

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: P212827

Luminaire Tested: **LD6B40D010 EU6B30509024 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212827  
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 EU6B30509024 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2884.6 lumens  
Efficiency: N/A  
Efficacy: 67.1 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

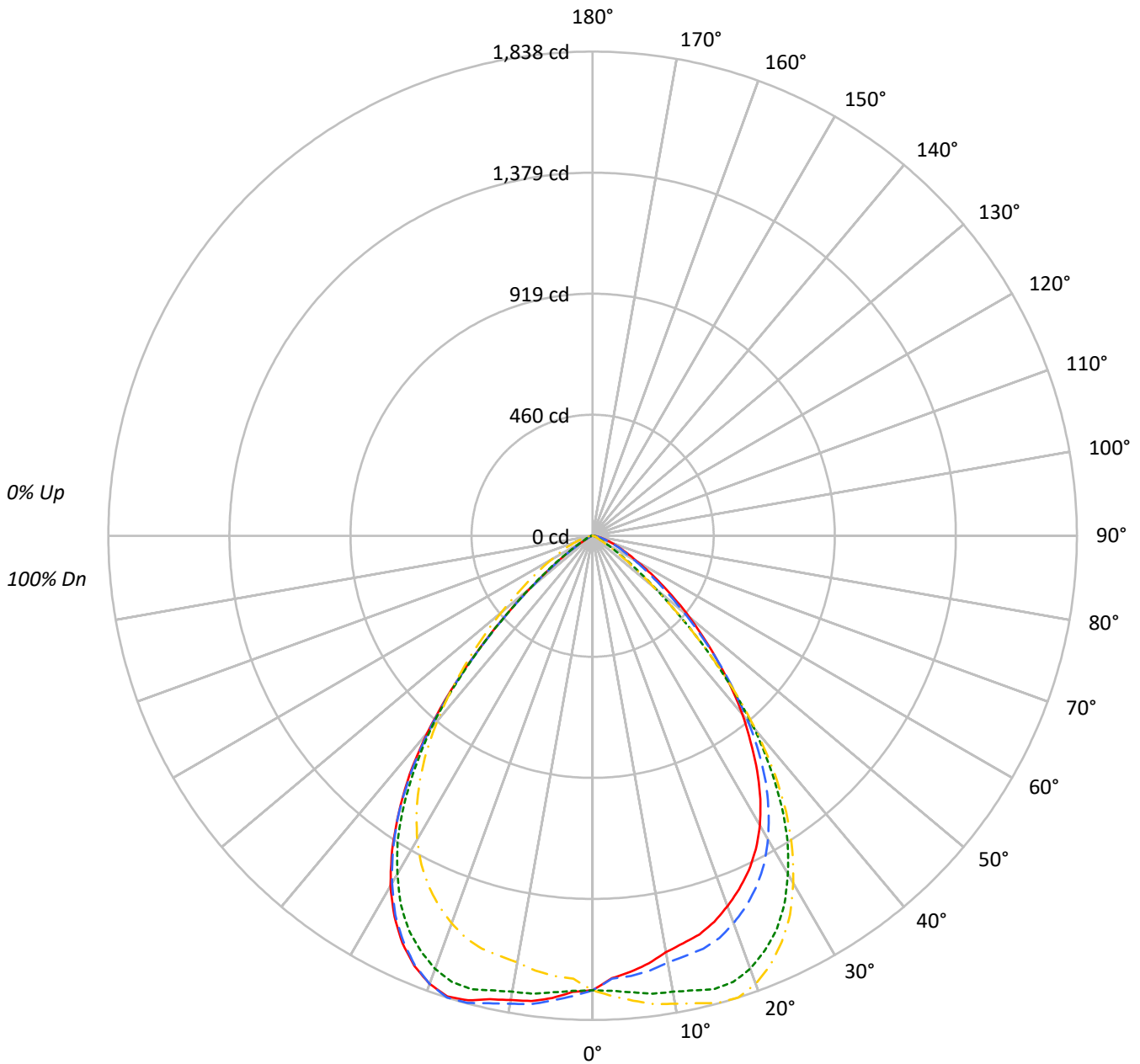
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWL11

### 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	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°	94581	94581	94581	94581
5°	91404	95718	96929	95718
10°	89333	97827	99620	97827
15°	88911	101107	103616	101107
20°	87292	102057	105575	102057
25°	84797	99865	103264	99865
30°	80354	93831	97135	93831
35°	72852	83607	85889	83607
40°	63240	68128	69852	68128
45°	51850	47028	47338	47028
50°	40766	26379	25867	26379
55°	30135	13056	11708	13056
60°	21358	5723	4188	5723
65°	15890	3645	2607	3645
70°	11588	2901	1939	2901
75°	8515	2118	1271	2118
80°	5714	1894	631	1894
85°	3774	1258	1258	1258



TEST NUMBER: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.2	5.7
10°-20°	489.2	17.0
20°-30°	730.0	25.3
30°-40°	750.0	26.0
40°-50°	485.7	16.8
50°-60°	180.6	6.3
60°-70°	59.3	2.1
70°-80°	20.9	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°	1384.3	48.0
0°-40°	2134.4	74.0
0°-60°	2800.7	97.1
0°-90°	2884.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1725	1725	1725	1725	1725	
5°	1661	1739	1761	1739	1661	157
15°	1567	1782	1826	1782	1567	441
25°	1402	1651	1707	1651	1402	642
35°	1089	1249	1283	1249	1089	676
45°	669	607	611	607	669	517
55°	315	137	122	137	315	287
65°	122	28	20	28	122	125
75°	40	10	6	10	40	44
85°	6	2	2	2	6	8
90°	0	0	0	0	0	



TEST NUMBER: P212827

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1681.1	1705.2	1689.1	1699.2	1683.1	1683.1	1715.3	1697.2	1711.2	1697.2	1683.1
5°	1661.0	1691.2	1671.1	1681.1	1667.0	1669.1	1699.2	1685.1	1699.2	1689.1	1677.1
7.5°	1636.9	1667.0	1649.0	1659.0	1645.0	1649.0	1681.1	1667.0	1683.1	1673.1	1665.0
10°	1604.8	1636.9	1620.9	1630.9	1618.8	1620.9	1653.0	1642.9	1657.0	1651.0	1645.0
12.5°	1584.7	1614.8	1596.8	1606.8	1598.8	1602.8	1632.9	1624.9	1642.9	1636.9	1632.9
15°	1566.6	1594.7	1578.7	1588.7	1582.7	1584.7	1616.8	1608.8	1628.9	1624.9	1622.9
17.5°	1536.5	1566.6	1548.5	1560.6	1554.6	1556.6	1588.7	1582.7	1602.8	1602.8	1600.8
20°	1496.3	1526.5	1512.4	1520.4	1516.4	1520.4	1548.5	1544.5	1564.6	1564.6	1564.6
