

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: P844457

Luminaire Tested: **LD6C40DE010B2750 EU6C40B30 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C40DE010B2750 EU6C40B30 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

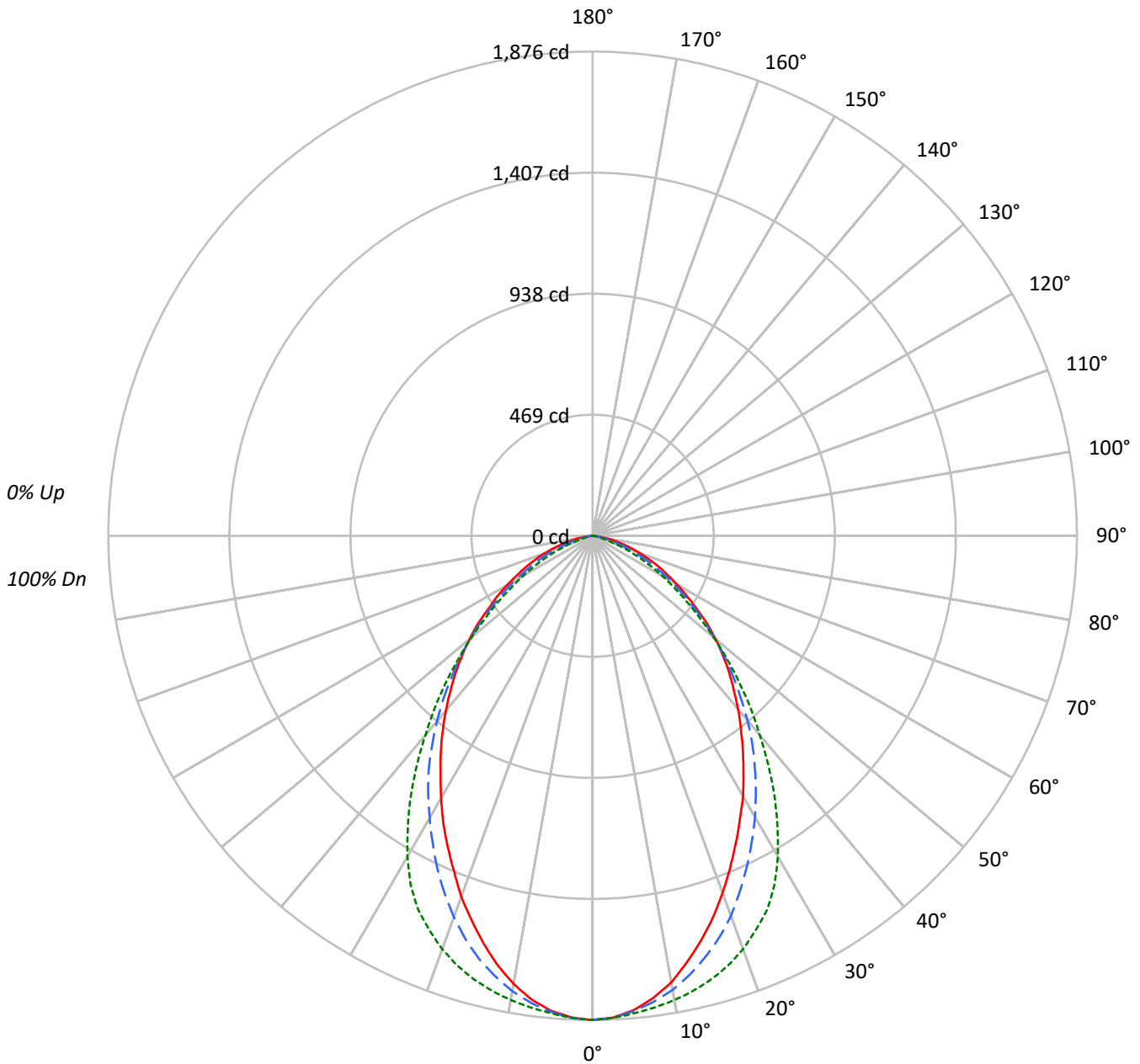
Lumens per Lamp: N/A
Luminaire Lumens: 3358.0 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77			
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67			
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	102837	102837	102837
5°	101475	102201	101651
10°	97766	101674	98150
15°	92146	100954	92742
20°	85868	99391	86790
25°	79408	96725	80357
30°	73752	90799	74265
35°	67867	82121	68623
40°	62703	72028	63290
45°	57928	62255	58130
50°	52996	52186	52936
55°	46813	42627	46995
60°	41334	34197	41970
65°	36398	25437	36645
70°	30614	15964	31432
75°	24273	6757	24930
80°	16227	1578	17395
85°	6730	377	7862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	5.2
10°-20°	477.0	14.2
20°-30°	658.5	19.6
30°-40°	692.7	20.6
40°-50°	596.5	17.8
50°-60°	424.7	12.6
60°-70°	239.4	7.1
70°-80°	84.9	2.5
80°-90°	9.6	0.3
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°	1310.2	39.0
0°-40°	2002.9	59.6
0°-60°	3024.1	90.1
0°-90°	3358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3358.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1876	1876	1876	1876	1876	
5°	1844	1848	1857	1852	1847	173
15°	1624	1689	1779	1698	1634	455
25°	1313	1414	1599	1422	1328	604
35°	1014	1096	1227	1107	1025	635
45°	747	769	803	770	750	576
55°	490	474	446	474	492	442
65°	281	240	196	242	282	278
75°	115	77	32	78	118	124
85°	11	5	1	5	12	18
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°	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9
2.5°	1867.8	1868.4	1868.4	1869.1	1868.4	1868.4	1869.1	1869.1	1868.4	1869.1	1869.1
5°	1844.0	1843.3	1844.0	1844.6	1846.5	1846.5	1845.9	1845.9	1847.8	1847.2	1848.4
7.5°	1805.2	1805.2	1807.1	1808.3	1808.3	1809.0	1810.2	1812.7	1815.2	1815.9	1820.2
10°	1756.3	1756.9	1756.3	1758.8	1760.7	1763.8	1763.2	1767.6	1772.0	1778.3	1786.4
12.5°	1691.8	1693.7	1697.5	1697.5	1703.1	1706.2	1705.6	1715.6	1723.7	1731.2	1741.3
15°	1623.6	1622.9	1626.0	1631.1	1636.7	1641.1	1642.9	1656.1	1664.3	1676.8	1689.4
17.5°	1550.3	1548.4	1553.3	1556.5	1565.9	1571.5	1575.3	1586.6	1599.8	1614.8	1631.7
20°	1471.9	1475.1	1476.4	1480.7	1493.3	1497.6	1504.0	1516.4	1529.5	1547.1	1566.6
