

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: P844383

Luminaire Tested: **LD6C35DE010B2750 EU6C35B30 6LBSWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844383
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 EU6C35B30 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

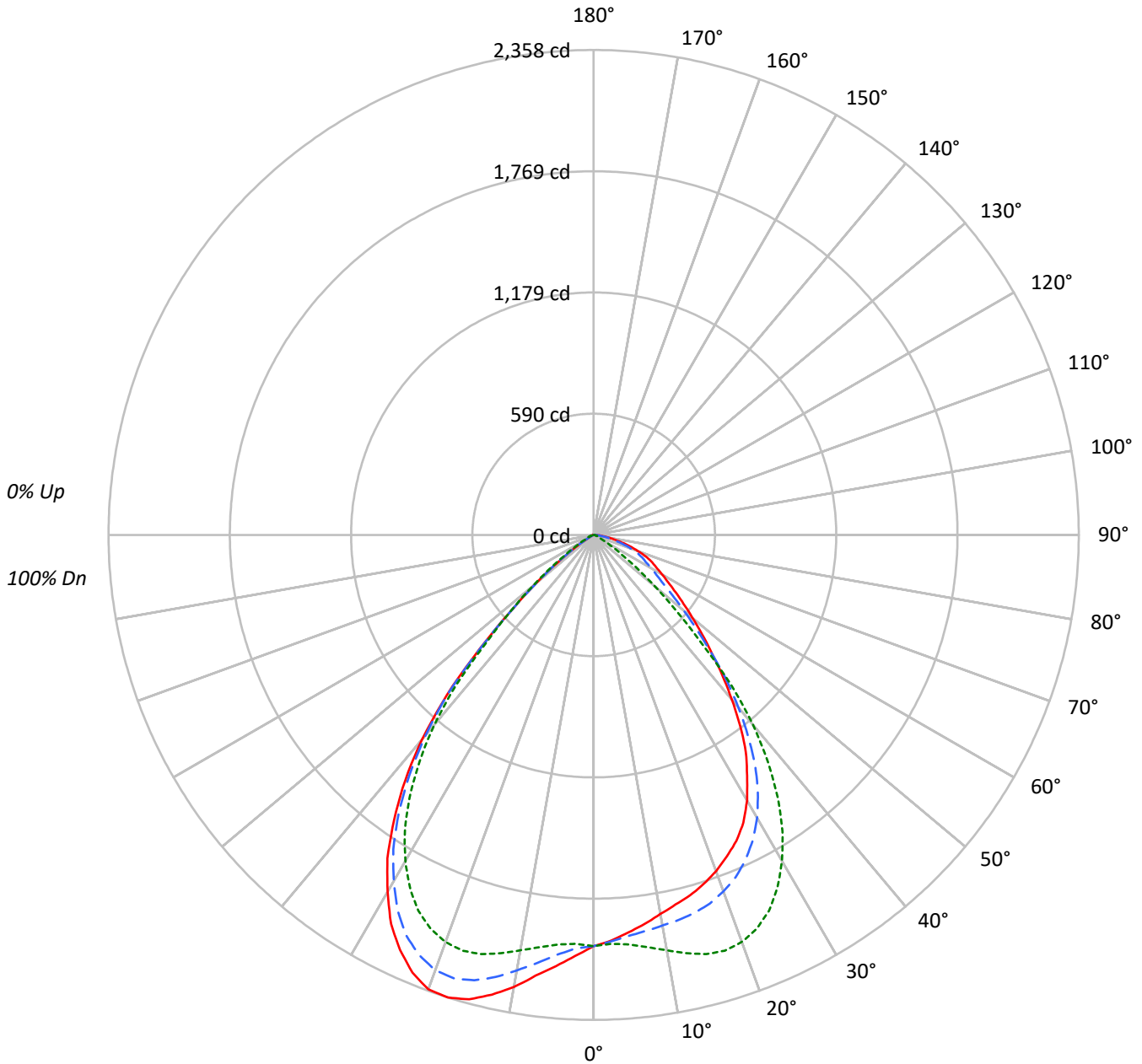
Lumens per Lamp: N/A
Luminaire Lumens: 3654.1 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	109591	109591	109591
5°	106746	110010	115793
10°	104156	114148	124257
15°	102935	119751	132657
20°	101462	122872	137136
25°	99308	121961	134675
30°	94363	115904	126785
35°	86331	104494	113194
40°	74676	86297	92860
45°	62976	56603	60750
50°	53465	32758	30813
55°	46402	15713	11871
60°	41905	7324	2938
65°	40653	4216	986
70°	36448	3366	914
75°	29950	2436	402
80°	22288	1200	0
85°	19247	0	0



TEST NUMBER: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	5.3
10°-20°	588.5	16.1
20°-30°	899.1	24.6
30°-40°	940.4	25.7
40°-50°	610.1	16.7
50°-60°	242.2	6.6
60°-70°	114.9	3.1
70°-80°	54.6	1.5
80°-90°	11.1	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°	1680.7	46.0
0°-40°	2621.1	71.7
0°-60°	3473.4	95.1
0°-90°	3654.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3654.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1999	1999	1999	1999	1999	
5°	1940	1957	1999	2049	2104	183
15°	1814	1902	2110	2242	2337	511
25°	1642	1745	2016	2152	2226	752
35°	1290	1368	1561	1653	1691	798
45°	812	805	730	774	784	632
55°	486	413	164	128	124	440
65°	313	260	32	8	8	306
75°	141	115	12	4	2	153
85°	31	19	0	0	0	36
90°	0	0	0	0	0	



TEST NUMBER: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	1974.3	1978.1	1957.0	1951.3	1966.7	1972.3	1974.3	1968.5	1970.5	1978.1	1978.1
5°	1939.8	1943.6	1924.6	1918.8	1934.1	1938.0	1943.6	1941.8	1947.5	1958.9	1957.0
7.5°	1907.3	1913.2	1892.1	1884.5	1903.5	1913.2	1917.0	1917.0	1924.6	1939.8	1941.8
10°	1871.1	1878.7	1859.6	1855.7	1876.8	1886.3	1888.3	1892.1	1903.5	1924.6	1928.4
12.5°	1840.5	1848.1	1834.8	1829.0	1851.9	1861.4	1865.2	1873.0	1886.3	1913.2	1917.0
15°	1813.7	1819.4	1804.1	1800.3	1823.3	1834.8	1836.6	1848.1	1865.2	1895.9	1901.6
17.5°	1779.3	1783.1	1771.6	1767.8	1790.8	1802.2	1804.1	1817.5	1838.6	1869.2	1878.7
