

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: P844417

Luminaire Tested: **LD6C35DE010B40 EU6C35B40 6LBSWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844417
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: LD6C35DE010B40 EU6C35B40 6LBSWLI
Description:
Light Source: -
Ballast/Driver:

Summary

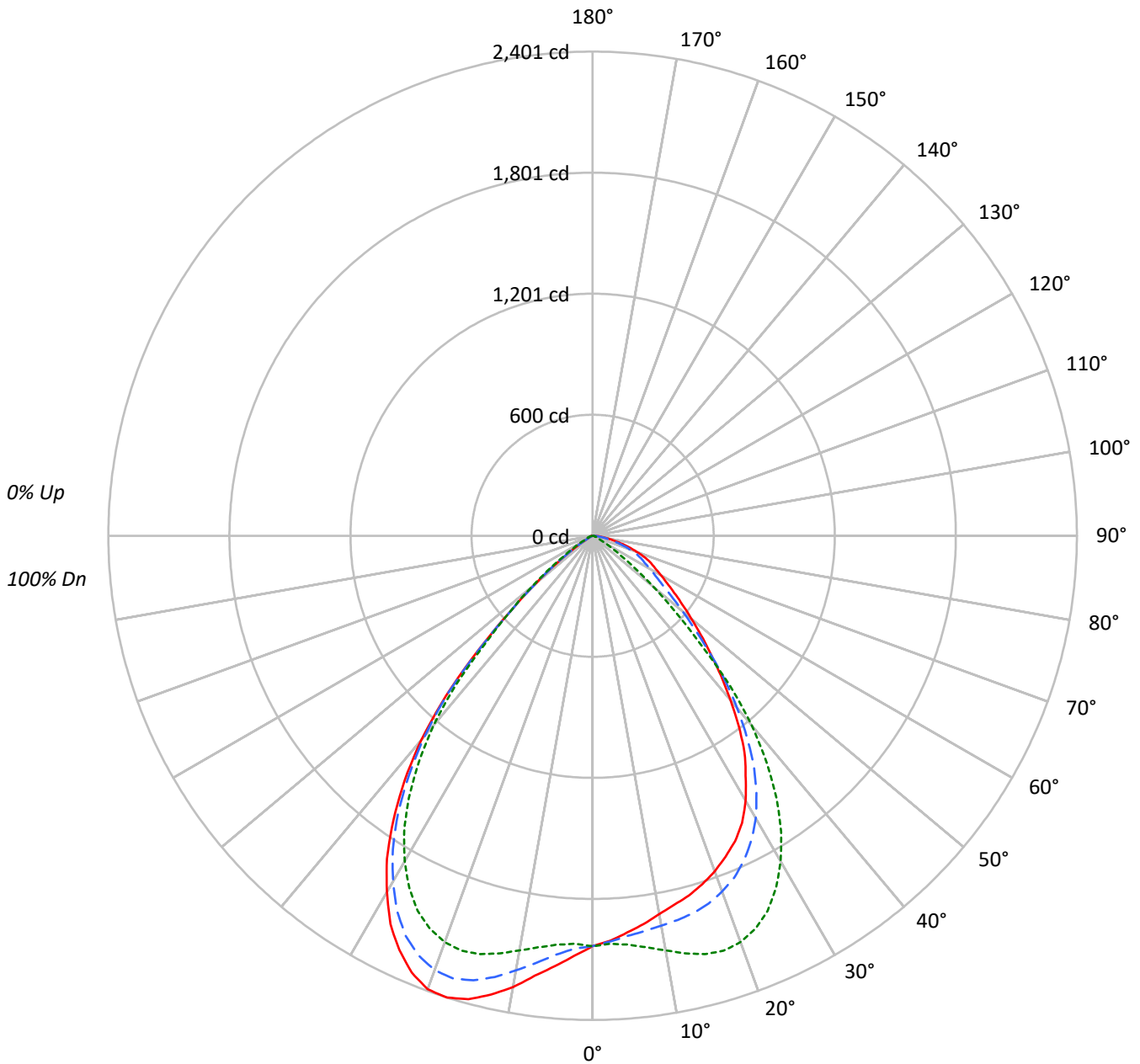
Lumens per Lamp: N/A
Luminaire Lumens: 3719.7 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	111559	111559	111559
5°	108661	111985	117868
10°	106021	116202	126490
15°	104779	121896	135035
20°	103282	125072	139598
25°	101086	124144	137095
30°	96059	117980	129058
35°	87883	106368	115221
40°	76021	87850	94534
45°	64107	57618	61836
50°	54429	33346	31359
55°	47224	15990	12081
60°	42661	7467	2982
65°	41379	4281	999
70°	37106	3446	930
75°	30479	2478	424
80°	22699	1231	0
85°	19625	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	5.3
10°-20°	599.0	16.1
20°-30°	915.3	24.6
30°-40°	957.3	25.7
40°-50°	621.0	16.7
50°-60°	246.6	6.6
60°-70°	117.0	3.1
70°-80°	55.6	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°	1710.9	46.0
0°-40°	2668.2	71.7
0°-60°	3535.8	95.1
0°-90°	3719.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3719.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2035	2035	2035	2035	2035	
5°	1975	1992	2035	2086	2142	186
15°	1846	1936	2148	2282	2379	520
25°	1671	1776	2052	2191	2266	765
35°	1313	1393	1589	1683	1722	812
45°	827	819	743	788	798	643
55°	494	420	167	130	126	448
65°	319	264	33	8	8	312
75°	144	117	12	4	2	155
85°	31	20	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°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	2009.7	2013.5	1992.2	1986.3	2001.9	2007.7	2009.7	2003.8	2005.8	2013.5	2013.5
5°	1974.6	1978.5	1959.1	1953.2	1968.8	1972.7	1978.5	1976.6	1982.4	1994.1	1992.2
7.5°	1941.6	1947.4	1926.1	1918.2	1937.7	1947.4	1951.3	1951.3	1959.1	1974.6	1976.6
10°	1904.6	1912.4	1893.0	1889.0	1910.4	1920.1	1922.1	1926.1	1937.7	1959.1	1963.0
12.5°	1873.5	1881.3	1867.7	1861.9	1885.1	1894.9	1898.8	1906.6	1920.1	1947.4	1951.3
15°	1846.2	1852.1	1836.5	1832.7	1855.9	1867.7	1869.6	1881.3	1898.8	1929.9	1935.8
