

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: P844400

Luminaire Tested: **LD6C35DE010B2750 EU6C35B35 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B2750 EU6C35B35 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

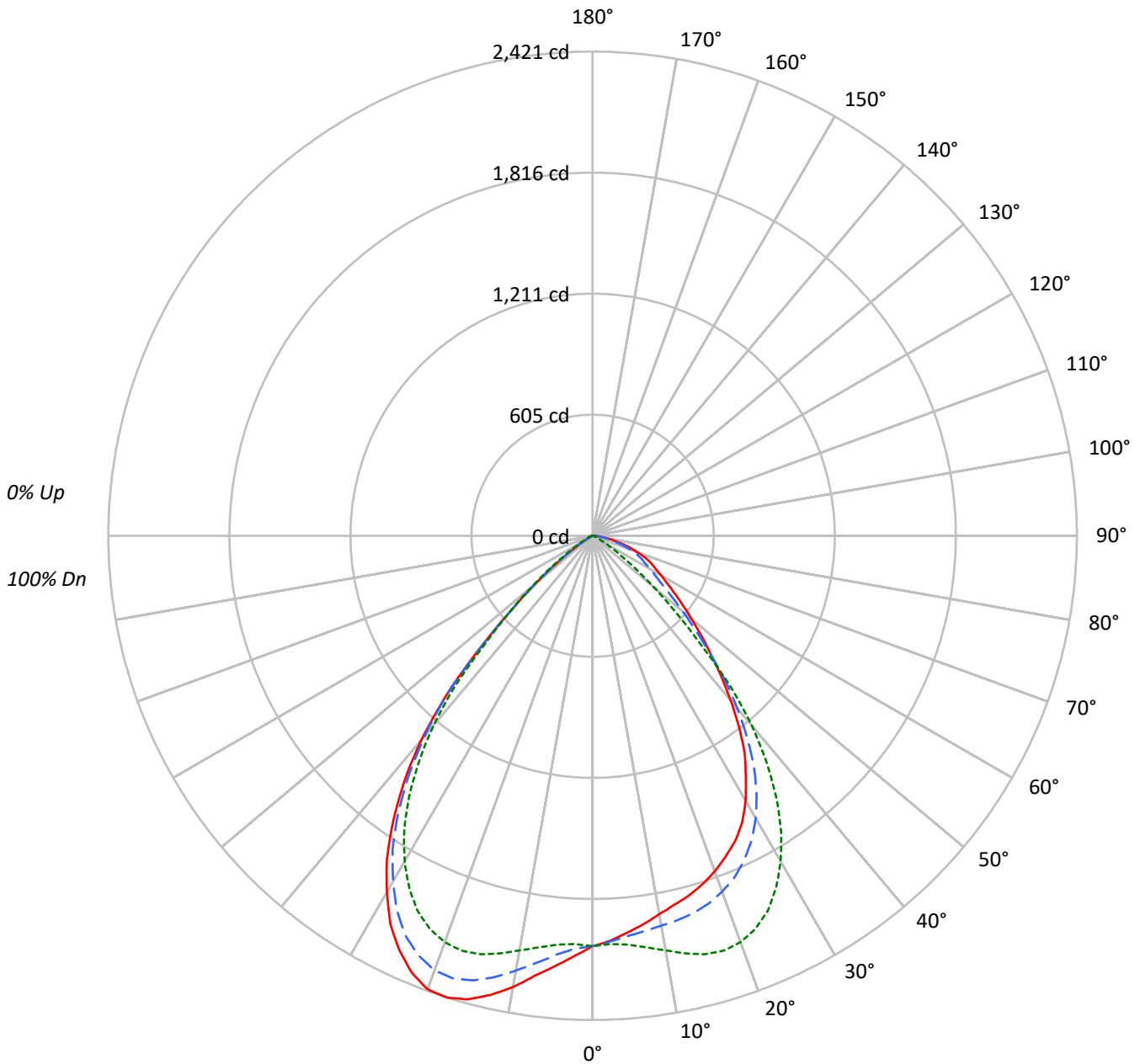
Lumens per Lamp: N/A
Luminaire Lumens: 3751.4 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41.7
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

TEST NUMBER: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

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			100
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			80
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			58
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40			40
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	112507	112507	112507
5°	109591	112937	118875
10°	106929	117193	127569
15°	105676	122935	136187
20°	104163	126139	140788
25°	101945	125209	138262
30°	96876	118987	130166
35°	88633	107271	116205
40°	76665	88602	95336
45°	64650	58107	62363
50°	54889	33636	31632
55°	47635	16124	12196
60°	43023	7521	3004
65°	41729	4320	1012
70°	37426	3462	946
75°	30755	2499	424
80°	22920	1231	0
85°	19750	0	0



TEST NUMBER: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	5.3
10°-20°	604.2	16.1
20°-30°	923.1	24.6
30°-40°	965.5	25.7
40°-50°	626.3	16.7
50°-60°	248.7	6.6
60°-70°	118.0	3.1
70°-80°	56.1	1.5
80°-90°	11.4	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°	1725.5	46.0
0°-40°	2690.9	71.7
0°-60°	3565.9	95.1
0°-90°	3751.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3751.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2052	2052	2052	2052	2052	
5°	1992	2009	2052	2103	2160	188
15°	1862	1952	2166	2302	2400	525
25°	1685	1791	2070	2209	2286	772
35°	1324	1405	1603	1697	1736	819
45°	834	826	750	795	804	649
55°	498	424	169	132	128	452
65°	322	267	33	8	8	314
75°	145	118	12	4	2	157
85°	31	20	0	0	0	37
90°	0	0	0	0	0	



TEST NUMBER: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3
2.5°	2026.8	2030.8	2009.2	2003.3	2019.0	2024.8	2026.8	2020.9	2022.9	2030.8	2030.8
5°	1991.5	1995.4	1975.8	1969.8	1985.6	1989.6	1995.4	1993.5	1999.4	2011.1	2009.2
7.5°	1958.2	1964.0	1942.5	1934.6	1954.3	1964.0	1967.9	1967.9	1975.8	1991.5	1993.5
10°	1920.9	1928.7	1909.1	1905.1	1926.7	1936.5	1938.5	1942.5	1954.3	1975.8	1979.7