20°	1739.2	1743.0	1731.6	1727.8	1750.6	1764.0	1765.9	1777.5	1802.2	1834.8	1844.3
22.5°	1691.4	1699.1	1685.7	1681.8	1704.8	1716.2	1721.9	1731.6	1756.4	1788.9	1802.2
25°	1641.8	1641.8	1632.1	1630.2	1651.3	1664.6	1662.7	1676.0	1700.9	1733.5	1744.9
27.5°	1576.7	1574.8	1565.2	1563.4	1586.2	1597.8	1593.9	1607.3	1630.2	1662.7	1674.2
30°	1490.7	1494.5	1481.2	1477.3	1496.4	1515.6	1513.7	1527.0	1550.0	1580.5	1588.2
32.5°	1387.5	1391.3	1389.4	1383.7	1400.8	1410.5	1416.2	1425.7	1444.8	1477.3	1485.0
35°	1290.0	1284.3	1276.7	1276.7	1293.8	1309.1	1303.4	1314.9	1334.0	1366.5	1368.4
37.5°	1169.6	1167.7	1163.9	1160.1	1179.2	1183.0	1185.0	1192.6	1209.8	1236.5	1232.7
40°	1043.5	1045.4	1043.5	1035.8	1047.3	1062.6	1060.7	1064.5	1079.7	1098.9	1093.2
42.5°	925.0	925.0	925.0	917.4	930.7	938.4	942.2	940.2	944.0	961.3	953.7
45°	812.3	814.2	812.3	810.4	812.3	816.1	812.3	810.4	810.4	816.1	804.6
47.5°	714.9	714.9	709.0	703.3	709.0	710.9	705.2	699.5	697.6	695.7	676.6
50°	626.9	625.0	623.1	613.5	619.2	621.1	613.5	609.6	602.0	592.5	569.5
52.5°	550.5	548.5	546.6	537.1	540.9	542.8	535.2	527.4	517.9	510.3	481.6
55°	485.5	483.6	483.6	477.8	473.9	477.8	470.1	464.4	451.1	441.5	412.8
57.5°	430.0	430.0	426.2	420.4	422.4	422.4	414.8	407.1	395.6	384.1	361.3
60°	382.2	382.2	382.2	376.5	376.5	376.5	372.7	365.1	355.5	344.0	321.1
62.5°	344.0	344.0	342.0	336.4	338.2	338.2	334.4	326.8	317.3	309.6	286.7
65°	313.4	313.4	313.4	307.8	307.8	309.6	305.8	298.1	290.5	280.9	259.9
67.5°	275.2	273.3	273.3	269.5	271.4	273.3	269.5	263.8	254.3	248.4	229.4
70°	227.4	229.4	231.2	225.6	227.4	227.4	225.6	219.8	214.1	208.4	191.1
72.5°	185.4	185.4	183.5	181.6	181.6	183.5	179.7	173.9	170.1	166.3	152.8
75°	141.4	139.5	141.4	137.6	137.6	137.6	133.8	131.9	130.0	124.2	114.6
77.5°	103.2	101.3	101.3	97.5	99.4	99.4	97.5	93.7	89.8	87.9	80.3
80°	70.6	70.6	70.6	68.9	68.9	66.8	66.8	65.0	61.1	59.2	55.4
82.5°	47.8	47.8	47.8	45.9	45.9	45.9	44.0	42.0	40.2	38.2	34.4
85°	30.6	30.6	30.6	28.7	28.7	28.7	26.8	26.8	24.9	23.0	19.1
87.5°	17.1	17.1	17.1	15.3	15.3	15.3	15.3	15.3	13.3	11.5	9.5
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: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	1991.4	1964.7	1981.9	1981.9	1976.2	1991.4	2001.0	2008.7	2006.8	1989.5	1987.6
