

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844476

Luminaire Tested: **LD6C40DE010B2750 EU6C40B35 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B2750 EU6C40B35 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

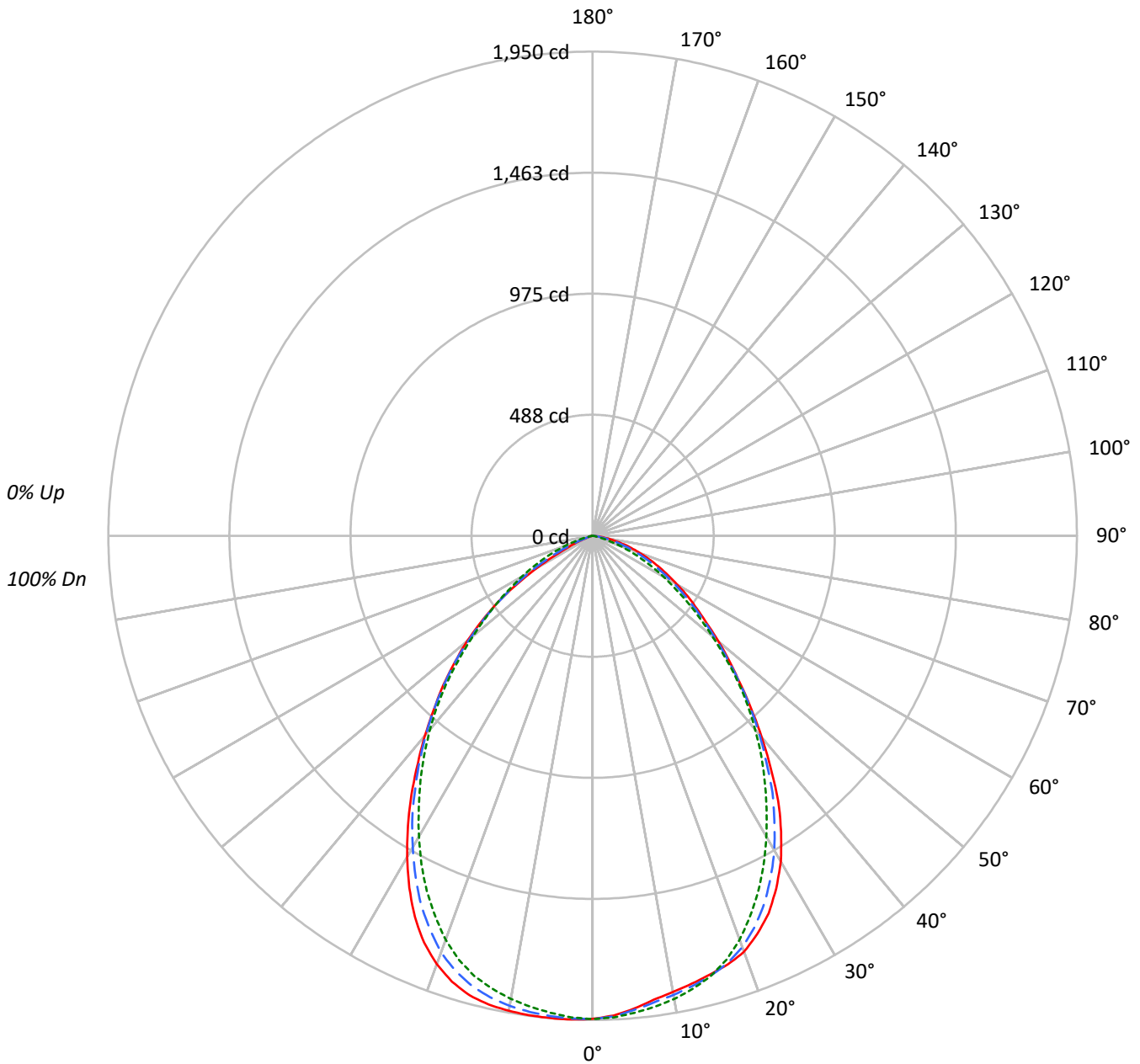
Lumens per Lamp: N/A  
Luminaire Lumens: 3579.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
Input Voltage (V):  
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	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54								
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49								
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44								
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40								
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36								
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	106680	106680	106680
5°	105217	106136	107308
10°	103817	105431	108153
15°	103769	104212	108729
20°	104000	101001	107080
25°	101455	95503	102466
30°	95920	88552	94496
35°	87207	80890	85106
40°	75821	72836	75126
45°	64999	63852	65891
50°	56365	53516	56203
55°	48916	44491	44242
60°	43067	36017	27980
65°	37786	27357	13426
70°	32457	18144	4953
75°	26413	7625	1377
80°	17868	1831	600
85°	7233	377	377



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	5.1
10°-20°	522.1	14.6
20°-30°	748.2	20.9
30°-40°	779.7	21.8
40°-50°	645.9	18.0
50°-60°	428.2	12.0
60°-70°	207.3	5.8
70°-80°	58.7	1.6
80°-90°	5.7	0.2
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°	1453.5	40.6
0°-40°	2233.2	62.4
0°-60°	3307.3	92.4
0°-90°	3579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3579.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1946	1946	1946	1946	1946	
5°	1912	1917	1929	1942	1950	181
15°	1828	1835	1836	1877	1916	517
25°	1677	1635	1579	1637	1694	767
35°	1303	1262	1209	1246	1272	808
45°	838	836	824	844	850	652
55°	512	495	466	457	463	462
65°	291	263	211	145	104	290
75°	125	95	36	7	6	134
85°	12	5	1	1	1	19
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°	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0
2.5°	1933.9	1934.5	1935.8	1934.5	1935.2	1935.8	1935.8	1936.4	1936.4	1937.1	1937.7
5°	1912.0	1913.9	1913.9	1913.9	1913.9	1914.5	1915.2	1915.2	1914.5	1914.5	1917.2
7.5°	1884.4	1886.3	1885.7	1886.3	1886.9	1888.8	1888.2	1889.5	1890.7	1892.7	1895.3
