

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: P844434

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBSWLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844434  
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: LD6C35DE010B50 EU6C35B50 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

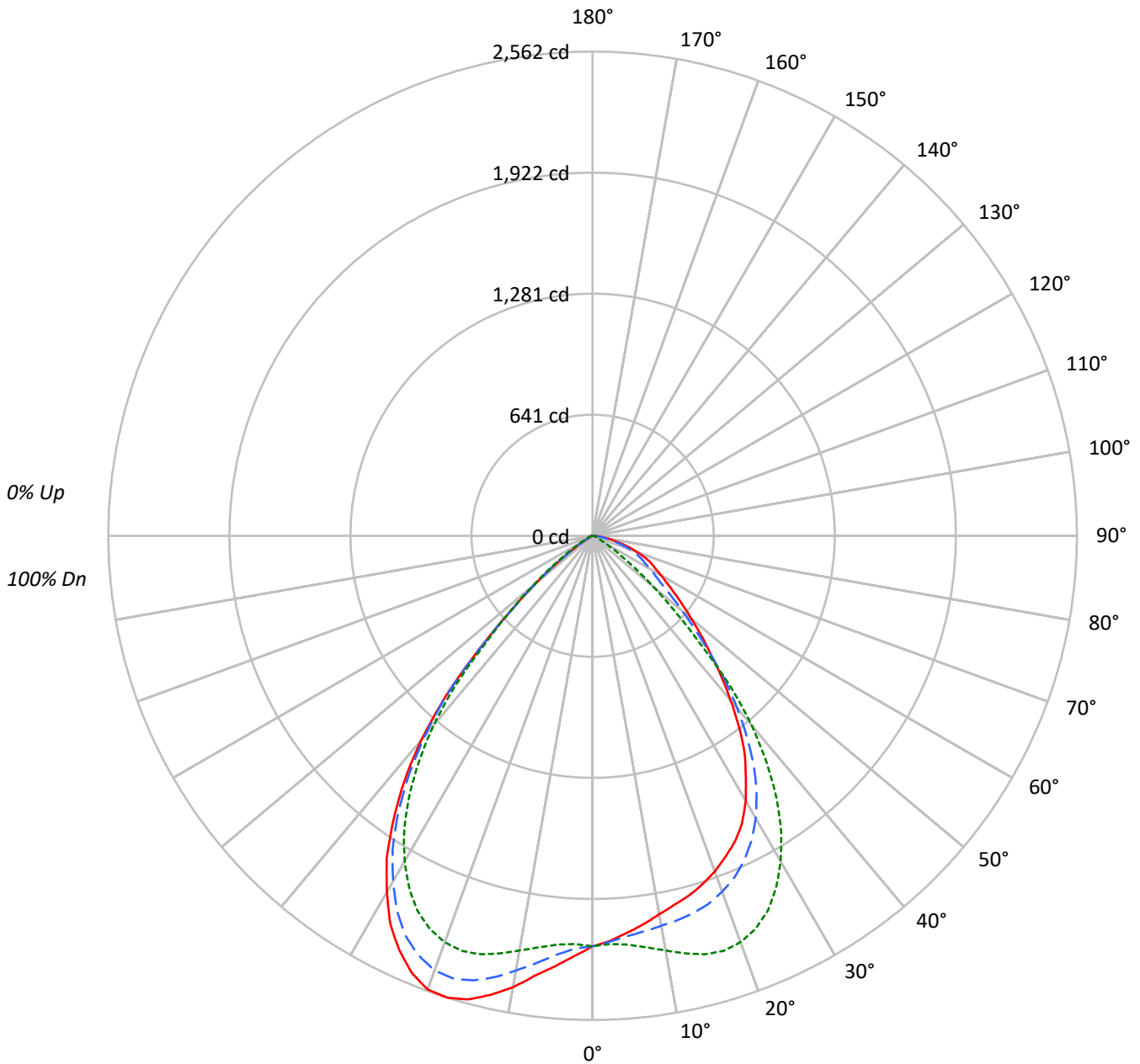
Lumens per Lamp: N/A  
Luminaire Lumens: 3970.3 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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	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°	119075	119075	119075
5°	115991	119530	125814
10°	113169	124029	135018
15°	111845	130109	144132
20°	110242	133502	149008
25°	107897	132516	146331
30°	102535	125931	137762
35°	93806	113542	122985
40°	81138	93769	100896
45°	68426	61503	66007
50°	58088	35598	33474
55°	50407	17060	12903
60°	45534	7971	3191
65°	44181	4579	1064
70°	39606	3654	994
75°	32555	2648	445
80°	24246	1294	0
85°	20882	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.8	5.3
10°-20°	639.4	16.1
20°-30°	977.0	24.6
30°-40°	1021.8	25.7
40°-50°	662.9	16.7
50°-60°	263.2	6.6
60°-70°	124.8	3.1
70°-80°	59.4	1.5
80°-90°	12.1	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°	1826.2	46.0
0°-40°	2848.0	71.7
0°-60°	3774.0	95.1
0°-90°	3970.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3970.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2172	2172	2172	2172	2172	
5°	2108	2126	2172	2226	2286	199
15°	1971	2066	2292	2436	2540	555
25°	1784	1896	2191	2338	2419	817
35°	1402	1487	1697	1796	1838	867
45°	883	874	793	841	851	687
55°	527	448	178	139	135	478
65°	341	282	35	8	8	333
75°	154	125	12	4	2	166
85°	33	21	0	0	0	39
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°	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1
2.5°	2145.1	2149.2	2126.5	2120.2	2136.8	2143.0	2145.1	2138.9	2141.0	2149.2	2149.2
5°	2107.8	2111.9	2091.0	2084.8	2101.5	2105.6	2111.9	2109.9	2116.1	2128.5	2126.5
7.5°	2072.4	2078.7	2055.8	2047.6	2068.3	2078.7	2082.8	2082.8	2091.0	2107.8	2109.9
10°	2033.0	2041.3	2020.5	2016.3	2039.2	2049.6	2051.7	2055.8	2068.3	2091.0	2095.3
12.5°	1999.8	2008.0	1993.5	1987.3	2012.1	2022.5	2026.7	2035.1	2049.6	2078.7	2082.8