22.5°	1452.1	1482.3	1466.2	1474.2	1470.2	1476.2	1502.4	1502.4	1518.4	1520.4	1522.4
25°	1401.9	1432.1	1416.0	1426.0	1422.0	1426.0	1450.1	1452.1	1466.2	1466.2	1470.2
27.5°	1341.7	1371.8	1355.7	1363.8	1361.8	1363.8	1389.9	1393.9	1401.9	1403.9	1408.0
30°	1269.4	1297.5	1281.4	1289.5	1289.5	1289.5	1315.6	1317.6	1325.6	1327.6	1331.6
32.5°	1185.0	1209.1	1197.1	1205.1	1203.1	1207.1	1225.2	1233.2	1243.3	1241.2	1243.3
35°	1088.6	1114.7	1102.7	1108.7	1110.7	1116.7	1128.8	1138.8	1140.8	1142.8	1146.8
37.5°	984.2	1010.3	998.2	1004.2	1006.3	1018.3	1022.3	1032.4	1036.4	1036.4	1036.4
40°	883.7	895.8	885.7	891.8	893.8	903.8	907.8	915.9	919.9	917.9	915.9
42.5°	775.3	785.3	775.3	781.3	781.3	789.3	791.3	801.4	801.4	797.4	791.3
45°	668.8	678.9	668.8	672.8	672.8	680.9	680.9	680.9	684.9	678.9	668.8
47.5°	568.4	578.4	568.4	572.4	570.4	576.4	574.4	576.4	570.4	566.4	554.3
50°	478.0	482.0	478.0	476.0	478.0	482.0	480.0	480.0	472.0	466.0	451.9
52.5°	389.6	395.7	389.6	389.6	389.6	393.7	393.7	391.7	383.6	375.6	361.5
55°	315.3	319.4	317.3	315.3	315.3	319.4	315.3	315.3	307.3	301.3	287.2
57.5°	251.1	253.1	251.1	251.1	251.1	253.1	253.1	249.1	243.0	237.0	227.0
60°	194.8	196.8	196.8	194.8	194.8	198.8	198.8	196.8	190.8	186.8	176.7
62.5°	154.7	154.7	154.7	154.7	154.7	156.7	156.7	156.7	152.6	148.6	140.6
65°	122.5	124.5	122.5	122.5	124.5	126.5	124.5	126.5	122.5	120.5	114.5
67.5°	94.4	96.4	94.4	96.4	96.4	98.4	96.4	98.4	94.4	92.4	88.4
70°	72.3	72.3	72.3	72.3	72.3	74.3	72.3	74.3	72.3	70.3	66.3
72.5°	54.2	54.2	56.2	56.2	54.2	56.2	54.2	54.2	54.2	52.2	50.2
75°	40.2	40.2	42.2	40.2	40.2	40.2	40.2	40.2	38.2	38.2	36.2
77.5°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	26.1	26.1	24.1
80°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	16.1	16.1
82.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	10.0	10.0
85°	6.0	6.0	6.0	8.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	4.0	2.0	2.0	4.0	4.0	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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1699.2	1705.2	1705.2	1699.2	1713.2	1701.2	1725.3	1703.2	1709.2	1729.3	1727.3
5°	1693.2	1701.2	1703.2	1699.2	1717.3	1707.2	1731.3	1709.2	1719.3	1739.4	1739.4
7.5°	1685.1	1695.2	1699.2	1703.2	1719.3	1709.2	1737.3	1715.3	1729.3	1753.4	1751.4
10°	1667.0	1681.1	1689.1	1695.2	1711.2	1705.2	1735.3	1717.3	1729.3	1757.4	1755.4
12.5°	1657.0	1673.1	1685.1	1695.2	1713.2	1709.2	1739.4	1723.3	1739.4	1767.5	1767.5
15°	1649.0	1667.0	1681.1	1699.2	1717.3	1713.2	1745.4	1731.3	1747.4	1781.5	1779.5
17.5°	1628.9	1651.0	1665.0	1685.1	1703.2	1701.2	1735.3	1725.3	1743.4	1775.5	1777.5
