

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: P844390

Luminaire Tested: **LD6C35DE010B35 EU6C35B35 6LBLWWH**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C35DE010B35 EU6C35B35 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

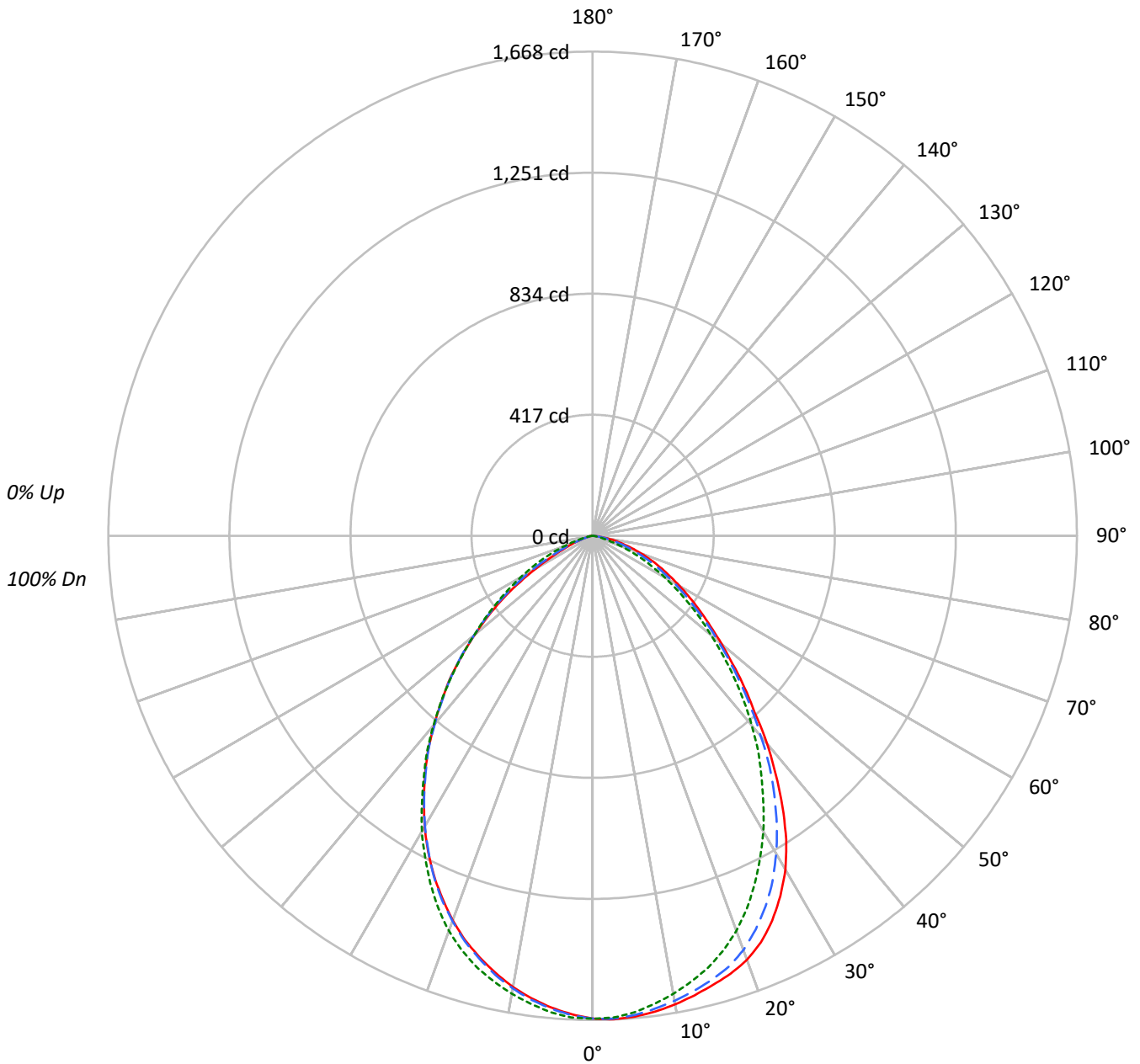
Lumens per Lamp: N/A  
Luminaire Lumens: 3025.9 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
RC	80									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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

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

	0°	90°	180°
0°	91199	91199	91199
5°	91509	90683	89786
10°	91231	89205	87896
15°	90892	87367	85335
20°	90687	84486	82234
25°	88481	79952	78192
30°	84070	74473	73233
35°	76299	67806	67358
40°	66947	61029	60699
45°	57394	53323	53758
50°	49406	45440	45210
55°	43181	38374	36013
60°	37957	31445	24581
65°	33220	24361	14801
70°	28322	16413	8703
75°	22854	8536	4723
80°	15880	3346	2652
85°	6290	1069	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	5.2
10°-20°	435.3	14.4
20°-30°	619.4	20.5
30°-40°	651.9	21.5
40°-50°	543.3	18.0
50°-60°	367.1	12.1
60°-70°	186.1	6.2
70°-80°	60.1	2.0
80°-90°	6.9	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°	1210.5	40.0
0°-40°	1862.5	61.6
0°-60°	2772.8	91.6
0°-90°	3025.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3025.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1664	1664	1664	1664	1664	
5°	1663	1658	1648	1636	1632	158
15°	1602	1584	1539	1509	1504	452
25°	1463	1410	1322	1294	1293	670
35°	1140	1091	1013	1003	1006	710
45°	740	721	688	690	693	573
55°	452	430	402	389	377	407
65°	256	231	188	136	114	255
75°	108	84	40	22	22	116
85°	10	6	2	2	2	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°	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6
2.5°	1667.5	1667.5	1667.5	1667.5	1667.5	1667.5	1666.8	1666.8	1665.8	1665.8	1665.2
5°	1662.9	1663.6	1663.6	1662.9	1662.9	1661.9	1661.9	1661.3	1659.6	1658.5	1657.9
7.5°	1653.5	1653.5	1652.9	1652.3	1651.8	1650.1	1649.6	1647.9	1646.7	1645.7	1643.4
10°	1638.9	1638.9	1638.4	1637.2	1636.7	1635.5	1635.5	1633.3	1631.1	1628.3	1626.6
12.5°	1621.6	1622.1	1621.0	1620.5	1618.8	1618.2	1617.1	1614.3	1612.7	1609.3	1606.4
15°	1601.5	1602.5	1602.5	1600.3	1598.6	1598.1	1596.4	1594.7	1590.8	1587.5	1584.1