10°	1865.0	1865.7	1865.0	1866.9	1868.3	1869.6	1869.6	1870.8	1872.1	1874.0	1877.3
12.5°	1847.7	1848.3	1849.0	1850.2	1851.6	1851.0	1852.2	1853.5	1854.1	1855.4	1857.3
15°	1828.4	1831.6	1831.0	1831.6	1832.2	1832.9	1833.5	1834.1	1833.5	1833.5	1834.9
17.5°	1810.5	1811.1	1811.7	1811.7	1811.7	1811.7	1810.5	1810.5	1808.4	1806.5	1805.3
20°	1782.7	1782.1	1780.8	1780.8	1778.3	1778.9	1776.3	1775.0	1771.9	1767.3	1762.9
22.5°	1734.5	1737.8	1736.4	1732.0	1729.4	1729.4	1726.8	1721.1	1715.9	1710.7	1705.0
25°	1677.3	1676.0	1674.1	1671.6	1667.7	1665.1	1661.2	1657.4	1649.1	1640.1	1634.9
27.5°	1600.8	1602.7	1598.3	1594.4	1592.5	1588.6	1584.8	1579.6	1569.3	1561.6	1552.6
30°	1515.3	1514.0	1513.4	1508.3	1503.1	1504.4	1496.7	1490.8	1483.1	1470.3	1463.2
32.5°	1412.5	1414.4	1410.6	1409.9	1400.2	1398.9	1398.9	1389.9	1383.5	1371.3	1361.7
35°	1303.1	1301.8	1300.6	1296.1	1295.5	1291.6	1288.4	1282.0	1273.6	1269.7	1262.0
37.5°	1177.1	1177.8	1178.4	1178.4	1175.9	1173.3	1170.7	1170.7	1159.2	1157.3	1148.3
40°	1059.5	1061.4	1060.8	1056.3	1056.9	1057.5	1056.9	1056.3	1049.2	1046.6	1045.4
42.5°	945.1	948.3	945.1	944.5	945.1	945.1	943.7	945.7	942.5	945.1	939.3
45°	838.4	840.9	839.0	838.4	837.0	840.3	836.4	839.7	837.8	834.5	835.7
47.5°	746.4	743.8	746.4	745.1	743.2	740.7	744.5	742.6	738.0	737.4	738.7
50°	660.9	659.6	660.9	660.3	657.0	657.0	656.4	655.1	653.8	650.0	647.4
52.5°	579.3	583.7	580.5	583.7	579.3	577.4	578.0	576.0	573.4	572.2	567.0
55°	511.8	512.4	512.4	512.4	509.8	508.5	507.2	506.0	506.0	500.2	495.1
57.5°	453.2	451.9	451.3	449.4	448.1	446.9	445.6	441.7	437.9	432.7	428.8
60°	392.8	394.1	394.1	391.5	389.6	387.6	387.0	384.4	379.9	374.8	369.0
62.5°	340.8	342.0	338.8	338.8	335.0	334.3	334.3	330.4	325.3	319.5	313.1
65°	291.3	290.6	291.9	287.4	288.0	284.2	282.9	280.9	275.8	268.7	262.9
67.5°	244.3	245.6	243.7	242.4	239.8	238.5	237.2	231.4	228.9	222.4	216.0
70°	202.5	201.3	199.9	199.9	197.4	195.5	194.8	188.4	185.2	180.0	172.9
72.5°	163.3	162.0	160.8	158.8	156.8	156.2	152.4	148.5	144.7	138.2	133.1
75°	124.7	124.1	122.8	121.5	118.2	117.0	116.3	111.9	104.8	99.6	95.2
77.5°	90.0	90.6	88.1	85.5	83.6	81.6	80.4	76.5	72.0	66.2	61.8
80°	56.6	57.2	56.6	54.7	52.0	51.4	49.5	47.0	43.0	39.2	36.0
82.5°	30.2	30.2	29.6	29.0	27.0	27.0	25.7	23.8	21.9	19.9	17.3
85°	11.5	11.5	10.9	10.3	9.6	9.6	9.0	8.4	7.1	6.5	5.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0