20°	1594.7	1614.8	1630.9	1655.0	1675.1	1671.1	1707.2	1697.2	1715.3	1749.4	1751.4
22.5°	1550.6	1570.6	1586.7	1612.8	1630.9	1628.9	1665.0	1655.0	1673.1	1705.2	1707.2
25°	1498.3	1516.4	1532.5	1556.6	1576.7	1576.7	1608.8	1598.8	1618.8	1651.0	1651.0
27.5°	1434.1	1450.1	1464.2	1492.3	1508.4	1508.4	1538.5	1528.5	1548.5	1576.7	1574.7
30°	1355.7	1369.8	1381.8	1405.9	1420.0	1422.0	1448.1	1438.1	1458.2	1482.3	1482.3
32.5°	1261.3	1275.4	1283.4	1313.6	1323.6	1321.6	1341.7	1331.6	1351.7	1377.8	1371.8
35°	1160.9	1166.9	1173.0	1203.1	1207.1	1199.1	1219.2	1209.1	1223.2	1249.3	1245.3
37.5°	1046.4	1048.4	1048.4	1074.5	1076.6	1070.5	1082.6	1070.5	1080.6	1104.7	1102.7
40°	919.9	917.9	915.9	936.0	933.9	921.9	929.9	919.9	933.9	952.0	942.0
42.5°	791.3	785.3	777.3	787.3	779.3	769.3	773.3	757.2	767.2	781.3	769.3
45°	664.8	652.8	636.7	638.7	628.7	616.6	610.6	594.5	592.5	606.6	596.5
47.5°	546.3	522.2	508.1	500.1	484.0	474.0	462.0	443.9	435.8	443.9	433.8
50°	439.9	415.8	397.7	379.6	363.5	351.5	331.4	319.4	307.3	309.3	301.3
52.5°	347.5	331.4	301.3	287.2	271.1	257.1	239.0	225.0	210.9	210.9	202.9
55°	275.2	253.1	233.0	212.9	196.8	184.8	166.7	152.6	138.6	136.6	128.5
57.5°	212.9	196.8	174.7	154.7	144.6	132.6	114.5	98.4	90.4	84.4	78.3
60°	164.7	148.6	130.6	114.5	102.4	94.4	76.3	64.3	56.2	52.2	46.2
62.5°	132.6	118.5	102.4	86.4	78.3	70.3	56.2	46.2	38.2	34.1	30.1
65°	106.5	94.4	82.3	70.3	64.3	56.2	46.2	38.2	32.1	28.1	24.1
67.5°	82.3	74.3	64.3	56.2	50.2	44.2	36.2	30.1	26.1	22.1	20.1
70°	62.3	56.2	50.2	42.2	38.2	34.1	28.1	22.1	20.1	18.1	16.1
72.5°	48.2	42.2	36.2	32.1	28.1	26.1	22.1	18.1	16.1	14.1	12.1
75°	32.1	30.1	26.1	22.1	20.1	18.1	16.1	14.1	12.1	10.0	10.0
77.5°	22.1	20.1	18.1	16.1	14.1	14.1	12.1	10.0	8.0	8.0	6.0
80°	14.1	12.1	12.1	10.0	10.0	10.0	8.0	6.0	6.0	6.0	4.0
82.5°	10.0	8.0	8.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	2.0
85°	6.0	4.0	4.0	4.0	4.0	4.0	4.0	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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1711.2	1729.3	1729.3	1745.4	1747.4	1743.4	1725.3	1725.3	1749.4	1763.5	1739.4
5°	1727.3	1745.4	1745.4	1761.4	1769.5	1763.5	1745.4	1747.4	1771.5	1787.6	1763.5
7.5°	1741.4	1759.4	1763.5	1781.5	1787.6	1781.5	1763.5	1767.5	1793.6	1807.6	1783.5
10°	1747.4	1765.5	1767.5	1787.6	1795.6	1787.6	1773.5	1775.5	1803.6	1813.7	1791.6
12.5°	1761.4	1779.5	1779.5	1801.6	1809.7	1803.6	1785.6	1789.6	1817.7	1827.7	1805.6
15°	1775.5	1793.6	1793.6	1817.7	1827.7	1819.7	1805.6	1807.6	1835.8	1845.8	1827.7
