

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: P844423

Luminaire Tested: **LD6C35DE010B2750 EU6C35B50 6LBDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B2750 EU6C35B50 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

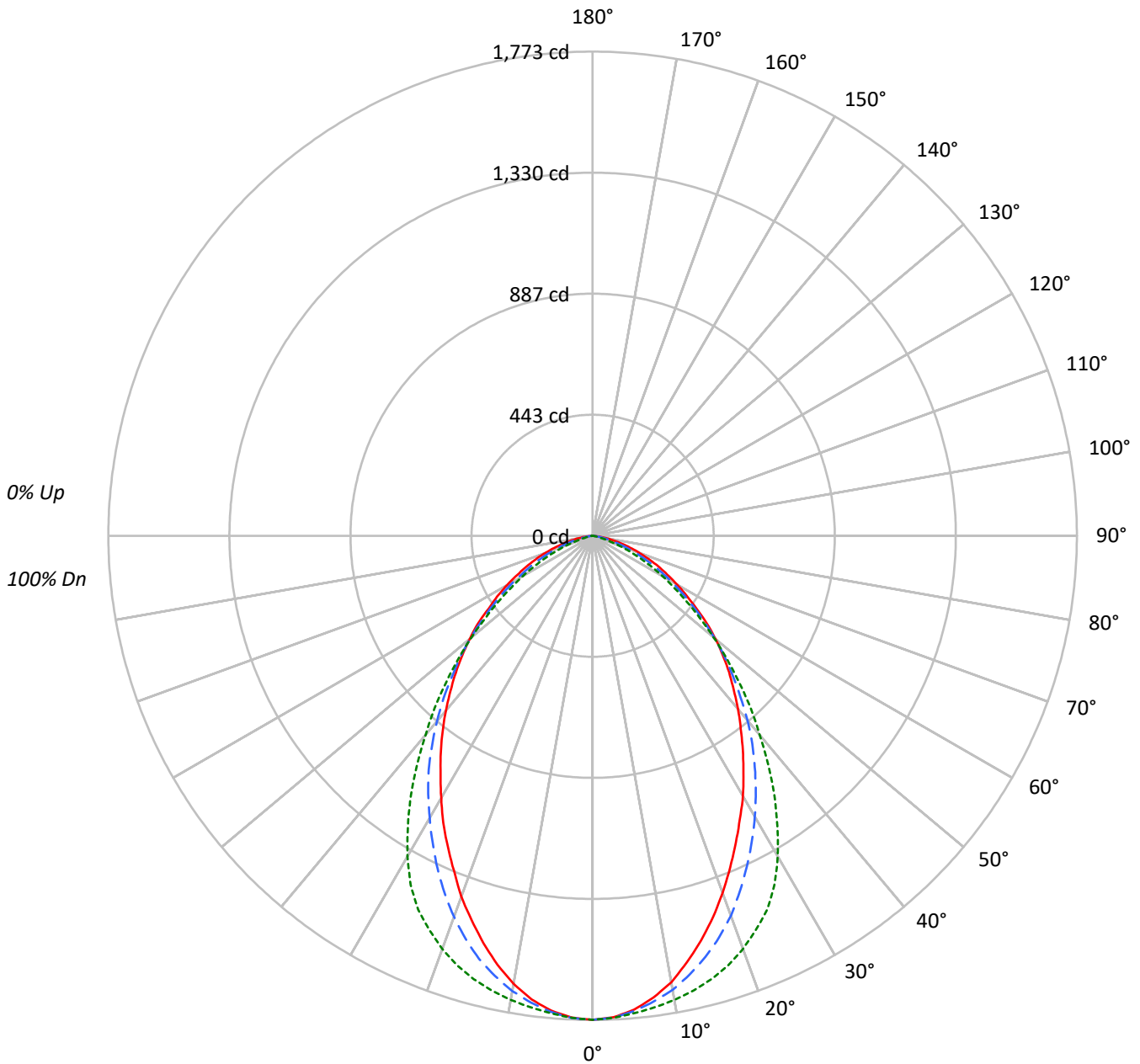
Lumens per Lamp: N/A
Luminaire Lumens: 3172.9 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77				77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67				67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59				59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32				32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	97174	97174	97174
5°	95878	96566	96043
10°	92377	96068	92739
15°	87066	95392	87634
20°	81137	93913	82000
25°	75035	91390	75930
30°	69682	85798	70169
35°	64126	77591	64842
40°	59254	68063	59798
45°	54742	58820	54920
50°	50071	49312	50028
55°	44233	40276	44405
60°	39065	32322	39646
65°	34388	24036	34621
70°	28931	15083	29701
75°	22939	6375	23574
80°	15311	1515	16416
85°	6290	377	7422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	5.2
10°-20°	450.7	14.2
20°-30°	622.2	19.6
30°-40°	654.5	20.6
40°-50°	563.7	17.8
50°-60°	401.3	12.6
60°-70°	226.2	7.1
70°-80°	80.2	2.5
80°-90°	9.0	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°	1238.0	39.0
0°-40°	1892.5	59.6
0°-60°	2857.4	90.1
0°-90°	3172.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3172.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1773	1773	1773	1773	1773	
5°	1742	1747	1755	1750	1745	164
15°	1534	1596	1681	1604	1544	430
25°	1240	1336	1511	1344	1255	571
35°	958	1035	1159	1046	969	600
45°	706	726	759	727	708	544
55°	463	448	421	448	465	417
65°	265	227	185	229	267	262
75°	108	73	30	74	111	117
85°	10	5	1	5	12	17
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°	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1764.9	1765.5	1765.5	1766.0	1765.5	1765.5	1766.0	1766.0	1765.5	1766.0	1766.0
5°	1742.3	1741.8	1742.3	1743.0	1744.8	1744.8	1744.1	1744.1	1745.9	1745.3	1746.6
7.5°	1705.6	1705.6	1707.4	1708.6	1708.6	1709.2	1710.4	1712.8	1715.2	1715.8	1719.9
10°	1659.5	1660.2	1659.5	1661.9	1663.7	1666.6	1666.0	1670.2	1674.3	1680.3	1688.0
12.5°	1598.6	1600.3	1603.9	1603.9	1609.2	1612.2	1611.6	1621.0	1628.8	1635.8	1645.4
15°	1534.1	1533.5	1536.4	1541.2	1546.5	1550.6	1552.4	1564.9	1572.5	1584.3	1596.2
