	1674.4
30°	1572.8	1581.1	1589.4	1595.6	1570.7	1583.2	1572.8	1550.0	1550.0	1562.4	1568.6
32.5°	1452.4	1460.7	1471.1	1475.3	1450.4	1464.9	1456.6	1431.7	1431.7	1444.1	1456.6
35°	1309.3	1323.8	1330.0	1336.2	1311.3	1319.6	1323.8	1290.6	1294.7	1305.1	1321.7
37.5°	1155.7	1168.2	1176.5	1180.6	1157.8	1166.1	1168.2	1139.1	1143.3	1151.6	1170.2
40°	983.5	998.0	1004.3	1006.3	989.7	996.0	998.0	969.0	975.2	981.4	996.0
42.5°	811.3	813.4	819.6	823.7	809.2	811.3	815.4	788.5	796.8	798.8	813.4
45°	618.3	626.6	630.8	634.9	622.5	626.6	626.6	607.9	610.0	614.2	626.6
47.5°	446.1	452.3	456.5	460.6	450.3	454.4	454.4	435.7	442.0	444.0	452.3
50°	305.0	309.2	311.2	309.2	309.2	309.2	309.2	298.8	305.0	298.8	309.2
52.5°	199.2	201.3	205.4	205.4	199.2	203.3	203.3	195.0	197.1	197.1	203.3
55°	122.4	124.5	126.6	124.5	122.4	124.5	124.5	120.3	124.5	120.3	126.6
57.5°	70.5	72.6	70.5	70.5	70.5	70.5	70.5	70.5	70.5	68.5	72.6
60°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	41.5
62.5°	24.9	27.0	27.0	27.0	27.0	27.0	27.0	24.9	27.0	27.0	27.0
65°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	22.8
67.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	18.7
70°	12.4	12.4	12.4	12.4	12.4	12.4	14.5	14.5	12.4	14.5	14.5
72.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	0.0	2.1
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: P212834

CATALOG NUMBER: LD6B40D010 EU6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1803.1	1786.5	1786.5	1767.8	1784.4	1786.5	1765.7	1759.5	1782.3	1757.4	1769.9
5°	1819.7	1803.1	1803.1	1784.4	1796.9	1796.9	1776.1	1765.7	1788.6	1763.7	1774.0
7.5°	1840.4	1821.8	1817.6	1798.9	1809.3	1811.4	1786.5	1772.0	1794.8	1765.7	1776.1
10°	1846.7	1825.9	1823.8	1805.2	1813.5	1815.5	1786.5	1774.0	1792.7	1761.6	1767.8
12.5°	1861.2	1838.4	1838.4	1819.7	1825.9	1825.9	1796.9	1780.3	1796.9	1765.7	1769.9
15°	1877.8	1852.9	1852.9	1834.2	1838.4	1840.4	1805.2	1788.6	1803.1	1769.9	1774.0
17.5°	1877.8	1850.8	1850.8	1834.2	1836.3	1834.2	1801.0	1782.3	1792.7	1757.4	1759.5
20°	1848.7	1821.8	1825.9	1807.2	1809.3	1807.2	1772.0	1753.3	1763.7	1726.3	1730.5
22.5°	1801.0	1776.1	1780.3	1763.7	1763.7	1761.6	1728.4	1709.7	1720.1	1682.7	1684.8
25°	1740.8	1715.9	1720.1	1703.5	1705.6	1705.6	1672.4	1651.6	1662.0	1628.8	1628.8
27.5°	1662.0	1637.1	1643.3	1632.9	1626.7	1628.8	1599.7	1579.0	1589.4	1558.3	1558.3
30°	1560.3	1539.6	1545.8	1537.5	1531.3	1531.3	1506.4	1485.6	1496.0	1469.0	1467.0
32.5°	1440.0	1423.4	1429.6	1423.4	1417.2	1423.4	1396.4	1375.7	1386.0	1365.3	1367.4
35°	1309.3	1292.7	1296.8	1290.6	1286.4	1290.6	1263.6	1249.1	1259.5	1238.7	1247.0