5°	1976.2	1953.2	1972.3	1974.3	1968.5	1989.5	2002.9	2012.5	2014.4	1999.1	2001.0
7.5°	1964.7	1945.6	1970.5	1978.1	1976.2	1995.3	2010.6	2025.8	2033.5	2022.0	2024.0
10°	1958.9	1943.6	1970.5	1981.9	1983.8	2004.9	2027.8	2048.8	2058.4	2050.6	2056.5
12.5°	1951.3	1941.8	1972.3	1989.5	1997.1	2018.2	2046.8	2071.7	2087.0	2083.2	2094.6
15°	1943.6	1936.0	1972.3	1997.1	2006.8	2025.8	2058.4	2094.6	2111.9	2110.0	2125.2
17.5°	1924.6	1922.7	1960.9	1987.6	2001.0	2024.0	2054.5	2098.5	2115.7	2119.5	2138.6
20°	1894.0	1894.0	1936.0	1964.7	1980.0	2001.0	2039.2	2081.3	2102.4	2106.2	2127.2
22.5°	1851.9	1855.7	1895.9	1924.6	1947.5	1962.8	2002.9	2046.8	2066.0	2071.7	2094.6
25°	1796.5	1800.3	1838.6	1867.3	1892.1	1909.2	1947.5	1987.6	2010.6	2016.3	2033.5
27.5°	1723.9	1731.6	1767.8	1796.5	1817.5	1829.0	1869.2	1911.1	1928.4	1934.1	1951.3
30°	1639.8	1641.8	1678.0	1702.9	1723.9	1733.5	1767.8	1811.8	1825.2	1831.0	1855.7
32.5°	1536.5	1534.7	1569.1	1592.1	1609.2	1620.7	1657.0	1685.7	1699.1	1708.6	1721.9
35°	1412.4	1410.5	1435.3	1462.1	1475.4	1479.2	1515.6	1546.2	1553.8	1561.4	1578.6
37.5°	1272.9	1272.9	1293.8	1307.2	1322.5	1328.3	1345.5	1379.9	1393.2	1391.3	1404.6
40°	1125.6	1118.0	1133.3	1146.7	1150.5	1152.4	1169.6	1196.4	1205.9	1205.9	1215.4
42.5°	970.9	959.4	961.3	968.9	972.7	959.4	970.9	988.0	982.3	989.9	992.0
45°	806.6	789.3	781.7	764.5	768.4	754.9	747.3	751.1	749.2	730.1	733.9
47.5°	672.8	642.2	628.8	604.0	598.2	583.0	573.3	556.1	540.9	540.9	531.2
50°	560.0	529.5	502.6	473.9	464.4	451.1	430.0	407.1	395.6	384.1	374.6
52.5°	470.1	437.6	405.2	374.6	361.3	344.0	315.4	292.4	271.4	259.9	248.4
55°	397.6	361.3	326.8	294.3	277.1	259.9	231.2	204.5	179.7	164.4	154.8
57.5°	342.0	307.8	271.4	237.0	221.7	202.5	172.1	143.3	120.4	103.2	93.7
60°	302.0	267.6	235.1	198.7	183.5	164.4	131.9	105.1	82.2	66.8	55.4
62.5°	267.6	237.0	202.5	170.1	154.8	135.7	105.1	78.4	57.3	42.0	32.5
65°	242.7	212.2	183.5	151.0	137.6	118.6	89.8	65.0	45.9	32.5	23.0
67.5°	214.1	187.3	158.6	131.9	118.6	103.2	76.5	55.4	38.2	26.8	19.1
70°	179.7	158.6	133.8	108.9	99.4	86.0	63.0	45.9	30.6	21.0	15.3
72.5°	143.3	126.2	107.0	87.9	80.3	66.8	51.6	36.4	23.0	15.3	11.5
75°	108.9	95.5	80.3	66.8	59.2	51.6	38.2	26.8	17.1	11.5	7.6
77.5°	74.6	68.9	57.3	45.9	42.0	36.4	24.9	17.1	11.5	7.6	3.8