22.5°	1391.7	1396.2	1398.7	1404.3	1414.4	1418.1	1424.3	1442.5	1456.9	1472.5	1490.7
25°	1312.8	1317.9	1322.3	1329.1	1336.0	1341.7	1349.9	1362.3	1378.6	1393.0	1413.7
27.5°	1235.8	1240.2	1241.5	1249.6	1257.7	1265.2	1269.7	1284.7	1298.5	1316.0	1336.0
30°	1165.1	1162.6	1165.6	1172.6	1181.9	1187.0	1194.5	1204.5	1219.6	1236.5	1257.1
32.5°	1087.4	1087.4	1092.4	1100.6	1108.1	1111.8	1114.3	1128.1	1143.1	1159.4	1176.3
35°	1014.1	1016.6	1020.9	1026.0	1034.2	1037.2	1042.9	1052.9	1064.8	1083.0	1095.5
37.5°	943.3	945.2	949.5	954.6	960.9	967.1	969.6	980.2	989.0	1004.1	1016.0
40°	876.2	876.9	882.0	883.8	889.5	891.9	897.0	902.6	915.2	921.4	932.6
42.5°	808.7	811.7	813.6	818.1	818.6	823.7	826.2	828.0	838.1	841.9	848.1
45°	747.2	747.2	749.1	749.1	752.3	750.4	754.1	757.9	758.5	764.8	768.6
47.5°	683.3	681.5	684.0	683.3	682.7	682.7	684.0	684.6	686.5	690.8	692.8
50°	621.4	617.0	617.0	616.4	615.8	617.6	617.6	617.0	617.0	618.8	617.0
52.5°	558.1	556.8	553.7	551.2	550.0	550.0	550.0	547.4	547.4	546.2	541.8
55°	489.8	491.7	490.4	489.2	488.5	486.7	486.7	483.6	478.6	476.0	473.5
57.5°	431.0	433.4	433.4	431.0	427.8	426.5	423.4	421.6	417.1	412.8	407.7
60°	377.0	380.2	375.8	374.0	373.3	371.4	370.2	363.3	358.9	354.5	348.9
62.5°	325.8	326.9	323.8	321.9	320.0	318.2	317.6	311.9	304.4	298.8	291.9
65°	280.6	278.7	277.5	274.4	271.2	268.7	268.7	261.2	254.3	247.4	240.5
67.5°	233.6	234.9	233.0	230.5	225.5	222.9	219.2	214.2	207.9	201.1	192.9
70°	191.0	190.4	188.6	186.0	182.9	178.5	175.4	172.9	164.1	156.0	149.1
72.5°	152.2	151.6	149.7	146.6	142.1	140.3	137.8	131.6	124.7	117.7	110.2
75°	114.6	115.3	112.1	110.8	105.9	104.0	103.3	95.8	90.2	84.0	77.0
77.5°	82.1	82.1	78.9	76.5	73.9	72.7	70.1	65.8	61.3	55.1	49.5
80°	51.4	51.4	51.4	48.9	46.3	45.1	43.3	40.1	35.7	31.9	28.2
82.5°	27.6	27.6	26.3	25.7	24.4	23.2	22.5	21.3	18.2	16.3	13.7
85°	10.7	10.7	10.0	10.0	8.8	8.8	8.1	7.5	6.2	5.6	5.0
87.5°	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	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°	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9
2.5°	1869.7	1869.7	1869.1	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1869.7	1870.3
5°	1849.7	1851.5	1852.1	1852.8	1854.0	1854.7	1855.3	1855.9	1856.6	1857.2	1857.2
7.5°	1824.0	1828.3	1831.5	1834.7	1835.8	1837.1	1839.0	1841.6	1843.3	1843.3	1842.8
10°	1793.3	1798.9	1805.2	1810.8	1812.7	1815.9	1818.9	1822.7	1825.9	1826.5	1826.5