17.5°	1811.2	1815.1	1803.5	1799.6	1822.9	1834.6	1836.5	1850.1	1871.6	1902.7	1912.4
20°	1770.4	1774.3	1762.5	1758.7	1782.0	1795.7	1797.7	1809.3	1834.6	1867.7	1877.4
22.5°	1721.7	1729.5	1715.9	1712.0	1735.4	1747.0	1752.9	1762.5	1787.9	1820.9	1834.6
25°	1671.2	1671.2	1661.4	1659.5	1680.9	1694.5	1692.5	1706.2	1731.5	1764.6	1776.2
27.5°	1605.1	1603.1	1593.3	1591.4	1614.8	1626.4	1622.5	1636.2	1659.5	1692.5	1704.3
30°	1517.5	1521.4	1507.8	1503.8	1523.3	1542.8	1540.9	1554.4	1577.8	1608.9	1616.7
32.5°	1412.4	1416.3	1414.4	1408.6	1426.0	1435.7	1441.6	1451.3	1470.7	1503.8	1511.7
35°	1313.2	1307.3	1299.6	1299.6	1317.1	1332.6	1326.8	1338.5	1357.9	1391.0	1393.0
37.5°	1190.7	1188.7	1184.8	1181.0	1200.4	1204.2	1206.2	1214.0	1231.5	1258.7	1254.9
40°	1062.3	1064.2	1062.3	1054.5	1066.1	1081.6	1079.7	1083.7	1099.2	1118.7	1112.8
42.5°	941.6	941.6	941.6	933.8	947.4	955.3	959.2	957.2	961.1	978.6	970.8
45°	826.9	828.8	826.9	824.8	826.9	830.8	826.9	824.8	824.8	830.8	819.0
47.5°	727.7	727.7	721.8	715.9	721.8	723.6	717.9	712.1	710.1	708.2	688.7
50°	638.2	636.2	634.3	624.5	630.3	632.3	624.5	620.6	612.8	603.1	579.8
52.5°	560.3	558.3	556.4	546.7	550.6	552.5	544.8	537.0	527.2	519.4	490.3
55°	494.1	492.2	492.2	486.4	482.5	486.4	478.6	472.8	459.1	449.4	420.2
57.5°	437.8	437.8	433.8	428.0	429.9	429.9	422.2	414.4	402.6	391.0	367.7
60°	389.1	389.1	389.1	383.2	383.2	383.2	379.4	371.7	361.9	350.2	326.8
62.5°	350.2	350.2	348.2	342.5	344.4	344.4	340.5	332.7	323.0	315.2	291.8
65°	319.0	319.0	319.0	313.3	313.3	315.2	311.3	303.5	295.7	286.0	264.5
67.5°	280.2	278.3	278.3	274.2	276.3	278.3	274.2	268.5	258.8	252.9	233.5
70°	231.5	233.5	235.4	229.6	231.5	231.5	229.6	223.8	217.9	212.1	194.6
72.5°	188.7	188.7	186.8	184.9	184.9	186.8	182.9	177.0	173.1	169.3	155.6
75°	143.9	142.0	143.9	140.1	140.1	140.1	136.1	134.2	132.3	126.4	116.7
77.5°	105.0	103.1	103.1	99.2	101.2	101.2	99.2	95.4	91.4	89.5	81.6
80°	71.9	71.9	71.9	70.0	70.0	68.1	68.1	66.2	62.2	60.3	56.5
82.5°	48.7	48.7	48.7	46.7	46.7	46.7	44.7	42.7	40.8	38.9	35.0
85°	31.2	31.2	31.2	29.2	29.2	29.2	27.2	27.2	25.3	23.4	19.5