17.5°	1775.5	1791.6	1791.6	1817.7	1827.7	1821.7	1805.6	1807.6	1837.8	1845.8	1827.7
20°	1749.4	1767.5	1763.5	1789.6	1799.6	1793.6	1779.5	1779.5	1809.7	1817.7	1799.6
22.5°	1707.2	1723.3	1719.3	1743.4	1755.4	1747.4	1735.3	1733.3	1763.5	1771.5	1753.4
25°	1649.0	1665.0	1661.0	1685.1	1697.2	1687.1	1673.1	1675.1	1699.2	1711.2	1695.2
27.5°	1580.7	1590.7	1584.7	1608.8	1620.9	1610.8	1596.8	1598.8	1622.9	1630.9	1618.8
30°	1488.3	1496.3	1490.3	1510.4	1518.4	1512.4	1500.3	1500.3	1522.4	1532.5	1520.4
32.5°	1377.8	1383.9	1377.8	1393.9	1410.0	1397.9	1385.9	1385.9	1410.0	1418.0	1403.9
35°	1249.3	1255.3	1251.3	1267.4	1279.4	1263.3	1253.3	1249.3	1281.4	1277.4	1269.4
37.5°	1106.7	1110.7	1098.6	1126.8	1132.8	1114.7	1106.7	1102.7	1130.8	1128.8	1120.7
40°	946.0	950.0	942.0	962.1	964.1	950.0	944.0	938.0	966.1	964.1	958.1
42.5°	775.3	777.3	767.2	783.3	787.3	773.3	771.3	763.2	789.3	785.3	783.3
45°	598.5	598.5	590.5	602.5	606.6	594.5	590.5	588.5	606.6	606.6	602.5
47.5°	433.8	427.8	417.8	435.8	437.9	429.8	427.8	421.8	439.9	439.9	435.8
50°	297.3	295.2	293.2	297.3	299.3	289.2	295.2	289.2	299.3	299.3	299.3
52.5°	198.8	196.8	192.8	196.8	196.8	190.8	190.8	188.8	196.8	196.8	192.8
55°	124.5	122.5	120.5	122.5	122.5	116.5	120.5	116.5	120.5	120.5	118.5
57.5°	76.3	72.3	72.3	70.3	70.3	66.3	68.3	68.3	68.3	68.3	68.3
60°	44.2	42.2	40.2	40.2	40.2	38.2	38.2	38.2	38.2	38.2	38.2
62.5°	28.1	28.1	26.1	26.1	26.1	26.1	26.1	24.1	26.1	26.1	26.1
65°	24.1	22.1	22.1	22.1	22.1	20.1	20.1	20.1	20.1	20.1	20.1
67.5°	20.1	18.1	18.1	18.1	18.1	16.1	16.1	16.1	16.1	16.1	16.1
70°	16.1	14.1	14.1	14.1	14.1	14.1	12.1	14.1	14.1	12.1	12.1
72.5°	12.1	12.1	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
75°	8.0	8.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	4.0	4.0	4.0	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°	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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1767.5	1747.4	1737.3	1757.4	1765.5	1755.4	1747.4	1733.3	1747.4	1755.4	1765.5
5°	1791.6	1773.5	1765.5	1779.5	1791.6	1781.5	1775.5	1761.4	1775.5	1781.5	1791.6
7.5°	1813.7	1795.6	1785.6	1799.6	1813.7	1799.6	1793.6	1781.5	1793.6	1799.6	1813.7
10°	1821.7	1801.6	1793.6	1805.6	1819.7	1805.6	1797.6	1789.6	1797.6	1805.6	1819.7
12.5°	1835.8	1815.7	1805.6	1815.7	1829.7	1815.7	1807.6	1801.6	1807.6	1815.7	1829.7
15°	1855.8	1837.8	1825.7	1835.8	1853.8	1837.8	1827.7	1825.7	1827.7	1837.8	1853.8
17.5°	1855.8	1841.8	1829.7	1837.8	1855.8	1843.8	1829.7	1833.8	1829.7	1843.8	1855.8
20°	1829.7	1815.7	1805.6	1805.6	1831.7	1815.7	1803.6	1809.7	1803.6	1815.7	1831.7