12.5°	1753.2	1759.5	1770.7	1780.1	1783.9	1788.2	1794.5	1800.2	1803.3	1805.2	1804.5
15°	1703.1	1716.2	1731.9	1742.6	1747.5	1755.0	1765.1	1771.3	1776.4	1778.8	1777.7
17.5°	1648.6	1665.5	1682.4	1696.9	1703.7	1711.3	1725.0	1736.3	1743.8	1745.7	1744.5
20°	1586.6	1605.4	1623.6	1641.7	1651.1	1659.9	1674.2	1688.7	1701.2	1703.7	1701.8
22.5°	1512.6	1534.0	1555.9	1576.6	1587.2	1595.3	1616.1	1632.4	1646.7	1653.0	1648.6
25°	1436.3	1458.8	1482.0	1500.1	1512.1	1525.8	1544.6	1563.4	1581.0	1599.1	1582.9
27.5°	1354.8	1375.5	1399.9	1424.9	1436.3	1446.3	1465.7	1489.5	1507.7	1525.8	1507.7
30°	1273.4	1299.7	1321.6	1343.5	1356.1	1367.9	1387.4	1406.9	1424.3	1434.4	1423.2
32.5°	1197.0	1216.4	1238.3	1259.6	1268.4	1277.8	1294.1	1312.2	1329.1	1332.3	1324.8
35°	1116.9	1133.7	1151.9	1165.6	1176.3	1186.3	1200.7	1212.0	1216.4	1227.1	1219.6
37.5°	1026.0	1041.0	1057.3	1067.4	1076.7	1084.8	1095.5	1105.5	1109.2	1117.4	1111.8
40°	940.1	952.7	962.1	972.7	977.8	985.9	990.3	998.4	1002.8	1006.5	1007.2
42.5°	857.5	864.4	871.3	878.8	880.7	882.6	893.2	898.9	903.2	905.8	902.0
45°	772.9	779.8	782.3	787.9	791.1	792.4	796.7	797.4	798.6	803.0	801.2
47.5°	695.9	696.6	698.4	700.9	702.2	702.2	704.7	702.2	703.4	704.1	705.3
50°	615.1	619.5	615.1	617.6	618.2	617.6	615.8	614.5	612.6	611.9	611.3
52.5°	538.7	539.3	536.7	535.0	533.0	533.7	528.6	526.2	526.8	523.0	527.4
55°	469.2	466.6	461.0	459.1	454.8	454.1	453.5	450.3	445.4	446.0	447.3
57.5°	402.1	397.8	392.1	389.0	387.7	382.8	382.1	377.0	374.0	373.3	373.3
60°	341.4	337.6	332.0	326.4	321.9	319.4	316.3	311.3	312.5	311.9	308.8
62.5°	283.8	279.3	271.2	264.9	262.4	260.6	256.2	252.5	250.6	252.5	250.6
65°	232.4	225.5	216.1	209.8	209.2	206.7	201.7	199.2	197.4	196.1	197.9
67.5°	184.8	175.4	169.8	161.6	157.8	156.6	149.7	146.0	146.6	146.0	146.6
70°	141.0	131.6	124.1	117.7	112.7	110.8	107.1	102.1	101.4	99.6	102.1
72.5°	102.1	93.9	87.0	80.2	75.8	73.3	68.3	63.2	62.0	60.7	60.7
75°	70.1	63.2	55.7	49.5	46.3	43.9	38.8	35.1	31.9	31.9	31.9
77.5°	43.9	38.2	32.6	28.2	26.3	23.8	19.5	15.7	14.4	12.5	13.1
80°	25.1	20.6	17.6	14.4	12.5	11.3	8.8	6.9	5.0	5.0	5.0
82.5°	12.0	10.0	7.5	6.2	5.6	4.3	3.2	2.5	1.9	1.3	1.3
85°	3.8	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°	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9
2.5°	1869.7	1870.3	1869.7	1870.3	1869.7	1871.0	1871.0	1870.3	1870.3	1870.3	1869.7
