

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: P844389

Luminaire Tested: **LD6C35DE010B35 EU6C35B35 6LBLDWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844389  
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: LD6C35DE010B35 EU6C35B35 6LBLDWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

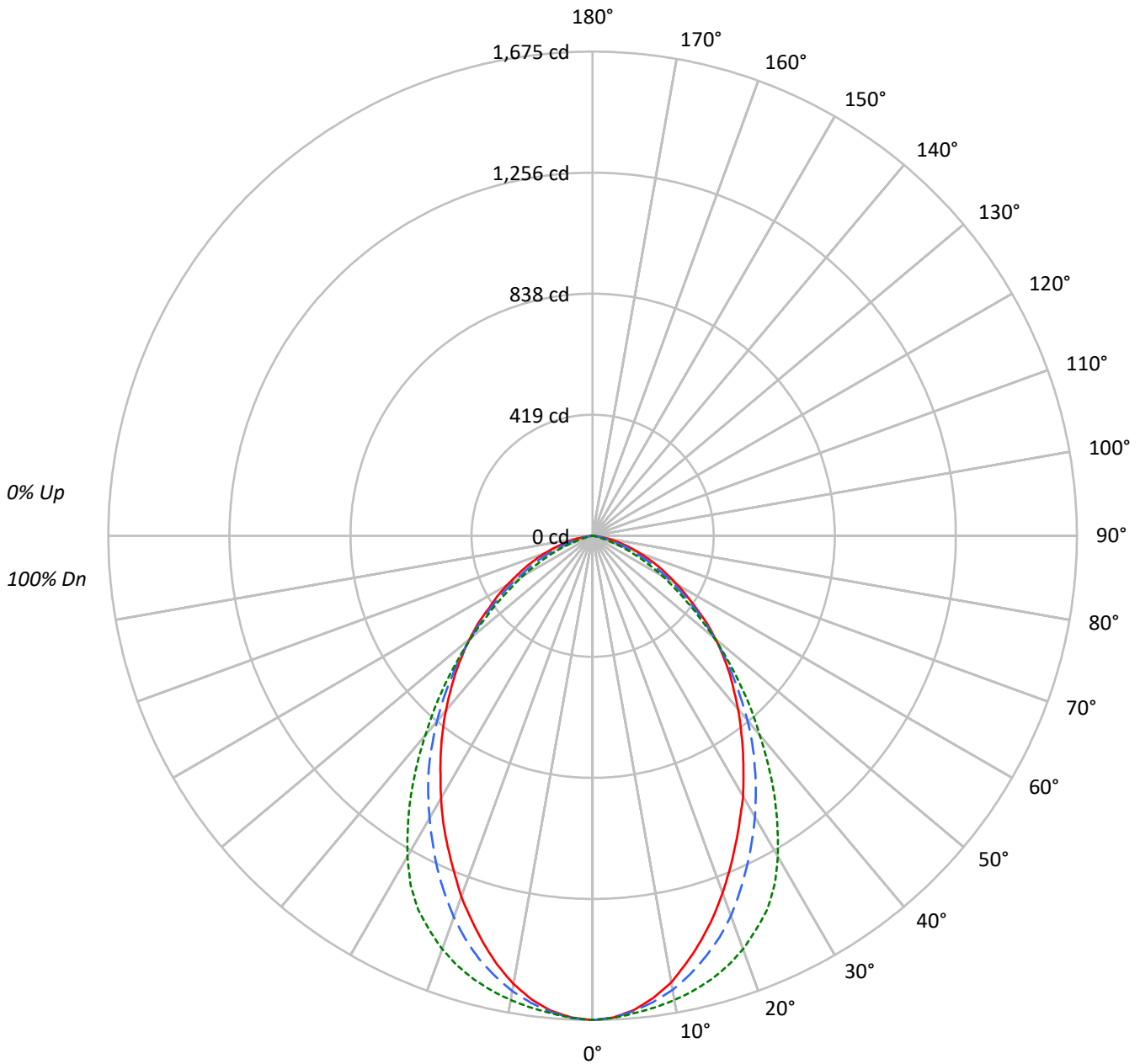
Lumens per Lamp: N/A  
Luminaire Lumens: 2998.4 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

	0°	90°	180°
0°	91829	91829	91829
5°	90606	91256	90766
10°	87301	90785	87640
15°	82276	90148	82815
20°	76674	88750	77491
25°	70909	86370	71750
30°	65852	81076	66314
35°	60592	73321	61275
40°	55991	64321	56513
45°	51734	55587	51905
50°	47316	46608	47273
55°	41795	38058	41958
60°	36905	30535	37464
65°	32507	22700	32714
70°	27344	14249	28050
75°	21689	6058	22261
80°	14490	1389	15532
85°	5975	314	7045



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.1	5.2
10°-20°	425.9	14.2
20°-30°	588.0	19.6
30°-40°	618.5	20.6
40°-50°	532.7	17.8
50°-60°	379.2	12.6
60°-70°	213.8	7.1
70°-80°	75.8	2.5
80°-90°	8.5	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°	1169.9	39.0
0°-40°	1788.4	59.6
0°-60°	2700.3	90.1
0°-90°	2998.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2998.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1675	1675	1675	1675	1675	
5°	1646	1650	1658	1654	1649	155
15°	1450	1508	1588	1516	1459	406
25°	1172	1262	1428	1270	1186	540
35°	905	978	1096	988	916	567
45°	667	686	717	687	670	514
55°	437	423	398	423	439	394
65°	251	215	175	216	252	248
75°	102	69	29	70	105	111
85°	10	4	0	4	11	16
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°	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1
2.5°	1667.8	1668.3	1668.3	1668.9	1668.3	1668.3	1668.9	1668.9	1668.3	1668.9	1668.9
5°	1646.5	1646.0	1646.5	1647.2	1648.7	1648.7	1648.2	1648.2	1649.9	1649.4	1650.4
7.5°	1611.8	1611.8	1613.5	1614.7	1614.7	1615.2	1616.4	1618.6	1620.8	1621.4	1625.3
10°	1568.3	1568.8	1568.3	1570.5	1572.2	1574.9	1574.4	1578.3	1582.2	1587.8	1595.1
12.5°	1510.6	1512.3	1515.7	1515.7	1520.7	1523.5	1523.0	1531.9	1539.2	1545.8	1554.8
15°	1449.7	1449.2	1451.9	1456.4	1461.4	1465.4	1467.0	1478.8	1486.1	1497.2	1508.4
17.5°	1384.2	1382.5	1387.1	1389.8	1398.2	1403.3	1406.7	1416.7	1428.4	1441.9	1457.0
20°	1314.3	1317.2	1318.2	1322.1	1333.4	1337.3	1342.9	1354.1	1365.8	1381.5	1398.8
