

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: P844357

Luminaire Tested: **LD6C35DE010B2750 EU6C35B27 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844357
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 EU6C35B27 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

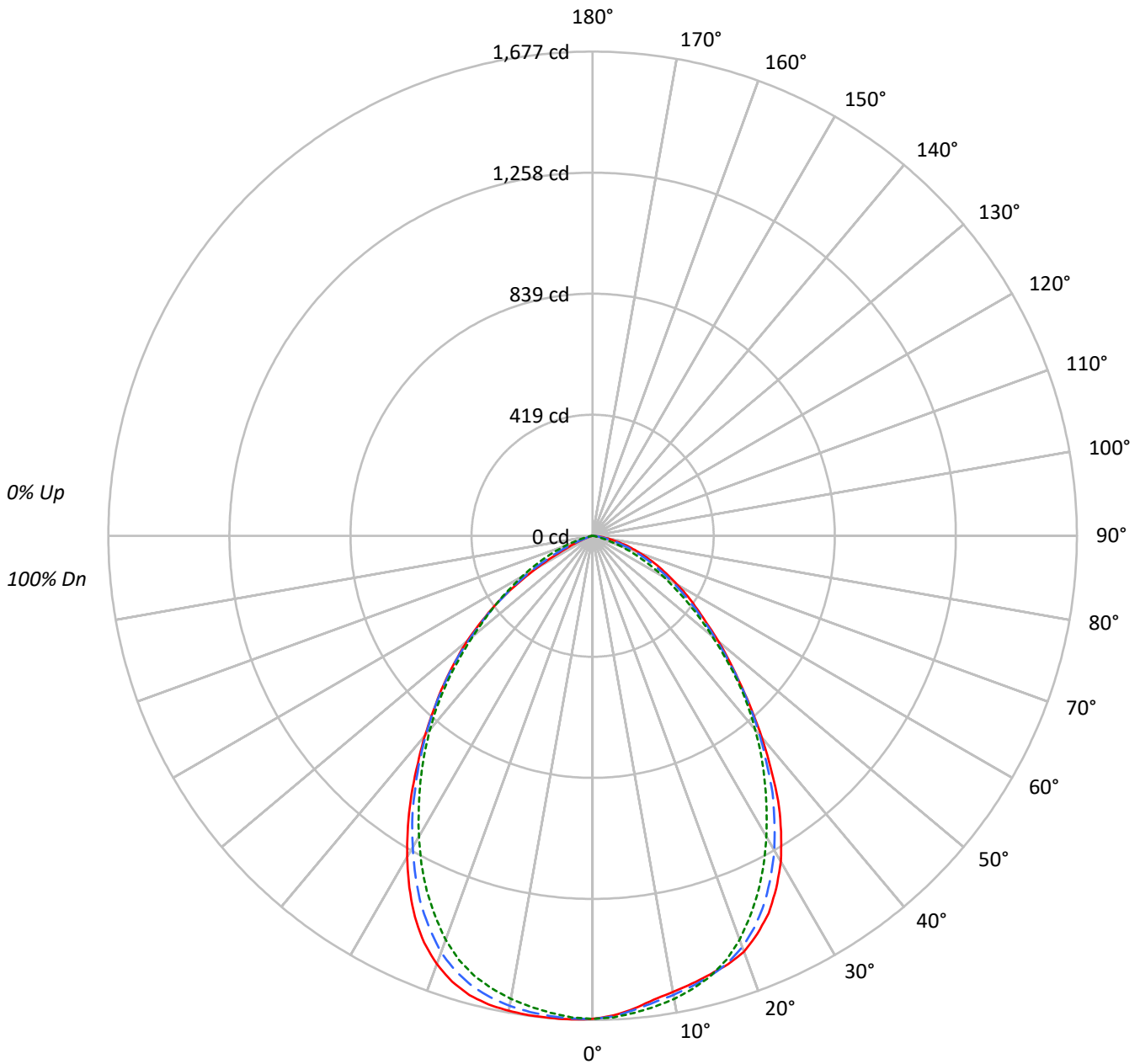
Lumens per Lamp: N/A
Luminaire Lumens: 3077.7 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	91742	91742	91742
5°	90480	91272	92274
10°	89277	90663	93001
15°	89234	89609	93502
20°	89433	86854	92081
25°	87247	82130	88118
30°	82487	76151	81266
35°	75001	69553	73180
40°	65194	62632	64607
45°	55890	54905	56657
50°	48476	46020	48331
55°	42063	38259	38049
60°	37037	30973	24066
65°	32481	23530	11558
70°	27921	15596	4248
75°	22706	6566	1165
80°	15374	1578	537
85°	6227	314	314



TEST NUMBER: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	5.1
10°-20°	449.0	14.6
20°-30°	643.4	20.9
30°-40°	670.5	21.8
40°-50°	555.5	18.0
50°-60°	368.2	12.0
60°-70°	178.3	5.8
70°-80°	50.5	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°	1249.9	40.6
0°-40°	1920.4	62.4
0°-60°	2844.0	92.4
0°-90°	3077.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3077.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1674	1674	1674	1674	1674	
5°	1644	1649	1659	1670	1677	156
15°	1572	1578	1579	1614	1648	445
25°	1442	1406	1358	1408	1457	660
35°	1121	1085	1039	1071	1094	695
45°	721	719	708	726	731	561
55°	440	426	400	393	398	398
65°	250	226	181	124	89	249
75°	107	82	31	6	6	115
85°	10	4	0	0	0	17
90°	0	0	0	0	0	



TEST NUMBER: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5
2.5°	1663.0	1663.6	1664.6	1663.6	1664.1	1664.6	1664.6	1665.1	1665.1	1665.8	1666.3
5°	1644.2	1645.8	1645.8	1645.8	1645.8	1646.4	1646.9	1646.9	1646.4	1646.4	1648.6
7.5°	1620.4	1622.1	1621.5	1622.1	1622.6	1624.3	1623.7	1624.8	1625.9	1627.6	1629.8
10°	1603.8	1604.3	1603.8	1605.5	1606.5	1607.7	1607.7	1608.8	1609.9	1611.5	1614.4
12.5°	1588.9	1589.4	1590.0	1591.1	1592.2	1591.6	1592.8	1593.9	1594.4	1595.5	1597.1
15°	1572.3	1575.0	1574.5	1575.0	1575.7	1576.2	1576.7	1577.2	1576.7	1576.7	1577.9
17.5°	1556.8	1557.4	1557.9	1557.9	1557.9	1557.9	1556.8	1556.8	1555.1	1553.6	1552.4
