

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: P844230

Luminaire Tested: **LD6C25DE010B35 EU6C25B35 6LBSWLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C25DE010B35 EU6C25B35 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

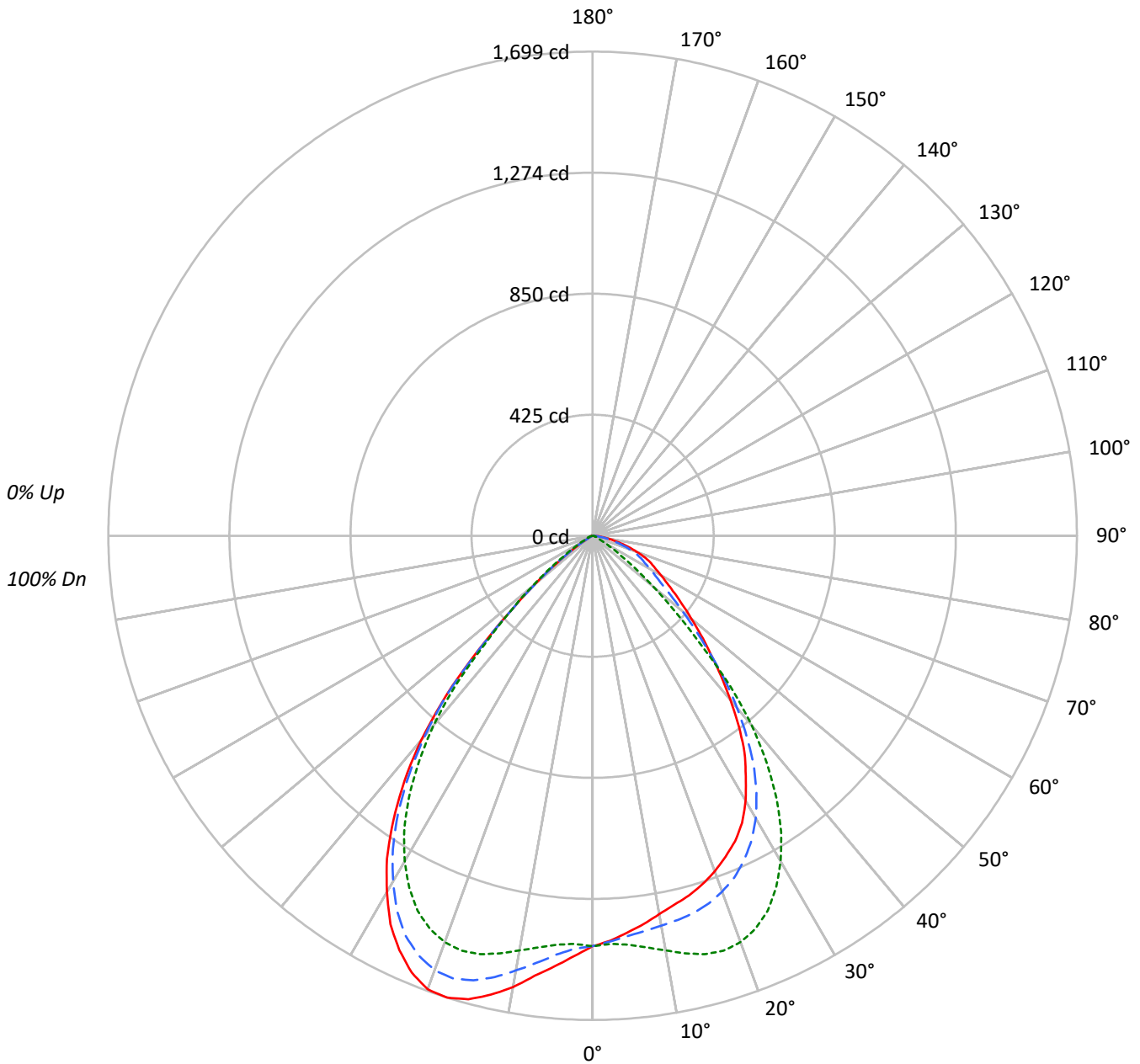
Lumens per Lamp: N/A  
Luminaire Lumens: 2632.4 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37			

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

	0°	90°	180°
0°	78952	78952	78952
5°	76904	79254	83419
10°	75026	82235	89516
15°	74155	86266	95568
20°	73092	88517	98796
25°	71544	87864	97022
30°	67979	83494	91337
35°	62192	75282	81546
40°	53801	62166	66897
45°	45369	40779	43764
50°	38515	23607	22200
55°	33433	11307	8554
60°	30184	5285	2105
65°	29290	3035	713
70°	26254	2420	657
75°	21583	1737	297
80°	16069	852	0
85°	13838	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.1	5.3
10°-20°	423.9	16.1
20°-30°	647.8	24.6
30°-40°	677.5	25.7
40°-50°	439.5	16.7
50°-60°	174.5	6.6
60°-70°	82.8	3.1
70°-80°	39.4	1.5
80°-90°	8.0	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°	1210.8	46.0
0°-40°	1888.3	71.7
0°-60°	2502.3	95.1
0°-90°	2632.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2632.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1440	1440	1440	1440	1440	
5°	1398	1410	1440	1476	1516	132
15°	1307	1370	1520	1615	1684	368
25°	1183	1257	1453	1550	1604	542
35°	929	986	1125	1191	1218	575
45°	585	580	526	558	564	455
55°	350	297	118	92	90	317
65°	226	187	23	6	6	221
75°	102	83	8	3	1	110
85°	22	14	0	0	0	26
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°	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2
2.5°	1422.3	1424.9	1409.9	1405.7	1416.8	1420.8	1422.3	1418.1	1419.6	1424.9	1424.9
5°	1397.5	1400.2	1386.5	1382.3	1393.3	1396.1	1400.2	1398.8	1403.1	1411.2	1409.9
7.5°	1374.1	1378.2	1363.1	1357.6	1371.3	1378.2	1381.0	1381.0	1386.5	1397.5	1398.8
10°	1347.8	1353.5	1339.7	1336.8	1352.1	1359.0	1360.3	1363.1	1371.3	1386.5	1389.2
12.5°	1325.8	1331.3	1321.7	1317.6	1334.1	1341.0	1343.7	1349.3	1359.0	1378.2	1381.0
15°	1306.6	1310.7	1299.7	1297.0	1313.5	1321.7	1323.1	1331.3	1343.7	1365.8	1370.0