22.5°	1242.7	1246.6	1248.9	1253.9	1262.9	1266.2	1271.8	1288.1	1300.9	1314.9	1331.1
25°	1172.3	1176.7	1180.6	1186.8	1193.0	1198.0	1205.3	1216.5	1231.0	1243.9	1262.3
27.5°	1103.4	1107.4	1108.5	1115.8	1123.1	1129.8	1133.7	1147.1	1159.4	1175.0	1193.0
30°	1040.3	1038.1	1040.8	1047.0	1055.4	1059.9	1066.5	1075.5	1088.9	1104.1	1122.5
32.5°	970.9	970.9	975.5	982.6	989.4	992.7	995.0	1007.3	1020.7	1035.2	1050.3
35°	905.4	907.8	911.7	916.1	923.4	926.2	931.2	940.1	950.8	967.0	978.2
37.5°	842.3	844.0	847.9	852.3	858.0	863.6	865.8	875.3	883.1	896.6	907.1
40°	782.4	783.0	787.5	789.2	794.2	796.4	800.9	805.9	817.1	822.7	832.8
42.5°	722.0	724.8	726.5	730.4	731.0	735.5	737.7	739.4	748.4	751.7	757.3
45°	667.3	667.3	669.0	669.0	671.7	670.0	673.4	676.8	677.3	682.9	686.3
47.5°	610.1	608.5	610.8	610.1	609.6	609.6	610.8	611.3	613.0	616.9	618.6
50°	554.8	550.9	550.9	550.4	549.8	551.5	551.5	550.9	550.9	552.6	550.9
52.5°	498.4	497.2	494.4	492.2	491.1	491.1	491.1	488.8	488.8	487.7	483.8
55°	437.3	439.0	438.0	436.8	436.3	434.6	434.6	431.7	427.3	425.1	422.8
57.5°	384.8	387.0	387.0	384.8	382.0	380.9	378.1	376.4	372.5	368.6	364.1
60°	336.6	339.5	335.6	333.9	333.4	331.7	330.5	324.4	320.5	316.5	311.5
62.5°	290.8	291.9	289.2	287.5	285.8	284.1	283.6	278.5	271.8	266.7	260.6
65°	250.6	248.9	247.8	244.9	242.2	240.0	240.0	233.2	227.1	220.9	214.8
67.5°	208.6	209.7	208.0	205.8	201.4	199.2	195.8	191.3	185.7	179.5	172.3
70°	170.6	170.1	168.4	166.2	163.3	159.4	156.6	154.4	146.5	139.3	133.2
72.5°	135.9	135.4	133.7	130.8	126.9	125.3	123.0	117.5	111.3	105.1	98.5
75°	102.4	102.9	100.2	99.0	94.6	92.9	92.3	85.6	80.5	75.0	68.7
77.5°	73.3	73.3	70.4	68.2	66.0	64.8	62.6	58.7	54.8	49.2	44.2
80°	45.9	45.9	45.9	43.6	41.4	40.3	38.6	35.7	31.8	28.6	25.2
82.5°	24.6	24.6	23.5	23.0	21.8	20.7	20.1	19.0	16.2	14.5	12.3
85°	9.5	9.5	9.0	9.0	7.8	7.8	7.3	6.7	5.6	5.1	4.4
87.5°	1.2	1.2	1.2	1.2	0.5	0.5	0.5	0.5	0.5	0.5	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°	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1
2.5°	1669.5	1669.5	1668.9	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1670.0
5°	1651.6	1653.3	1653.8	1654.4	1655.5	1656.0	1656.6	1657.2	1657.7	1658.3	1658.3
7.5°	1628.7	1632.6	1635.3	1638.2	1639.3	1640.4	1642.1	1644.3	1646.0	1646.0	1645.5