37.5°	1164.0	1135.0	1147.4	1143.3	1139.1	1141.2	1116.3	1105.9	1118.4	1105.9	1112.1
40°	993.9	973.1	981.4	977.3	973.1	983.5	964.8	950.3	960.7	952.4	964.8
42.5°	809.2	792.6	803.0	800.9	794.7	807.1	792.6	782.2	798.8	794.7	805.1
45°	622.5	610.0	618.3	618.3	616.2	626.6	612.1	614.2	630.8	637.0	649.4
47.5°	450.3	431.6	442.0	448.2	448.2	458.6	450.3	458.6	477.2	489.7	500.1
50°	307.1	302.9	305.0	307.1	311.2	319.5	317.5	329.9	342.4	363.1	375.6
52.5°	203.3	199.2	203.3	205.4	209.6	217.9	217.9	232.4	246.9	265.6	280.1
55°	126.6	124.5	126.6	128.6	132.8	141.1	143.2	157.7	172.2	190.9	203.3
57.5°	72.6	74.7	74.7	78.8	80.9	87.1	93.4	101.7	118.3	136.9	149.4
60°	41.5	41.5	43.6	45.6	47.7	53.9	58.1	66.4	78.8	97.5	105.8
62.5°	27.0	27.0	29.0	29.0	31.1	35.3	39.4	47.7	58.1	72.6	80.9
65°	22.8	22.8	22.8	24.9	24.9	29.0	33.2	39.4	47.7	58.1	66.4
67.5°	18.7	18.7	18.7	20.7	20.7	22.8	27.0	31.1	37.3	45.6	51.9
70°	14.5	14.5	14.5	16.6	16.6	18.7	20.7	22.8	29.0	35.3	39.4
72.5°	10.4	10.4	12.4	12.4	12.4	14.5	16.6	18.7	22.8	27.0	29.0
75°	8.3	8.3	8.3	8.3	10.4	10.4	12.4	14.5	16.6	18.7	20.7
77.5°	4.1	4.1	6.2	6.2	6.2	8.3	8.3	10.4	12.4	14.5	14.5
80°	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	8.3	10.4	10.4
82.5°	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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: P212834

CATALOG NUMBER: LD6B40D010 EU6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3	1782.3
2.5°	1755.4	1761.6	1761.6	1755.4	1738.8	1753.3	1767.8	1753.3	1772.0	1738.8	1738.8
5°	1755.4	1759.5	1757.4	1749.1	1732.5	1745.0	1755.4	1740.8	1755.4	1724.2	1722.2
7.5°	1759.5	1755.4	1751.2	1740.8	1720.1	1728.4	1738.8	1722.2	1736.7	1703.5	1699.3
10°	1751.2	1745.0	1736.7	1722.2	1699.3	1705.6	1711.8	1697.3	1707.6	1674.4	1672.4
12.5°	1751.2	1740.8	1728.4	1711.8	1686.9	1691.0	1697.3	1678.6	1686.9	1655.8	1651.6
15°	1755.4	1736.7	1722.2	1703.5	1676.5	1678.6	1682.7	1662.0	1670.3	1637.1	1635.0
17.5°	1740.8	1720.1	1705.6	1682.7	1653.7	1655.8	1655.8	1635.0	1641.2	1608.0	1606.0
20°	1709.7	1684.8	1668.2	1647.5	1616.3	1616.3	1616.3	1595.6	1599.7	1570.7	1566.6
22.5°	1666.1	1639.2	1622.6	1601.8	1572.8	1570.7	1568.6	1552.0	1552.0	1525.1	1518.8
25°	1608.0	1583.2	1566.6	1547.9	1518.8	1514.7	1514.7	1500.2	1498.1	1473.2	1469.0
27.5°	1541.7	1512.6	1498.1	1481.5	1454.5	1450.4	1448.3	1440.0	1435.8	1408.9	1406.8
30°	1452.4	1427.5	1415.1	1400.6	1375.7	1371.5	1369.4	1361.1	1359.1	1332.1	1332.1
32.5°	1357.0	1325.9	1317.6	1303.0	1284.4	1282.3	1284.4	1274.0	1265.7	1247.0	1242.9
35°	1242.9	1211.7	1205.5	1199.3	1184.8	1180.6	1178.5	1176.5	1166.1	1153.6	1147.4