2.5°	1937.7	1938.3	1939.0	1939.6	1939.6	1939.6	1940.2	1941.0	1941.0	1941.6	1942.2
5°	1918.4	1919.1	1921.0	1921.6	1922.9	1922.2	1924.2	1926.2	1927.4	1928.7	1930.6
7.5°	1896.5	1898.5	1901.1	1903.0	1903.6	1904.3	1906.2	1908.8	1910.7	1913.3	1915.2
10°	1878.6	1880.5	1883.0	1885.7	1885.7	1886.9	1888.2	1890.1	1892.1	1894.0	1896.5
12.5°	1858.6	1861.2	1861.9	1863.1	1863.1	1863.8	1865.0	1865.7	1867.7	1868.3	1872.1
15°	1834.9	1834.9	1834.9	1834.9	1834.9	1834.1	1832.9	1834.1	1834.1	1836.2	1838.1
17.5°	1802.1	1802.1	1798.2	1796.3	1796.9	1793.6	1793.0	1790.5	1790.5	1790.5	1792.4
20°	1759.0	1753.2	1748.7	1742.9	1740.3	1739.1	1737.8	1732.0	1731.3	1731.3	1731.3
22.5°	1697.9	1691.5	1685.0	1680.6	1673.5	1670.8	1668.3	1664.5	1660.0	1657.4	1663.2
25°	1623.4	1615.6	1607.9	1598.9	1596.9	1593.7	1587.3	1583.5	1581.6	1578.9	1580.2
27.5°	1544.3	1533.4	1525.0	1516.0	1512.7	1508.9	1503.1	1497.3	1490.8	1492.2	1492.2
30°	1453.6	1440.7	1431.7	1420.8	1420.2	1416.3	1411.2	1404.1	1398.9	1398.9	1402.2
32.5°	1355.3	1346.3	1337.9	1325.6	1323.7	1321.2	1317.3	1310.8	1307.0	1303.1	1305.8
35°	1255.6	1241.5	1235.6	1227.9	1228.5	1221.5	1215.7	1211.8	1212.5	1208.7	1210.6
37.5°	1148.3	1139.8	1131.5	1128.3	1125.1	1121.2	1118.7	1116.1	1114.7	1114.7	1113.5
40°	1039.5	1035.1	1031.2	1029.9	1024.1	1025.4	1024.7	1022.8	1019.0	1017.8	1021.6
42.5°	937.4	932.8	930.9	927.8	927.0	925.1	925.1	923.2	922.6	923.2	922.6
45°	831.9	831.3	826.8	826.8	829.3	827.4	822.3	825.5	825.5	823.6	827.4
47.5°	734.8	735.5	732.9	727.8	727.8	724.6	720.7	724.0	725.9	722.6	724.6
50°	646.7	642.9	637.8	633.9	635.8	634.6	631.3	628.8	626.9	627.5	630.0
52.5°	563.2	561.3	555.5	550.9	549.7	550.3	546.5	542.6	543.2	542.6	541.3
55°	488.0	488.0	480.3	478.4	473.2	473.2	468.0	467.4	465.5	465.5	462.3
57.5°	423.1	417.2	412.8	408.2	406.3	403.7	401.8	397.4	395.3	391.5	390.9
60°	363.2	356.2	352.9	347.9	343.9	341.4	338.1	334.3	331.8	328.5	324.7
62.5°	309.9	302.2	295.7	290.6	287.4	286.7	281.5	277.1	271.9	268.1	261.7
65°	256.5	252.0	244.9	237.9	236.6	233.4	228.2	223.1	216.7	210.9	207.0
67.5°	209.6	203.8	197.4	193.5	189.0	186.5	180.6	172.9	165.8	160.1	153.0
70°	167.8	159.5	153.7	147.2	146.0	140.1	135.1	127.3	120.9	113.2	102.9
72.5°	126.0	117.6	113.2	106.7	102.9	99.6	92.5	85.5	75.2	69.4	60.4
75°	88.7	81.6	75.2	68.7	66.2	61.8	55.9	48.2	41.8	36.0	29.6
77.5°	55.3	50.8	45.1	39.9	37.3	34.7	30.2	24.4	19.9	15.4	11.5