17.5°	1281.9	1284.6	1276.4	1273.6	1290.1	1298.4	1299.7	1309.4	1324.5	1346.6	1353.5
20°	1252.9	1255.7	1247.4	1244.6	1261.1	1270.7	1272.2	1280.5	1298.4	1321.7	1328.6
22.5°	1218.5	1224.0	1214.4	1211.6	1228.1	1236.4	1240.5	1247.4	1265.4	1288.7	1298.4
25°	1182.8	1182.8	1175.9	1174.4	1189.6	1199.3	1197.9	1207.5	1225.4	1248.7	1257.0
27.5°	1135.9	1134.5	1127.6	1126.3	1142.8	1151.0	1148.3	1157.9	1174.4	1197.9	1206.1
30°	1073.9	1076.7	1067.0	1064.3	1078.0	1091.8	1090.4	1100.0	1116.5	1138.6	1144.1
32.5°	999.6	1002.3	1000.9	996.8	1009.2	1016.1	1020.2	1027.1	1040.9	1064.3	1069.8
35°	929.3	925.2	919.7	919.7	932.1	943.1	939.0	947.2	961.1	984.4	985.8
37.5°	842.6	841.2	838.5	835.7	849.5	852.2	853.6	859.1	871.6	890.8	888.1
40°	751.8	753.1	751.8	746.3	754.5	765.5	764.1	766.9	777.9	791.6	787.5
42.5°	666.4	666.4	666.4	660.9	670.5	676.0	678.8	677.4	680.2	692.5	687.0
45°	585.2	586.6	585.2	583.8	585.2	587.9	585.2	583.8	583.8	587.9	579.6
47.5°	515.0	515.0	510.8	506.7	510.8	512.1	508.1	504.0	502.5	501.2	487.5
50°	451.6	450.2	448.9	442.0	446.1	447.5	442.0	439.2	433.7	426.9	410.4
52.5°	396.5	395.1	393.8	386.9	389.6	391.0	385.5	380.0	373.1	367.6	347.0
55°	349.8	348.3	348.3	344.3	341.4	344.3	338.7	334.5	324.9	318.0	297.4
57.5°	309.8	309.8	307.0	302.9	304.3	304.3	298.8	293.3	284.9	276.8	260.3
60°	275.3	275.3	275.3	271.2	271.2	271.2	268.4	263.0	256.1	247.8	231.3
62.5°	247.8	247.8	246.4	242.3	243.7	243.7	240.9	235.4	228.6	223.1	206.6
65°	225.8	225.8	225.8	221.7	221.7	223.1	220.3	214.8	209.3	202.4	187.2
67.5°	198.2	196.9	196.9	194.1	195.6	196.9	194.1	190.1	183.2	179.0	165.2
70°	163.8	165.2	166.6	162.5	163.8	163.8	162.5	158.3	154.2	150.1	137.7
72.5°	133.6	133.6	132.2	130.8	130.8	132.2	129.5	125.3	122.6	119.8	110.1
75°	101.9	100.5	101.9	99.1	99.1	99.1	96.4	95.0	93.6	89.5	82.6
77.5°	74.4	73.0	73.0	70.2	71.6	71.6	70.2	67.5	64.7	63.4	57.9
80°	50.9	50.9	50.9	49.6	49.6	48.2	48.2	46.9	44.0	42.7	40.0
82.5°	34.4	34.4	34.4	33.1	33.1	33.1	31.6	30.2	29.0	27.5	24.7
85°	22.0	22.0	22.0	20.6	20.6	20.6	19.2	19.2	17.9	16.5	13.7
87.5°	12.4	12.4	12.4	11.0	11.0	11.0	11.0	11.0	9.6	8.2	6.9
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°	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2
