

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: P844374

Luminaire Tested: **LD6C35DE010B2750 EU6C35B30 6LBLWWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844374  
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 EU6C35B30 6LBLWWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

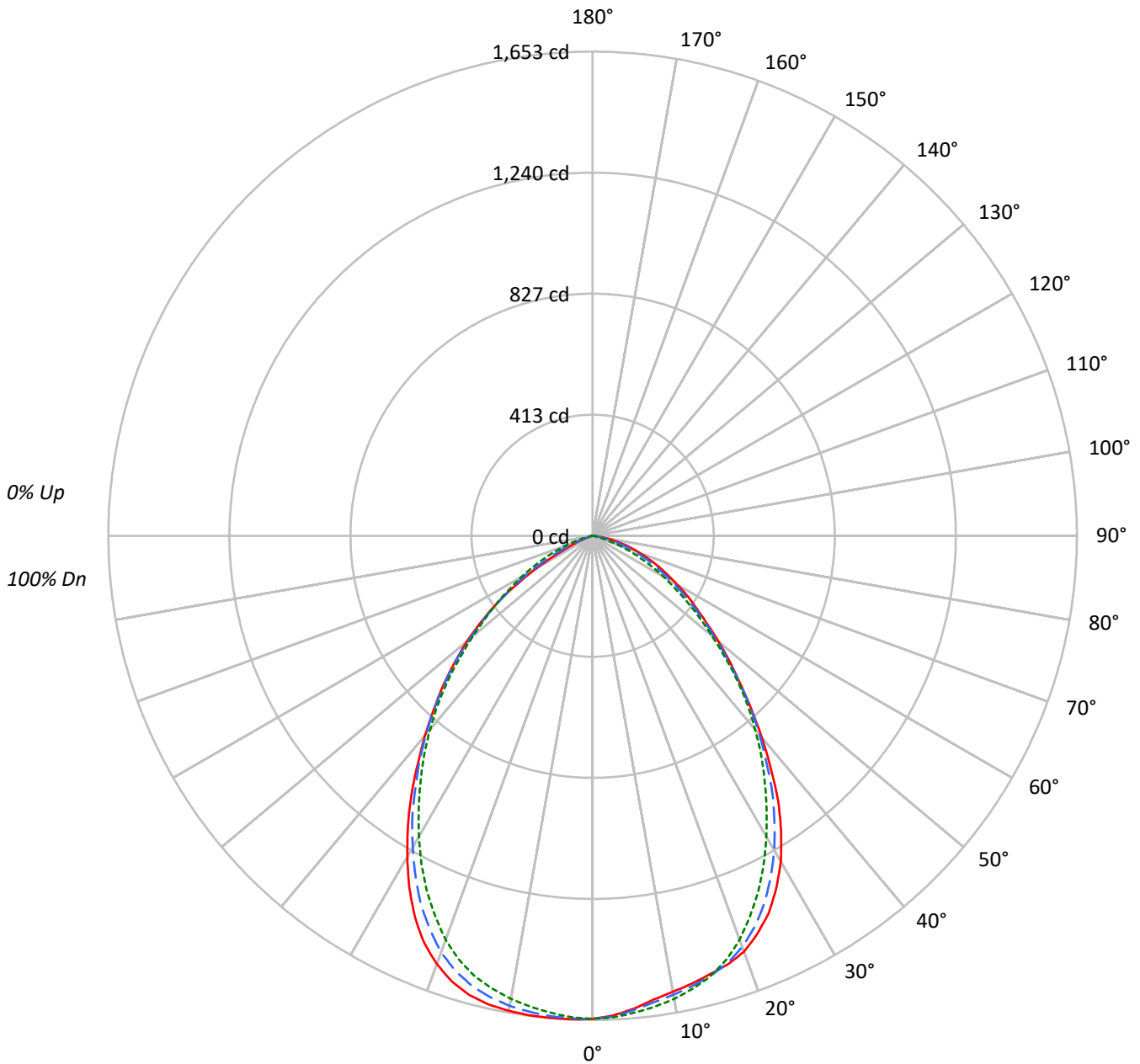
Lumens per Lamp: N/A  
Luminaire Lumens: 3033.3 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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								
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°	90415	90415	90415
5°	89170	89951	90942
10°	87985	89355	91659
15°	87946	88315	92151
20°	88143	85606	90751
25°	85989	80944	86842
30°	81297	75050	80082
35°	73917	68549	72123
40°	64256	61723	63676
45°	55083	54106	55851
50°	47768	45355	47632
55°	41451	37705	37494
60°	36499	30535	23715
65°	32027	23180	11376
70°	27521	15371	4183
75°	22388	6460	1165
80°	15122	1547	505
85°	6164	314	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.3	5.1
10°-20°	442.5	14.6
20°-30°	634.1	20.9
30°-40°	660.8	21.8
40°-50°	547.4	18.0
50°-60°	362.9	12.0
60°-70°	175.7	5.8
70°-80°	49.7	1.6
80°-90°	4.8	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°	1231.9	40.6
0°-40°	1892.7	62.4
0°-60°	2803.0	92.4
0°-90°	3033.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3033.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1649	1649	1649	1649	1649	
5°	1620	1625	1635	1646	1653	153
15°	1550	1555	1556	1591	1624	438
25°	1422	1386	1338	1387	1436	650
35°	1104	1070	1024	1056	1078	685
45°	710	708	698	715	720	553
55°	434	420	394	387	392	392
65°	247	223	179	123	88	246
75°	106	81	30	6	6	113
85°	10	4	0	0	0	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°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1639.0	1639.5	1640.6	1639.5	1640.1	1640.6	1640.6	1641.1	1641.1	1641.7	1642.2
5°	1620.4	1622.1	1622.1	1622.1	1622.1	1622.6	1623.2	1623.2	1622.6	1622.6	1624.8
7.5°	1597.0	1598.6	1598.1	1598.6	1599.1	1600.8	1600.3	1601.4	1602.4	1604.1	1606.2
10°	1580.6	1581.2	1580.6	1582.3	1583.4	1584.4	1584.4	1585.6	1586.7	1588.2	1591.0
12.5°	1565.9	1566.5	1567.1	1568.2	1569.2	1568.7	1569.7	1570.9	1571.4	1572.5	1574.2
15°	1549.6	1552.3	1551.8	1552.3	1552.9	1553.5	1554.0	1554.5	1554.0	1554.0	1555.0