5°	1856.6	1856.6	1855.9	1855.9	1855.9	1855.3	1853.4	1853.4	1852.1	1851.5	1850.3
7.5°	1842.2	1840.9	1839.0	1838.4	1836.5	1834.7	1830.9	1827.7	1825.3	1822.1	1818.9
10°	1824.6	1821.5	1817.8	1815.2	1813.9	1809.6	1803.9	1796.4	1791.4	1785.8	1779.5
12.5°	1802.1	1798.3	1791.4	1786.4	1783.3	1775.1	1767.0	1757.6	1747.5	1737.6	1731.2
15°	1772.6	1766.4	1757.6	1752.6	1746.9	1735.7	1721.3	1708.1	1698.0	1686.8	1671.8
17.5°	1738.1	1728.8	1716.9	1708.7	1701.8	1686.8	1669.9	1653.0	1638.0	1624.2	1609.1
20°	1690.5	1679.3	1664.9	1654.2	1647.4	1627.9	1609.7	1589.7	1571.5	1555.3	1537.7
22.5°	1634.8	1616.1	1601.6	1589.1	1581.6	1559.7	1539.6	1518.3	1498.9	1484.5	1465.7
25°	1564.7	1546.5	1528.3	1518.3	1506.4	1483.2	1462.6	1440.6	1422.5	1404.3	1386.8
27.5°	1490.1	1468.8	1448.7	1436.9	1426.2	1403.7	1383.1	1363.0	1342.3	1322.3	1306.6
30°	1408.7	1387.4	1371.8	1356.7	1344.8	1326.7	1301.0	1280.9	1262.7	1244.6	1228.3
32.5°	1317.9	1300.4	1281.5	1274.0	1265.2	1243.4	1223.3	1203.9	1185.7	1167.5	1150.6
35°	1212.7	1198.8	1187.6	1179.5	1173.8	1154.4	1138.8	1118.0	1106.8	1088.6	1076.1
37.5°	1104.9	1098.0	1090.5	1080.5	1072.3	1061.0	1051.7	1034.8	1021.6	1008.5	994.7
40°	1001.6	994.1	984.0	979.1	977.1	967.1	954.0	945.2	937.7	925.7	918.2
42.5°	900.7	897.0	886.9	884.4	882.0	873.2	866.9	859.3	854.4	845.6	841.9
45°	798.0	797.4	794.8	792.4	791.1	784.9	783.6	774.2	769.9	767.9	764.1
47.5°	707.1	705.3	701.5	705.3	699.6	699.0	699.0	697.2	695.3	690.2	689.6
50°	614.5	617.6	618.2	616.4	620.1	619.5	616.4	617.0	618.2	620.7	617.0
52.5°	529.2	531.8	536.2	534.3	537.4	540.6	539.3	544.4	542.5	544.9	550.0
55°	448.4	455.4	459.8	457.8	460.4	464.1	465.4	469.8	473.5	477.9	481.0
57.5°	379.0	380.9	387.1	389.0	389.6	392.7	399.0	405.9	410.3	413.4	416.5
60°	310.6	317.0	321.3	321.3	326.4	330.7	336.3	342.7	347.6	355.2	360.8
62.5°	253.1	254.3	260.6	261.2	264.9	272.4	276.9	286.3	292.5	300.7	308.2
65°	197.4	203.0	206.7	207.3	213.0	218.6	224.9	233.6	242.4	249.3	256.2
67.5°	147.9	150.9	156.0	160.3	161.6	169.8	179.2	187.3	194.8	201.1	209.8
70°	103.3	105.9	112.7	115.3	119.0	125.2	132.8	141.5	150.3	159.1	165.9
72.5°	63.2	68.9	73.3	77.0	80.2	87.7	95.8	103.3	110.8	118.3	127.1
75°	35.1	38.8	43.9	47.6	50.8	56.4	63.9	71.4	78.3	85.1	91.5
77.5°	15.7	19.5	23.8	26.3	28.8	33.8	39.4	45.7	51.4	56.4	62.0
80°	6.2	8.8	11.3	13.1	14.4	17.6	21.9	25.1	28.8	33.2	37.5
82.5°	2.5	3.2	4.3	5.6	6.2	8.1	10.0	12.0	15.0	16.9	19.5