2.5°	1434.6	1415.3	1427.7	1427.7	1423.7	1434.6	1441.6	1447.1	1445.7	1433.3	1431.9
5°	1423.7	1407.1	1420.8	1422.3	1418.1	1433.3	1442.9	1449.8	1451.2	1440.2	1441.6
7.5°	1415.3	1401.6	1419.6	1424.9	1423.7	1437.4	1448.4	1459.4	1464.9	1456.7	1458.1
10°	1411.2	1400.2	1419.6	1427.7	1429.2	1444.3	1460.8	1475.9	1482.8	1477.3	1481.4
12.5°	1405.7	1398.8	1420.8	1433.3	1438.8	1453.9	1474.6	1492.5	1503.5	1500.8	1509.0
15°	1400.2	1394.7	1420.8	1438.8	1445.7	1459.4	1482.8	1509.0	1521.4	1520.0	1531.0
17.5°	1386.5	1385.1	1412.7	1431.9	1441.6	1458.1	1480.1	1511.8	1524.2	1526.9	1540.7
20°	1364.5	1364.5	1394.7	1415.3	1426.4	1441.6	1469.1	1499.4	1514.5	1517.3	1532.4
22.5°	1334.1	1336.8	1365.8	1386.5	1403.1	1414.0	1442.9	1474.6	1488.3	1492.5	1509.0
25°	1294.2	1297.0	1324.5	1345.2	1363.1	1375.5	1403.1	1431.9	1448.4	1452.6	1464.9
27.5°	1241.9	1247.4	1273.6	1294.2	1309.4	1317.6	1346.6	1376.8	1389.2	1393.3	1405.7
30°	1181.3	1182.8	1208.9	1226.7	1241.9	1248.7	1273.6	1305.2	1314.9	1319.0	1336.8
32.5°	1106.9	1105.7	1130.4	1146.9	1159.3	1167.5	1193.6	1214.4	1224.0	1230.9	1240.5
35°	1017.4	1016.1	1033.9	1053.3	1062.9	1065.7	1091.8	1113.8	1119.4	1124.9	1137.3
37.5°	917.0	917.0	932.1	941.8	952.7	956.8	969.3	994.1	1003.7	1002.3	1011.9
40°	811.0	805.5	816.4	826.1	828.9	830.2	842.6	861.9	868.7	868.7	875.6
42.5°	699.4	691.2	692.5	698.0	700.8	691.2	699.4	711.8	707.7	713.2	714.6
45°	581.1	568.6	563.1	550.7	553.5	543.8	538.3	541.1	539.7	526.0	528.7
47.5°	484.6	462.6	453.0	435.1	431.0	420.0	413.0	400.6	389.6	389.6	382.8
50°	403.4	381.4	362.1	341.4	334.5	324.9	309.8	293.3	284.9	276.8	269.9
52.5°	338.7	315.3	291.9	269.9	260.3	247.8	227.2	210.7	195.6	187.2	179.0
55°	286.4	260.3	235.4	212.1	199.7	187.2	166.6	147.3	129.5	118.3	111.5
57.5°	246.4	221.7	195.6	170.7	159.7	146.0	124.0	103.2	86.7	74.4	67.5
60°	217.6	192.8	169.3	143.2	132.2	118.3	95.0	75.7	59.2	48.2	40.0
62.5°	192.8	170.7	146.0	122.6	111.5	97.7	75.7	56.5	41.2	30.2	23.4
65°	174.8	152.8	132.2	108.7	99.1	85.4	64.7	46.9	33.1	23.4	16.5
67.5°	154.2	135.0	114.2	95.0	85.4	74.4	55.1	40.0	27.5	19.2	13.7
70°	129.5	114.2	96.4	78.5	71.6	62.0	45.5	33.1	22.0	15.1	11.0
72.5°	103.2	90.9	77.1	63.4	57.9	48.2	37.1	26.2	16.5	11.0	8.2