87.5°	17.5	17.5	17.5	15.5	15.5	15.5	15.5	15.5	13.6	11.7	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°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	2027.2	2000.0	2017.4	2017.4	2011.6	2027.2	2036.9	2044.7	2042.7	2025.3	2023.3
5°	2011.6	1988.2	2007.7	2009.7	2003.8	2025.3	2038.8	2048.5	2050.5	2035.0	2036.9
7.5°	2000.0	1980.5	2005.8	2013.5	2011.6	2031.1	2046.6	2062.2	2070.0	2058.3	2060.3
10°	1994.1	1978.5	2005.8	2017.4	2019.4	2040.8	2064.2	2085.5	2095.3	2087.5	2093.4
12.5°	1986.3	1976.6	2007.7	2025.3	2033.0	2054.5	2083.6	2108.9	2124.5	2120.6	2132.2
15°	1978.5	1970.8	2007.7	2033.0	2042.7	2062.2	2095.3	2132.2	2149.7	2147.8	2163.4
17.5°	1959.1	1957.2	1996.1	2023.3	2036.9	2060.3	2091.4	2136.1	2153.7	2157.6	2176.9
20°	1928.0	1928.0	1970.8	2000.0	2015.5	2036.9	2075.8	2118.7	2140.0	2143.9	2165.4
22.5°	1885.1	1889.0	1929.9	1959.1	1982.4	1998.0	2038.8	2083.6	2103.0	2108.9	2132.2
25°	1828.8	1832.7	1871.6	1900.7	1926.1	1943.5	1982.4	2023.3	2046.6	2052.4	2070.0
27.5°	1754.8	1762.5	1799.6	1828.8	1850.1	1861.9	1902.7	1945.5	1963.0	1968.8	1986.3
30°	1669.3	1671.2	1708.1	1733.5	1754.8	1764.6	1799.6	1844.3	1857.9	1863.8	1889.0
32.5°	1564.1	1562.2	1597.2	1620.6	1638.1	1649.8	1686.7	1715.9	1729.5	1739.3	1752.9
35°	1437.7	1435.7	1461.0	1488.3	1501.9	1505.8	1542.8	1573.9	1581.7	1589.4	1607.0
37.5°	1295.7	1295.7	1317.1	1330.7	1346.3	1352.1	1369.6	1404.6	1418.3	1416.3	1429.9
40°	1145.8	1138.1	1153.7	1167.3	1171.2	1173.1	1190.7	1217.9	1227.6	1227.6	1237.3
42.5°	988.4	976.6	978.6	986.3	990.3	976.6	988.4	1005.8	999.9	1007.7	1009.7
45°	821.0	803.5	795.7	778.2	782.1	768.5	760.7	764.6	762.7	743.2	747.1
47.5°	684.8	653.7	640.1	614.8	609.0	593.3	583.7	566.2	550.6	550.6	540.8
50°	570.1	538.9	511.7	482.5	472.8	459.1	437.8	414.4	402.6	391.0	381.3
52.5°	478.6	445.6	412.4	381.3	367.7	350.2	321.0	297.7	276.3	264.5	252.9
55°	404.7	367.7	332.7	299.6	282.1	264.5	235.4	208.1	182.9	167.3	157.6
57.5°	348.2	313.3	276.3	241.2	225.7	206.2	175.1	145.8	122.6	105.0	95.4
60°	307.5	272.3	239.3	202.3	186.8	167.3	134.2	106.9	83.7	68.1	56.5
62.5°	272.3	241.2	206.2	173.1	157.6	138.1	106.9	79.7	58.4	42.7	33.0
65°	247.1	216.0	186.8	153.7	140.1	120.7	91.4	66.2	46.7	33.0	23.4