12.5°	1889.5	1897.3	1883.6	1877.7	1901.2	1911.0	1915.0	1922.9	1936.5	1964.0	1967.9
15°	1862.0	1867.9	1852.2	1848.3	1871.8	1883.6	1885.5	1897.3	1915.0	1946.4	1952.3
17.5°	1826.6	1830.6	1818.8	1814.9	1838.5	1850.2	1852.2	1865.9	1887.6	1919.0	1928.7
20°	1785.5	1789.4	1777.7	1773.8	1797.2	1811.0	1813.0	1824.7	1850.2	1883.6	1893.4
22.5°	1736.4	1744.2	1730.6	1726.6	1750.2	1761.9	1767.8	1777.7	1803.2	1836.5	1850.2
25°	1685.4	1685.4	1675.6	1673.6	1695.3	1708.9	1707.0	1720.7	1746.3	1779.6	1791.3
27.5°	1618.7	1616.7	1606.9	1605.0	1628.5	1640.3	1636.4	1650.1	1673.6	1707.0	1718.8
30°	1530.4	1534.3	1520.7	1516.6	1536.3	1556.0	1554.0	1567.7	1591.2	1622.6	1630.6
32.5°	1424.4	1428.3	1426.4	1420.5	1438.2	1448.0	1453.9	1463.7	1483.3	1516.6	1524.6
35°	1324.4	1318.4	1310.7	1310.7	1328.3	1344.0	1338.1	1349.9	1369.5	1402.8	1404.9
37.5°	1200.8	1198.8	1194.9	1191.0	1210.6	1214.5	1216.5	1224.3	1242.0	1269.5	1265.6
40°	1071.3	1073.2	1071.3	1063.5	1075.2	1090.9	1088.9	1092.9	1108.5	1128.2	1122.4
42.5°	949.6	949.6	949.6	941.8	955.5	963.4	967.3	965.3	969.2	987.0	979.1
45°	833.9	835.8	833.9	831.9	833.9	837.9	833.9	831.9	831.9	837.9	826.0
47.5°	733.9	733.9	728.0	722.0	728.0	729.9	724.1	718.1	716.1	714.2	694.7
50°	643.6	641.6	639.7	629.8	635.6	637.6	629.8	625.9	618.1	608.2	584.8
52.5°	565.1	563.1	561.2	551.3	555.3	557.3	549.4	541.5	531.7	523.8	494.4
55°	498.4	496.3	496.3	490.5	486.6	490.5	482.7	476.8	463.0	453.2	423.8
57.5°	441.5	441.5	437.5	431.6	433.6	433.6	425.8	417.9	406.1	394.4	370.9
60°	392.4	392.4	392.4	386.5	386.5	386.5	382.5	374.8	365.0	353.1	329.7
62.5°	353.1	353.1	351.1	345.3	347.2	347.2	343.3	335.6	325.8	317.8	294.3
65°	321.7	321.7	321.7	315.9	315.9	317.8	313.9	306.1	298.3	288.4	266.8
67.5°	282.5	280.6	280.6	276.6	278.6	280.6	276.6	270.8	261.0	255.1	235.4
70°	233.5	235.4	237.4	231.5	233.5	233.5	231.5	225.7	219.8	213.9	196.2
72.5°	190.4	190.4	188.4	186.5	186.5	188.4	184.5	178.5	174.6	170.7	157.0
75°	145.2	143.2	145.2	141.3	141.3	141.3	137.3	135.4	133.4	127.6	117.7
77.5°	106.0	104.0	104.0	100.1	102.1	102.1	100.1	96.1	92.2	90.2	82.4
80°	72.6	72.6	72.6	70.6	70.6	68.6	68.6	66.7	62.7	60.8	56.9
82.5°	49.1	49.1	49.1	47.2	47.2	47.2	45.2	43.2	41.2	39.2	35.3
85°	31.4	31.4	31.4	29.4	29.4	29.4	27.4	27.4	25.5	23.5	19.6