22.5°	1783.5	1771.5	1761.4	1759.4	1785.6	1771.5	1755.4	1767.5	1755.4	1771.5	1785.6
25°	1723.3	1711.2	1703.2	1699.2	1725.3	1709.2	1695.2	1707.2	1695.2	1709.2	1725.3
27.5°	1645.0	1634.9	1626.9	1620.9	1645.0	1630.9	1616.8	1628.9	1616.8	1630.9	1645.0
30°	1544.5	1538.5	1530.5	1522.4	1546.5	1532.5	1518.4	1534.5	1518.4	1532.5	1546.5
32.5°	1428.0	1424.0	1414.0	1405.9	1430.0	1414.0	1403.9	1416.0	1403.9	1414.0	1430.0
35°	1293.5	1287.4	1281.4	1267.4	1293.5	1279.4	1279.4	1283.4	1279.4	1279.4	1293.5
37.5°	1142.8	1138.8	1130.8	1118.7	1140.8	1130.8	1126.8	1138.8	1126.8	1130.8	1140.8
40°	974.1	972.1	966.1	952.0	976.1	966.1	960.1	976.1	960.1	966.1	976.1
42.5°	797.4	793.4	787.3	785.3	797.4	789.3	795.4	795.4	795.4	789.3	797.4
45°	614.6	610.6	606.6	598.5	612.6	608.6	606.6	610.6	606.6	608.6	612.6
47.5°	445.9	441.9	437.9	431.8	445.9	439.9	439.9	443.9	439.9	439.9	445.9
50°	299.3	301.3	299.3	295.2	299.3	297.3	299.3	303.3	299.3	297.3	299.3
52.5°	198.8	198.8	194.8	192.8	196.8	194.8	200.8	196.8	200.8	194.8	196.8
55°	120.5	122.5	120.5	118.5	120.5	118.5	124.5	122.5	124.5	118.5	120.5
57.5°	68.3	68.3	70.3	68.3	72.3	70.3	70.3	70.3	70.3	70.3	72.3
60°	38.2	38.2	38.2	38.2	38.2	38.2	40.2	38.2	40.2	38.2	38.2
62.5°	26.1	26.1	26.1	24.1	26.1	24.1	26.1	26.1	26.1	24.1	26.1
65°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
67.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
70°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
72.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1757.4	1737.3	1747.4	1767.5	1739.4	1763.5	1749.4	1725.3	1725.3	1743.4	1747.4
5°	1779.5	1765.5	1773.5	1791.6	1763.5	1787.6	1771.5	1747.4	1745.4	1763.5	1769.5
7.5°	1799.6	1785.6	1795.6	1813.7	1783.5	1807.6	1793.6	1767.5	1763.5	1781.5	1787.6
10°	1805.6	1793.6	1801.6	1821.7	1791.6	1813.7	1803.6	1775.5	1773.5	1787.6	1795.6
12.5°	1815.7	1805.6	1815.7	1835.8	1805.6	1827.7	1817.7	1789.6	1785.6	1803.6	1809.7
15°	1835.8	1825.7	1837.8	1855.8	1827.7	1845.8	1835.8	1807.6	1805.6	1819.7	1827.7
17.5°	1837.8	1829.7	1841.8	1855.8	1827.7	1845.8	1837.8	1807.6	1805.6	1821.7	1827.7
20°	1805.6	1805.6	1815.7	1829.7	1799.6	1817.7	1809.7	1779.5	1779.5	1793.6	1799.6
22.5°	1759.4	1761.4	1771.5	1783.5	1753.4	1771.5	1763.5	1733.3	1735.3	1747.4	1755.4
25°	1699.2	1703.2	1711.2	1723.3	1695.2	1711.2	1699.2	1675.1	1673.1	1687.1	1697.2
27.5°	1620.9	1626.9	1634.9	1645.0	1618.8	1630.9	1622.9	1598.8	1596.8	1610.8	1620.9
30°	1522.4	1530.5	1538.5	1544.5	1520.4	1532.5	1522.4	1500.3	1500.3	1512.4	1518.4
32.5°	1405.9	1414.0	1424.0	1428.0	1403.9	1418.0	1410.0	1385.9	1385.9	1397.9	1410.0