20°	1533.0	1532.5	1531.3	1531.3	1529.2	1529.8	1527.5	1526.4	1523.6	1519.8	1515.9
22.5°	1491.6	1494.3	1493.3	1489.4	1487.1	1487.1	1484.9	1479.9	1475.5	1471.2	1466.2
25°	1442.4	1441.2	1439.7	1437.4	1434.0	1431.9	1428.5	1425.3	1418.1	1410.4	1405.9
27.5°	1376.6	1378.2	1374.4	1371.1	1369.4	1366.0	1362.8	1358.3	1349.5	1342.9	1335.2
30°	1303.1	1301.9	1301.4	1297.0	1292.5	1293.7	1287.0	1282.1	1275.4	1264.4	1258.3
32.5°	1214.6	1216.3	1213.0	1212.4	1204.1	1203.0	1203.0	1195.2	1189.7	1179.3	1170.9
35°	1120.7	1119.5	1118.4	1114.5	1114.0	1110.7	1107.9	1102.4	1095.2	1091.9	1085.2
37.5°	1012.3	1012.8	1013.4	1013.4	1011.2	1009.0	1006.8	1006.8	996.8	995.1	987.4
40°	911.0	912.7	912.2	908.3	908.9	909.5	908.9	908.3	902.3	900.0	898.9
42.5°	812.7	815.4	812.7	812.2	812.7	812.7	811.6	813.2	810.5	812.7	807.7
45°	720.9	723.1	721.5	720.9	719.8	722.6	719.3	722.0	720.4	717.6	718.7
47.5°	641.9	639.7	641.9	640.7	639.1	636.9	640.2	638.5	634.7	634.2	635.2
50°	568.4	567.2	568.4	567.7	565.0	565.0	564.5	563.4	562.2	559.0	556.7
52.5°	498.1	502.0	499.2	502.0	498.1	496.5	497.0	495.4	493.2	492.0	487.6
55°	440.1	440.6	440.6	440.6	438.4	437.3	436.2	435.1	435.1	430.1	425.7
57.5°	389.7	388.7	388.2	386.5	385.3	384.2	383.1	379.8	376.5	372.1	368.8
60°	337.8	338.9	338.9	336.6	335.1	333.4	332.8	330.6	326.7	322.3	317.3
62.5°	293.0	294.1	291.4	291.4	288.0	287.5	287.5	284.2	279.7	274.8	269.3
65°	250.4	249.9	251.0	247.2	247.7	244.3	243.3	241.6	237.1	231.1	226.1
67.5°	210.0	211.2	209.5	208.5	206.2	205.1	204.0	199.0	196.8	191.3	185.7
70°	174.2	173.0	172.0	172.0	169.8	168.1	167.5	162.0	159.2	154.8	148.7
72.5°	140.5	139.3	138.2	136.5	134.8	134.3	131.0	127.7	124.4	118.9	114.4
75°	107.2	106.7	105.6	104.5	101.7	100.6	100.1	96.2	90.1	85.7	81.9
77.5°	77.4	77.9	75.7	73.5	71.9	70.2	69.1	65.8	61.9	56.9	53.1
80°	48.7	49.2	48.7	47.0	44.7	44.2	42.5	40.4	37.0	33.7	31.0
82.5°	26.0	26.0	25.4	24.9	23.3	23.3	22.1	20.4	18.8	17.1	14.9
85°	9.9	9.9	9.4	8.9	8.2	8.2	7.7	7.2	6.0	5.5	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



TEST NUMBER: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5
2.5°	1666.3	1666.8	1667.4	1668.0	1668.0	1668.0	1668.5	1669.1	1669.1	1669.6	1670.1
5°	1649.7	1650.2	1651.9	1652.4	1653.6	1653.0	1654.7	1656.4	1657.4	1658.6	1660.2