87.5°	17.7	17.7	17.7	15.8	15.8	15.8	15.8	15.8	13.7	11.8	9.8
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: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3
2.5°	2044.4	2017.0	2034.7	2034.7	2028.9	2044.4	2054.3	2062.2	2060.2	2042.5	2040.5
5°	2028.9	2005.2	2024.8	2026.8	2020.9	2042.5	2056.3	2066.1	2068.0	2052.3	2054.3
7.5°	2017.0	1997.3	2022.9	2030.8	2028.9	2048.4	2064.2	2079.7	2087.7	2075.8	2077.8
10°	2011.1	1995.4	2022.9	2034.7	2036.6	2058.3	2081.7	2103.3	2113.2	2105.3	2111.1
12.5°	2003.3	1993.5	2024.8	2042.5	2050.3	2071.9	2101.4	2126.9	2142.6	2138.6	2150.4
15°	1995.4	1987.6	2024.8	2050.3	2060.2	2079.7	2113.2	2150.4	2168.1	2166.1	2181.8
17.5°	1975.8	1973.9	2013.1	2040.5	2054.3	2077.8	2109.2	2154.3	2172.1	2176.0	2195.5
20°	1944.5	1944.5	1987.6	2017.0	2032.7	2054.3	2093.6	2136.7	2158.3	2162.2	2183.8
22.5°	1901.2	1905.1	1946.4	1975.8	1999.4	2015.0	2056.3	2101.4	2121.0	2126.9	2150.4
25°	1844.4	1848.3	1887.6	1917.0	1942.5	1960.1	1999.4	2040.5	2064.2	2070.0	2087.7
27.5°	1769.8	1777.7	1814.9	1844.4	1865.9	1877.7	1919.0	1962.0	1979.7	1985.6	2003.3
30°	1683.4	1685.4	1722.7	1748.2	1769.8	1779.6	1814.9	1860.1	1873.8	1879.7	1905.1
32.5°	1577.5	1575.6	1610.9	1634.5	1652.0	1663.9	1701.1	1730.6	1744.2	1754.1	1767.8
35°	1450.0	1448.0	1473.5	1501.0	1514.7	1518.7	1556.0	1587.3	1595.2	1602.9	1620.7
37.5°	1306.8	1306.8	1328.3	1342.1	1357.7	1363.6	1381.4	1416.7	1430.3	1428.3	1442.1
40°	1155.7	1147.8	1163.5	1177.3	1181.2	1183.1	1200.8	1228.2	1238.1	1238.1	1247.8
42.5°	996.7	985.0	987.0	994.7	998.6	985.0	996.7	1014.4	1008.5	1016.4	1018.4
45°	828.0	810.4	802.5	784.8	788.8	775.0	767.2	771.1	769.1	749.5	753.5
47.5°	690.6	659.3	645.5	620.1	614.2	598.4	588.7	570.9	555.3	555.3	545.4
50°	574.9	543.5	516.0	486.6	476.8	463.0	441.5	417.9	406.1	394.4	384.6
52.5°	482.7	449.3	416.0	384.6	370.9	353.1	323.7	300.3	278.6	266.8	255.1
55°	408.1	370.9	335.6	302.2	284.5	266.8	237.4	209.9	184.5	168.7	159.0
57.5°	351.1	315.9	278.6	243.3	227.6	207.9	176.6	147.1	123.6	106.0	96.1
60°	310.0	274.7	241.4	204.0	188.4	168.7	135.4	107.9	84.4	68.6	56.9
62.5°	274.7	243.3	207.9	174.6	159.0	139.3	107.9	80.5	58.8	43.2	33.3
65°	249.2	217.8	188.4	155.0	141.3	121.6	92.2	66.7	47.2	33.3	23.5
67.5°	219.8	192.3	162.9	135.4	121.6	106.0	78.5	56.9	39.2	27.4	19.6
70°	184.5	162.9	137.3	111.9	102.1	88.3	64.7	47.2	31.4	21.6	15.8
