

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: P844391

Luminaire Tested: **LD6C35DE010B2750 EU6C35B35 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844391  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C35DE010B2750 EU6C35B35 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

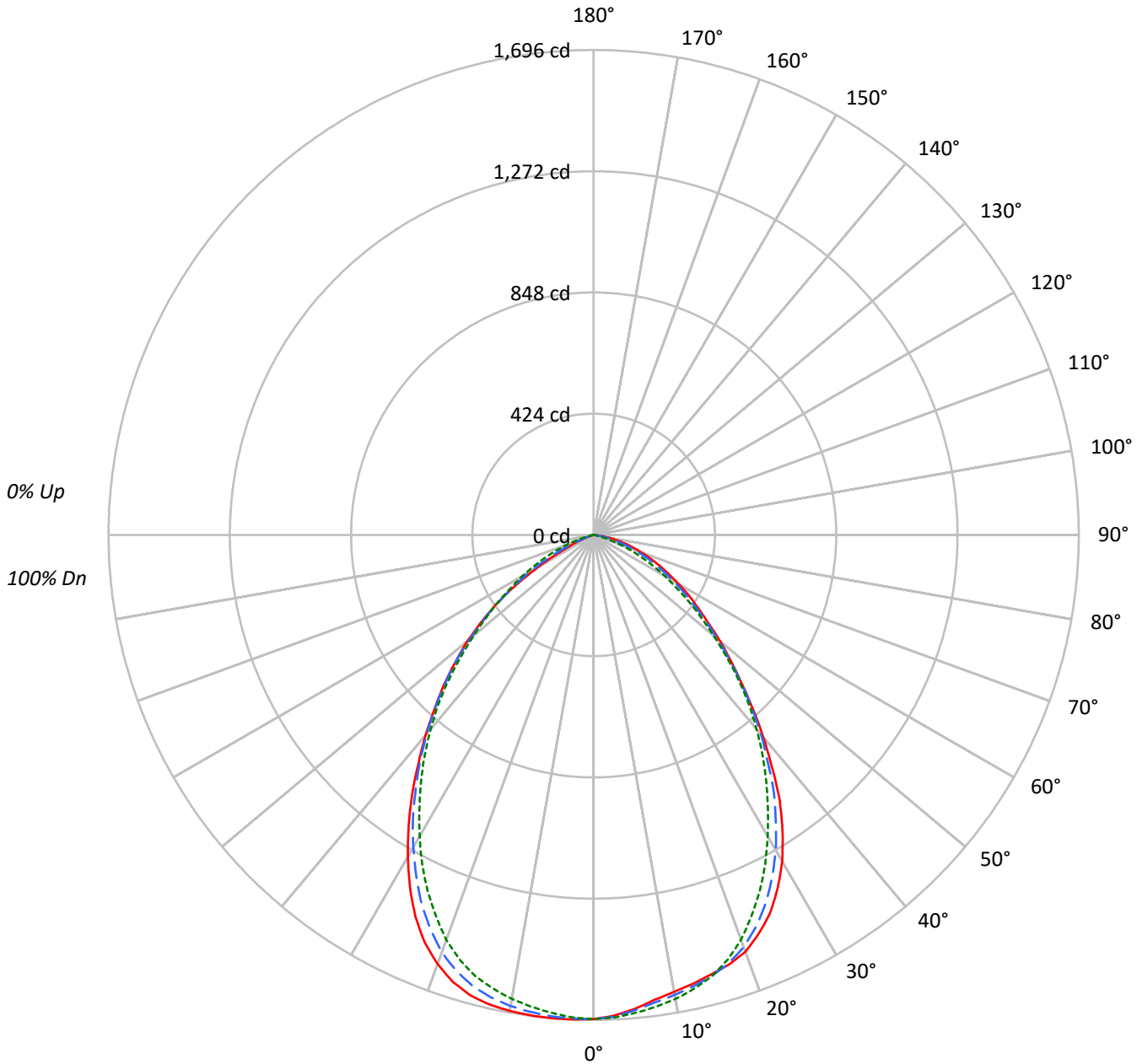
Lumens per Lamp: N/A  
Luminaire Lumens: 3113.7 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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			100
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89			89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78			78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69			69
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61			61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33			33

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	92816	92816	92816
5°	91531	92334	93347
10°	90318	91721	94086
15°	90279	90653	94592
20°	90477	87869	93155
25°	88263	83091	89146
30°	83450	77037	82209
35°	75871	70370	74037
40°	65959	63354	65365
45°	56541	55541	57324
50°	49030	46549	48894
55°	42550	38708	38488
60°	37464	31335	24340
65°	32870	23803	11674
70°	28242	15788	4312
75°	22981	6630	1186
80°	15532	1610	537
85°	6290	314	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.4	5.1
10°-20°	454.2	14.6
20°-30°	650.9	20.9
30°-40°	678.3	21.8
40°-50°	562.0	18.0
50°-60°	372.5	12.0
60°-70°	180.4	5.8
70°-80°	51.1	1.6
80°-90°	4.9	0.2
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°	1264.5	40.6
0°-40°	1942.8	62.4
0°-60°	2877.3	92.4
0°-90°	3113.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3113.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1693	1693	1693	1693	1693	
5°	1663	1668	1678	1690	1696	157
15°	1591	1596	1597	1633	1667	450
25°	1459	1422	1374	1424	1474	667
35°	1134	1098	1052	1084	1106	703
45°	729	727	716	734	739	567
55°	445	431	405	398	403	402
65°	253	229	184	126	90	252
75°	108	83	31	6	6	116
85°	10	4	0	0	0	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°	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1
2.5°	1682.4	1683.0	1684.1	1683.0	1683.5	1684.1	1684.1	1684.6	1684.6	1685.2	1685.8
5°	1663.3	1665.0	1665.0	1665.0	1665.0	1665.7	1666.2	1666.2	1665.7	1665.7	1667.9
7.5°	1639.3	1641.0	1640.5	1641.0	1641.6	1643.2	1642.7	1643.8	1644.9	1646.6	1648.9
