

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: P844407

Luminaire Tested: **LD6C35DE010B40 EU6C35B40 6LBLWWH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844407  
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: LD6C35DE010B40 EU6C35B40 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

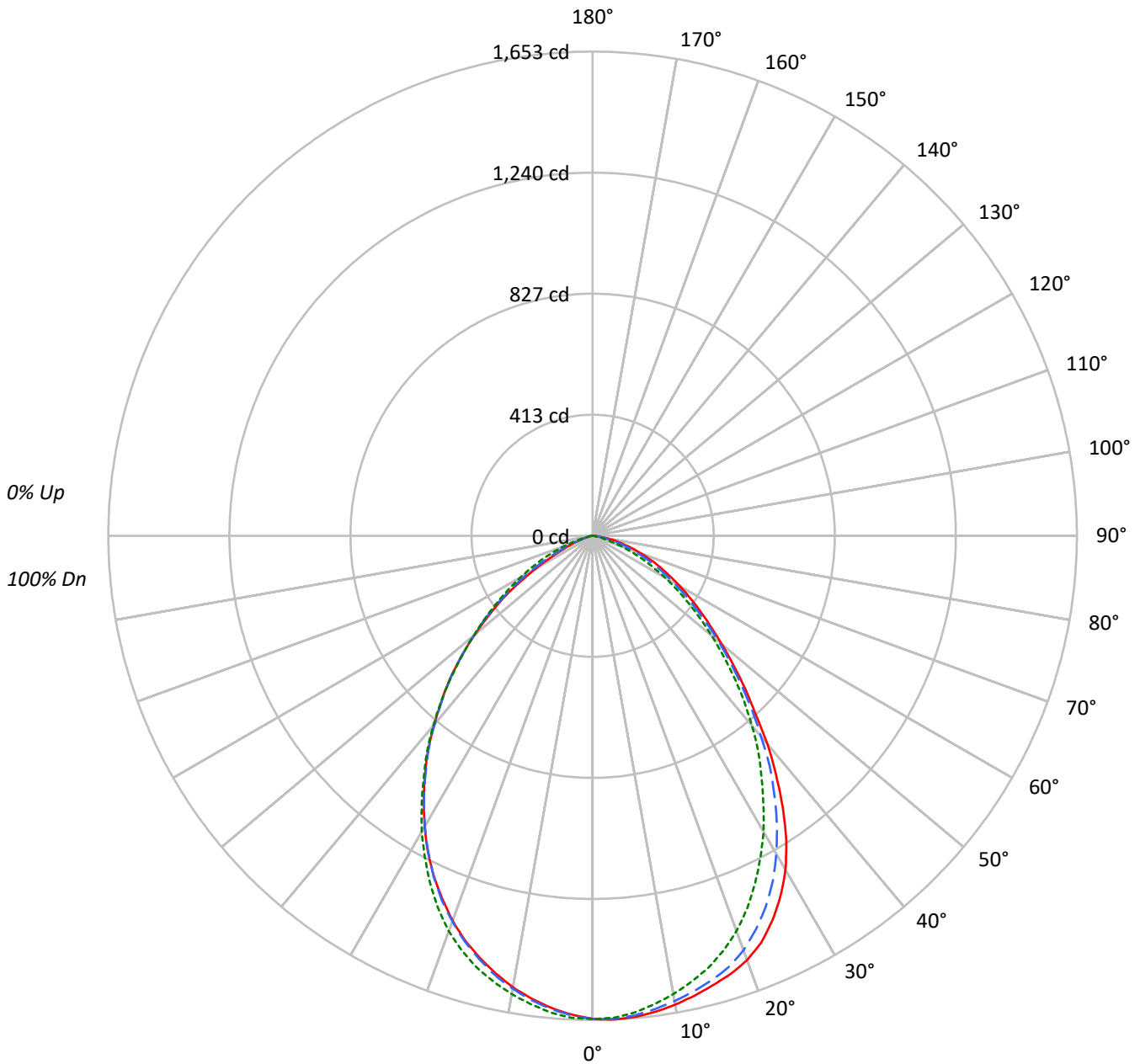
Lumens per Lamp: N/A  
Luminaire Lumens: 3000.5 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	90431	90431	90431
5°	90749	89918	89038
10°	90468	88459	87162
15°	90125	86635	84615
20°	89923	83780	81551
25°	87737	79287	77545
30°	83361	73847	72619
35°	75663	67244	66796
40°	66389	60513	60191
45°	56913	52874	53308
50°	48988	45065	44826
55°	42818	38049	35726
60°	37629	31182	24373
65°	32935	24179	14671
70°	28082	16253	8623
75°	22664	8451	4702
80°	15753	3346	2652
85°	6227	1069	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.6	5.2
10°-20°	431.6	14.4
20°-30°	614.2	20.5
30°-40°	646.5	21.5
40°-50°	538.7	18.0
50°-60°	364.0	12.1
60°-70°	184.5	6.2
70°-80°	59.6	2.0
80°-90°	6.8	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°	1200.4	40.0
0°-40°	1846.8	61.6
0°-60°	2749.6	91.6
0°-90°	3000.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3000.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1650	1650	1650	1650	1650	
5°	1649	1644	1634	1622	1618	157
15°	1588	1571	1526	1496	1491	449
25°	1450	1398	1311	1284	1282	665
35°	1131	1082	1005	995	998	704
45°	734	715	682	685	688	568
55°	448	426	398	386	374	403
65°	254	229	186	135	113	253
75°	107	84	40	22	22	115
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°	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6
2.5°	1653.4	1653.4	1653.4	1653.4	1653.4	1653.4	1652.9	1652.9	1651.8	1651.8	1651.2
5°	1649.1	1649.6	1649.6	1649.1	1649.1	1647.9	1647.9	1647.4	1645.7	1644.6	1644.0
7.5°	1639.5	1639.5	1639.0	1638.5	1638.0	1636.3	1635.7	1634.0	1632.9	1631.8	1629.6
10°	1625.2	1625.2	1624.6	1623.5	1622.9	1621.9	1621.9	1619.7	1617.4	1614.6	1613.0
12.5°	1608.0	1608.6	1607.4	1606.9	1605.2	1604.6	1603.6	1600.7	1599.1	1595.8	1593.0
15°	1588.0	1589.1	1589.1	1586.9	1585.3	1584.7	1583.1	1581.4	1577.5	1574.2	1570.8
17.5°	1568.6	1569.7	1568.6	1567.0	1565.3	1563.1	1561.9	1558.6	1553.7	1549.2	1544.3