67.5°	217.9	190.6	161.5	134.2	120.7	105.0	77.8	56.5	38.9	27.2	19.5
70°	182.9	161.5	136.1	110.9	101.2	87.6	64.2	46.7	31.2	21.5	15.5
72.5°	145.8	128.4	108.9	89.5	81.6	68.1	52.5	37.0	23.4	15.5	11.7
75°	110.9	97.3	81.6	68.1	60.3	52.5	38.9	27.2	17.5	11.7	7.7
77.5°	75.9	70.0	58.4	46.7	42.7	37.0	25.3	17.5	11.7	7.7	3.9
80°	52.5	46.7	38.9	31.2	27.2	23.4	15.5	11.7	5.8	3.9	2.0
82.5°	33.0	27.2	23.4	19.5	17.5	13.6	9.7	5.8	3.9	2.0	2.0
85°	17.5	15.5	13.6	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°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	2046.6	2046.6	2044.7	2068.0	2040.8	2068.0	2054.5	2068.0	2048.5	2046.6	2048.5
5°	2062.2	2068.0	2070.0	2091.4	2066.1	2099.2	2087.5	2099.2	2085.5	2089.5	2095.3
7.5°	2093.4	2103.0	2101.2	2128.4	2103.0	2140.0	2132.2	2149.7	2136.1	2140.0	2147.8
10°	2128.4	2140.0	2141.9	2169.2	2145.8	2190.6	2180.8	2200.3	2188.7	2194.5	2204.2
12.5°	2169.2	2182.9	2184.8	2215.8	2190.6	2237.3	2231.5	2250.9	2241.1	2247.0	2258.7
15°	2200.3	2219.8	2223.7	2254.8	2227.6	2276.2	2272.3	2297.6	2282.1	2291.8	2301.5
17.5°	2215.8	2233.4	2241.1	2270.3	2247.0	2295.7	2291.8	2313.2	2301.5	2311.2	2322.9
20°	2206.1	2227.6	2233.4	2262.6	2239.3	2287.9	2282.1	2303.5	2291.8	2299.5	2311.2
22.5°	2171.1	2192.6	2200.3	2227.6	2206.1	2250.9	2249.0	2268.4	2252.9	2262.6	2272.3
25°	2108.9	2132.2	2136.1	2161.4	2138.1	2184.8	2180.8	2202.3	2190.6	2196.4	2210.0
27.5°	2019.4	2046.6	2052.4	2073.9	2056.4	2095.3	2095.3	2112.7	2099.2	2099.2	2112.7
30°	1912.4	1939.6	1943.5	1961.1	1945.5	1980.5	1982.4	2000.0	1978.5	1990.3	1992.2
32.5°	1782.0	1799.6	1811.2	1826.7	1803.5	1848.2	1842.4	1855.9	1844.3	1844.3	1854.0
35°	1624.4	1645.9	1651.7	1671.2	1651.7	1686.7	1686.7	1694.5	1682.8	1682.8	1698.3
37.5°	1453.3	1468.8	1470.7	1490.2	1474.7	1503.8	1501.9	1507.8	1496.0	1503.8	1503.8
40°	1252.9	1264.6	1268.4	1278.2	1276.2	1297.6	1295.7	1299.6	1293.7	1295.7	1299.6
42.5°	1019.5	1035.0	1042.8	1050.5	1038.9	1068.1	1062.3	1068.1	1066.1	1068.1	1073.9
45°	750.9	762.7	768.5	770.4	766.6	784.0	797.6	786.0	787.9	784.0	791.9
47.5°	542.8	544.8	540.8	552.5	542.8	550.6	554.5	556.4	544.8	542.8	550.6