17.5°	1581.9	1583.0	1581.9	1580.2	1578.5	1576.3	1575.1	1571.9	1566.8	1562.3	1557.3
20°	1554.5	1556.2	1553.9	1551.1	1547.7	1547.2	1545.5	1539.9	1532.7	1526.0	1518.7
22.5°	1515.9	1514.7	1513.2	1512.0	1506.4	1503.0	1500.8	1493.5	1485.7	1476.8	1467.8
25°	1462.8	1465.0	1461.6	1456.7	1453.8	1450.4	1444.9	1437.0	1429.8	1420.3	1409.6
27.5°	1400.2	1400.2	1395.7	1394.0	1387.8	1383.4	1380.6	1372.7	1363.3	1353.8	1342.0
30°	1328.1	1324.7	1324.7	1316.9	1311.8	1310.1	1307.3	1294.4	1286.1	1276.0	1264.3
32.5°	1240.8	1240.2	1238.0	1233.0	1226.2	1220.6	1220.6	1211.7	1200.5	1188.3	1181.0
35°	1140.1	1140.7	1139.6	1134.0	1134.0	1127.3	1126.2	1118.3	1109.4	1099.8	1090.9
37.5°	1036.2	1038.4	1036.2	1033.3	1031.6	1031.1	1026.1	1020.5	1013.7	1008.1	1001.5
40°	935.5	932.1	933.3	927.7	928.2	927.1	924.9	917.6	913.7	908.1	900.8
42.5°	827.0	830.3	831.5	828.1	827.0	824.7	827.0	824.2	819.8	816.9	810.3
45°	740.3	737.0	738.7	737.5	738.1	733.6	732.0	730.8	729.1	724.2	721.3
47.5°	654.3	654.8	654.3	652.0	650.9	650.9	648.6	645.3	645.3	641.9	639.7
50°	579.3	579.3	580.4	577.6	576.5	574.3	574.8	571.4	569.2	566.5	564.8
52.5°	510.5	511.0	508.8	509.4	508.3	508.3	506.1	503.9	501.5	496.6	495.4
55°	451.8	452.3	449.6	450.7	447.4	445.7	444.5	441.1	441.1	436.2	430.0
57.5°	397.0	396.4	395.9	394.2	392.0	390.3	388.6	384.7	383.1	379.7	374.6
60°	346.2	345.5	344.5	343.8	342.3	338.3	338.3	335.5	329.9	326.6	321.5
62.5°	298.0	298.0	297.5	295.8	294.1	292.4	291.4	289.1	283.4	279.5	275.1
65°	256.1	255.5	253.8	251.1	249.9	249.9	246.0	244.3	239.9	236.0	231.0
67.5°	215.9	213.6	212.5	213.0	209.7	209.7	206.3	203.5	199.6	192.9	189.0
70°	176.7	175.6	174.5	173.3	172.8	170.6	168.9	165.5	161.6	156.5	150.4
72.5°	141.5	141.5	139.8	138.7	137.0	134.7	133.7	130.8	126.4	120.8	116.3
75°	107.9	107.9	107.9	105.7	104.6	103.4	100.1	98.5	93.4	90.0	84.4
77.5°	79.4	78.3	76.6	76.0	74.9	73.8	72.1	69.4	64.8	60.9	57.6
80°	50.3	52.0	50.3	50.3	47.5	46.4	45.9	42.5	40.8	37.4	34.7
82.5°	27.9	28.6	27.4	26.9	25.2	24.6	24.6	22.3	21.3	19.0	17.3
85°	10.0	10.6	10.0	10.0	9.0	9.5	9.0	8.4	7.3	6.1	5.6
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6
2.5°	1665.2	1664.1	1664.1	1663.6	1662.9	1662.9	1662.9	1662.4	1661.3	1661.3	1660.7
5°	1656.8	1655.7	1654.0	1652.9	1652.3	1651.8	1651.2	1650.6	1648.4	1647.9	1646.2