10°	1601.3	1606.3	1611.8	1616.9	1618.6	1621.4	1624.2	1627.5	1630.3	1630.9	1630.9
12.5°	1565.4	1571.0	1581.2	1589.5	1592.9	1596.8	1602.4	1607.4	1610.2	1611.8	1611.3
15°	1520.7	1532.4	1546.5	1556.0	1560.4	1567.1	1576.1	1581.7	1586.1	1588.4	1587.3
17.5°	1472.0	1487.1	1502.3	1515.2	1521.3	1528.0	1540.3	1550.4	1557.0	1558.7	1557.6
20°	1416.7	1433.4	1449.7	1465.9	1474.3	1482.2	1495.0	1507.9	1519.1	1521.3	1519.6
22.5°	1350.7	1369.7	1389.3	1407.7	1417.2	1424.5	1442.9	1457.5	1470.4	1475.9	1472.0
25°	1282.5	1302.6	1323.3	1339.5	1350.2	1362.4	1379.3	1396.0	1411.6	1427.9	1413.3
27.5°	1209.7	1228.2	1250.0	1272.4	1282.5	1291.4	1308.7	1330.0	1346.3	1362.4	1346.3
30°	1137.1	1160.5	1180.1	1199.7	1210.9	1221.5	1238.8	1256.2	1271.8	1280.8	1270.7
32.5°	1068.8	1086.2	1105.8	1124.7	1132.5	1141.0	1155.5	1171.8	1186.8	1189.6	1182.9
35°	997.2	1012.4	1028.5	1040.8	1050.3	1059.3	1072.1	1082.3	1086.2	1095.6	1088.9
37.5°	916.1	929.6	944.0	953.0	961.4	968.7	978.2	987.2	990.5	997.8	992.7
40°	839.4	850.7	859.1	868.5	873.1	880.4	884.3	891.5	895.4	898.8	899.3
42.5°	765.6	771.9	778.0	784.7	786.4	788.0	797.6	802.5	806.4	808.8	805.4
45°	690.2	696.3	698.6	703.5	706.4	707.5	711.5	712.0	713.1	717.0	715.4
47.5°	621.4	621.9	623.6	625.8	627.0	627.0	629.2	627.0	628.1	628.7	629.7
50°	549.2	553.1	549.2	551.5	552.0	551.5	549.8	548.7	547.0	546.5	545.8
52.5°	481.0	481.5	479.3	477.6	475.9	476.5	472.0	469.8	470.3	467.1	471.0
55°	418.9	416.7	411.6	409.9	406.0	405.5	405.0	402.1	397.7	398.2	399.4
57.5°	359.1	355.2	350.1	347.3	346.2	341.7	341.2	336.6	333.9	333.4	333.4
60°	304.8	301.4	296.5	291.4	287.5	285.2	282.5	277.9	279.1	278.5	275.7
62.5°	253.4	249.5	242.2	236.6	234.4	232.7	228.8	225.4	223.7	225.4	223.7
65°	207.5	201.4	192.9	187.4	186.8	184.6	180.1	177.9	176.2	175.0	176.7
67.5°	165.0	156.6	151.6	144.3	141.0	139.8	133.7	130.3	130.8	130.3	130.8
70°	125.9	117.5	110.7	105.1	100.7	99.0	95.6	91.2	90.6	88.9	91.2
72.5°	91.2	83.9	77.7	71.6	67.7	65.5	60.9	56.5	55.4	54.3	54.3
75°	62.6	56.5	49.8	44.2	41.4	39.1	34.7	31.3	28.6	28.6	28.6
77.5°	39.1	34.2	29.1	25.2	23.5	21.3	17.3	14.0	12.9	11.2	11.7
80°	22.4	18.5	15.7	12.9	11.2	10.0	7.8	6.1	4.4	4.4	4.4
82.5°	10.6	9.0	6.7	5.6	5.1	3.9	2.7	2.2	1.7	1.2	1.2
85°	3.4	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°	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1
2.5°	1669.5	1670.0	1669.5	1670.0	1669.5	1670.6	1670.6	1670.0	1670.0	1670.0	1669.5
