

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: P844366

Luminaire Tested: **LD6C35DE010B2750 EU6C35B27 6LBSWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844366  
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 EU6C35B27 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

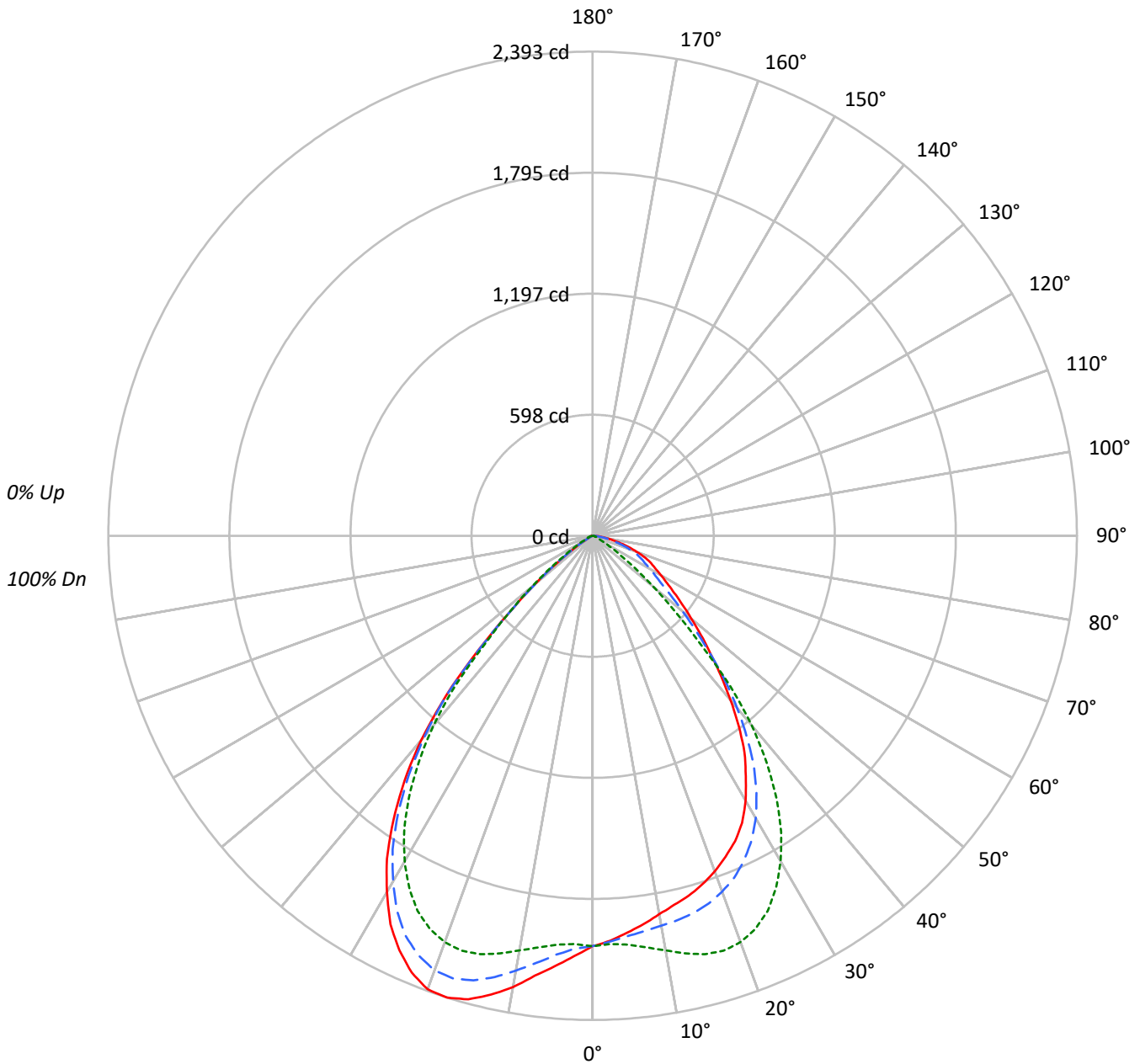
Lumens per Lamp: N/A  
Luminaire Lumens: 3708.1 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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### 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	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°	111208	111208	111208
5°	108326	111633	117505
10°	105693	115835	126094
15°	104456	121516	134609
20°	102956	124687	139160
25°	100772	123757	136665
30°	95755	117607	128659
35°	87602	106033	114860
40°	75778	87571	94241
45°	63906	57440	61642
50°	54258	33244	31265
55°	47081	15942	12052
60°	42519	7445	2971
65°	41250	4281	999
70°	36993	3430	930
75°	30395	2457	424
80°	22635	1231	0
85°	19562	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.9	5.3
10°-20°	597.2	16.1
20°-30°	912.4	24.6
30°-40°	954.3	25.7
40°-50°	619.1	16.7
50°-60°	245.8	6.6
60°-70°	116.6	3.1
70°-80°	55.5	1.5
80°-90°	11.3	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°	1705.5	46.0
0°-40°	2659.8	71.7
0°-60°	3524.7	95.1
0°-90°	3708.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3708.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2029	2029	2029	2029	2029	
5°	1968	1986	2029	2079	2135	186
15°	1840	1930	2141	2275	2372	519
25°	1666	1771	2046	2184	2259	763
35°	1309	1389	1584	1678	1716	810
45°	824	816	741	785	795	641
55°	493	419	167	130	126	446
65°	318	264	33	8	8	311
75°	144	116	12	4	2	155
85°	31	19	0	0	0	36
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°	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6
2.5°	2003.4	2007.3	1985.9	1980.1	1995.6	2001.5	2003.4	1997.6	1999.6	2007.3	2007.3
5°	1968.5	1972.4	1952.9	1947.1	1962.7	1966.6	1972.4	1970.5	1976.3	1987.8	1985.9
7.5°	1935.6	1941.4	1920.0	1912.3	1931.7	1941.4	1945.2	1945.2	1952.9	1968.5	1970.5
10°	1898.7	1906.5	1887.0	1883.1	1904.5	1914.2	1916.1	1920.0	1931.7	1952.9	1956.8
12.5°	1867.7	1875.4	1861.9	1856.0	1879.2	1888.9	1892.8	1900.6	1914.2	1941.4	1945.2