85°	0.6	0.6	1.3	1.3	1.9	2.5	3.2	4.3	5.0	5.6	6.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
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: P844457

CATALOG NUMBER: LD6C40DE010B2750 EU6C40B30 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9	1875.9
2.5°	1869.7	1869.1	1869.1	1869.1	1869.1	1868.4	1868.4	1868.4
5°	1851.0	1849.7	1849.1	1849.1	1847.2	1847.8	1847.8	1847.2
7.5°	1817.8	1816.5	1814.6	1815.9	1815.2	1813.3	1812.7	1812.0
10°	1774.5	1772.0	1771.3	1768.3	1766.4	1765.7	1765.7	1763.2
12.5°	1723.1	1716.2	1715.6	1712.5	1708.1	1705.6	1706.8	1703.1
15°	1666.1	1656.1	1651.1	1648.6	1643.6	1639.2	1635.4	1634.1
17.5°	1596.6	1585.3	1581.6	1579.0	1568.5	1567.8	1562.8	1560.9
20°	1523.9	1513.9	1508.3	1504.5	1496.3	1488.8	1488.2	1487.7
22.5°	1453.2	1436.9	1431.8	1426.2	1417.4	1411.2	1407.4	1404.3
25°	1373.0	1359.8	1351.0	1345.4	1339.2	1334.2	1329.1	1328.5
27.5°	1292.9	1280.3	1274.7	1269.7	1261.5	1255.8	1250.9	1253.4
30°	1214.5	1202.0	1195.8	1192.0	1183.8	1180.7	1172.0	1173.2
32.5°	1136.9	1125.5	1121.2	1113.7	1106.2	1102.4	1099.3	1096.8
35°	1062.3	1052.9	1046.6	1041.7	1034.8	1028.4	1025.4	1025.4
37.5°	986.6	977.1	974.0	970.3	963.9	955.3	952.1	954.6
40°	909.5	902.6	899.4	897.0	890.7	887.6	884.4	884.4
42.5°	836.2	829.3	828.7	826.2	821.1	819.2	816.8	814.9
45°	759.8	756.6	754.1	754.1	753.6	752.9	751.0	749.8
47.5°	686.5	687.1	685.9	685.2	685.9	684.0	686.5	684.6
50°	619.5	618.2	619.5	618.2	618.8	621.4	618.8	620.7
52.5°	548.1	553.7	554.3	551.9	554.3	556.2	557.5	560.5
55°	484.8	486.7	487.9	490.4	491.7	495.5	491.7	491.7
57.5°	423.4	426.5	427.8	429.7	434.7	432.8	436.0	438.5
60°	367.6	371.4	374.0	375.8	377.7	382.1	383.3	382.8
62.5°	313.2	318.8	319.4	324.5	325.8	328.8	331.4	328.8
65°	262.4	267.5	271.2	274.4	278.2	281.2	280.6	282.5
67.5°	216.1	222.3	225.5	226.8	231.7	233.0	236.2	238.0
70°	174.1	178.5	182.2	184.1	187.3	191.0	194.2	196.1
72.5°	132.8	139.7	143.4	144.7	149.7	152.2	153.5	155.4
75°	98.4	104.0	105.9	108.9	111.5	117.1	116.6	117.7
77.5°	68.3	72.0	75.8	75.8	80.2	81.4	84.6	85.1
80°	40.7	45.1	47.0	47.6	50.8	52.6	53.8	55.1
82.5°	21.3	24.4	24.4	25.7	28.2	28.2	28.8	30.0
85°	8.1	9.4	10.0	10.0	10.7	12.0	12.0	12.5
87.5°	1.3	1.3	1.3	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



Report Generated By 670246072 / DESKTOP-50001EG





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













(END OF REPORT)