10°	1622.5	1623.2	1622.5	1624.2	1625.4	1626.4	1626.4	1627.6	1628.8	1630.3	1633.2
12.5°	1607.5	1608.0	1608.6	1609.7	1610.8	1610.2	1611.4	1612.5	1613.0	1614.2	1615.9
15°	1590.7	1593.4	1592.9	1593.4	1594.1	1594.6	1595.1	1595.8	1595.1	1595.1	1596.3
17.5°	1575.0	1575.6	1576.1	1576.1	1576.1	1576.1	1575.0	1575.0	1573.3	1571.6	1570.6
20°	1550.9	1550.4	1549.3	1549.3	1547.0	1547.6	1545.4	1544.3	1541.5	1537.6	1533.7
22.5°	1509.0	1511.8	1510.7	1506.8	1504.6	1504.6	1502.3	1497.3	1492.7	1488.3	1483.3
25°	1459.2	1458.2	1456.5	1454.2	1450.9	1448.6	1445.3	1441.9	1434.6	1426.7	1422.3
27.5°	1392.7	1394.4	1390.5	1387.1	1385.4	1382.0	1378.7	1374.2	1365.3	1358.5	1350.7
30°	1318.3	1317.2	1316.6	1312.1	1307.7	1308.8	1302.1	1297.1	1290.3	1279.1	1273.0
32.5°	1228.8	1230.5	1227.2	1226.5	1218.2	1217.0	1217.0	1209.2	1203.6	1193.0	1184.7
35°	1133.7	1132.6	1131.5	1127.5	1127.0	1123.6	1120.9	1115.3	1108.0	1104.6	1097.9
37.5°	1024.1	1024.6	1025.2	1025.2	1022.9	1020.7	1018.5	1018.5	1008.5	1006.8	998.9
40°	921.7	923.4	922.9	919.0	919.5	920.0	919.5	919.0	912.8	910.5	909.5
42.5°	822.2	825.0	822.2	821.7	822.2	822.2	821.0	822.7	820.0	822.2	817.1
45°	729.3	731.6	729.9	729.3	728.2	731.0	727.7	730.5	728.8	726.0	727.1
47.5°	649.4	647.2	649.4	648.2	646.5	644.3	647.7	646.0	642.1	641.6	642.6
50°	574.9	573.9	574.9	574.4	571.7	571.7	571.0	570.0	568.8	565.4	563.2
52.5°	504.0	507.9	505.0	507.9	504.0	502.3	502.8	501.1	498.9	497.8	493.3
55°	445.2	445.8	445.8	445.8	443.6	442.4	441.2	440.2	440.2	435.1	430.7
57.5°	394.3	393.2	392.6	391.0	389.8	388.7	387.6	384.2	380.9	376.4	373.0
60°	341.7	342.9	342.9	340.7	339.0	337.3	336.8	334.4	330.5	326.1	321.0
62.5°	296.5	297.5	294.8	294.8	291.4	290.8	290.8	287.5	283.0	277.9	272.3
65°	253.4	252.8	253.9	250.0	250.6	247.2	246.1	244.4	240.0	233.8	228.8
67.5°	212.6	213.6	211.9	210.9	208.7	207.5	206.3	201.4	199.2	193.5	187.9
70°	176.2	175.0	174.0	174.0	171.8	170.1	169.4	163.8	161.1	156.6	150.5
72.5°	142.0	141.0	139.8	138.1	136.4	135.9	132.5	129.2	125.9	120.3	115.8
75°	108.5	108.0	106.8	105.7	102.9	101.7	101.2	97.3	91.2	86.7	82.8
77.5°	78.3	78.9	76.6	74.4	72.7	71.1	69.9	66.5	62.6	57.6	53.7
80°	49.2	49.8	49.2	47.6	45.3	44.7	43.0	40.8	37.4	34.2	31.3
82.5°	26.3	26.3	25.7	25.2	23.5	23.5	22.4	20.7	19.0	17.3	15.1
85°	10.0	10.0	9.5	9.0	8.4	8.4	7.8	7.3	6.1	5.6	4.4