20°	1541.4	1543.1	1540.9	1538.1	1534.8	1534.2	1532.6	1527.0	1519.8	1513.2	1506.0
22.5°	1503.2	1502.1	1500.4	1499.3	1493.8	1490.4	1488.2	1481.0	1473.3	1464.4	1455.5
25°	1450.5	1452.8	1449.4	1444.4	1441.7	1438.3	1432.8	1425.1	1417.8	1408.3	1397.9
27.5°	1388.4	1388.4	1384.0	1382.3	1376.2	1371.8	1369.0	1361.3	1351.8	1342.3	1330.7
30°	1316.9	1313.6	1313.6	1305.8	1300.8	1299.1	1296.3	1283.7	1275.3	1265.4	1253.7
32.5°	1230.3	1229.8	1227.6	1222.6	1216.0	1210.5	1210.5	1201.6	1190.5	1178.3	1171.0
35°	1130.6	1131.1	1130.0	1124.5	1124.5	1117.8	1116.8	1108.9	1100.0	1090.6	1081.7
37.5°	1027.5	1029.7	1027.5	1024.6	1023.0	1022.4	1017.4	1011.9	1005.3	999.7	993.1
40°	927.7	924.3	925.4	919.8	920.5	919.3	917.1	909.9	906.0	900.5	893.3
42.5°	820.1	823.4	824.5	821.1	820.1	817.9	820.1	817.3	812.9	810.0	803.5
45°	734.1	730.8	732.4	731.4	731.9	727.4	725.9	724.7	723.0	718.0	715.3
47.5°	648.8	649.3	648.8	646.5	645.4	645.4	643.1	639.9	639.9	636.6	634.4
50°	574.4	574.4	575.6	572.8	571.7	569.4	570.0	566.7	564.5	561.7	560.0
52.5°	506.3	506.8	504.6	505.1	504.1	504.1	501.8	499.6	497.4	492.3	491.3
55°	448.0	448.5	445.8	447.0	443.6	441.9	440.8	437.4	437.4	432.5	426.4
57.5°	393.7	393.1	392.6	390.9	388.7	387.0	385.4	381.5	379.8	376.5	371.5
60°	343.2	342.7	341.5	341.0	339.3	335.5	335.5	332.7	327.1	323.8	318.8
62.5°	295.5	295.5	295.0	293.3	291.7	290.0	288.8	286.6	281.1	277.2	272.8
65°	253.9	253.4	251.7	249.0	247.8	247.8	244.0	242.3	237.9	233.9	229.0
67.5°	214.1	211.8	210.7	211.2	207.9	207.9	204.7	201.8	198.0	191.3	187.4
70°	175.2	174.1	173.0	171.9	171.3	169.1	167.4	164.1	160.2	155.3	149.1
72.5°	140.2	140.2	138.7	137.5	135.8	133.6	132.5	129.8	125.3	119.7	115.3
75°	107.0	107.0	107.0	104.8	103.6	102.6	99.2	97.6	92.6	89.3	83.8
77.5°	78.7	77.6	75.9	75.4	74.4	73.2	71.5	68.7	64.3	60.4	57.1
80°	49.9	51.6	49.9	49.9	47.2	46.0	45.5	42.1	40.5	37.1	34.4
82.5°	27.7	28.2	27.2	26.7	25.0	24.4	24.4	22.2	21.0	18.8	17.2
85°	9.9	10.6	9.9	9.9	8.9	9.4	8.9	8.4	7.2	6.1	5.5
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°	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6
2.5°	1651.2	1650.1	1650.1	1649.6	1649.1	1649.1	1649.1	1648.4	1647.4	1647.4	1646.8
5°	1642.9	1641.8	1640.2	1639.0	1638.5	1638.0	1637.3	1636.8	1634.6	1634.0	1632.4