15°	1970.7	1976.9	1960.3	1956.1	1981.1	1993.5	1995.5	2008.0	2026.7	2060.0	2066.2
17.5°	1933.2	1937.4	1925.0	1920.9	1945.7	1958.2	1960.3	1974.8	1997.7	2030.9	2041.3
20°	1889.7	1893.9	1881.4	1877.2	1902.2	1916.6	1918.8	1931.2	1958.2	1993.5	2003.9
22.5°	1837.7	1846.1	1831.6	1827.4	1852.3	1864.7	1871.0	1881.4	1908.4	1943.6	1958.2
25°	1783.8	1783.8	1773.4	1771.3	1794.2	1808.7	1806.6	1821.1	1848.1	1883.4	1895.9
27.5°	1713.2	1711.0	1700.7	1698.7	1723.5	1736.0	1731.9	1746.5	1771.3	1806.6	1819.1
30°	1619.8	1623.9	1609.4	1605.2	1626.0	1646.7	1644.6	1659.2	1684.1	1717.3	1725.6
32.5°	1507.6	1511.8	1509.7	1503.4	1522.1	1532.5	1538.8	1549.1	1569.8	1605.2	1613.5
35°	1401.7	1395.4	1387.2	1387.2	1405.8	1422.4	1416.2	1428.7	1449.5	1484.7	1486.8
37.5°	1270.9	1268.7	1264.6	1260.5	1281.2	1285.3	1287.5	1295.8	1314.5	1343.5	1339.4
40°	1133.8	1135.9	1133.8	1125.4	1137.9	1154.6	1152.5	1156.7	1173.2	1194.0	1187.8
42.5°	1005.1	1005.1	1005.1	996.7	1011.3	1019.7	1023.8	1021.7	1025.8	1044.5	1036.2
45°	882.6	884.6	882.6	880.5	882.6	886.7	882.6	880.5	880.5	886.7	874.2
47.5°	776.6	776.6	770.4	764.1	770.4	772.5	766.3	760.0	757.9	755.9	735.2
50°	681.1	679.0	677.0	666.6	672.8	674.9	666.6	662.4	654.1	643.8	618.8
52.5°	598.1	596.0	593.9	583.5	587.7	589.7	581.5	573.1	562.8	554.4	523.3
55°	527.4	525.3	525.3	519.2	515.0	519.2	510.8	504.6	490.1	479.6	448.5
57.5°	467.2	467.2	463.0	456.8	458.9	458.9	450.7	442.3	429.8	417.4	392.5
60°	415.3	415.3	415.3	409.1	409.1	409.1	405.0	396.6	386.2	373.8	348.9
62.5°	373.8	373.8	371.7	365.5	367.5	367.5	363.4	355.2	344.8	336.4	311.5
65°	340.6	340.6	340.6	334.3	334.3	336.4	332.2	324.0	315.6	305.2	282.4
67.5°	299.0	297.0	297.0	292.8	294.9	297.0	292.8	286.6	276.3	270.0	249.2
70°	247.1	249.2	251.2	245.1	247.1	247.1	245.1	238.8	232.6	226.3	207.7
72.5°	201.5	201.5	199.4	197.4	197.4	199.4	195.2	189.0	184.8	180.6	166.0
75°	153.7	151.6	153.7	149.5	149.5	149.5	145.3	143.3	141.2	135.0	124.6
77.5°	112.1	110.1	110.1	105.9	108.0	108.0	105.9	101.7	97.5	95.5	87.1
80°	76.8	76.8	76.8	74.8	74.8	72.7	72.7	70.6	66.4	64.4	60.3
82.5°	51.9	51.9	51.9	49.9	49.9	49.9	47.8	45.7	43.7	41.6	37.3
85°	33.2	33.2	33.2	31.1	31.1	31.1	29.1	29.1	27.0	24.9	20.7
87.5°	18.6	18.6	18.6	16.6	16.6	16.6	16.6	16.6	14.5	12.5	10.4