35°	1267.4	1281.4	1287.4	1293.5	1269.4	1277.4	1281.4	1249.3	1253.3	1263.3	1279.4
37.5°	1118.7	1130.8	1138.8	1142.8	1120.7	1128.8	1130.8	1102.7	1106.7	1114.7	1132.8
40°	952.0	966.1	972.1	974.1	958.1	964.1	966.1	938.0	944.0	950.0	964.1
42.5°	785.3	787.3	793.4	797.4	783.3	785.3	789.3	763.2	771.3	773.3	787.3
45°	598.5	606.6	610.6	614.6	602.5	606.6	606.6	588.5	590.5	594.5	606.6
47.5°	431.8	437.9	441.9	445.9	435.8	439.9	439.9	421.8	427.8	429.8	437.9
50°	295.2	299.3	301.3	299.3	299.3	299.3	299.3	289.2	295.2	289.2	299.3
52.5°	192.8	194.8	198.8	198.8	192.8	196.8	196.8	188.8	190.8	190.8	196.8
55°	118.5	120.5	122.5	120.5	118.5	120.5	120.5	116.5	120.5	116.5	122.5
57.5°	68.3	70.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	66.3	70.3
60°	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	40.2
62.5°	24.1	26.1	26.1	26.1	26.1	26.1	26.1	24.1	26.1	26.1	26.1
65°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	22.1
67.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	18.1
70°	12.1	12.1	12.1	12.1	12.1	12.1	14.1	14.1	12.1	14.1	14.1
72.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
75°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
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	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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1745.4	1729.3	1729.3	1711.2	1727.3	1729.3	1709.2	1703.2	1725.3	1701.2	1713.2
5°	1761.4	1745.4	1745.4	1727.3	1739.4	1739.4	1719.3	1709.2	1731.3	1707.2	1717.3
7.5°	1781.5	1763.5	1759.4	1741.4	1751.4	1753.4	1729.3	1715.3	1737.3	1709.2	1719.3
10°	1787.6	1767.5	1765.5	1747.4	1755.4	1757.4	1729.3	1717.3	1735.3	1705.2	1711.2
12.5°	1801.6	1779.5	1779.5	1761.4	1767.5	1767.5	1739.4	1723.3	1739.4	1709.2	1713.2
15°	1817.7	1793.6	1793.6	1775.5	1779.5	1781.5	1747.4	1731.3	1745.4	1713.2	1717.3
17.5°	1817.7	1791.6	1791.6	1775.5	1777.5	1775.5	1743.4	1725.3	1735.3	1701.2	1703.2
20°	1789.6	1763.5	1767.5	1749.4	1751.4	1749.4	1715.3	1697.2	1707.2	1671.1	1675.1
22.5°	1743.4	1719.3	1723.3	1707.2	1707.2	1705.2	1673.1	1655.0	1665.0	1628.9	1630.9
25°	1685.1	1661.0	1665.0	1649.0	1651.0	1651.0	1618.8	1598.8	1608.8	1576.7	1576.7
27.5°	1608.8	1584.7	1590.7	1580.7	1574.7	1576.7	1548.5	1528.5	1538.5	1508.4	1508.4
30°	1510.4	1490.3	1496.3	1488.3	1482.3	1482.3	1458.2	1438.1	1448.1	1422.0	1420.0
32.5°	1393.9	1377.8	1383.9	1377.8	1371.8	1377.8	1351.7	1331.6	1341.7	1321.6	1323.6
35°	1267.4	1251.3	1255.3	1249.3	1245.3	1249.3	1223.2	1209.1	1219.2	1199.1	1207.1