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1
2.5°	1685.8	1686.3	1686.9	1687.5	1687.5	1687.5	1688.0	1688.5	1688.5	1689.1	1689.7
5°	1668.9	1669.6	1671.2	1671.8	1672.9	1672.3	1674.0	1675.7	1676.8	1677.9	1679.6
7.5°	1649.9	1651.6	1653.9	1655.5	1656.1	1656.7	1658.4	1660.6	1662.3	1664.5	1666.2
10°	1634.3	1635.9	1638.2	1640.5	1640.5	1641.6	1642.7	1644.4	1646.0	1647.7	1649.9
12.5°	1616.9	1619.2	1619.8	1620.8	1620.8	1621.5	1622.5	1623.2	1624.8	1625.4	1628.8
15°	1596.3	1596.3	1596.3	1596.3	1596.3	1595.8	1594.6	1595.8	1595.8	1597.3	1599.0
17.5°	1567.7	1567.7	1564.3	1562.8	1563.3	1560.4	1559.9	1557.7	1557.7	1557.7	1559.4
20°	1530.3	1525.2	1521.3	1516.3	1514.0	1512.9	1511.8	1506.8	1506.2	1506.2	1506.2
22.5°	1477.1	1471.6	1466.0	1462.1	1455.8	1453.6	1451.4	1448.0	1444.1	1441.9	1446.9
25°	1412.3	1405.6	1398.8	1391.0	1389.3	1386.6	1381.0	1377.6	1375.9	1373.7	1374.8
27.5°	1343.5	1334.0	1326.7	1318.9	1316.0	1312.7	1307.7	1302.6	1297.1	1298.1	1298.1
30°	1264.6	1253.4	1245.6	1236.1	1235.5	1232.1	1227.7	1221.6	1217.0	1217.0	1219.9
32.5°	1179.1	1171.2	1163.9	1153.2	1151.7	1149.3	1146.1	1140.4	1137.1	1133.7	1136.0
35°	1092.3	1080.1	1075.0	1068.3	1068.8	1062.7	1057.6	1054.2	1054.9	1051.5	1053.2
37.5°	998.9	991.6	984.3	981.6	978.8	975.5	973.2	970.9	969.9	969.9	968.7
40°	904.4	900.5	897.1	896.0	891.0	892.1	891.6	889.9	886.5	885.3	888.7
42.5°	815.4	811.5	809.8	807.1	806.6	804.9	804.9	803.2	802.6	803.2	802.6
45°	723.7	723.2	719.3	719.3	721.5	719.8	715.4	718.1	718.1	716.4	719.8
47.5°	639.3	639.9	637.6	633.1	633.1	630.3	627.0	629.8	631.4	628.7	630.3
50°	562.7	559.3	554.8	551.5	553.1	552.1	549.2	547.0	545.3	545.8	548.2
52.5°	490.0	488.3	483.2	479.3	478.2	478.8	475.4	472.0	472.7	472.0	471.0
55°	424.5	424.5	417.8	416.1	411.6	411.6	407.2	406.7	405.0	405.0	402.1
57.5°	368.1	363.0	359.1	355.2	353.5	351.2	349.5	345.6	343.9	340.7	340.0
60°	316.0	309.9	307.0	302.6	299.2	297.0	294.2	290.8	288.6	285.8	282.5
62.5°	269.6	262.9	257.3	252.8	250.0	249.5	244.9	241.0	236.6	233.2	227.6
65°	223.2	219.2	213.1	207.0	205.8	203.1	198.5	194.1	188.5	183.5	180.1
67.5°	182.3	177.3	171.8	168.4	164.5	162.2	157.2	150.5	144.3	139.3	133.2
70°	146.0	138.7	133.7	128.1	126.9	121.9	117.5	110.7	105.1	98.5	89.5
72.5°	109.7	102.4	98.5	92.9	89.5	86.7	80.6	74.4	65.5	60.4	52.6