80°	51.6	45.9	38.2	30.6	26.8	23.0	15.3	11.5	5.7	3.8	1.9
82.5°	32.5	26.8	23.0	19.1	17.1	13.3	9.5	5.7	3.8	1.9	1.9
85°	17.1	15.3	13.3	9.5	9.5	7.6	5.7	3.8	1.9	0.0	0.0
87.5°	9.5	7.6	5.7	3.8	3.8	1.9	1.9	1.9	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: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	2010.6	2010.6	2008.7	2031.6	2004.9	2031.6	2018.2	2031.6	2012.5	2010.6	2012.5
5°	2025.8	2031.6	2033.5	2054.5	2029.7	2062.2	2050.6	2062.2	2048.8	2052.7	2058.4
7.5°	2056.5	2066.0	2064.1	2090.8	2066.0	2102.4	2094.6	2111.9	2098.5	2102.4	2110.0
10°	2090.8	2102.4	2104.2	2131.0	2108.0	2152.0	2142.4	2161.5	2150.1	2155.9	2165.4
12.5°	2131.0	2144.4	2146.3	2176.8	2152.0	2197.9	2192.2	2211.2	2201.7	2207.4	2218.9
15°	2161.5	2180.6	2184.5	2215.0	2188.3	2236.0	2232.2	2257.1	2241.9	2251.4	2260.9
17.5°	2176.8	2194.1	2201.7	2230.3	2207.4	2255.2	2251.4	2272.4	2260.9	2270.5	2282.0
20°	2167.3	2188.3	2194.1	2222.7	2199.8	2247.6	2241.9	2262.9	2251.4	2259.0	2270.5
22.5°	2132.8	2153.9	2161.5	2188.3	2167.3	2211.2	2209.4	2228.4	2213.2	2222.7	2232.2
25°	2071.7	2094.6	2098.5	2123.3	2100.4	2146.3	2142.4	2163.5	2152.0	2157.7	2171.1
27.5°	1983.8	2010.6	2016.3	2037.3	2020.2	2058.4	2058.4	2075.5	2062.2	2062.2	2075.5
30°	1878.7	1905.4	1909.2	1926.5	1911.1	1945.6	1947.5	1964.7	1943.6	1955.1	1957.0
32.5°	1750.6	1767.8	1779.3	1794.6	1771.6	1815.6	1809.9	1823.3	1811.8	1811.8	1821.4
35°	1595.9	1616.9	1622.6	1641.8	1622.6	1657.0	1657.0	1664.6	1653.2	1653.2	1668.4
37.5°	1427.7	1442.9	1444.8	1464.0	1448.6	1477.3	1475.4	1481.2	1469.7	1477.3	1477.3
40°	1230.8	1242.3	1246.1	1255.6	1253.7	1274.8	1272.9	1276.7	1271.0	1272.9	1276.7
42.5°	1001.5	1016.7	1024.4	1032.0	1020.6	1049.3	1043.5	1049.3	1047.3	1049.3	1055.0
45°	737.7	749.2	754.9	756.8	753.0	770.2	783.6	772.2	774.0	770.2	777.9
47.5°	533.3	535.2	531.2	542.8	533.3	540.9	544.7	546.6	535.2	533.3	540.9
50°	365.1	374.6	361.3	366.9	365.1	372.7	368.9	370.8	359.3	365.1	361.3
52.5°	242.7	240.8	237.0	238.9	235.1	235.1	235.1	238.9	231.2	227.4	223.6
55°	147.2	143.3	135.7	133.8	133.8	135.7	131.9	128.1	128.1	126.2	126.2
57.5°	86.0	80.3	76.5	74.6	70.6	68.9	66.8	66.8	63.0	63.0	63.0
60°	47.8	42.0	38.2	34.4	34.4	32.5	30.6	28.7	28.7	28.7	26.8