17.5°	1464.8	1463.0	1467.8	1470.7	1479.6	1484.9	1488.5	1499.1	1511.6	1525.7	1541.7
20°	1390.8	1393.7	1395.0	1399.1	1411.0	1415.1	1421.0	1432.9	1445.3	1461.9	1480.2
22.5°	1315.1	1319.2	1321.6	1326.9	1336.4	1339.9	1345.8	1363.0	1376.6	1391.4	1408.6
25°	1240.5	1245.3	1249.4	1255.9	1262.4	1267.7	1275.4	1287.2	1302.7	1316.2	1335.8
27.5°	1167.7	1171.9	1173.0	1180.7	1188.5	1195.5	1199.7	1213.8	1226.9	1243.5	1262.4
30°	1100.8	1098.5	1101.4	1108.0	1116.8	1121.5	1128.6	1138.1	1152.3	1168.3	1187.8
32.5°	1027.4	1027.4	1032.1	1039.9	1047.0	1050.5	1052.9	1065.9	1080.2	1095.5	1111.5
35°	958.2	960.5	964.7	969.4	977.1	980.1	985.4	994.9	1006.1	1023.3	1035.1
37.5°	891.3	893.1	897.2	902.0	907.9	913.8	916.1	926.3	934.5	948.7	960.0
40°	828.0	828.6	833.3	835.1	840.4	842.8	847.5	852.9	864.7	870.6	881.2
42.5°	764.0	767.0	768.8	772.9	773.6	778.3	780.6	782.4	791.9	795.4	801.4
45°	706.1	706.1	707.9	707.9	710.8	709.0	712.5	716.1	716.8	722.7	726.2
47.5°	645.7	643.9	646.3	645.7	645.2	645.2	646.3	646.8	648.6	652.8	654.6
50°	587.1	583.0	583.0	582.3	581.8	583.6	583.6	583.0	583.0	584.8	583.0
52.5°	527.3	526.2	523.2	520.8	519.6	519.6	519.6	517.3	517.3	516.1	511.9
55°	462.8	464.6	463.5	462.2	461.7	459.9	459.9	456.9	452.1	449.8	447.5
57.5°	407.2	409.5	409.5	407.2	404.2	403.1	400.1	398.3	394.2	390.1	385.3
60°	356.3	359.3	355.2	353.4	352.7	350.9	349.8	343.3	339.1	335.0	329.7
62.5°	307.8	308.9	306.0	304.2	302.5	300.7	300.1	294.8	287.7	282.3	275.8
65°	265.1	263.4	262.2	259.2	256.3	253.9	253.9	246.7	240.3	233.7	227.3
67.5°	220.7	221.9	220.2	217.8	213.1	210.7	207.2	202.4	196.5	190.0	182.3
70°	180.5	179.9	178.1	175.8	172.8	168.7	165.7	163.3	155.0	147.3	140.9
72.5°	143.8	143.2	141.4	138.4	134.3	132.5	130.2	124.3	117.8	111.3	104.2
75°	108.3	108.9	106.0	104.7	100.1	98.3	97.6	90.5	85.2	79.3	72.8
77.5°	77.5	77.5	74.6	72.2	69.8	68.6	66.3	62.2	58.0	52.0	46.7
80°	48.5	48.5	48.5	46.1	43.8	42.6	40.8	37.9	33.7	30.1	26.7
82.5°	26.0	26.0	24.9	24.2	23.1	21.9	21.3	20.1	17.1	15.3	13.0
85°	10.0	10.0	9.5	9.5	8.2	8.2	7.7	7.1	5.9	5.3	4.8
87.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1766.7	1766.7	1766.0	1766.7	1766.7	1766.7	1766.7	1766.7	1766.7	1766.7	1767.2
5°	1747.7	1749.5	1750.1	1750.7	1751.9	1752.4	1753.0	1753.7	1754.2	1754.8	1754.8
7.5°	1723.4	1727.5	1730.5	1733.5	1734.7	1735.9	1737.7	1740.0	1741.8	1741.8	1741.2