72.5°	147.1	129.5	109.9	90.2	82.4	68.6	53.0	37.3	23.5	15.8	11.8
75°	111.9	98.0	82.4	68.6	60.8	53.0	39.2	27.4	17.7	11.8	7.8
77.5°	76.6	70.6	58.8	47.2	43.2	37.3	25.5	17.7	11.8	7.8	3.9
80°	53.0	47.2	39.2	31.4	27.4	23.5	15.8	11.8	5.9	3.9	2.0
82.5°	33.3	27.4	23.5	19.6	17.7	13.7	9.8	5.9	3.9	2.0	2.0
85°	17.7	15.8	13.7	9.8	9.8	7.8	5.9	3.9	2.0	0.0	0.0
87.5°	9.8	7.8	5.9	3.9	3.9	2.0	2.0	2.0	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: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3
2.5°	2064.2	2064.2	2062.2	2085.7	2058.3	2085.7	2071.9	2085.7	2066.1	2064.2	2066.1
5°	2079.7	2085.7	2087.7	2109.2	2083.7	2117.1	2105.3	2117.1	2103.3	2107.2	2113.2
7.5°	2111.1	2121.0	2119.1	2146.5	2121.0	2158.3	2150.4	2168.1	2154.3	2158.3	2166.1
10°	2146.5	2158.3	2160.2	2187.7	2164.1	2209.3	2199.5	2219.0	2207.4	2213.2	2223.0
12.5°	2187.7	2201.5	2203.5	2234.8	2209.3	2256.4	2250.5	2270.1	2260.3	2266.2	2278.0
15°	2219.0	2238.7	2242.7	2274.0	2246.6	2295.6	2291.7	2317.3	2301.5	2311.4	2321.1
17.5°	2234.8	2252.4	2260.3	2289.7	2266.2	2315.3	2311.4	2332.9	2321.1	2330.9	2342.8
20°	2224.9	2246.6	2252.4	2282.0	2258.4	2307.4	2301.5	2323.1	2311.4	2319.2	2330.9
22.5°	2189.6	2211.3	2219.0	2246.6	2224.9	2270.1	2268.2	2287.8	2272.1	2282.0	2291.7
25°	2126.9	2150.4	2154.3	2179.9	2156.3	2203.5	2199.5	2221.0	2209.3	2215.2	2228.9
27.5°	2036.6	2064.2	2070.0	2091.6	2073.9	2113.2	2113.2	2130.8	2117.1	2117.1	2130.8
30°	1928.7	1956.2	1960.1	1977.8	1962.0	1997.3	1999.4	2017.0	1995.4	2007.2	2009.2
32.5°	1797.2	1814.9	1826.6	1842.4	1818.8	1864.0	1858.1	1871.8	1860.1	1860.1	1869.9
35°	1638.3	1660.0	1665.9	1685.4	1665.9	1701.1	1701.1	1708.9	1697.2	1697.2	1712.8
37.5°	1465.7	1481.4	1483.3	1502.9	1487.2	1516.6	1514.7	1520.7	1508.8	1516.6	1516.6
40°	1263.6	1275.4	1279.2	1289.0	1287.1	1308.7	1306.8	1310.7	1304.8	1306.8	1310.7
42.5°	1028.1	1043.8	1051.7	1059.5	1047.8	1077.2	1071.3	1077.2	1075.2	1077.2	1083.1
45°	757.4	769.1	775.0	776.9	773.0	790.7	804.4	792.7	794.6	790.7	798.6
47.5°	547.4	549.4	545.4	557.3	547.4	555.3	559.2	561.2	549.4	547.4	555.3
50°	374.8	384.6	370.9	376.7	374.8	382.5	378.6	380.6	368.9	374.8	370.9
52.5°	249.2	247.2	243.3	245.3	241.4	241.4	241.4	245.3	237.4	233.5	229.6
55°	151.1	147.1	139.3	137.3	137.3	139.3	135.4	131.5	131.5	129.5	129.5