80°	31.5	27.6	23.8	19.9	18.6	17.3	13.5	10.3	8.4	5.8	3.8
82.5°	14.8	12.2	10.3	8.4	7.7	6.5	4.5	3.2	1.9	1.3	0.6
85°	4.5	3.2	2.5	1.9	1.3	1.3	0.6	0.6	0.6	0.6	0.6
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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0
2.5°	1942.2	1942.9	1943.5	1943.5	1943.5	1944.1	1944.1	1945.4	1946.0	1946.7	1946.7
5°	1931.9	1933.9	1935.2	1935.8	1936.4	1938.3	1939.0	1941.0	1942.2	1943.5	1944.8
7.5°	1917.8	1919.7	1922.2	1923.5	1924.9	1927.4	1929.3	1932.5	1934.5	1937.1	1939.6
10°	1899.7	1902.4	1906.2	1907.4	1908.8	1912.0	1915.8	1919.7	1922.9	1926.8	1930.0
12.5°	1873.4	1877.3	1881.7	1883.0	1885.0	1889.5	1894.0	1899.7	1904.3	1909.5	1914.5
15°	1840.6	1845.8	1849.0	1850.2	1852.9	1859.3	1863.8	1870.2	1877.3	1885.0	1890.7
17.5°	1795.0	1797.6	1803.4	1805.9	1809.1	1815.5	1822.6	1830.3	1836.8	1845.1	1854.1
20°	1735.2	1739.1	1746.2	1748.7	1752.5	1758.3	1768.6	1775.0	1785.3	1795.7	1802.1
22.5°	1660.6	1667.7	1674.8	1677.9	1680.6	1687.7	1694.6	1705.6	1714.0	1728.1	1736.4
25°	1583.5	1585.4	1591.2	1596.9	1598.3	1607.3	1615.6	1628.4	1636.8	1645.8	1657.4
27.5°	1494.8	1497.3	1506.3	1507.6	1508.3	1517.9	1527.5	1537.8	1544.9	1555.1	1561.0
30°	1402.2	1406.7	1410.6	1413.1	1417.5	1422.1	1431.1	1444.0	1449.1	1458.1	1465.8
32.5°	1307.7	1307.7	1316.6	1317.3	1319.9	1330.2	1335.3	1343.0	1352.0	1359.1	1358.4
35°	1213.8	1216.4	1219.6	1224.1	1226.0	1232.5	1234.4	1240.2	1245.9	1251.1	1257.5
37.5°	1116.8	1116.8	1123.8	1127.0	1128.9	1132.2	1135.4	1141.2	1144.4	1146.3	1150.2
40°	1024.1	1026.8	1028.0	1029.3	1029.3	1033.8	1036.4	1040.8	1042.8	1047.9	1045.4
42.5°	930.3	929.0	929.7	932.8	933.5	936.1	938.0	940.6	943.1	941.8	946.4
45°	830.7	831.3	832.6	832.6	834.5	837.8	840.9	842.2	844.1	847.4	848.0
47.5°	726.5	729.7	727.8	732.9	734.2	734.8	742.6	743.2	749.7	750.9	750.9
50°	629.4	629.4	633.2	635.2	636.5	638.4	640.9	643.6	645.5	650.0	651.3
52.5°	541.9	543.2	543.2	541.3	543.2	543.2	549.7	550.3	549.7	550.9	552.9
55°	463.6	464.2	460.3	462.9	462.3	460.3	461.6	457.7	457.1	459.0	457.7
57.5°	388.4	385.7	385.1	381.9	381.9	378.6	375.5	375.5	372.9	368.4	367.7
60°	320.8	317.0	314.3	312.4	307.3	304.1	299.6	295.7	290.6	284.8	281.5
62.5°	257.1	252.7	247.5	244.9	241.1	233.4	227.6	221.8	213.4	208.2	203.2
65°	200.6	193.5	185.2	181.3	177.5	170.4	162.7	153.0	144.7	137.6	128.6