5°	1657.7	1657.7	1657.2	1657.2	1657.2	1656.6	1655.0	1655.0	1653.8	1653.3	1652.1
7.5°	1644.8	1643.8	1642.1	1641.6	1639.9	1638.2	1634.8	1632.0	1629.8	1627.0	1624.2
10°	1629.2	1626.4	1623.0	1620.8	1619.7	1615.7	1610.8	1604.0	1599.6	1594.5	1589.0
12.5°	1609.1	1605.7	1599.6	1595.1	1592.3	1585.1	1577.8	1569.4	1560.4	1551.4	1545.8
15°	1582.7	1577.2	1569.4	1564.9	1559.9	1549.8	1537.0	1525.2	1516.2	1506.2	1492.7
17.5°	1552.1	1543.6	1533.0	1525.7	1519.6	1506.2	1491.1	1475.9	1462.5	1450.2	1436.8
20°	1509.6	1499.4	1486.6	1477.1	1471.0	1453.6	1437.4	1419.5	1403.3	1388.7	1373.0
22.5°	1459.7	1442.9	1430.1	1418.9	1412.3	1392.6	1374.7	1355.7	1338.4	1325.5	1308.7
25°	1397.1	1380.8	1364.7	1355.7	1345.1	1324.4	1306.0	1286.4	1270.1	1253.9	1238.3
27.5°	1330.5	1311.6	1293.6	1283.0	1273.5	1253.4	1234.9	1217.0	1198.5	1180.6	1166.7
30°	1257.8	1238.8	1224.8	1211.4	1200.8	1184.5	1161.6	1143.7	1127.5	1111.4	1096.8
32.5°	1176.7	1161.1	1144.4	1137.6	1129.8	1110.2	1092.3	1075.0	1058.7	1042.5	1027.4
35°	1082.8	1070.4	1060.4	1053.2	1048.1	1030.8	1016.8	998.3	988.3	972.1	960.9
37.5°	986.6	980.4	973.8	964.8	957.5	947.4	939.1	923.9	912.2	900.5	888.2
40°	894.3	887.6	878.7	874.1	872.4	863.6	851.8	844.0	837.2	826.6	819.9
42.5°	804.2	800.9	792.0	789.7	787.5	779.7	774.1	767.3	762.9	755.0	751.7
45°	712.5	712.0	709.8	707.5	706.4	700.8	699.6	691.3	687.4	685.7	682.4
47.5°	631.4	629.7	626.4	629.7	624.7	624.2	624.2	622.5	620.8	616.4	615.8
50°	548.7	551.5	552.0	550.4	553.7	553.1	550.4	550.9	552.0	554.3	550.9
52.5°	472.6	474.9	478.8	477.1	479.8	482.7	481.5	486.0	484.4	486.6	491.1
55°	400.4	406.6	410.5	408.9	411.1	414.5	415.5	419.5	422.8	426.8	429.5
57.5°	338.3	340.0	345.6	347.3	347.9	350.7	356.3	362.5	366.4	369.1	372.0
60°	277.4	283.0	286.9	286.9	291.4	295.3	300.4	306.0	310.4	317.1	322.2
62.5°	225.9	227.1	232.7	233.2	236.6	243.3	247.2	255.6	261.2	268.4	275.2
65°	176.2	181.2	184.6	185.1	190.2	195.2	200.7	208.6	216.5	222.6	228.8
67.5°	132.0	134.7	139.3	143.2	144.3	151.6	159.9	167.2	174.0	179.5	187.4
70°	92.3	94.6	100.7	102.9	106.3	111.9	118.6	126.4	134.2	142.0	148.2
72.5°	56.5	61.6	65.5	68.7	71.6	78.3	85.6	92.3	99.0	105.7	113.5
75°	31.3	34.7	39.1	42.5	45.3	50.3	57.0	63.8	69.9	76.0	81.6
77.5°	14.0	17.3	21.3	23.5	25.7	30.2	35.2	40.8	45.9	50.3	55.4
80°	5.6	7.8	10.0	11.7	12.9	15.7	19.6	22.4	25.7	29.6	33.5