7.5°	1627.9	1626.9	1624.1	1622.9	1621.2	1620.7	1618.5	1617.4	1615.2	1613.0	1611.8
10°	1610.2	1607.4	1605.2	1602.4	1601.4	1599.7	1596.9	1593.5	1592.0	1589.1	1586.9
12.5°	1590.3	1586.9	1582.4	1579.2	1578.0	1575.2	1570.8	1568.0	1564.1	1559.7	1555.9
15°	1565.3	1561.4	1557.5	1551.4	1549.8	1546.5	1542.0	1536.4	1530.9	1526.5	1522.0
17.5°	1538.1	1532.0	1526.0	1519.3	1514.3	1512.6	1505.4	1497.6	1492.6	1484.9	1479.9
20°	1499.8	1491.6	1481.5	1474.9	1470.4	1465.5	1457.2	1448.9	1442.7	1436.1	1428.9
22.5°	1447.2	1439.4	1427.8	1417.8	1414.5	1407.3	1400.1	1392.3	1384.5	1377.4	1368.5
25°	1385.1	1376.7	1365.1	1355.1	1349.6	1346.3	1332.4	1324.7	1316.9	1310.8	1304.7
27.5°	1321.3	1306.4	1298.6	1283.0	1278.0	1277.0	1264.2	1255.9	1247.6	1239.2	1231.5
30°	1242.6	1231.0	1219.2	1208.2	1201.6	1197.7	1188.3	1177.7	1172.2	1166.6	1158.8
32.5°	1161.1	1150.5	1136.1	1125.5	1120.6	1115.1	1106.7	1099.5	1091.2	1085.1	1083.4
35°	1074.0	1062.4	1050.1	1042.4	1041.3	1034.7	1026.3	1020.2	1014.2	1004.8	1003.1
37.5°	980.8	974.2	965.9	954.8	949.9	949.9	941.5	937.1	929.3	928.7	924.3
40°	889.4	886.6	873.8	870.5	869.4	861.7	859.4	851.7	846.1	845.6	838.9
42.5°	799.0	791.7	789.5	784.0	779.1	777.9	772.9	769.6	767.4	764.0	760.8
45°	709.1	707.6	702.0	698.0	696.5	694.2	692.5	685.9	684.8	682.0	680.4
47.5°	631.5	627.1	622.1	617.7	617.1	613.9	609.9	609.9	603.8	603.3	602.1
50°	554.5	551.1	548.4	542.2	543.4	539.0	538.4	533.4	530.6	528.4	531.1
52.5°	486.8	480.2	479.1	474.0	472.4	473.0	466.8	465.3	464.1	461.9	460.8
55°	422.5	419.1	414.7	411.4	408.7	405.9	403.7	403.7	397.6	398.1	395.3
57.5°	365.9	363.2	357.6	352.6	351.6	348.2	345.4	342.7	342.1	338.2	335.5
60°	315.5	310.5	303.3	301.1	297.7	295.0	292.2	288.8	287.3	284.4	279.4
62.5°	268.3	260.1	257.3	252.9	249.0	247.3	242.8	239.0	236.2	232.4	228.4
65°	223.5	217.3	212.4	207.4	206.8	202.4	198.5	195.1	189.6	186.4	179.1
67.5°	182.4	176.8	171.3	166.4	162.5	161.4	155.3	151.3	147.5	140.9	134.7
70°	144.7	139.2	134.7	128.6	127.0	122.6	118.1	114.2	107.6	101.4	96.5
72.5°	110.3	104.3	99.2	94.8	92.0	88.2	83.8	79.3	72.7	66.5	62.1
75°	78.7	74.4	69.3	64.8	62.6	60.4	55.4	50.4	46.0	39.9	36.1
77.5°	53.2	48.8	44.3	40.5	37.7	36.1	32.7	28.9	25.0	21.6	18.8
80°	31.1	28.2	25.0	21.6	21.0	19.4	16.6	14.4	12.2	10.6	8.4