7.5°	1641.8	1640.6	1637.9	1636.7	1635.0	1634.5	1632.2	1631.1	1628.9	1626.6	1625.5
10°	1623.8	1621.0	1618.8	1616.0	1614.9	1613.2	1610.4	1607.1	1605.4	1602.5	1600.3
12.5°	1603.7	1600.3	1595.9	1592.5	1591.4	1588.6	1584.1	1581.4	1577.5	1572.9	1569.0
15°	1578.5	1574.6	1570.7	1564.6	1562.9	1559.5	1555.0	1549.4	1543.8	1539.4	1534.9
17.5°	1551.1	1545.0	1538.9	1532.1	1527.1	1525.4	1518.1	1510.3	1505.2	1497.4	1492.4
20°	1512.5	1504.2	1494.1	1487.4	1482.9	1477.8	1469.5	1461.1	1455.0	1448.2	1440.9
22.5°	1459.4	1451.6	1439.9	1429.8	1426.4	1419.1	1411.9	1404.1	1396.3	1389.0	1380.0
25°	1396.8	1388.5	1376.6	1366.6	1361.0	1357.7	1343.7	1335.9	1328.1	1321.8	1315.7
27.5°	1332.5	1317.4	1309.6	1293.9	1288.8	1287.8	1274.9	1266.5	1258.2	1249.7	1241.9
30°	1253.1	1241.3	1229.6	1218.4	1211.7	1207.8	1198.3	1187.6	1182.1	1176.5	1168.7
32.5°	1170.9	1160.2	1145.7	1135.2	1130.1	1124.5	1116.1	1108.8	1100.5	1094.3	1092.6
35°	1083.1	1071.4	1059.0	1051.2	1050.1	1043.4	1035.0	1028.9	1022.7	1013.2	1011.5
37.5°	989.2	982.4	974.1	962.9	957.9	957.9	949.4	945.0	937.2	936.6	932.1
40°	896.9	894.1	881.2	877.9	876.8	869.0	866.7	858.9	853.3	852.8	846.0
42.5°	805.8	798.5	796.3	790.7	785.6	784.6	779.5	776.1	773.9	770.5	767.2
45°	715.2	713.5	707.9	704.0	702.3	700.0	698.4	691.7	690.5	687.8	686.1
47.5°	636.9	632.5	627.4	622.9	622.3	619.0	615.1	615.1	608.9	608.4	607.3
50°	559.2	555.8	553.0	546.9	548.0	543.5	543.0	537.9	535.2	532.8	535.7
52.5°	491.0	484.3	483.1	478.1	476.4	477.0	470.9	469.2	468.0	465.8	464.6
55°	426.1	422.7	418.3	414.9	412.1	409.3	407.1	407.1	400.9	401.5	398.7
57.5°	369.0	366.3	360.7	355.7	354.5	351.1	348.4	345.5	345.0	341.1	338.3
60°	318.1	313.2	305.9	303.6	300.3	297.5	294.7	291.4	289.7	286.8	281.9
62.5°	270.6	262.3	259.4	255.0	251.1	249.4	244.9	241.0	238.2	234.3	230.4
65°	225.4	219.1	214.2	209.1	208.6	204.1	200.2	196.8	191.2	187.8	180.6
67.5°	183.9	178.4	172.8	167.7	163.8	162.8	156.5	152.6	148.7	142.0	135.9
70°	146.0	140.3	135.9	129.8	128.1	123.5	119.1	115.2	108.5	102.4	97.3
72.5°	111.3	105.1	100.1	95.6	92.9	88.9	84.4	80.0	73.3	67.1	62.6
75°	79.4	74.9	69.9	65.5	63.1	60.9	55.9	50.9	46.4	40.3	36.4
77.5°	53.7	49.2	44.7	40.8	38.1	36.4	33.0	29.1	25.2	21.8	19.0
80°	31.3	28.6	25.2	21.8	21.3	19.6	16.8	14.5	12.3	10.6	8.4
82.5°	15.1	13.4	11.2	9.5	8.4	7.8	6.7	5.6	4.4	3.9	3.9
85°	4.4	3.9	3.4	2.7	2.2	2.2	1.7	1.7	1.7	1.7	1.7