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°	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1
2.5°	2163.7	2134.7	2153.3	2153.3	2147.2	2163.7	2174.2	2182.5	2180.4	2161.7	2159.6
5°	2147.2	2122.2	2143.0	2145.1	2138.9	2161.7	2176.3	2186.7	2188.8	2172.1	2174.2
7.5°	2134.7	2114.0	2141.0	2149.2	2147.2	2167.9	2184.5	2201.1	2209.5	2197.0	2199.1
10°	2128.5	2111.9	2141.0	2153.3	2155.5	2178.3	2203.3	2226.1	2236.5	2228.1	2234.4
12.5°	2120.2	2109.9	2143.0	2161.7	2169.9	2192.9	2224.0	2251.0	2267.7	2263.5	2275.9
15°	2111.9	2103.5	2143.0	2169.9	2180.4	2201.1	2236.5	2275.9	2294.6	2292.5	2309.1
17.5°	2091.0	2089.0	2130.6	2159.6	2174.2	2199.1	2232.2	2280.0	2298.8	2302.9	2323.7
20°	2057.9	2057.9	2103.5	2134.7	2151.3	2174.2	2215.7	2261.4	2284.3	2288.4	2311.2
22.5°	2012.1	2016.3	2060.0	2091.0	2116.1	2132.6	2176.3	2224.0	2244.7	2251.0	2275.9
25°	1952.0	1956.1	1997.7	2028.9	2055.8	2074.4	2116.1	2159.6	2184.5	2190.8	2209.5
27.5°	1873.1	1881.4	1920.9	1952.0	1974.8	1987.3	2030.9	2076.6	2095.3	2101.5	2120.2
30°	1781.7	1783.8	1823.3	1850.2	1873.1	1883.4	1920.9	1968.7	1983.2	1989.4	2016.3
32.5°	1669.6	1667.5	1704.9	1729.8	1748.5	1761.0	1800.4	1831.6	1846.1	1856.5	1871.0
35°	1534.6	1532.5	1559.5	1588.6	1603.2	1607.3	1646.7	1679.9	1688.3	1696.6	1715.3
37.5°	1383.1	1383.1	1405.8	1420.4	1437.0	1443.2	1462.0	1499.3	1513.8	1511.8	1526.3
40°	1223.2	1214.8	1231.4	1246.0	1250.1	1252.1	1270.9	1299.9	1310.3	1310.3	1320.7
42.5°	1054.9	1042.4	1044.5	1052.8	1056.9	1042.4	1054.9	1073.6	1067.4	1075.7	1077.7
45°	876.4	857.6	849.3	830.6	834.8	820.2	811.9	816.1	814.1	793.3	797.5
47.5°	730.9	697.7	683.1	656.3	650.0	633.4	622.9	604.2	587.7	587.7	577.3
50°	608.5	575.2	546.1	515.0	504.6	490.1	467.2	442.3	429.8	417.4	407.0
52.5°	510.8	475.5	440.2	407.0	392.5	373.8	342.7	317.7	294.9	282.4	270.0
55°	431.9	392.5	355.2	319.7	301.1	282.4	251.2	222.2	195.2	178.5	168.2
57.5°	371.7	334.3	294.9	257.5	240.8	220.1	186.9	155.7	130.8	112.1	101.7
60°	328.1	290.7	255.4	216.0	199.4	178.5	143.3	114.2	89.3	72.7	60.3
62.5°	290.7	257.5	220.1	184.8	168.2	147.4	114.2	85.1	62.3	45.7	35.3
65°	263.8	230.5	199.4	164.0	149.5	128.8	97.5	70.6	49.9	35.3	24.9
67.5°	232.6	203.5	172.3	143.3	128.8	112.1	83.0	60.3	41.6	29.1	20.7
70°	195.2	172.3	145.3	118.3	108.0	93.4	68.5	49.9	33.2	22.8	16.6