37.5°	1110.1	1083.1	1083.1	1081.0	1070.6	1070.6	1070.6	1066.5	1056.1	1052.0	1039.5
40°	966.9	946.2	948.2	950.3	946.2	948.2	950.3	946.2	937.9	933.7	923.3
42.5°	813.4	803.0	811.3	817.5	817.5	823.7	827.9	827.9	817.5	815.4	807.1
45°	659.8	657.7	674.3	686.8	690.9	701.3	707.5	703.4	703.4	703.4	695.1
47.5°	516.7	525.0	539.5	564.4	572.7	585.1	589.3	595.5	593.4	595.5	589.3
50°	392.2	410.8	429.5	454.4	466.9	481.4	487.6	495.9	495.9	498.0	493.8
52.5°	296.7	311.2	342.4	359.0	373.5	388.0	396.3	404.6	406.7	406.7	402.5
55°	219.9	240.7	261.4	284.3	296.7	311.2	317.5	325.8	325.8	329.9	325.8
57.5°	159.8	180.5	203.3	219.9	234.5	244.8	251.1	257.3	261.4	261.4	259.4
60°	118.3	134.9	153.5	170.1	182.6	193.0	197.1	203.3	205.4	205.4	201.3
62.5°	89.2	105.8	122.4	136.9	145.2	153.5	157.7	161.8	161.8	161.8	159.8
65°	72.6	85.1	97.5	110.0	118.3	124.5	126.6	130.7	128.6	130.7	128.6
67.5°	58.1	66.4	76.8	85.1	91.3	95.4	97.5	101.7	99.6	101.7	99.6
70°	43.6	51.9	58.1	64.3	68.5	72.6	74.7	76.8	74.7	76.8	74.7
72.5°	33.2	37.3	43.6	49.8	51.9	53.9	56.0	56.0	56.0	58.1	56.0
75°	22.8	27.0	31.1	33.2	37.3	39.4	39.4	41.5	41.5	41.5	41.5
77.5°	16.6	18.7	20.7	22.8	24.9	27.0	27.0	29.0	29.0	29.0	29.0
80°	10.4	12.4	12.4	14.5	16.6	16.6	18.7	18.7	18.7	18.7	18.7
82.5°	6.2	8.3	8.3	10.4	10.4	10.4	12.4	12.4	12.4	12.4	12.4
85°	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	2.1	2.1
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: P212834

CATALOG NUMBER: LD6B40D010 EU6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1782.3	1782.3	1782.3	1782.3
2.5°	1755.4	1745.0	1761.6	1736.7
5°	1736.7	1726.3	1747.1	1715.9
7.5°	1713.9	1703.5	1722.2	1691.0
10°	1684.8	1674.4	1691.0	1657.8
12.5°	1659.9	1649.5	1668.2	1637.1
15°	1641.2	1630.9	1647.5	1618.4
17.5°	1612.2	1599.7	1618.4	1587.3
20°	1570.7	1562.4	1576.9	1545.8
22.5°	1523.0	1514.7	1531.3	1500.2
25°	1473.2	1462.8	1479.4	1448.3
27.5°	1408.9	1400.6	1417.2	1386.0
30°	1332.1	1323.8	1340.4	1311.3
32.5°	1244.9	1236.6	1249.1	1224.2
35°	1145.3	1139.1	1151.6	1124.6
37.5°	1037.5	1031.2	1043.7	1016.7
40°	921.3	915.0	925.4	913.0
42.5°	807.1	800.9	811.3	800.9
45°	695.1	690.9	701.3	690.9
47.5°	591.3	587.2	597.6	587.2
50°	491.8	493.8	498.0	493.8
52.5°	402.5	402.5	408.8	402.5
55°	325.8	327.8	329.9	325.8
57.5°	259.4	259.4	261.4	259.4
60°	201.3	203.3	203.3	201.3
62.5°	159.8	159.8	159.8	159.8
65°	126.6	126.6	128.6	126.6
67.5°	99.6	97.5	99.6	97.5
70°	74.7	74.7	74.7	74.7
72.5°	58.1	58.1	56.0	56.0
75°	41.5	43.6	41.5	41.5
77.5°	29.0	29.0	29.0	29.0
80°	18.7	18.7	18.7	18.7
82.5°	12.4	12.4	12.4	12.4
85°	8.3	6.2	6.2	6.2
87.5°	4.1	2.1	2.1	2.1
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)