82.5°	2.2	2.7	3.9	5.1	5.6	7.3	9.0	10.6	13.4	15.1	17.3
85°	0.5	0.5	1.2	1.2	1.7	2.2	2.7	3.9	4.4	5.1	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	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: P844389

CATALOG NUMBER: LD6C35DE010B35 EU6C35B35 6LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1	1675.1
2.5°	1669.5	1668.9	1668.9	1668.9	1668.9	1668.3	1668.3	1668.3
5°	1652.7	1651.6	1651.1	1651.1	1649.4	1649.9	1649.9	1649.4
7.5°	1623.0	1622.0	1620.3	1621.4	1620.8	1619.1	1618.6	1618.1
10°	1584.4	1582.2	1581.7	1578.8	1577.2	1576.6	1576.6	1574.4
12.5°	1538.6	1532.4	1531.9	1529.1	1525.2	1523.0	1524.1	1520.7
15°	1487.7	1478.8	1474.3	1472.0	1467.6	1463.7	1460.3	1459.2
17.5°	1425.6	1415.5	1412.3	1409.9	1400.4	1399.9	1395.4	1393.7
20°	1360.8	1351.8	1346.8	1343.4	1336.1	1329.4	1328.9	1328.3
22.5°	1297.5	1283.0	1278.6	1273.5	1265.7	1260.1	1256.7	1253.9
25°	1226.0	1214.3	1206.4	1201.4	1195.8	1191.3	1186.8	1186.2
27.5°	1154.4	1143.2	1138.1	1133.7	1126.4	1121.4	1116.9	1119.2
30°	1084.5	1073.3	1067.7	1064.3	1057.1	1054.2	1046.4	1047.6
32.5°	1015.1	1005.1	1001.2	994.4	987.7	984.3	981.6	979.4
35°	948.6	940.1	934.5	930.1	923.9	918.3	915.6	915.6
37.5°	880.9	872.4	869.7	866.3	860.7	852.9	850.1	852.3
40°	812.1	805.9	803.2	800.9	795.3	792.5	789.7	789.7
42.5°	746.7	740.4	739.9	737.7	733.3	731.6	729.3	727.7
45°	678.5	675.6	673.4	673.4	672.9	672.2	670.5	669.5
47.5°	613.0	613.5	612.5	611.8	612.5	610.8	613.0	611.3
50°	553.1	552.0	553.1	552.0	552.6	554.8	552.6	554.3
52.5°	489.4	494.4	495.0	492.8	495.0	496.7	497.7	500.6
55°	432.9	434.6	435.6	438.0	439.0	442.4	439.0	439.0
57.5°	378.1	380.9	382.0	383.7	388.2	386.5	389.3	391.5
60°	328.3	331.7	333.9	335.6	337.3	341.2	342.3	341.7
62.5°	279.6	284.7	285.2	289.7	290.8	293.6	295.8	293.6
65°	234.4	238.8	242.2	244.9	248.3	251.1	250.6	252.2
67.5°	192.9	198.5	201.4	202.4	207.0	208.0	210.9	212.5
70°	155.5	159.4	162.8	164.5	167.2	170.6	173.3	175.0
72.5°	118.6	124.7	128.1	129.2	133.7	135.9	137.1	138.7
75°	87.8	92.9	94.6	97.3	99.5	104.6	104.1	105.1
77.5°	60.9	64.3	67.7	67.7	71.6	72.7	75.5	76.0
80°	36.4	40.3	42.0	42.5	45.3	47.0	48.1	49.2
82.5°	19.0	21.8	21.8	23.0	25.2	25.2	25.7	26.9
85°	7.3	8.4	9.0	9.0	9.5	10.6	10.6	11.2
87.5°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7
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)