10°	1694.4	1699.7	1705.6	1711.0	1712.8	1715.8	1718.8	1722.3	1725.2	1725.8	1725.8
12.5°	1656.6	1662.5	1673.2	1682.1	1685.6	1689.7	1695.6	1701.0	1704.0	1705.6	1705.1
15°	1609.2	1621.7	1636.5	1646.5	1651.3	1658.4	1667.8	1673.7	1678.5	1680.8	1679.6
17.5°	1557.7	1573.8	1589.7	1603.3	1609.8	1616.9	1629.9	1640.6	1647.7	1649.5	1648.3
20°	1499.1	1516.9	1534.1	1551.2	1560.1	1568.4	1582.0	1595.7	1607.4	1609.8	1608.0
22.5°	1429.3	1449.4	1470.1	1489.7	1499.7	1507.4	1526.9	1542.3	1556.0	1561.9	1557.7
25°	1357.0	1378.4	1400.3	1417.4	1428.8	1441.8	1459.5	1477.2	1493.8	1510.9	1495.6
27.5°	1280.2	1299.7	1322.8	1346.5	1357.0	1366.6	1384.9	1407.4	1424.5	1441.8	1424.5
30°	1203.2	1228.1	1248.7	1269.5	1281.3	1292.5	1310.9	1329.2	1345.8	1355.4	1344.7
32.5°	1131.0	1149.3	1170.1	1190.2	1198.5	1207.4	1222.7	1239.9	1255.9	1258.8	1251.7
35°	1055.3	1071.3	1088.4	1101.4	1111.5	1121.0	1134.5	1145.2	1149.3	1159.4	1152.3
37.5°	969.4	983.6	999.0	1008.5	1017.3	1025.1	1035.1	1044.6	1048.1	1055.8	1050.5
40°	888.3	900.2	909.0	919.1	923.8	931.6	935.7	943.4	947.5	951.1	951.7
42.5°	810.3	816.7	823.3	830.3	832.1	833.9	844.0	849.3	853.4	855.8	852.2
45°	730.3	736.9	739.2	744.6	747.5	748.7	752.8	753.5	754.6	758.7	756.9
47.5°	657.5	658.2	659.9	662.3	663.5	663.5	665.8	663.5	664.6	665.3	666.4
50°	581.2	585.3	581.2	583.6	584.1	583.6	581.8	580.6	578.8	578.2	577.7
52.5°	508.9	509.6	507.2	505.4	503.6	504.3	499.5	497.2	497.7	494.2	498.4
55°	443.3	440.9	435.6	433.8	429.7	429.1	428.4	425.5	420.8	421.4	422.5
57.5°	380.0	375.8	370.5	367.5	366.4	361.6	361.1	356.3	353.4	352.7	352.7
60°	322.6	319.0	313.7	308.3	304.2	301.8	298.9	294.1	295.3	294.8	291.8
62.5°	268.1	264.0	256.3	250.3	248.0	246.2	242.1	238.5	236.7	238.5	236.7
65°	219.6	213.1	204.2	198.3	197.7	195.3	190.6	188.2	186.5	185.3	187.0
67.5°	174.6	165.7	160.3	152.7	149.1	148.0	141.4	137.9	138.4	137.9	138.4
70°	133.2	124.3	117.2	111.3	106.5	104.7	101.2	96.5	95.9	94.1	96.5
72.5°	96.5	88.7	82.3	75.7	71.6	69.3	64.5	59.8	58.6	57.4	57.4
75°	66.3	59.8	52.7	46.7	43.8	41.5	36.7	33.1	30.1	30.1	30.1
77.5°	41.5	36.1	30.8	26.7	24.9	22.5	18.3	14.8	13.6	11.8	12.5
80°	23.7	19.6	16.6	13.6	11.8	10.7	8.2	6.6	4.8	4.8	4.8
82.5°	11.2	9.5	7.1	5.9	5.3	4.1	3.0	2.3	1.8	1.2	1.2
85°	3.6	3.0	2.3	1.8	1.2	1.2	0.6	0.6	0.6	0.6	0.6
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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1766.7	1767.2	1766.7	1767.2	1766.7	1767.8	1767.8	1767.2	1767.2	1767.2	1766.7