37.5°	1126.8	1098.6	1110.7	1106.7	1102.7	1104.7	1080.6	1070.5	1082.6	1070.5	1076.6
40°	962.1	942.0	950.0	946.0	942.0	952.0	933.9	919.9	929.9	921.9	933.9
42.5°	783.3	767.2	777.3	775.3	769.3	781.3	767.2	757.2	773.3	769.3	779.3
45°	602.5	590.5	598.5	598.5	596.5	606.6	592.5	594.5	610.6	616.6	628.7
47.5°	435.8	417.8	427.8	433.8	433.8	443.9	435.8	443.9	462.0	474.0	484.0
50°	297.3	293.2	295.2	297.3	301.3	309.3	307.3	319.4	331.4	351.5	363.5
52.5°	196.8	192.8	196.8	198.8	202.9	210.9	210.9	225.0	239.0	257.1	271.1
55°	122.5	120.5	122.5	124.5	128.5	136.6	138.6	152.6	166.7	184.8	196.8
57.5°	70.3	72.3	72.3	76.3	78.3	84.4	90.4	98.4	114.5	132.6	144.6
60°	40.2	40.2	42.2	44.2	46.2	52.2	56.2	64.3	76.3	94.4	102.4
62.5°	26.1	26.1	28.1	28.1	30.1	34.1	38.2	46.2	56.2	70.3	78.3
65°	22.1	22.1	22.1	24.1	24.1	28.1	32.1	38.2	46.2	56.2	64.3
67.5°	18.1	18.1	18.1	20.1	20.1	22.1	26.1	30.1	36.2	44.2	50.2
70°	14.1	14.1	14.1	16.1	16.1	18.1	20.1	22.1	28.1	34.1	38.2
72.5°	10.0	10.0	12.1	12.1	12.1	14.1	16.1	18.1	22.1	26.1	28.1
75°	8.0	8.0	8.0	8.0	10.0	10.0	12.1	14.1	16.1	18.1	20.1
77.5°	4.0	4.0	6.0	6.0	6.0	8.0	8.0	10.0	12.1	14.1	14.1
80°	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0	8.0	10.0	10.0
82.5°	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	6.0	6.0	6.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1699.2	1705.2	1705.2	1699.2	1683.1	1697.2	1711.2	1697.2	1715.3	1683.1	1683.1
5°	1699.2	1703.2	1701.2	1693.2	1677.1	1689.1	1699.2	1685.1	1699.2	1669.1	1667.0
7.5°	1703.2	1699.2	1695.2	1685.1	1665.0	1673.1	1683.1	1667.0	1681.1	1649.0	1645.0
10°	1695.2	1689.1	1681.1	1667.0	1645.0	1651.0	1657.0	1642.9	1653.0	1620.9	1618.8
12.5°	1695.2	1685.1	1673.1	1657.0	1632.9	1636.9	1642.9	1624.9	1632.9	1602.8	1598.8
15°	1699.2	1681.1	1667.0	1649.0	1622.9	1624.9	1628.9	1608.8	1616.8	1584.7	1582.7
17.5°	1685.1	1665.0	1651.0	1628.9	1600.8	1602.8	1602.8	1582.7	1588.7	1556.6	1554.6
20°	1655.0	1630.9	1614.8	1594.7	1564.6	1564.6	1564.6	1544.5	1548.5	1520.4	1516.4
22.5°	1612.8	1586.7	1570.6	1550.6	1522.4	1520.4	1518.4	1502.4	1502.4	1476.2	1470.2
25°	1556.6	1532.5	1516.4	1498.3	1470.2	1466.2	1466.2	1452.1	1450.1	1426.0	1422.0
27.5°	1492.3	1464.2	1450.1	1434.1	1408.0	1403.9	1401.9	1393.9	1389.9	1363.8	1361.8
30°	1405.9	1381.8	1369.8	1355.7	1331.6	1327.6	1325.6	1317.6	1315.6	1289.5	1289.5
32.5°	1313.6	1283.4	1275.4	1261.3	1243.3	1241.2	1243.3	1233.2	1225.2	1207.1	1203.1
35°	1203.1	1173.0	1166.9	1160.9	1146.8	1142.8	1140.8	1138.8	1128.8	1116.7	1110.7
37.5°	1074.5	1048.4	1048.4	1046.4	1036.4	1036.4	1036.4	1032.4	1022.3	1018.3	1006.3