50°	371.7	381.3	367.7	373.6	371.7	379.4	375.5	377.5	365.7	371.7	367.7
52.5°	247.1	245.1	241.2	243.1	239.3	239.3	239.3	243.1	235.4	231.5	227.6
55°	149.9	145.8	138.1	136.1	136.1	138.1	134.2	130.4	130.4	128.4	128.4
57.5°	87.6	81.6	77.8	75.9	71.9	70.0	68.1	68.1	64.2	64.2	64.2
60°	48.7	42.7	38.9	35.0	35.0	33.0	31.2	29.2	29.2	29.2	27.2
62.5°	25.3	21.5	17.5	15.5	15.5	13.6	11.7	11.7	11.7	11.7	9.7
65°	17.5	13.6	11.7	9.7	9.7	7.7	7.7	7.7	7.7	7.7	7.7
67.5°	13.6	11.7	9.7	7.7	7.7	7.7	5.8	5.8	5.8	5.8	5.8
70°	11.7	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: P844417

CATALOG NUMBER: LD6C35DE010B40 EU6C35B40 6LBSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
2.5°	2066.1	2064.2	2066.1	2070.0	2062.2	2085.5	2073.9	2085.5
5°	2110.8	2112.7	2114.7	2120.6	2110.8	2140.0	2124.5	2141.9
7.5°	2169.2	2171.1	2173.1	2178.9	2173.1	2202.3	2184.8	2200.3
10°	2229.6	2233.4	2233.4	2243.1	2237.3	2264.5	2252.9	2272.3
12.5°	2286.0	2289.8	2293.8	2299.5	2295.7	2324.8	2315.1	2330.7
15°	2330.7	2338.4	2340.4	2348.2	2344.2	2375.4	2363.7	2379.3
17.5°	2352.1	2359.9	2359.9	2369.6	2365.7	2398.7	2383.2	2400.7
20°	2340.4	2346.3	2348.2	2358.0	2354.0	2387.1	2371.5	2392.9
22.5°	2303.5	2305.4	2307.3	2317.1	2315.1	2344.2	2330.7	2344.2
25°	2235.3	2241.1	2239.3	2247.0	2247.0	2270.3	2254.8	2266.5
27.5°	2138.1	2143.9	2143.9	2153.7	2145.8	2169.2	2153.7	2171.1
30°	2019.4	2025.3	2021.3	2029.2	2021.3	2044.7	2033.0	2038.8
32.5°	1877.4	1877.4	1879.3	1881.3	1877.4	1898.8	1887.1	1898.8
35°	1708.1	1712.0	1714.0	1715.9	1712.0	1727.5	1714.0	1721.7
37.5°	1517.5	1527.2	1525.2	1527.2	1521.4	1540.9	1529.1	1533.0
40°	1313.2	1313.2	1311.3	1315.2	1309.4	1324.9	1317.1	1321.0
42.5°	1075.8	1081.6	1073.9	1083.7	1068.1	1089.5	1081.6	1075.8
45°	807.4	799.6	797.6	799.6	793.8	795.7	801.6	797.6
47.5°	550.6	550.6	546.7	540.8	548.6	550.6	542.8	542.8
50°	369.6	369.6	365.7	363.8	367.7	365.7	361.9	367.7
52.5°	235.4	227.6	227.6	231.5	227.6	223.8	229.6	225.7
55°	128.4	124.5	124.5	128.4	124.5	124.5	122.6	126.4
57.5°	62.2	64.2	62.2	62.2	62.2	62.2	60.3	62.2
60°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
62.5°	11.7	11.7	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)