72.5°	155.7	137.1	116.3	95.5	87.1	72.7	56.1	39.4	24.9	16.6	12.5
75°	118.3	103.8	87.1	72.7	64.4	56.1	41.6	29.1	18.6	12.5	8.2
77.5°	81.0	74.8	62.3	49.9	45.7	39.4	27.0	18.6	12.5	8.2	4.1
80°	56.1	49.9	41.6	33.2	29.1	24.9	16.6	12.5	6.2	4.1	2.1
82.5°	35.3	29.1	24.9	20.7	18.6	14.5	10.4	6.2	4.1	2.1	2.1
85°	18.6	16.6	14.5	10.4	10.4	8.2	6.2	4.1	2.1	0.0	0.0
87.5°	10.4	8.2	6.2	4.1	4.1	2.1	2.1	2.1	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°	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1
2.5°	2184.5	2184.5	2182.5	2207.4	2178.3	2207.4	2192.9	2207.4	2186.7	2184.5	2186.7
5°	2201.1	2207.4	2209.5	2232.2	2205.4	2240.6	2228.1	2240.6	2226.1	2230.2	2236.5
7.5°	2234.4	2244.7	2242.7	2271.8	2244.7	2284.3	2275.9	2294.6	2280.0	2284.3	2292.5
10°	2271.8	2284.3	2286.3	2315.4	2290.4	2338.2	2327.9	2348.6	2336.2	2342.4	2352.8
12.5°	2315.4	2330.0	2332.0	2365.2	2338.2	2388.0	2381.8	2402.6	2392.2	2398.4	2411.0
15°	2348.6	2369.3	2373.5	2406.8	2377.7	2429.6	2425.5	2452.4	2435.8	2446.2	2456.6
17.5°	2365.2	2383.9	2392.2	2423.4	2398.4	2450.3	2446.2	2469.0	2456.6	2466.9	2479.4
20°	2354.8	2377.7	2383.9	2415.1	2390.1	2442.1	2435.8	2458.7	2446.2	2454.5	2466.9
22.5°	2317.4	2340.3	2348.6	2377.7	2354.8	2402.6	2400.5	2421.3	2404.7	2415.1	2425.5
25°	2251.0	2275.9	2280.0	2307.0	2282.2	2332.0	2327.9	2350.7	2338.2	2344.5	2358.9
27.5°	2155.5	2184.5	2190.8	2213.6	2195.0	2236.5	2236.5	2255.2	2240.6	2240.6	2255.2
30°	2041.3	2070.3	2074.4	2093.2	2076.6	2114.0	2116.1	2134.7	2111.9	2124.4	2126.5
32.5°	1902.2	1920.9	1933.2	1949.9	1925.0	1972.8	1966.6	1981.1	1968.7	1968.7	1979.0
35°	1733.9	1756.8	1763.1	1783.8	1763.1	1800.4	1800.4	1808.7	1796.2	1796.2	1812.9
37.5°	1551.2	1567.8	1569.8	1590.7	1574.0	1605.2	1603.2	1609.4	1596.9	1605.2	1605.2
40°	1337.3	1349.8	1353.9	1364.3	1362.2	1385.1	1383.1	1387.2	1381.0	1383.1	1387.2
42.5°	1088.2	1104.7	1113.1	1121.3	1108.9	1140.0	1133.8	1140.0	1137.9	1140.0	1146.3
45°	801.6	814.1	820.2	822.3	818.2	836.8	851.4	838.9	841.0	836.8	845.2
47.5°	579.4	581.5	577.3	589.7	579.4	587.7	591.9	593.9	581.5	579.4	587.7
50°	396.6	407.0	392.5	398.6	396.6	405.0	400.7	402.9	390.4	396.6	392.5
52.5°	263.8	261.7	257.5	259.5	255.4	255.4	255.4	259.5	251.2	247.1	242.9
55°	159.9	155.7	147.4	145.3	145.3	147.4	143.3	139.2	139.2	137.1	137.1