75°	77.2	71.1	65.5	59.9	57.6	53.7	48.7	42.0	36.4	31.3	25.7
77.5°	48.1	44.2	39.1	34.7	32.5	30.2	26.3	21.3	17.3	13.4	10.0
80°	27.4	24.0	20.7	17.3	16.2	15.1	11.7	9.0	7.3	5.1	3.4
82.5°	12.9	10.6	9.0	7.3	6.7	5.6	3.9	2.7	1.7	1.2	0.5
85°	3.9	2.7	2.2	1.7	1.2	1.2	0.5	0.5	0.5	0.5	0.5
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°	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1
2.5°	1689.7	1690.2	1690.8	1690.8	1690.8	1691.4	1691.4	1692.4	1693.1	1693.6	1693.6
5°	1680.7	1682.4	1683.5	1684.1	1684.6	1686.3	1686.9	1688.5	1689.7	1690.8	1691.9
7.5°	1668.4	1670.1	1672.3	1673.5	1674.6	1676.8	1678.5	1681.3	1683.0	1685.2	1687.5
10°	1652.8	1655.0	1658.4	1659.4	1660.6	1663.3	1666.7	1670.1	1672.9	1676.2	1679.0
12.5°	1629.8	1633.2	1637.1	1638.2	1639.9	1643.8	1647.7	1652.8	1656.7	1661.1	1665.7
15°	1601.3	1605.8	1608.6	1609.7	1611.9	1617.5	1621.5	1627.1	1633.2	1639.9	1644.9
17.5°	1561.6	1563.8	1568.9	1571.1	1573.9	1579.5	1585.6	1592.4	1598.0	1605.2	1613.0
20°	1509.6	1512.9	1519.1	1521.3	1524.7	1529.8	1538.6	1544.3	1553.2	1562.1	1567.7
22.5°	1444.7	1450.9	1457.0	1459.7	1462.1	1468.2	1474.3	1483.9	1491.2	1503.4	1510.7
25°	1377.6	1379.3	1384.3	1389.3	1390.5	1398.3	1405.6	1416.7	1424.0	1431.8	1441.9
27.5°	1300.4	1302.6	1310.4	1311.6	1312.1	1320.6	1328.9	1337.9	1344.0	1352.9	1358.0
30°	1219.9	1223.8	1227.2	1229.4	1233.3	1237.2	1245.0	1256.3	1260.7	1268.5	1275.2
32.5°	1137.6	1137.6	1145.4	1146.1	1148.3	1157.2	1161.7	1168.4	1176.2	1182.3	1181.8
35°	1055.9	1058.2	1061.0	1064.9	1066.6	1072.2	1073.9	1078.9	1084.0	1088.4	1094.0
37.5°	971.5	971.5	977.7	980.4	982.1	985.0	987.7	992.8	995.6	997.2	1000.6
40°	891.0	893.2	894.3	895.5	895.5	899.4	901.6	905.5	907.2	911.7	909.5
42.5°	809.3	808.2	808.8	811.5	812.2	814.4	816.1	818.3	820.5	819.3	823.3
45°	722.6	723.2	724.3	724.3	726.0	728.8	731.6	732.7	734.4	737.2	737.7
47.5°	632.0	634.8	633.1	637.6	638.7	639.3	646.0	646.5	652.1	653.3	653.3
50°	547.5	547.5	550.9	552.6	553.7	555.4	557.6	559.9	561.5	565.4	566.6
52.5°	471.5	472.7	472.7	471.0	472.7	472.7	478.2	478.8	478.2	479.3	481.0
55°	403.3	403.8	400.4	402.7	402.1	400.4	401.6	398.2	397.7	399.4	398.2
57.5°	337.8	335.6	335.1	332.2	332.2	329.5	326.6	326.6	324.4	320.5	319.9
60°	279.1	275.7	273.5	271.8	267.4	264.5	260.6	257.3	252.8	247.8	244.9