40°	936.0	915.9	917.9	919.9	915.9	917.9	919.9	915.9	907.8	903.8	893.8
42.5°	787.3	777.3	785.3	791.3	791.3	797.4	801.4	801.4	791.3	789.3	781.3
45°	638.7	636.7	652.8	664.8	668.8	678.9	684.9	680.9	680.9	680.9	672.8
47.5°	500.1	508.1	522.2	546.3	554.3	566.4	570.4	576.4	574.4	576.4	570.4
50°	379.6	397.7	415.8	439.9	451.9	466.0	472.0	480.0	480.0	482.0	478.0
52.5°	287.2	301.3	331.4	347.5	361.5	375.6	383.6	391.7	393.7	393.7	389.6
55°	212.9	233.0	253.1	275.2	287.2	301.3	307.3	315.3	315.3	319.4	315.3
57.5°	154.7	174.7	196.8	212.9	227.0	237.0	243.0	249.1	253.1	253.1	251.1
60°	114.5	130.6	148.6	164.7	176.7	186.8	190.8	196.8	198.8	198.8	194.8
62.5°	86.4	102.4	118.5	132.6	140.6	148.6	152.6	156.7	156.7	156.7	154.7
65°	70.3	82.3	94.4	106.5	114.5	120.5	122.5	126.5	124.5	126.5	124.5
67.5°	56.2	64.3	74.3	82.3	88.4	92.4	94.4	98.4	96.4	98.4	96.4
70°	42.2	50.2	56.2	62.3	66.3	70.3	72.3	74.3	72.3	74.3	72.3
72.5°	32.1	36.2	42.2	48.2	50.2	52.2	54.2	54.2	54.2	56.2	54.2
75°	22.1	26.1	30.1	32.1	36.2	38.2	38.2	40.2	40.2	40.2	40.2
77.5°	16.1	18.1	20.1	22.1	24.1	26.1	26.1	28.1	28.1	28.1	28.1
80°	10.0	12.1	12.1	14.1	16.1	16.1	18.1	18.1	18.1	18.1	18.1
82.5°	6.0	8.0	8.0	10.0	10.0	10.0	12.1	12.1	12.1	12.1	12.1
85°	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	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: P212827

CATALOG NUMBER: LD6B40D010 EU6B30509024 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1725.3	1725.3	1725.3	1725.3
2.5°	1699.2	1689.1	1705.2	1681.1
5°	1681.1	1671.1	1691.2	1661.0
7.5°	1659.0	1649.0	1667.0	1636.9
10°	1630.9	1620.9	1636.9	1604.8
12.5°	1606.8	1596.8	1614.8	1584.7
15°	1588.7	1578.7	1594.7	1566.6
17.5°	1560.6	1548.5	1566.6	1536.5
20°	1520.4	1512.4	1526.5	1496.3
22.5°	1474.2	1466.2	1482.3	1452.1
25°	1426.0	1416.0	1432.1	1401.9
27.5°	1363.8	1355.7	1371.8	1341.7
30°	1289.5	1281.4	1297.5	1269.4
32.5°	1205.1	1197.1	1209.1	1185.0
35°	1108.7	1102.7	1114.7	1088.6
37.5°	1004.2	998.2	1010.3	984.2
40°	891.8	885.7	895.8	883.7
42.5°	781.3	775.3	785.3	775.3
45°	672.8	668.8	678.9	668.8
47.5°	572.4	568.4	578.4	568.4
50°	476.0	478.0	482.0	478.0
52.5°	389.6	389.6	395.7	389.6
55°	315.3	317.3	319.4	315.3
57.5°	251.1	251.1	253.1	251.1
60°	194.8	196.8	196.8	194.8
62.5°	154.7	154.7	154.7	154.7
65°	122.5	122.5	124.5	122.5
67.5°	96.4	94.4	96.4	94.4
70°	72.3	72.3	72.3	72.3
72.5°	56.2	56.2	54.2	54.2
75°	40.2	42.2	40.2	40.2
77.5°	28.1	28.1	28.1	28.1
80°	18.1	18.1	18.1	18.1
82.5°	12.1	12.1	12.1	12.1
85°	8.0	6.0	6.0	6.0
87.5°	4.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)