17.5°	1534.3	1534.9	1535.5	1535.5	1535.5	1535.5	1534.3	1534.3	1532.7	1531.1	1530.0
20°	1510.9	1510.4	1509.2	1509.2	1507.1	1507.7	1505.4	1504.4	1501.6	1497.8	1494.0
22.5°	1470.1	1472.8	1471.7	1467.9	1465.7	1465.7	1463.6	1458.6	1454.2	1449.9	1445.0
25°	1421.6	1420.5	1418.8	1416.7	1413.4	1411.2	1407.9	1404.6	1397.6	1389.9	1385.6
27.5°	1356.7	1358.3	1354.5	1351.2	1349.6	1346.4	1343.1	1338.8	1330.1	1323.5	1315.9
30°	1284.3	1283.1	1282.6	1278.3	1273.9	1275.0	1268.4	1263.6	1257.0	1246.1	1240.1
32.5°	1197.0	1198.7	1195.4	1194.9	1186.8	1185.6	1185.6	1178.0	1172.6	1162.2	1154.0
35°	1104.5	1103.3	1102.3	1098.5	1097.9	1094.7	1091.9	1086.5	1079.4	1076.1	1069.6
37.5°	997.7	998.2	998.7	998.7	996.6	994.4	992.2	992.2	982.4	980.7	973.1
40°	897.9	899.6	899.0	895.2	895.8	896.3	895.8	895.2	889.3	887.0	886.0
42.5°	800.9	803.7	800.9	800.4	800.9	800.9	799.9	801.5	798.8	800.9	796.1
45°	710.5	712.7	711.0	710.5	709.5	712.1	708.8	711.6	710.0	707.2	708.3
47.5°	632.6	630.5	632.6	631.5	629.8	627.7	631.0	629.3	625.5	625.0	626.0
50°	560.1	559.1	560.1	559.6	556.8	556.8	556.3	555.3	554.1	550.8	548.7
52.5°	491.0	494.8	492.0	494.8	491.0	489.3	489.8	488.2	486.0	484.9	480.6
55°	433.7	434.3	434.3	434.3	432.0	431.0	429.9	428.8	428.8	423.9	419.6
57.5°	384.1	383.1	382.5	380.9	379.8	378.6	377.6	374.3	371.0	366.7	363.4
60°	332.9	334.0	334.0	331.8	330.2	328.6	328.0	325.9	322.0	317.6	312.7
62.5°	288.7	289.9	287.1	287.1	283.9	283.3	283.3	280.1	275.7	270.8	265.4
65°	246.9	246.3	247.4	243.6	244.1	240.8	239.8	238.1	233.7	227.7	222.8
67.5°	207.1	208.1	206.6	205.4	203.3	202.1	201.1	196.2	194.0	188.6	183.1
70°	171.7	170.6	169.4	169.4	167.3	165.6	165.1	159.6	157.0	152.5	146.6
72.5°	138.4	137.3	136.2	134.5	132.9	132.4	129.1	125.9	122.6	117.2	112.7
75°	105.7	105.1	104.1	103.0	100.3	99.2	98.6	94.8	88.8	84.5	80.6
77.5°	76.3	76.8	74.7	72.4	70.9	69.2	68.1	64.8	61.0	56.2	52.4
80°	47.9	48.5	47.9	46.3	44.1	43.6	42.0	39.8	36.5	33.2	30.5
82.5°	25.6	25.6	25.1	24.5	22.8	22.8	21.8	20.2	18.5	16.9	14.7
85°	9.8	9.8	9.3	8.7	8.1	8.1	7.6	7.1	6.0	5.5	4.3
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°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1642.2	1642.8	1643.4	1643.9	1643.9	1643.9	1644.4	1644.9	1644.9	1645.5	1646.1