62.5°	223.7	219.8	215.3	213.1	209.7	203.1	198.0	192.9	185.7	181.2	176.7
65°	174.5	168.4	161.1	157.7	154.4	148.2	141.5	133.2	125.9	119.7	111.9
67.5°	126.4	119.7	112.4	107.3	104.1	96.8	88.9	81.6	73.3	66.5	62.6
70°	82.8	74.4	67.7	63.8	60.4	53.1	45.9	39.7	35.7	34.2	33.5
72.5°	47.0	38.6	33.5	29.6	26.9	21.8	17.9	15.7	14.5	14.0	12.9
75°	20.1	15.1	11.7	9.5	8.4	6.7	6.1	6.1	6.1	5.6	5.6
77.5°	7.3	5.1	3.9	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P844391

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B35 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1	1693.1
2.5°	1694.1	1695.3	1695.3	1695.8	1696.3	1696.3	1696.3	1696.3
5°	1693.1	1694.1	1694.8	1695.3	1695.8	1696.3	1696.3	1696.3
7.5°	1688.5	1690.8	1691.4	1692.4	1693.6	1694.1	1694.1	1694.8
10°	1681.8	1684.1	1685.8	1686.9	1688.0	1689.1	1690.2	1690.2
12.5°	1669.6	1672.9	1675.1	1676.2	1679.0	1680.2	1681.3	1682.4
15°	1649.4	1653.9	1656.7	1658.9	1661.1	1664.5	1665.0	1666.7
17.5°	1619.2	1625.4	1626.4	1629.8	1632.7	1638.2	1637.6	1638.2
20°	1575.6	1582.3	1584.5	1587.8	1592.4	1596.3	1599.7	1596.8
22.5°	1517.4	1525.2	1528.6	1532.0	1534.7	1538.1	1542.6	1543.1
25°	1448.6	1455.3	1458.2	1460.4	1466.0	1468.7	1473.2	1473.8
27.5°	1369.7	1373.7	1377.6	1378.7	1384.9	1386.6	1390.5	1390.5
30°	1280.3	1284.7	1289.3	1290.8	1292.5	1294.2	1297.1	1298.7
32.5°	1188.6	1193.0	1194.7	1197.5	1198.1	1200.8	1199.7	1204.2
35°	1096.8	1097.9	1099.6	1099.1	1103.0	1102.4	1106.9	1106.3
37.5°	1004.5	1003.4	1006.2	1009.0	1007.9	1006.8	1008.5	1005.6
40°	912.2	912.8	913.4	916.1	913.4	915.1	913.9	913.4
42.5°	826.1	826.1	822.7	826.1	823.9	822.7	825.0	821.7
45°	738.9	738.3	738.9	739.4	739.4	739.4	737.2	739.4
47.5°	656.1	656.6	654.4	658.3	657.2	655.0	655.0	653.3
50°	568.3	571.7	575.6	572.2	574.9	573.3	571.7	573.3
52.5°	484.9	487.1	484.4	484.9	491.1	491.1	487.7	487.1
55°	396.0	396.0	397.1	397.7	398.2	405.5	401.6	402.7
57.5°	316.5	316.5	314.9	318.2	316.0	313.2	316.0	308.7
60°	240.5	240.0	238.3	236.1	230.5	228.8	222.6	222.0
62.5°	171.1	165.0	162.8	158.3	152.1	150.5	144.3	143.7
65°	106.3	99.0	96.8	94.6	91.7	91.2	88.9	90.0
67.5°	60.4	59.3	58.7	57.0	55.9	54.8	54.8	54.3
70°	31.8	29.6	29.1	28.6	28.6	26.3	25.7	26.9
72.5°	12.3	11.2	11.2	11.2	10.6	10.6	10.6	10.6
75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5
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)