7.5°	1630.9	1632.6	1634.8	1636.5	1637.0	1637.5	1639.2	1641.4	1643.0	1645.3	1646.9
10°	1615.4	1617.1	1619.3	1621.5	1621.5	1622.6	1623.7	1625.4	1627.1	1628.7	1630.9
12.5°	1598.3	1600.5	1601.0	1602.2	1602.2	1602.7	1603.8	1604.3	1606.0	1606.5	1609.9
15°	1577.9	1577.9	1577.9	1577.9	1577.9	1577.2	1576.2	1577.2	1577.2	1578.9	1580.6
17.5°	1549.6	1549.6	1546.4	1544.7	1545.2	1542.5	1541.9	1539.7	1539.7	1539.7	1541.4
20°	1512.6	1507.7	1503.7	1498.8	1496.6	1495.5	1494.3	1489.4	1488.8	1488.8	1488.8
22.5°	1460.1	1454.6	1449.1	1445.2	1439.0	1436.9	1434.7	1431.3	1427.5	1425.3	1430.2
25°	1396.0	1389.3	1382.6	1374.9	1373.2	1370.5	1365.0	1361.7	1360.0	1357.8	1359.0
27.5°	1328.0	1318.6	1311.4	1303.6	1300.9	1297.5	1292.5	1287.6	1282.1	1283.1	1283.1
30°	1250.0	1238.9	1231.2	1221.8	1221.2	1218.0	1213.5	1207.4	1203.0	1203.0	1205.8
32.5°	1165.4	1157.7	1150.5	1140.0	1138.3	1136.1	1132.8	1127.2	1123.9	1120.7	1122.9
35°	1079.7	1067.6	1062.6	1055.9	1056.5	1050.4	1045.5	1042.1	1042.7	1039.3	1041.0
37.5°	987.4	980.2	973.0	970.3	967.5	964.1	961.9	959.7	958.6	958.6	957.6
40°	893.9	890.1	886.7	885.7	880.7	881.7	881.2	879.6	876.2	875.2	878.5
42.5°	806.0	802.2	800.5	797.8	797.2	795.6	795.6	793.9	793.3	793.9	793.3
45°	715.4	714.9	710.9	710.9	713.2	711.5	707.1	709.9	709.9	708.2	711.5
47.5°	631.9	632.5	630.2	625.8	625.8	623.1	619.8	622.5	624.2	621.4	623.1
50°	556.2	552.8	548.4	545.1	546.8	545.6	542.9	540.7	539.1	539.6	541.8
52.5°	484.3	482.6	477.6	473.8	472.7	473.3	469.9	466.6	467.2	466.6	465.5
55°	419.6	419.6	413.0	411.3	406.9	406.9	402.4	401.9	400.3	400.3	397.5
57.5°	363.8	358.7	354.9	351.0	349.4	347.2	345.5	341.6	340.0	336.6	336.1
60°	312.3	306.3	303.5	299.1	295.8	293.6	290.8	287.5	285.2	282.5	279.2
62.5°	266.5	259.9	254.4	249.9	247.2	246.5	242.2	238.3	233.8	230.6	225.0
65°	220.6	216.7	210.7	204.5	203.5	200.6	196.3	191.9	186.4	181.4	178.0
67.5°	180.2	175.2	169.8	166.4	162.6	160.3	155.4	148.7	142.7	137.7	131.6
70°	144.3	137.1	132.1	126.6	125.5	120.6	116.1	109.5	104.0	97.3	88.4
72.5°	108.4	101.2	97.3	91.8	88.4	85.7	79.6	73.5	64.7	59.8	51.9
75°	76.3	70.2	64.7	59.1	56.9	53.1	48.1	41.5	36.0	31.0	25.4
77.5°	47.6	43.7	38.7	34.3	32.0	29.8	26.0	21.0	17.1	13.2	9.9