5°	1625.9	1626.4	1628.1	1628.7	1629.7	1629.2	1630.8	1632.5	1633.5	1634.6	1636.3
7.5°	1607.4	1609.0	1611.2	1612.8	1613.3	1613.9	1615.5	1617.8	1619.3	1621.6	1623.2
10°	1592.2	1593.7	1596.0	1598.1	1598.1	1599.1	1600.3	1601.9	1603.6	1605.2	1607.4
12.5°	1575.2	1577.4	1578.0	1579.0	1579.0	1579.6	1580.6	1581.2	1582.9	1583.4	1586.7
15°	1555.0	1555.0	1555.0	1555.0	1555.0	1554.5	1553.5	1554.5	1554.5	1556.1	1557.8
17.5°	1527.2	1527.2	1524.1	1522.4	1522.9	1520.1	1519.6	1517.5	1517.5	1517.5	1519.1
20°	1490.7	1485.9	1482.1	1477.1	1475.0	1473.9	1472.8	1467.9	1467.4	1467.4	1467.4
22.5°	1439.0	1433.5	1428.1	1424.3	1418.3	1416.1	1414.0	1410.7	1406.9	1404.6	1409.6
25°	1375.8	1369.2	1362.8	1355.0	1353.5	1350.7	1345.3	1342.0	1340.3	1338.2	1339.3
27.5°	1308.8	1299.5	1292.4	1284.8	1282.1	1278.8	1273.9	1269.1	1263.6	1264.6	1264.6
30°	1231.9	1221.0	1213.4	1204.1	1203.6	1200.3	1196.0	1189.9	1185.6	1185.6	1188.4
32.5°	1148.6	1141.0	1133.9	1123.5	1121.9	1119.7	1116.4	1110.9	1107.8	1104.5	1106.6
35°	1064.1	1052.1	1047.3	1040.7	1041.2	1035.2	1030.3	1027.1	1027.6	1024.3	1026.0
37.5°	973.1	966.0	959.0	956.2	953.6	950.3	948.1	945.8	944.8	944.8	943.7
40°	881.0	877.2	873.9	872.9	868.0	869.1	868.5	866.8	863.7	862.5	865.8
42.5°	794.4	790.6	789.0	786.2	785.7	784.0	784.0	782.4	781.9	782.4	781.9
45°	705.0	704.5	700.7	700.7	702.9	701.2	696.9	699.6	699.6	697.9	701.2
47.5°	622.7	623.4	621.1	616.8	616.8	614.1	610.8	613.5	615.1	612.5	614.1
50°	548.2	544.9	540.6	537.3	538.9	537.8	535.1	532.8	531.2	531.8	534.0
52.5°	477.3	475.7	470.8	466.9	465.9	466.4	463.1	459.9	460.4	459.9	458.8
55°	413.5	413.5	407.0	405.4	401.1	401.1	396.6	396.1	394.5	394.5	391.7
57.5°	358.5	353.7	349.8	346.0	344.4	342.1	340.6	336.8	335.1	331.8	331.3
60°	307.9	301.8	299.1	294.8	291.5	289.4	286.6	283.3	281.1	278.5	275.2
62.5°	262.6	256.1	250.7	246.3	243.6	243.0	238.6	234.8	230.5	227.2	221.8
65°	217.4	213.5	207.6	201.6	200.5	197.8	193.4	189.1	183.6	178.7	175.5
67.5°	177.6	172.7	167.3	164.0	160.2	158.0	153.1	146.6	140.6	135.7	129.7
70°	142.3	135.2	130.2	124.8	123.6	118.8	114.4	107.9	102.5	95.9	87.1
72.5°	106.8	99.7	95.9	90.4	87.1	84.5	78.5	72.4	63.8	58.8	51.2
75°	75.2	69.2	63.8	58.3	56.2	52.4	47.4	40.8	35.4	30.5	25.1