15°	1840.5	1846.3	1830.8	1827.0	1850.1	1861.9	1863.8	1875.4	1892.8	1923.8	1929.7
17.5°	1805.6	1809.4	1797.9	1794.0	1817.2	1828.9	1830.8	1844.3	1865.7	1896.8	1906.5
20°	1764.8	1768.8	1757.0	1753.2	1776.5	1790.0	1791.9	1803.7	1828.9	1861.9	1871.5
22.5°	1716.3	1724.2	1710.6	1706.6	1730.0	1741.6	1747.4	1757.0	1782.3	1815.2	1828.9
25°	1666.0	1666.0	1656.3	1654.4	1675.7	1689.3	1687.2	1700.8	1726.1	1759.1	1770.7
27.5°	1600.0	1598.0	1588.4	1586.5	1609.7	1621.4	1617.4	1631.1	1654.4	1687.2	1698.9
30°	1512.7	1516.6	1503.0	1499.1	1518.6	1538.0	1536.0	1549.5	1572.8	1603.9	1611.6
32.5°	1408.0	1411.8	1409.9	1404.1	1421.6	1431.3	1437.1	1446.7	1466.2	1499.1	1506.9
35°	1309.0	1303.2	1295.5	1295.5	1312.9	1328.5	1322.7	1334.3	1353.7	1386.7	1388.6
37.5°	1186.9	1185.0	1181.1	1177.3	1196.6	1200.5	1202.4	1210.1	1227.7	1254.8	1250.9
40°	1058.9	1060.8	1058.9	1051.1	1062.8	1078.3	1076.4	1080.3	1095.7	1115.1	1109.4
42.5°	938.6	938.6	938.6	930.9	944.5	952.3	956.1	954.2	958.0	975.6	967.7
45°	824.3	826.1	824.3	822.3	824.3	828.1	824.3	822.3	822.3	828.1	816.5
47.5°	725.3	725.3	719.5	713.7	719.5	721.4	715.7	709.9	707.9	706.0	686.6
50°	636.2	634.2	632.3	622.6	628.3	630.3	622.6	618.6	610.9	601.3	578.0
52.5°	558.5	556.6	554.6	545.0	548.9	550.8	543.1	535.3	525.5	517.8	488.7
55°	492.6	490.6	490.6	484.9	480.9	484.9	477.1	471.3	457.7	448.0	418.9
57.5°	436.4	436.4	432.5	426.6	428.7	428.7	420.8	413.1	401.4	389.8	366.6
60°	387.8	387.8	387.8	382.0	382.0	382.0	378.2	370.5	360.8	349.1	325.9
62.5°	349.1	349.1	347.1	341.4	343.2	343.2	339.4	331.7	321.9	314.1	291.0
65°	318.0	318.0	318.0	312.3	312.3	314.1	310.3	302.6	294.8	285.0	263.8
67.5°	279.2	277.3	277.3	273.4	275.4	277.3	273.4	267.7	258.0	252.1	232.8
70°	230.8	232.8	234.7	228.9	230.8	230.8	228.9	223.1	217.2	211.4	194.0
72.5°	188.2	188.2	186.1	184.2	184.2	186.1	182.3	176.5	172.6	168.8	155.2
75°	143.5	141.5	143.5	139.7	139.7	139.7	135.7	133.8	131.9	126.1	116.3
77.5°	104.7	102.8	102.8	98.9	100.9	100.9	98.9	95.1	91.2	89.3	81.4
80°	71.7	71.7	71.7	69.8	69.8	67.9	67.9	66.0	62.1	60.2	56.3
82.5°	48.4	48.4	48.4	46.5	46.5	46.5	44.6	42.6	40.7	38.8	34.9
85°	31.1	31.1	31.1	29.1	29.1	29.1	27.1	27.1	25.2	23.3	19.4
87.5°	17.5	17.5	17.5	15.5	15.5	15.5	15.5	15.5	13.5	11.6	9.7