80°	27.1	23.8	20.4	17.1	16.1	14.9	11.6	8.9	7.2	5.0	3.3
82.5°	12.7	10.5	8.9	7.2	6.7	5.5	3.9	2.7	1.7	1.1	0.5
85°	3.9	2.7	2.2	1.7	1.1	1.1	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



TEST NUMBER: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5
2.5°	1670.1	1670.7	1671.3	1671.3	1671.3	1671.8	1671.8	1673.0	1673.5	1674.0	1674.0
5°	1661.3	1663.0	1664.1	1664.6	1665.1	1666.8	1667.4	1669.1	1670.1	1671.3	1672.3
7.5°	1649.2	1650.9	1653.0	1654.1	1655.2	1657.4	1659.1	1661.9	1663.6	1665.8	1668.0
10°	1633.6	1635.8	1639.2	1640.3	1641.4	1644.2	1647.5	1650.9	1653.6	1656.9	1659.6
12.5°	1611.0	1614.4	1618.2	1619.3	1620.9	1624.8	1628.7	1633.6	1637.5	1642.0	1646.4
15°	1582.9	1587.2	1590.0	1591.1	1593.3	1598.8	1602.7	1608.2	1614.4	1620.9	1625.9
17.5°	1543.5	1545.7	1550.7	1552.9	1555.7	1561.3	1567.3	1574.0	1579.5	1586.7	1594.4
20°	1492.1	1495.5	1501.5	1503.7	1507.0	1512.0	1520.9	1526.4	1535.3	1544.1	1549.6
22.5°	1428.0	1434.0	1440.2	1442.9	1445.2	1451.2	1457.3	1466.7	1473.9	1486.1	1493.3
25°	1361.7	1363.3	1368.3	1373.2	1374.4	1382.1	1389.3	1400.4	1407.6	1415.3	1425.3
27.5°	1285.3	1287.6	1295.3	1296.4	1297.0	1305.2	1313.6	1322.5	1328.5	1337.4	1342.3
30°	1205.8	1209.6	1213.0	1215.1	1219.0	1222.9	1230.7	1241.7	1246.1	1253.8	1260.5
32.5°	1124.5	1124.5	1132.2	1132.8	1134.9	1143.8	1148.3	1154.9	1162.7	1168.7	1168.2
35°	1043.8	1046.0	1048.7	1052.7	1054.2	1059.9	1061.4	1066.4	1071.4	1075.8	1081.3
37.5°	960.3	960.3	966.4	969.1	970.8	973.6	976.3	981.3	984.0	985.7	989.1
40°	880.7	882.9	884.0	885.1	885.1	888.9	891.2	895.1	896.8	901.1	898.9
42.5°	800.0	798.8	799.5	802.2	802.7	805.0	806.7	808.8	811.0	809.9	813.7
45°	714.3	714.9	715.9	715.9	717.6	720.4	723.1	724.3	725.9	728.6	729.2
47.5°	624.7	627.5	625.8	630.2	631.3	631.9	638.5	639.1	644.6	645.7	645.7
50°	541.2	541.2	544.6	546.3	547.3	549.0	551.2	553.4	555.0	559.0	560.0
52.5°	466.1	467.2	467.2	465.5	467.2	467.2	472.7	473.3	472.7	473.8	475.4
55°	398.6	399.2	395.9	398.1	397.5	395.9	396.9	393.7	393.1	394.7	393.7
57.5°	333.9	331.7	331.1	328.4	328.4	325.6	322.9	322.9	320.7	316.8	316.2
60°	275.8	272.6	270.3	268.6	264.3	261.4	257.6	254.4	249.9	244.9	242.2
62.5°	221.2	217.2	212.8	210.7	207.3	200.6	195.7	190.7	183.5	179.2	174.7
65°	172.5	166.4	159.2	155.9	152.6	146.5	139.8	131.6	124.4	118.3	110.5