77.5°	46.9	43.0	38.2	33.7	31.6	29.4	25.6	20.7	16.9	13.1	9.8
80°	26.7	23.5	20.2	16.9	15.8	14.7	11.4	8.7	7.1	4.9	3.3
82.5°	12.5	10.4	8.7	7.1	6.6	5.5	3.8	2.7	1.6	1.1	0.5
85°	3.8	2.7	2.2	1.6	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1646.1	1646.6	1647.2	1647.2	1647.2	1647.7	1647.7	1648.7	1649.3	1649.9	1649.9
5°	1637.3	1639.0	1640.1	1640.6	1641.1	1642.8	1643.4	1644.9	1646.1	1647.2	1648.2
7.5°	1625.4	1627.0	1629.2	1630.2	1631.3	1633.5	1635.2	1637.9	1639.5	1641.7	1643.9
10°	1610.1	1612.3	1615.5	1616.6	1617.8	1620.4	1623.7	1627.0	1629.7	1633.0	1635.7
12.5°	1587.7	1591.0	1594.8	1596.0	1597.6	1601.4	1605.2	1610.1	1613.9	1618.3	1622.6
15°	1560.0	1564.3	1567.1	1568.2	1570.3	1575.8	1579.6	1585.1	1591.0	1597.6	1602.4
17.5°	1521.3	1523.4	1528.4	1530.5	1533.3	1538.8	1544.7	1551.2	1556.7	1563.8	1571.4
20°	1470.6	1473.9	1479.8	1482.1	1485.3	1490.2	1499.0	1504.4	1513.2	1521.8	1527.2
22.5°	1407.4	1413.4	1419.3	1422.1	1424.3	1430.2	1436.3	1445.6	1452.7	1464.6	1471.7
25°	1342.0	1343.6	1348.6	1353.5	1354.5	1362.1	1369.2	1380.1	1387.2	1394.9	1404.6
27.5°	1266.8	1269.1	1276.7	1277.7	1278.3	1286.4	1294.6	1303.3	1309.4	1318.0	1323.0
30°	1188.4	1192.2	1195.4	1197.7	1201.5	1205.3	1212.9	1223.8	1228.1	1235.7	1242.3
32.5°	1108.3	1108.3	1115.9	1116.4	1118.7	1127.3	1131.7	1138.2	1145.8	1151.9	1151.3
35°	1028.8	1030.9	1033.6	1037.4	1039.0	1044.5	1046.1	1051.1	1055.9	1060.3	1065.8
37.5°	946.5	946.5	952.4	955.1	956.8	959.5	962.2	967.1	969.9	971.5	974.8
40°	868.0	870.1	871.3	872.3	872.3	876.1	878.4	882.2	883.8	888.1	886.0
42.5°	788.5	787.3	787.8	790.6	791.1	793.3	794.9	797.1	799.4	798.2	802.0
45°	704.0	704.5	705.7	705.7	707.2	710.0	712.7	713.8	715.4	718.1	718.7
47.5°	615.8	618.4	616.8	621.1	622.2	622.7	629.3	629.8	635.3	636.4	636.4
50°	533.5	533.5	536.7	538.3	539.4	541.1	543.2	545.4	547.0	550.8	552.0
52.5°	459.3	460.4	460.4	458.8	460.4	460.4	465.9	466.4	465.9	466.9	468.6
55°	392.8	393.4	390.2	392.3	391.7	390.2	391.2	387.9	387.4	389.0	387.9
57.5°	329.1	326.9	326.4	323.6	323.6	320.9	318.2	318.2	316.0	312.2	311.7
60°	271.9	268.6	266.4	264.8	260.5	257.7	253.9	250.7	246.3	241.4	238.6
62.5°	218.0	214.2	209.7	207.6	204.3	197.8	192.9	187.9	180.9	176.5	172.2
65°	170.0	164.0	157.0	153.7	150.4	144.4	137.8	129.7	122.6	116.6	108.9