67.5°	145.3	137.6	129.2	123.4	119.6	111.3	102.3	93.8	84.2	76.5	72.0
70°	95.2	85.5	77.8	73.3	69.4	61.0	52.7	45.7	41.1	39.2	38.6
72.5°	54.0	44.3	38.6	34.1	30.9	25.1	20.6	18.0	16.7	16.1	14.8
75°	23.2	17.3	13.5	10.9	9.6	7.7	7.1	7.1	7.1	6.5	6.5
77.5°	8.4	5.8	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P844476

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B35 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0
2.5°	1947.3	1948.6	1948.6	1949.3	1950.0	1950.0	1950.0	1950.0
5°	1946.0	1947.3	1947.9	1948.6	1949.3	1950.0	1950.0	1950.0
7.5°	1941.0	1943.5	1944.1	1945.4	1946.7	1947.3	1947.3	1947.9
10°	1933.2	1935.8	1937.7	1939.0	1940.2	1941.6	1942.9	1942.9
12.5°	1919.1	1922.9	1925.5	1926.8	1930.0	1931.2	1932.5	1933.9
15°	1895.9	1901.1	1904.3	1906.8	1909.5	1913.3	1913.9	1915.8
17.5°	1861.2	1868.3	1869.6	1873.4	1876.7	1883.0	1882.4	1883.0
20°	1811.1	1818.8	1821.4	1825.2	1830.3	1834.9	1838.7	1835.5
22.5°	1744.1	1753.2	1757.0	1760.9	1764.1	1767.9	1773.1	1773.8
25°	1665.1	1672.9	1676.0	1678.6	1685.0	1688.3	1693.4	1694.0
27.5°	1574.5	1578.9	1583.5	1584.8	1591.8	1593.7	1598.3	1598.3
30°	1471.6	1476.8	1481.9	1483.9	1485.8	1487.7	1490.8	1492.8
32.5°	1366.1	1371.3	1373.2	1376.4	1377.1	1380.3	1379.0	1384.1
35°	1260.7	1262.0	1264.0	1263.3	1267.8	1267.2	1272.3	1271.7
37.5°	1154.6	1153.3	1156.6	1159.8	1158.5	1157.3	1159.2	1155.9
40°	1048.5	1049.2	1049.8	1053.1	1049.8	1051.8	1050.5	1049.8
42.5°	949.5	949.5	945.7	949.5	947.0	945.7	948.3	944.5
45°	849.3	848.6	849.3	849.9	849.9	849.9	847.4	849.9
47.5°	754.1	754.7	752.2	756.7	755.4	752.8	752.8	750.9
50°	653.2	657.0	661.5	657.6	660.9	659.0	657.0	659.0
52.5°	557.4	560.0	556.7	557.4	564.5	564.5	560.7	560.0
55°	455.2	455.2	456.5	457.1	457.7	466.1	461.6	462.9
57.5°	363.9	363.9	361.9	365.8	363.2	360.0	363.2	354.8
60°	276.5	275.8	273.9	271.3	264.8	262.9	255.8	255.2
62.5°	196.7	189.6	187.1	181.9	174.8	172.9	165.8	165.2
65°	122.2	113.8	111.3	108.6	105.4	104.8	102.3	103.5
67.5°	69.4	68.1	67.5	65.6	64.3	63.0	63.0	62.4
70°	36.6	34.1	33.4	32.8	32.8	30.2	29.6	30.9
72.5°	14.2	12.9	12.9	12.9	12.2	12.2	12.2	12.2
75°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
77.5°	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
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6
87.5°	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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)