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6
2.5°	1659.0	1658.5	1657.9	1657.4	1656.3	1656.3	1654.6	1653.5	1653.5	1652.3	1651.8
5°	1644.5	1642.8	1642.3	1641.1	1640.1	1639.4	1637.2	1636.7	1635.5	1634.5	1634.5
7.5°	1623.8	1621.6	1619.3	1618.2	1617.7	1616.0	1614.9	1614.3	1612.7	1611.5	1609.3
10°	1596.4	1594.7	1592.0	1590.8	1589.7	1588.6	1585.8	1584.1	1583.6	1582.4	1581.4
12.5°	1564.6	1562.3	1559.5	1557.3	1556.2	1554.5	1551.7	1550.0	1550.0	1547.7	1547.7
15°	1530.4	1527.1	1522.0	1519.8	1519.3	1515.9	1513.7	1511.5	1508.6	1507.6	1507.6
17.5°	1486.8	1481.2	1476.8	1476.8	1474.6	1471.2	1467.8	1466.1	1464.5	1462.2	1461.1
20°	1435.4	1431.5	1426.4	1426.4	1421.4	1420.3	1416.9	1416.4	1412.5	1413.0	1411.3
22.5°	1373.3	1371.1	1368.3	1366.0	1363.3	1359.9	1358.2	1358.7	1357.0	1356.5	1356.0
25°	1310.7	1304.5	1301.2	1300.0	1299.0	1296.1	1295.1	1294.4	1294.4	1292.7	1293.4
27.5°	1238.6	1234.0	1229.6	1231.3	1229.1	1227.4	1226.2	1224.5	1225.7	1225.2	1225.7
30°	1164.8	1159.2	1156.3	1157.5	1156.9	1152.4	1154.7	1154.1	1154.7	1154.7	1155.8
32.5°	1087.0	1083.1	1082.6	1083.1	1078.0	1078.7	1076.4	1079.7	1080.3	1083.7	1080.9
35°	1008.1	1005.9	1002.0	1001.5	1002.0	1001.5	1001.5	1003.7	1003.2	1006.5	1005.4
37.5°	927.1	926.0	922.0	923.2	921.0	924.9	926.0	924.9	928.8	927.7	927.1
40°	847.7	846.0	843.8	848.2	845.5	843.3	847.2	843.8	844.9	848.2	848.2
42.5°	767.2	764.4	764.4	764.4	763.8	763.8	765.5	767.2	766.0	766.6	771.1
45°	686.1	685.6	683.9	685.0	684.4	687.3	687.3	688.3	690.5	692.9	691.7
47.5°	607.8	606.7	608.4	607.3	607.8	606.1	607.3	610.6	613.4	609.5	613.4
50°	534.5	532.3	531.8	533.5	532.8	532.3	533.5	533.5	532.3	532.3	536.2
52.5°	464.6	462.4	460.7	463.6	461.9	462.4	460.2	460.2	461.3	460.2	458.5
55°	399.3	397.6	395.3	396.4	393.7	393.1	390.9	390.9	389.2	388.0	384.7
57.5°	336.6	335.5	330.5	329.9	330.5	326.6	322.7	321.0	316.4	315.4	314.9
60°	281.2	275.1	272.3	269.0	266.7	265.0	260.6	257.7	251.1	247.2	246.6
62.5°	223.7	220.8	217.6	212.5	211.3	205.8	201.3	194.1	190.7	185.6	180.6
65°	177.3	170.0	165.0	162.1	157.7	152.6	147.6	139.8	135.9	129.8	124.7
67.5°	129.8	123.5	116.9	114.6	110.7	104.6	99.5	92.9	89.5	83.9	82.2
70°	88.9	83.3	78.3	74.9	72.1	66.0	60.9	58.7	55.3	54.3	54.3
72.5°	57.0	52.0	46.4	44.7	42.5	39.1	35.7	34.7	35.7	35.2	35.2