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°	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6
2.5°	2020.8	1993.7	2011.1	2011.1	2005.4	2020.8	2030.6	2038.3	2036.4	2018.9	2016.9
5°	2005.4	1982.0	2001.5	2003.4	1997.6	2018.9	2032.5	2042.2	2044.1	2028.6	2030.6
7.5°	1993.7	1974.3	1999.6	2007.3	2005.4	2024.7	2040.3	2055.7	2063.5	2051.8	2053.8
10°	1987.8	1972.4	1999.6	2011.1	2013.1	2034.5	2057.7	2079.1	2088.7	2080.9	2086.8
12.5°	1980.1	1970.5	2001.5	2018.9	2026.6	2048.0	2077.1	2102.3	2117.8	2114.0	2125.5
15°	1972.4	1964.7	2001.5	2026.6	2036.4	2055.7	2088.7	2125.5	2143.1	2141.1	2156.6
17.5°	1952.9	1951.0	1989.8	2016.9	2030.6	2053.8	2084.8	2129.4	2146.9	2150.8	2170.2
20°	1921.9	1921.9	1964.7	1993.7	2009.2	2030.6	2069.4	2112.0	2133.4	2137.3	2158.5
22.5°	1879.2	1883.1	1923.8	1952.9	1976.3	1991.7	2032.5	2077.1	2096.4	2102.3	2125.5
25°	1823.0	1827.0	1865.7	1894.8	1920.0	1937.4	1976.3	2016.9	2040.3	2046.0	2063.5
27.5°	1749.3	1757.0	1794.0	1823.0	1844.3	1856.0	1896.8	1939.4	1956.8	1962.7	1980.1
30°	1664.0	1666.0	1702.8	1728.0	1749.3	1759.1	1794.0	1838.6	1852.1	1857.9	1883.1
32.5°	1559.3	1557.4	1592.3	1615.5	1633.0	1644.6	1681.4	1710.6	1724.2	1733.8	1747.4
35°	1433.2	1431.3	1456.5	1483.6	1497.2	1501.1	1538.0	1569.0	1576.7	1584.4	1602.0
37.5°	1291.7	1291.7	1312.9	1326.6	1342.0	1347.8	1365.4	1400.3	1413.8	1411.8	1425.4
40°	1142.4	1134.6	1150.1	1163.7	1167.5	1169.4	1186.9	1214.1	1223.7	1223.7	1233.4
42.5°	985.2	973.6	975.6	983.3	987.1	973.6	985.2	1002.6	996.8	1004.6	1006.5
45°	818.4	800.9	793.2	775.8	779.7	766.0	758.3	762.1	760.2	740.9	744.8
47.5°	682.6	651.7	638.1	612.9	607.1	591.5	581.8	564.4	548.9	548.9	539.1
50°	568.3	537.2	510.0	480.9	471.3	457.7	436.4	413.1	401.4	389.8	380.1
52.5°	477.1	444.1	411.1	380.1	366.6	349.1	320.0	296.8	275.4	263.8	252.1
55°	403.4	366.6	331.7	298.7	281.2	263.8	234.7	207.5	182.3	166.8	157.1
57.5°	347.1	312.3	275.4	240.5	225.0	205.6	174.6	145.4	122.2	104.7	95.1
60°	306.4	271.5	238.6	201.7	186.1	166.8	133.8	106.6	83.3	67.9	56.3
62.5°	271.5	240.5	205.6	172.6	157.1	137.7	106.6	79.5	58.2	42.6	33.0
65°	246.3	215.2	186.1	153.3	139.7	120.3	91.2	66.0	46.5	33.0	23.3
67.5°	217.2	190.1	161.0	133.8	120.3	104.7	77.5	56.3	38.8	27.1	19.4
70°	182.3	161.0	135.7	110.6	100.9	87.3	64.0	46.5	31.1	21.4	15.5