5°	1754.2	1754.2	1753.7	1753.7	1753.7	1753.0	1751.2	1751.2	1750.1	1749.5	1748.3
7.5°	1740.7	1739.4	1737.7	1737.1	1735.3	1733.5	1730.0	1727.0	1724.6	1721.6	1718.8
10°	1724.0	1721.1	1717.5	1715.2	1714.0	1709.9	1704.5	1697.4	1692.6	1687.3	1681.4
12.5°	1702.7	1699.2	1692.6	1688.0	1685.0	1677.3	1669.6	1660.7	1651.3	1641.8	1635.8
15°	1674.9	1668.9	1660.7	1655.9	1650.6	1640.0	1626.4	1613.9	1604.5	1593.9	1579.6
17.5°	1642.4	1633.5	1622.2	1614.6	1608.0	1593.9	1577.9	1561.9	1547.6	1534.6	1520.5
20°	1597.3	1586.8	1573.1	1563.1	1556.5	1538.2	1521.0	1502.1	1484.9	1469.6	1453.0
22.5°	1544.7	1526.9	1513.4	1501.5	1494.4	1473.7	1454.8	1434.6	1416.3	1402.6	1384.9
25°	1478.5	1461.2	1444.1	1434.6	1423.4	1401.5	1381.9	1361.3	1344.0	1326.9	1310.3
27.5°	1408.0	1387.8	1368.9	1357.7	1347.6	1326.3	1306.8	1287.9	1268.3	1249.4	1234.6
30°	1331.0	1310.9	1296.1	1282.0	1270.6	1253.5	1229.3	1210.4	1193.1	1176.0	1160.6
32.5°	1245.3	1228.7	1210.9	1203.8	1195.5	1174.8	1155.9	1137.5	1120.4	1103.2	1087.2
35°	1145.8	1132.8	1122.1	1114.4	1109.1	1090.7	1075.9	1056.5	1045.8	1028.7	1016.8
37.5°	1044.0	1037.5	1030.3	1020.9	1013.2	1002.5	993.8	977.7	965.3	952.8	939.8
40°	946.4	939.3	929.8	925.0	923.3	913.8	901.4	893.1	886.0	874.8	867.7
42.5°	851.1	847.5	838.1	835.6	833.3	825.1	819.1	812.1	807.3	798.9	795.4
45°	754.0	753.5	751.0	748.7	747.5	741.6	740.3	731.6	727.3	725.6	722.0
47.5°	668.2	666.4	662.8	666.4	661.1	660.5	660.5	658.7	656.9	652.2	651.6
50°	580.6	583.6	584.1	582.3	585.9	585.3	582.3	583.0	584.1	586.6	583.0
52.5°	500.2	502.5	506.6	504.8	507.8	510.7	509.6	514.3	512.5	514.9	519.6
55°	423.8	430.2	434.4	432.7	435.0	438.6	439.8	443.9	447.5	451.6	454.6
57.5°	358.1	359.8	365.7	367.5	368.2	371.1	377.0	383.5	387.6	390.6	393.5
60°	293.6	299.5	303.6	303.6	308.3	312.5	317.8	323.7	328.5	335.6	340.9
62.5°	239.1	240.3	246.2	246.7	250.3	257.4	261.6	270.4	276.4	284.1	291.2
65°	186.5	191.7	195.3	195.9	201.3	206.6	212.5	220.7	229.1	235.5	242.1
67.5°	139.7	142.7	147.3	151.6	152.7	160.3	169.2	176.9	184.0	190.0	198.3
70°	97.6	100.1	106.5	108.9	112.4	118.3	125.4	133.8	142.0	150.3	156.8
72.5°	59.8	65.2	69.3	72.8	75.7	82.8	90.5	97.6	104.7	111.9	120.1
75°	33.1	36.7	41.5	44.9	47.9	53.3	60.4	67.5	73.9	80.5	86.4
77.5°	14.8	18.3	22.5	24.9	27.2	31.9	37.3	43.3	48.5	53.3	58.6