75°	31.8	29.1	25.2	23.5	23.5	22.3	21.8	21.8	21.8	21.8	21.8
77.5°	16.2	14.5	13.4	12.9	12.9	12.9	13.4	13.4	13.4	14.0	13.4
80°	7.8	7.3	7.3	7.3	7.8	7.8	7.8	7.8	7.8	8.4	7.8
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	4.4	4.4	4.4	4.4	4.4
85°	1.7	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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: P844390

CATALOG NUMBER: LD6C35DE010B35 EU6C35B35 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6	1663.6
2.5°	1651.2	1650.1	1650.1	1649.6	1649.6	1649.6	1649.6	1650.1
5°	1633.3	1632.8	1632.8	1631.6	1631.6	1631.6	1631.6	1631.6
7.5°	1609.3	1608.1	1608.8	1607.6	1607.6	1608.1	1607.6	1607.1
10°	1579.7	1579.0	1579.7	1579.7	1578.5	1578.0	1578.5	1579.0
12.5°	1546.0	1545.5	1544.5	1545.0	1545.0	1544.5	1543.8	1542.8
15°	1506.9	1506.4	1505.9	1505.2	1504.7	1505.2	1504.7	1503.6
17.5°	1461.1	1461.1	1460.6	1460.0	1459.4	1458.3	1458.9	1460.6
20°	1411.9	1411.3	1410.2	1410.8	1408.6	1407.4	1408.0	1409.6
22.5°	1355.5	1353.8	1354.8	1353.1	1353.1	1353.8	1353.1	1352.1
25°	1293.9	1291.7	1292.7	1293.4	1293.4	1292.7	1292.2	1292.7
27.5°	1225.7	1227.4	1227.4	1226.2	1227.9	1225.7	1226.9	1227.4
30°	1155.8	1154.1	1153.6	1155.8	1159.2	1156.3	1156.3	1156.9
32.5°	1083.7	1081.4	1081.4	1082.6	1082.0	1082.0	1084.2	1081.4
35°	1006.5	1007.6	1003.2	1005.9	1007.1	1005.9	1006.5	1006.5
37.5°	928.8	927.7	927.7	927.7	929.3	929.3	930.4	929.9
40°	852.1	849.9	849.4	850.4	848.2	849.9	849.9	848.2
42.5°	769.4	770.0	772.8	770.0	770.5	770.0	768.9	768.3
45°	692.9	694.4	693.4	692.9	693.4	691.2	691.7	693.4
47.5°	611.7	615.1	611.7	614.0	613.4	612.3	611.2	608.9
50°	535.7	536.7	536.2	535.7	535.2	534.5	531.8	530.1
52.5°	458.0	458.0	458.0	458.0	452.3	455.2	454.0	450.7
55°	381.9	383.6	381.4	381.4	377.5	377.5	376.3	376.8
57.5°	308.6	307.0	305.3	305.3	301.4	299.7	298.0	295.8
60°	240.4	238.8	236.5	233.7	229.8	229.8	228.7	224.2
62.5°	176.1	173.3	171.7	169.4	166.0	163.8	162.1	163.3
65°	120.8	118.0	115.7	115.7	115.7	114.6	114.1	114.1
67.5°	79.4	81.1	80.0	81.1	81.1	80.0	79.4	80.5
70°	54.8	54.8	54.3	54.3	54.3	54.3	53.7	54.3
72.5°	35.2	35.2	35.2	35.7	35.2	35.2	35.7	35.7
75°	22.3	22.3	22.3	23.0	22.3	22.3	23.0	22.3
77.5°	13.4	14.0	14.0	14.0	14.0	13.4	14.0	14.0
80°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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)