57.5°	93.4	87.1	83.0	81.0	76.8	74.8	72.7	72.7	68.5	68.5	68.5
60°	51.9	45.7	41.6	37.3	37.3	35.3	33.2	31.1	31.1	31.1	29.1
62.5°	27.0	22.8	18.6	16.6	16.6	14.5	12.5	12.5	12.5	12.5	10.4
65°	18.6	14.5	12.5	10.4	10.4	8.2	8.2	8.2	8.2	8.2	8.2
67.5°	14.5	12.5	10.4	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2
70°	12.5	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
80°	2.1	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: P844434

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1	2172.1
2.5°	2205.4	2203.3	2205.4	2209.5	2201.1	2226.1	2213.6	2226.1
5°	2253.1	2255.2	2257.3	2263.5	2253.1	2284.3	2267.7	2286.3
7.5°	2315.4	2317.4	2319.5	2325.7	2319.5	2350.7	2332.0	2348.6
10°	2379.8	2383.9	2383.9	2394.3	2388.0	2417.1	2404.7	2425.5
12.5°	2440.0	2444.1	2448.3	2454.5	2450.3	2481.5	2471.2	2487.8
15°	2487.8	2496.0	2498.1	2506.4	2502.3	2535.5	2523.0	2539.6
17.5°	2510.6	2518.9	2518.9	2529.2	2525.1	2560.4	2543.8	2562.5
20°	2498.1	2504.4	2506.4	2516.9	2512.6	2547.9	2531.3	2554.2
22.5°	2458.7	2460.7	2462.8	2473.2	2471.2	2502.3	2487.8	2502.3
25°	2385.9	2392.2	2390.1	2398.4	2398.4	2423.4	2406.8	2419.2
27.5°	2282.2	2288.4	2288.4	2298.8	2290.4	2315.4	2298.8	2317.4
30°	2155.5	2161.7	2157.6	2165.8	2157.6	2182.5	2169.9	2176.3
32.5°	2003.9	2003.9	2005.9	2008.0	2003.9	2026.7	2014.3	2026.7
35°	1823.3	1827.4	1829.5	1831.6	1827.4	1844.0	1829.5	1837.7
37.5°	1619.8	1630.1	1628.0	1630.1	1623.9	1644.6	1632.1	1636.4
40°	1401.7	1401.7	1399.6	1403.8	1397.6	1414.2	1405.8	1409.9
42.5°	1148.4	1154.6	1146.3	1156.7	1140.0	1162.9	1154.6	1148.4
45°	861.9	853.5	851.4	853.5	847.3	849.3	855.6	851.4
47.5°	587.7	587.7	583.5	577.3	585.6	587.7	579.4	579.4
50°	394.5	394.5	390.4	388.3	392.5	390.4	386.2	392.5
52.5°	251.2	242.9	242.9	247.1	242.9	238.8	245.1	240.8
55°	137.1	132.9	132.9	137.1	132.9	132.9	130.8	135.0
57.5°	66.4	68.5	66.4	66.4	66.4	66.4	64.4	66.4
60°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
62.5°	12.5	12.5	10.4	10.4	10.4	10.4	10.4	10.4
65°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
67.5°	6.2	6.2	6.2	6.2	6.2	8.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	6.2	6.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1
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)