82.5°	15.0	13.3	11.1	9.4	8.4	7.7	6.7	5.5	4.4	3.9	3.9
85°	4.4	3.9	3.3	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°	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6
2.5°	1645.1	1644.6	1644.0	1643.5	1642.4	1642.4	1640.7	1639.5	1639.5	1638.5	1638.0
5°	1630.8	1629.1	1628.5	1627.4	1626.3	1625.7	1623.5	1622.9	1621.9	1620.7	1620.7
7.5°	1610.2	1608.0	1605.8	1604.6	1604.1	1602.4	1601.4	1600.7	1599.1	1598.0	1595.8
10°	1583.1	1581.4	1578.6	1577.5	1576.4	1575.2	1572.5	1570.8	1570.3	1569.2	1568.0
12.5°	1551.4	1549.2	1546.5	1544.3	1543.1	1541.4	1538.6	1537.1	1537.1	1534.8	1534.8
15°	1517.6	1514.3	1509.2	1507.0	1506.5	1503.2	1501.0	1498.8	1496.0	1494.9	1494.9
17.5°	1474.3	1468.8	1464.4	1464.4	1462.2	1458.8	1455.5	1453.8	1452.1	1449.9	1448.9
20°	1423.4	1419.5	1414.5	1414.5	1409.5	1408.3	1405.1	1404.5	1400.6	1401.2	1399.5
22.5°	1361.8	1359.6	1356.8	1354.6	1351.8	1348.5	1346.8	1347.4	1345.7	1345.2	1344.6
25°	1299.7	1293.6	1290.3	1289.1	1288.1	1285.2	1284.2	1283.7	1283.7	1282.0	1282.5
27.5°	1228.1	1223.7	1219.2	1220.9	1218.7	1217.1	1216.0	1214.3	1215.4	1214.9	1215.4
30°	1154.9	1149.4	1146.7	1147.7	1147.2	1142.8	1145.0	1144.5	1145.0	1145.0	1146.1
32.5°	1077.9	1074.0	1073.5	1074.0	1069.1	1069.6	1067.4	1070.6	1071.3	1074.6	1071.8
35°	999.7	997.5	993.6	993.1	993.6	993.1	993.1	995.2	994.7	998.1	996.9
37.5°	919.3	918.2	914.3	915.5	913.3	917.1	918.2	917.1	921.0	919.8	919.3
40°	840.6	838.9	836.7	841.1	838.4	836.2	840.1	836.7	837.9	841.1	841.1
42.5°	760.8	758.0	758.0	758.0	757.4	757.4	759.1	760.8	759.6	760.2	764.7
45°	680.4	679.7	678.2	679.2	678.7	681.4	681.4	682.6	684.8	687.0	685.9
47.5°	602.7	601.6	603.3	602.1	602.7	601.1	602.1	605.5	608.2	604.3	608.2
50°	530.1	527.9	527.3	528.9	528.4	527.9	528.9	528.9	527.9	527.9	531.8
52.5°	460.8	458.6	456.9	459.6	458.0	458.6	456.4	456.4	457.4	456.4	454.7
55°	395.9	394.2	392.1	393.1	390.4	389.8	387.6	387.6	385.9	384.8	381.5
57.5°	333.8	332.7	327.7	327.1	327.7	323.8	319.9	318.2	313.8	312.7	312.2
60°	278.9	272.8	270.0	266.7	264.5	262.8	258.4	255.6	249.0	245.1	244.5
62.5°	221.8	219.0	215.7	210.7	209.6	204.0	199.6	192.4	189.1	184.1	179.1
65°	175.8	168.6	163.6	160.8	156.3	151.3	146.4	138.7	134.7	128.6	123.6
67.5°	128.6	122.6	115.9	113.7	109.8	103.6	98.7	92.0	88.7	83.1	81.5