67.5°	124.9	118.3	111.2	106.2	102.8	95.6	87.9	80.7	72.4	65.8	61.9
70°	81.9	73.5	66.8	63.0	59.8	52.6	45.4	39.2	35.4	33.7	33.2
72.5°	46.4	38.2	33.2	29.3	26.5	21.6	17.7	15.4	14.4	13.9	12.7
75°	19.9	14.9	11.6	9.4	8.2	6.7	6.0	6.0	6.0	5.5	5.5
77.5°	7.2	5.0	3.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	1.1	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: P844357

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5	1673.5
2.5°	1674.6	1675.7	1675.7	1676.2	1676.8	1676.8	1676.8	1676.8
5°	1673.5	1674.6	1675.2	1675.7	1676.2	1676.8	1676.8	1676.8
7.5°	1669.1	1671.3	1671.8	1673.0	1674.0	1674.6	1674.6	1675.2
10°	1662.4	1664.6	1666.3	1667.4	1668.5	1669.6	1670.7	1670.7
12.5°	1650.2	1653.6	1655.8	1656.9	1659.6	1660.8	1661.9	1663.0
15°	1630.3	1634.8	1637.5	1639.8	1642.0	1645.3	1645.8	1647.5
17.5°	1600.5	1606.5	1607.7	1611.0	1613.7	1619.3	1618.7	1619.3
20°	1557.4	1564.0	1566.2	1569.5	1574.0	1577.9	1581.2	1578.4
22.5°	1499.8	1507.7	1510.9	1514.2	1517.1	1520.3	1524.8	1525.3
25°	1431.9	1438.5	1441.2	1443.5	1449.1	1451.8	1456.3	1456.8
27.5°	1353.9	1357.8	1361.7	1362.8	1368.9	1370.5	1374.4	1374.4
30°	1265.5	1269.9	1274.3	1275.9	1277.6	1279.3	1282.1	1283.8
32.5°	1174.8	1179.3	1180.8	1183.6	1184.2	1187.0	1185.8	1190.3
35°	1084.2	1085.2	1086.9	1086.4	1090.2	1089.7	1094.1	1093.5
37.5°	992.9	991.8	994.6	997.3	996.2	995.1	996.8	994.1
40°	901.7	902.3	902.8	905.5	902.8	904.5	903.3	902.8
42.5°	816.6	816.6	813.2	816.6	814.4	813.2	815.4	812.2
45°	730.3	729.8	730.3	730.8	730.8	730.8	728.6	730.8
47.5°	648.5	649.1	646.8	650.7	649.6	647.4	647.4	645.7
50°	561.7	565.0	568.9	565.5	568.4	566.7	565.0	566.7
52.5°	479.3	481.5	478.8	479.3	485.5	485.5	482.1	481.5
55°	391.4	391.4	392.5	393.1	393.7	400.8	396.9	398.1
57.5°	313.0	313.0	311.3	314.5	312.3	309.6	312.3	305.1
60°	237.8	237.1	235.5	233.3	227.8	226.1	220.0	219.5
62.5°	169.2	163.1	160.9	156.4	150.4	148.7	142.7	142.0
65°	105.0	97.8	95.6	93.4	90.6	90.1	87.9	89.1
67.5°	59.8	58.6	58.1	56.4	55.3	54.2	54.2	53.6
70°	31.5	29.3	28.8	28.2	28.2	26.0	25.4	26.5
72.5°	12.2	11.1	11.1	11.1	10.5	10.5	10.5	10.5
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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)