75°	78.5	68.9	57.9	48.2	42.7	37.1	27.5	19.2	12.4	8.2	5.5
77.5°	53.7	49.6	41.2	33.1	30.2	26.2	17.9	12.4	8.2	5.5	2.7
80°	37.1	33.1	27.5	22.0	19.2	16.5	11.0	8.2	4.1	2.7	1.4
82.5°	23.4	19.2	16.5	13.7	12.4	9.6	6.9	4.1	2.7	1.4	1.4
85°	12.4	11.0	9.6	6.9	6.9	5.5	4.1	2.7	1.4	0.0	0.0
87.5°	6.9	5.5	4.1	2.7	2.7	1.4	1.4	1.4	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°	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2
2.5°	1448.4	1448.4	1447.1	1463.6	1444.3	1463.6	1453.9	1463.6	1449.8	1448.4	1449.8
5°	1459.4	1463.6	1464.9	1480.1	1462.2	1485.6	1477.3	1485.6	1475.9	1478.7	1482.8
7.5°	1481.4	1488.3	1487.0	1506.3	1488.3	1514.5	1509.0	1521.4	1511.8	1514.5	1520.0
10°	1506.3	1514.5	1515.9	1535.2	1518.7	1550.3	1543.4	1557.2	1548.9	1553.0	1560.0
12.5°	1535.2	1544.8	1546.2	1568.2	1550.3	1583.4	1579.3	1593.0	1586.1	1590.3	1598.5
15°	1557.2	1570.9	1573.8	1595.8	1576.5	1610.9	1608.1	1626.0	1615.0	1621.9	1628.8
17.5°	1568.2	1580.6	1586.1	1606.8	1590.3	1624.6	1621.9	1637.1	1628.8	1635.6	1644.0
20°	1561.3	1576.5	1580.6	1601.3	1584.8	1619.1	1615.0	1630.1	1621.9	1627.4	1635.6
22.5°	1536.5	1551.7	1557.2	1576.5	1561.3	1593.0	1591.6	1605.4	1594.4	1601.3	1608.1
25°	1492.5	1509.0	1511.8	1529.7	1513.2	1546.2	1543.4	1558.5	1550.3	1554.4	1564.0
27.5°	1429.2	1448.4	1452.6	1467.7	1455.3	1482.8	1482.8	1495.2	1485.6	1485.6	1495.2
30°	1353.5	1372.7	1375.5	1387.8	1376.8	1401.6	1403.1	1415.3	1400.2	1408.5	1409.9
32.5°	1261.1	1273.6	1281.9	1292.9	1276.4	1308.0	1303.9	1313.5	1305.2	1305.2	1312.1
35°	1149.6	1164.8	1168.9	1182.8	1168.9	1193.6	1193.6	1199.3	1190.9	1190.9	1202.0
37.5°	1028.5	1039.5	1040.9	1054.7	1043.6	1064.3	1062.9	1067.0	1058.8	1064.3	1064.3
40°	886.6	895.0	897.7	904.6	903.2	918.3	917.0	919.7	915.6	917.0	919.7
42.5°	721.5	732.4	738.0	743.5	735.3	755.9	751.8	755.9	754.5	755.9	760.0
45°	531.5	539.7	543.8	545.2	542.5	554.8	564.5	556.2	557.6	554.8	560.3
47.5°	384.1	385.5	382.8	391.0	384.1	389.6	392.4	393.8	385.5	384.1	389.6
50°	263.0	269.9	260.3	264.3	263.0	268.4	265.7	267.2	258.8	263.0	260.3
52.5°	174.8	173.5	170.7	172.1	169.3	169.3	169.3	172.1	166.6	163.8	161.1
55°	106.1	103.2	97.7	96.4	96.4	97.7	95.0	92.2	92.2	90.9	90.9
57.5°	62.0	57.9	55.1	53.7	50.9	49.6	48.2	48.2	45.5	45.5	45.5