72.5°	145.4	128.0	108.6	89.3	81.4	67.9	52.4	36.9	23.3	15.5	11.6
75°	110.6	97.0	81.4	67.9	60.2	52.4	38.8	27.1	17.5	11.6	7.7
77.5°	75.6	69.8	58.2	46.5	42.6	36.9	25.2	17.5	11.6	7.7	3.9
80°	52.4	46.5	38.8	31.1	27.1	23.3	15.5	11.6	5.8	3.9	2.0
82.5°	33.0	27.1	23.3	19.4	17.5	13.5	9.7	5.8	3.9	2.0	2.0
85°	17.5	15.5	13.5	9.7	9.7	7.7	5.8	3.9	2.0	0.0	0.0
87.5°	9.7	7.7	5.8	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6
2.5°	2040.3	2040.3	2038.3	2061.5	2034.5	2061.5	2048.0	2061.5	2042.2	2040.3	2042.2
5°	2055.7	2061.5	2063.5	2084.8	2059.6	2092.6	2080.9	2092.6	2079.1	2082.9	2088.7
7.5°	2086.8	2096.4	2094.5	2121.7	2096.4	2133.4	2125.5	2143.1	2129.4	2133.4	2141.1
10°	2121.7	2133.4	2135.3	2162.4	2139.1	2183.7	2174.1	2193.4	2181.8	2187.6	2197.3
12.5°	2162.4	2176.0	2178.0	2209.0	2183.7	2230.3	2224.5	2243.9	2234.1	2240.0	2251.7
15°	2193.4	2212.8	2216.7	2247.7	2220.6	2269.0	2265.2	2290.4	2274.9	2284.6	2294.3
17.5°	2209.0	2226.4	2234.1	2263.2	2240.0	2288.5	2284.6	2306.0	2294.3	2303.9	2315.7
20°	2199.2	2220.6	2226.4	2255.5	2232.2	2280.8	2274.9	2296.2	2284.6	2292.3	2303.9
22.5°	2164.3	2185.7	2193.4	2220.6	2199.2	2243.9	2242.0	2261.3	2245.8	2255.5	2265.2
25°	2102.3	2125.5	2129.4	2154.6	2131.3	2178.0	2174.1	2195.4	2183.7	2189.5	2203.2
27.5°	2013.1	2040.3	2046.0	2067.4	2050.0	2088.7	2088.7	2106.2	2092.6	2092.6	2106.2
30°	1906.5	1933.6	1937.4	1954.9	1939.4	1974.3	1976.3	1993.7	1972.4	1984.0	1985.9
32.5°	1776.5	1794.0	1805.6	1821.0	1797.9	1842.4	1836.6	1850.1	1838.6	1838.6	1848.3
35°	1619.3	1640.7	1646.6	1666.0	1646.6	1681.4	1681.4	1689.3	1677.5	1677.5	1693.1
37.5°	1448.7	1464.3	1466.2	1485.6	1470.0	1499.1	1497.2	1503.0	1491.4	1499.1	1499.1
40°	1249.0	1260.6	1264.5	1274.1	1272.2	1293.6	1291.7	1295.5	1289.7	1291.7	1295.5
42.5°	1016.3	1031.7	1039.5	1047.3	1035.6	1064.7	1058.9	1064.7	1062.8	1064.7	1070.5
45°	748.6	760.2	766.0	767.9	764.1	781.6	795.1	783.5	785.4	781.6	789.3
47.5°	541.1	543.1	539.1	550.8	541.1	548.9	552.7	554.6	543.1	541.1	548.9
50°	370.5	380.1	366.6	372.3	370.5	378.2	374.3	376.3	364.6	370.5	366.6
52.5°	246.3	244.3	240.5	242.4	238.6	238.6	238.6	242.4	234.7	230.8	227.0
55°	149.3	145.4	137.7	135.7	135.7	137.7	133.8	130.0	130.0	128.0	128.0