67.5°	123.1	116.6	109.6	104.6	101.3	94.2	86.6	79.5	71.4	64.8	61.0
70°	80.6	72.4	65.9	62.1	58.8	51.7	44.6	38.7	34.9	33.2	32.7
72.5°	45.8	37.5	32.7	28.9	26.1	21.3	17.5	15.2	14.2	13.6	12.5
75°	19.6	14.7	11.4	9.3	8.1	6.6	6.0	6.0	6.0	5.5	5.5
77.5°	7.1	4.9	3.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	2.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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: P844374

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBLWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1650.4	1651.5	1651.5	1652.0	1652.6	1652.6	1652.6	1652.6
5°	1649.3	1650.4	1651.0	1651.5	1652.0	1652.6	1652.6	1652.6
7.5°	1644.9	1647.2	1647.7	1648.7	1649.9	1650.4	1650.4	1651.0
10°	1638.4	1640.6	1642.2	1643.4	1644.4	1645.5	1646.6	1646.6
12.5°	1626.4	1629.7	1631.9	1633.0	1635.7	1636.8	1637.9	1639.0
15°	1606.9	1611.2	1613.9	1616.1	1618.3	1621.6	1622.1	1623.7
17.5°	1577.4	1583.4	1584.4	1587.7	1590.5	1596.0	1595.3	1596.0
20°	1534.9	1541.4	1543.6	1546.9	1551.2	1555.0	1558.3	1555.6
22.5°	1478.3	1485.9	1489.1	1492.4	1495.1	1498.3	1502.8	1503.3
25°	1411.2	1417.8	1420.5	1422.6	1428.1	1430.9	1435.2	1435.7
27.5°	1334.4	1338.2	1342.0	1343.1	1349.1	1350.7	1354.5	1354.5
30°	1247.2	1251.6	1255.9	1257.5	1259.2	1260.8	1263.6	1265.1
32.5°	1157.9	1162.2	1163.8	1166.6	1167.1	1169.8	1168.8	1173.1
35°	1068.5	1069.6	1071.2	1070.6	1074.5	1073.9	1078.3	1077.7
37.5°	978.6	977.5	980.2	983.0	981.9	980.7	982.4	979.7
40°	888.7	889.3	889.8	892.5	889.8	891.4	890.3	889.8
42.5°	804.8	804.8	801.5	804.8	802.6	801.5	803.7	800.4
45°	719.8	719.2	719.8	720.4	720.4	720.4	718.1	720.4
47.5°	639.1	639.7	637.5	641.3	640.2	638.1	638.1	636.4
50°	553.6	556.8	560.7	557.4	560.1	558.5	556.8	558.5
52.5°	472.4	474.6	471.8	472.4	478.4	478.4	475.1	474.6
55°	385.7	385.7	386.9	387.4	387.9	395.0	391.2	392.3
57.5°	308.4	308.4	306.7	310.0	307.9	305.1	307.9	300.8
60°	234.3	233.7	232.2	229.9	224.5	222.8	216.8	216.3
62.5°	166.7	160.8	158.5	154.2	148.2	146.6	140.6	140.0
65°	103.5	96.5	94.2	92.1	89.4	88.8	86.6	87.7
67.5°	58.8	57.7	57.2	55.5	54.5	53.4	53.4	52.9
70°	31.1	28.9	28.3	27.8	27.8	25.6	25.1	26.1
72.5°	12.0	10.9	10.9	10.9	10.4	10.4	10.4	10.4
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)