70°	88.2	82.6	77.6	74.4	71.5	65.5	60.4	58.2	54.9	53.8	53.8
72.5°	56.6	51.6	46.0	44.3	42.1	38.8	35.5	34.4	35.5	34.9	34.9
75°	31.6	28.9	25.0	23.3	23.3	22.2	21.6	21.6	21.6	21.6	21.6
77.5°	16.1	14.4	13.3	12.8	12.8	12.8	13.3	13.3	13.3	13.9	13.3
80°	7.7	7.2	7.2	7.2	7.7	7.7	7.7	7.7	7.7	8.4	7.7
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: P844407

CATALOG NUMBER: LD6C35DE010B40 EU6C35B40 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6	1649.6
2.5°	1637.3	1636.3	1636.3	1635.7	1635.7	1635.7	1635.7	1636.3
5°	1619.7	1619.0	1619.0	1618.0	1618.0	1618.0	1618.0	1618.0
7.5°	1595.8	1594.7	1595.2	1594.1	1594.1	1594.7	1594.1	1593.5
10°	1566.4	1565.8	1566.4	1566.4	1565.3	1564.8	1565.3	1565.8
12.5°	1533.1	1532.6	1531.5	1532.0	1532.0	1531.5	1530.9	1529.8
15°	1494.3	1493.8	1493.2	1492.6	1492.1	1492.6	1492.1	1490.9
17.5°	1448.9	1448.9	1448.3	1447.7	1447.2	1446.1	1446.6	1448.3
20°	1400.1	1399.5	1398.4	1398.9	1396.7	1395.7	1396.2	1397.9
22.5°	1344.0	1342.3	1343.5	1341.8	1341.8	1342.3	1341.8	1340.8
25°	1283.0	1280.8	1282.0	1282.5	1282.5	1282.0	1281.4	1282.0
27.5°	1215.4	1217.1	1217.1	1216.0	1217.7	1215.4	1216.5	1217.1
30°	1146.1	1144.5	1143.8	1146.1	1149.4	1146.7	1146.7	1147.2
32.5°	1074.6	1072.3	1072.3	1073.5	1072.9	1072.9	1075.1	1072.3
35°	998.1	999.1	994.7	997.5	998.6	997.5	998.1	998.1
37.5°	921.0	919.8	919.8	919.8	921.5	921.5	922.7	922.0
40°	845.0	842.8	842.3	843.4	841.1	842.8	842.8	841.1
42.5°	763.0	763.5	766.3	763.5	764.0	763.5	762.4	761.8
45°	687.0	688.6	687.6	687.0	687.6	685.3	685.9	687.6
47.5°	606.6	609.9	606.6	608.8	608.2	607.2	606.0	603.8
50°	531.1	532.3	531.8	531.1	530.6	530.1	527.3	525.6
52.5°	454.1	454.1	454.1	454.1	448.5	451.3	450.2	447.0
55°	378.7	380.3	378.1	378.1	374.3	374.3	373.1	373.8
57.5°	306.1	304.4	302.7	302.7	298.9	297.2	295.5	293.3
60°	238.4	236.8	234.6	231.7	227.9	227.9	226.8	222.3
62.5°	174.6	171.9	170.2	168.1	164.7	162.5	160.8	161.9
65°	119.7	117.0	114.8	114.8	114.8	113.7	113.1	113.1
67.5°	78.7	80.4	79.3	80.4	80.4	79.3	78.7	79.9
70°	54.4	54.4	53.8	53.8	53.8	53.8	53.2	53.8
72.5°	34.9	34.9	34.9	35.5	34.9	34.9	35.5	35.5
75°	22.2	22.2	22.2	22.7	22.2	22.2	22.7	22.2
77.5°	13.3	13.9	13.9	13.9	13.9	13.3	13.9	13.9
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)