57.5°	87.3	81.4	77.5	75.6	71.7	69.8	67.9	67.9	64.0	64.0	64.0
60°	48.4	42.6	38.8	34.9	34.9	33.0	31.1	29.1	29.1	29.1	27.1
62.5°	25.2	21.4	17.5	15.5	15.5	13.5	11.6	11.6	11.6	11.6	9.7
65°	17.5	13.5	11.6	9.7	9.7	7.7	7.7	7.7	7.7	7.7	7.7
67.5°	13.5	11.6	9.7	7.7	7.7	7.7	5.8	5.8	5.8	5.8	5.8
70°	11.6	7.7	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
72.5°	7.7	7.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
75°	5.8	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: P844366

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6
2.5°	2059.6	2057.7	2059.6	2063.5	2055.7	2079.1	2067.4	2079.1
5°	2104.3	2106.2	2108.2	2114.0	2104.3	2133.4	2117.8	2135.3
7.5°	2162.4	2164.3	2166.4	2172.2	2166.4	2195.4	2178.0	2193.4
10°	2222.6	2226.4	2226.4	2236.2	2230.3	2257.4	2245.8	2265.2
12.5°	2278.8	2282.7	2286.6	2292.3	2288.5	2317.6	2307.9	2323.4
15°	2323.4	2331.1	2333.0	2340.9	2336.9	2368.0	2356.3	2371.8
17.5°	2344.8	2352.5	2352.5	2362.1	2358.3	2391.2	2375.8	2393.2
20°	2333.0	2339.0	2340.9	2350.6	2346.7	2379.7	2364.1	2385.4
22.5°	2296.2	2298.1	2300.1	2309.9	2307.9	2336.9	2323.4	2336.9
25°	2228.3	2234.1	2232.2	2240.0	2240.0	2263.2	2247.7	2259.4
27.5°	2131.3	2137.3	2137.3	2146.9	2139.1	2162.4	2146.9	2164.3
30°	2013.1	2018.9	2015.0	2022.8	2015.0	2038.3	2026.6	2032.5
32.5°	1871.5	1871.5	1873.4	1875.4	1871.5	1892.8	1881.2	1892.8
35°	1702.8	1706.6	1708.6	1710.6	1706.6	1722.1	1708.6	1716.3
37.5°	1512.7	1522.5	1520.5	1522.5	1516.6	1536.0	1524.4	1528.3
40°	1309.0	1309.0	1307.1	1311.0	1305.2	1320.8	1312.9	1316.9
42.5°	1072.4	1078.3	1070.5	1080.3	1064.7	1086.1	1078.3	1072.4
45°	804.9	797.0	795.1	797.0	791.2	793.2	799.0	795.1
47.5°	548.9	548.9	545.0	539.1	546.9	548.9	541.1	541.1
50°	368.5	368.5	364.6	362.7	366.6	364.6	360.8	366.6
52.5°	234.7	227.0	227.0	230.8	227.0	223.1	228.9	225.0
55°	128.0	124.2	124.2	128.0	124.2	124.2	122.2	126.1
57.5°	62.1	64.0	62.1	62.1	62.1	62.1	60.2	62.1
60°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
62.5°	11.6	11.6	9.7	9.7	9.7	9.7	9.7	9.7
65°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
67.5°	5.8	5.8	5.8	5.8	5.8	7.7	5.8	5.8
70°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
72.5°	5.8	5.8	7.7	7.7	7.7	7.7	7.7	7.7
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)