62.5°	24.9	21.0	17.1	15.3	15.3	13.3	11.5	11.5	11.5	11.5	9.5
65°	17.1	13.3	11.5	9.5	9.5	7.6	7.6	7.6	7.6	7.6	7.6
67.5°	13.3	11.5	9.5	7.6	7.6	7.6	5.7	5.7	5.7	5.7	5.7
70°	11.5	7.6	7.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
72.5°	7.6	7.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
75°	5.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
80°	1.9	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: P844383

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	2029.7	2027.8	2029.7	2033.5	2025.8	2048.8	2037.3	2048.8
5°	2073.7	2075.5	2077.5	2083.2	2073.7	2102.4	2087.0	2104.2
7.5°	2131.0	2132.8	2134.8	2140.5	2134.8	2163.5	2146.3	2161.5
10°	2190.3	2194.1	2194.1	2203.6	2197.9	2224.6	2213.2	2232.2
12.5°	2245.7	2249.5	2253.3	2259.0	2255.2	2283.9	2274.3	2289.6
15°	2289.6	2297.2	2299.2	2306.8	2303.0	2333.6	2322.0	2337.4
17.5°	2310.6	2318.2	2318.2	2327.9	2324.0	2356.5	2341.2	2358.4
20°	2299.2	2304.9	2306.8	2316.4	2312.5	2345.1	2329.8	2350.7
22.5°	2262.9	2264.7	2266.7	2276.2	2274.3	2303.0	2289.6	2303.0
25°	2196.0	2201.7	2199.8	2207.4	2207.4	2230.3	2215.0	2226.5
27.5°	2100.4	2106.2	2106.2	2115.7	2108.0	2131.0	2115.7	2132.8
30°	1983.8	1989.5	1985.7	1993.3	1985.7	2008.7	1997.1	2002.9
32.5°	1844.3	1844.3	1846.2	1848.1	1844.3	1865.2	1853.8	1865.2
35°	1678.0	1681.8	1683.8	1685.7	1681.8	1697.1	1683.8	1691.4
37.5°	1490.7	1500.3	1498.3	1500.3	1494.5	1513.7	1502.2	1506.1
40°	1290.0	1290.0	1288.1	1292.0	1286.2	1301.5	1293.8	1297.6
42.5°	1056.9	1062.6	1055.0	1064.5	1049.3	1070.2	1062.6	1056.9
45°	793.2	785.5	783.6	785.5	779.8	781.7	787.4	783.6
47.5°	540.9	540.9	537.1	531.2	539.0	540.9	533.3	533.3
50°	363.1	363.1	359.3	357.4	361.3	359.3	355.5	361.3
52.5°	231.2	223.6	223.6	227.4	223.6	219.8	225.6	221.7
55°	126.2	122.4	122.4	126.2	122.4	122.4	120.4	124.2
57.5°	61.1	63.0	61.1	61.1	61.1	61.1	59.2	61.1
60°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
62.5°	11.5	11.5	9.5	9.5	9.5	9.5	9.5	9.5
65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
67.5°	5.7	5.7	5.7	5.7	5.7	7.6	5.7	5.7
70°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
72.5°	5.7	5.7	7.6	7.6	7.6	7.6	7.6	7.6
75°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9
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)