80°	5.9	8.2	10.7	12.5	13.6	16.6	20.7	23.7	27.2	31.4	35.5
82.5°	2.3	3.0	4.1	5.3	5.9	7.7	9.5	11.2	14.2	16.0	18.3
85°	0.6	0.6	1.2	1.2	1.8	2.3	3.0	4.1	4.8	5.3	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
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: P844423

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B50 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6	1772.6
2.5°	1766.7	1766.0	1766.0	1766.0	1766.0	1765.5	1765.5	1765.5
5°	1748.9	1747.7	1747.1	1747.1	1745.3	1745.9	1745.9	1745.3
7.5°	1717.5	1716.3	1714.5	1715.8	1715.2	1713.4	1712.8	1712.2
10°	1676.7	1674.3	1673.7	1670.7	1668.9	1668.4	1668.4	1666.0
12.5°	1628.1	1621.7	1621.0	1618.1	1613.9	1611.6	1612.8	1609.2
15°	1574.3	1564.9	1560.1	1557.7	1553.0	1548.8	1545.3	1544.1
17.5°	1508.6	1497.9	1494.4	1492.0	1482.0	1481.4	1476.7	1474.9
20°	1440.0	1430.4	1425.2	1421.6	1414.0	1406.8	1406.2	1405.6
22.5°	1373.1	1357.7	1352.9	1347.6	1339.4	1333.5	1329.9	1326.9
25°	1297.3	1284.9	1276.6	1271.3	1265.4	1260.6	1255.9	1255.3
27.5°	1221.6	1209.7	1204.4	1199.7	1192.0	1186.7	1181.9	1184.2
30°	1147.5	1135.8	1129.9	1126.3	1118.6	1115.6	1107.3	1108.5
32.5°	1074.2	1063.6	1059.4	1052.3	1045.2	1041.7	1038.7	1036.3
35°	1003.8	994.9	989.0	984.2	977.7	971.8	968.9	968.9
37.5°	932.2	923.3	920.4	916.8	910.8	902.6	899.6	902.0
40°	859.3	852.9	849.9	847.5	841.6	838.6	835.6	835.6
42.5°	790.2	783.6	783.0	780.6	775.9	774.1	771.8	770.0
45°	717.9	715.0	712.5	712.5	712.0	711.4	709.6	708.4
47.5°	648.6	649.3	648.1	647.5	648.1	646.3	648.6	646.8
50°	585.3	584.1	585.3	584.1	584.8	587.1	584.8	586.6
52.5°	517.8	523.2	523.7	521.4	523.7	525.5	526.7	529.7
55°	458.1	459.9	461.0	463.5	464.6	468.1	464.6	464.6
57.5°	400.1	403.1	404.2	406.0	410.8	409.0	411.9	414.3
60°	347.4	350.9	353.4	355.2	356.8	361.1	362.2	361.6
62.5°	295.9	301.2	301.8	306.6	307.8	310.7	313.1	310.7
65°	248.0	252.7	256.3	259.2	262.8	265.8	265.1	266.9
67.5°	204.2	210.2	213.1	214.3	218.9	220.2	223.2	224.9
70°	164.6	168.7	172.2	174.0	176.9	180.5	183.5	185.3
72.5°	125.4	132.0	135.5	136.8	141.4	143.8	145.0	146.8
75°	93.0	98.3	100.1	103.0	105.3	110.6	110.1	111.3
77.5°	64.5	68.1	71.6	71.6	75.7	76.9	79.9	80.5
80°	38.5	42.6	44.4	44.9	47.9	49.7	50.9	52.0
82.5°	20.1	23.1	23.1	24.2	26.7	26.7	27.2	28.5
85°	7.7	8.9	9.5	9.5	10.0	11.2	11.2	11.8
87.5°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)