60°	34.4	30.2	27.5	24.7	24.7	23.4	22.0	20.6	20.6	20.6	19.2
62.5°	17.9	15.1	12.4	11.0	11.0	9.6	8.2	8.2	8.2	8.2	6.9
65°	12.4	9.6	8.2	6.9	6.9	5.5	5.5	5.5	5.5	5.5	5.5
67.5°	9.6	8.2	6.9	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1
70°	8.2	5.5	5.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	5.5	5.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
80°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P844230

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2	1440.2
2.5°	1462.2	1460.8	1462.2	1464.9	1459.4	1475.9	1467.7	1475.9
5°	1493.9	1495.2	1496.7	1500.8	1493.9	1514.5	1503.5	1515.9
7.5°	1535.2	1536.5	1537.9	1542.0	1537.9	1558.5	1546.2	1557.2
10°	1577.9	1580.6	1580.6	1587.5	1583.4	1602.6	1594.4	1608.1
12.5°	1617.8	1620.5	1623.3	1627.4	1624.6	1645.3	1638.4	1649.5
15°	1649.5	1654.9	1656.4	1661.8	1659.1	1681.1	1672.9	1683.9
17.5°	1664.6	1670.1	1670.1	1677.0	1674.2	1697.6	1686.6	1699.0
20°	1656.4	1660.5	1661.8	1668.7	1666.0	1689.4	1678.4	1693.5
22.5°	1630.1	1631.5	1632.9	1639.8	1638.4	1659.1	1649.5	1659.1
25°	1581.9	1586.1	1584.8	1590.3	1590.3	1606.8	1595.8	1604.0
27.5°	1513.2	1517.3	1517.3	1524.2	1518.7	1535.2	1524.2	1536.5
30°	1429.2	1433.3	1430.6	1436.1	1430.6	1447.1	1438.8	1442.9
32.5°	1328.6	1328.6	1330.0	1331.3	1328.6	1343.7	1335.5	1343.7
35°	1208.9	1211.6	1213.0	1214.4	1211.6	1222.6	1213.0	1218.5
37.5°	1073.9	1080.8	1079.4	1080.8	1076.7	1090.4	1082.2	1084.9
40°	929.3	929.3	928.0	930.7	926.6	937.6	932.1	934.8
42.5°	761.4	765.5	760.0	766.9	755.9	771.0	765.5	761.4
45°	571.4	565.8	564.5	565.8	561.7	563.1	567.3	564.5
47.5°	389.6	389.6	386.9	382.8	388.3	389.6	384.1	384.1
50°	261.6	261.6	258.8	257.4	260.3	258.8	256.1	260.3
52.5°	166.6	161.1	161.1	163.8	161.1	158.3	162.5	159.7
55°	90.9	88.1	88.1	90.9	88.1	88.1	86.7	89.5
57.5°	44.0	45.5	44.0	44.0	44.0	44.0	42.7	44.0
60°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
62.5°	8.2	8.2	6.9	6.9	6.9	6.9	6.9	6.9
65°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
67.5°	4.1	4.1	4.1	4.1	4.1	5.5	4.1	4.1
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	4.1	4.1	5.5	5.5	5.5	5.5	5.5	5.5
75°	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)