57.5°	88.3	82.4	78.5	76.6	72.6	70.6	68.6	68.6	64.7	64.7	64.7
60°	49.1	43.2	39.2	35.3	35.3	33.3	31.4	29.4	29.4	29.4	27.4
62.5°	25.5	21.6	17.7	15.8	15.8	13.7	11.8	11.8	11.8	11.8	9.8
65°	17.7	13.7	11.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	13.7	11.8	9.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9
70°	11.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
72.5°	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
75°	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
80°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P844400

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3	2052.3
2.5°	2083.7	2081.7	2083.7	2087.7	2079.7	2103.3	2091.6	2103.3
5°	2128.9	2130.8	2132.8	2138.6	2128.9	2158.3	2142.6	2160.2
7.5°	2187.7	2189.6	2191.6	2197.6	2191.6	2221.0	2203.5	2219.0
10°	2248.5	2252.4	2252.4	2262.3	2256.4	2283.9	2272.1	2291.7
12.5°	2305.4	2309.3	2313.4	2319.2	2315.3	2344.7	2334.8	2350.6
15°	2350.6	2358.4	2360.3	2368.1	2364.2	2395.6	2383.9	2399.6
17.5°	2372.2	2380.0	2380.0	2389.8	2385.9	2419.2	2403.5	2421.2
20°	2360.3	2366.2	2368.1	2378.1	2374.1	2407.5	2391.7	2413.3
22.5°	2323.1	2325.0	2327.0	2336.8	2334.8	2364.2	2350.6	2364.2
25°	2254.3	2260.3	2258.4	2266.2	2266.2	2289.7	2274.0	2285.8
27.5°	2156.3	2162.2	2162.2	2172.1	2164.1	2187.7	2172.1	2189.6
30°	2036.6	2042.5	2038.6	2046.4	2038.6	2062.2	2050.3	2056.3
32.5°	1893.4	1893.4	1895.3	1897.3	1893.4	1915.0	1903.2	1915.0
35°	1722.7	1726.6	1728.6	1730.6	1726.6	1742.3	1728.6	1736.4
37.5°	1530.4	1540.2	1538.2	1540.2	1534.3	1554.0	1542.1	1546.2
40°	1324.4	1324.4	1322.4	1326.4	1320.5	1336.2	1328.3	1332.2
42.5°	1085.0	1090.9	1083.1	1092.9	1077.2	1098.8	1090.9	1085.0
45°	814.3	806.4	804.4	806.4	800.5	802.5	808.3	804.4
47.5°	555.3	555.3	551.3	545.4	553.4	555.3	547.4	547.4
50°	372.8	372.8	368.9	366.9	370.9	368.9	365.0	370.9
52.5°	237.4	229.6	229.6	233.5	229.6	225.7	231.5	227.6
55°	129.5	125.5	125.5	129.5	125.5	125.5	123.6	127.6
57.5°	62.7	64.7	62.7	62.7	62.7	62.7	60.8	62.7
60°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
62.5°	11.8	11.8	9.8	9.8	9.8	9.8	9.8	9.8
65°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	5.9	5.9	5.9	5.9	5.9	7.8	5.9	5.9
70°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
72.5°	5.9	5.9	7.8	7.8	7.8	7.8	7.8	7.8
75°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)