

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: P844424

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844424
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: LD6C35DE010B50 EU6C35B50 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

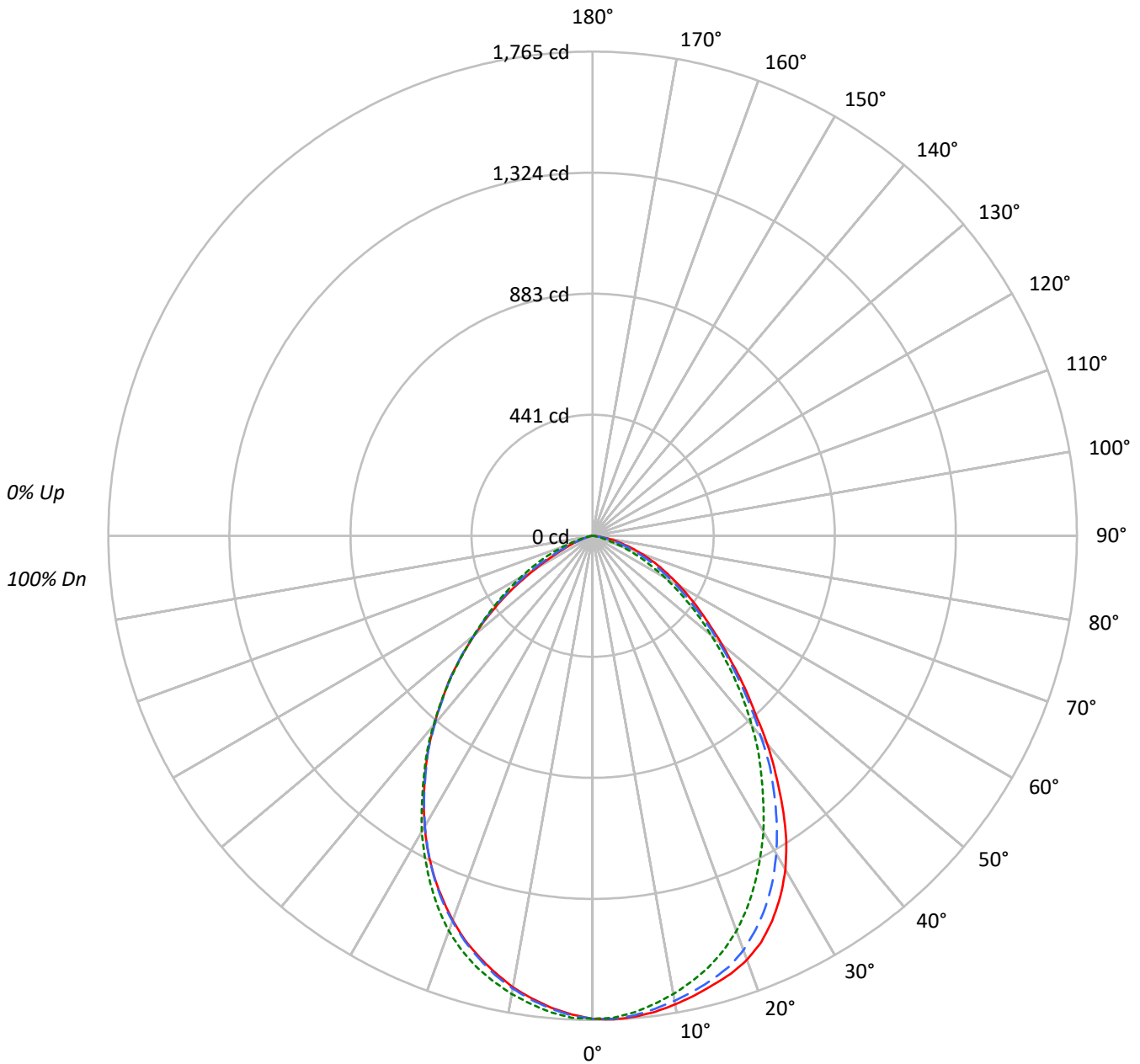
Lumens per Lamp: N/A
Luminaire Lumens: 3202.5 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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				100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78				78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68				68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60				60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54				54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48				48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43				43
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39				39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	96516	96516	96516
5°	96852	95972	95031
10°	96558	94415	93034
15°	96198	92469	90313
20°	95984	89421	87035
25°	93647	84622	82765
30°	88969	78822	77506
35°	80756	71762	71286
40°	70854	64585	64242
45°	60750	56440	56890
50°	52288	48101	47853
55°	45704	40620	38116
60°	40172	33287	26018
65°	35166	25787	15657
70°	29973	17359	9200
75°	24189	9023	5020
80°	16827	3536	2810
85°	6730	1132	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	5.2
10°-20°	460.7	14.4
20°-30°	655.5	20.5
30°-40°	690.0	21.5
40°-50°	575.0	18.0
50°-60°	388.5	12.1
60°-70°	197.0	6.2
70°-80°	63.6	2.0
80°-90°	7.3	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°	1281.2	40.0
0°-40°	1971.2	61.6
0°-60°	2934.7	91.6
0°-90°	3202.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3202.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1761	1761	1761	1761	1761	
5°	1760	1755	1744	1731	1727	167
15°	1695	1677	1629	1597	1591	479
25°	1548	1492	1399	1370	1368	710
35°	1207	1155	1072	1062	1065	751
45°	784	763	728	731	734	606
55°	478	455	425	412	399	430
65°	271	244	199	144	121	270
75°	114	89	43	23	24	123
85°	11	6	2	2	2	18
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°	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6
2.5°	1764.8	1764.8	1764.8	1764.8	1764.8	1764.8	1764.1	1764.1	1763.0	1763.0	1762.4
5°	1760.0	1760.6	1760.6	1760.0	1760.0	1758.8	1758.8	1758.2	1756.5	1755.2	1754.7
7.5°	1750.0	1750.0	1749.3	1748.8	1748.2	1746.5	1745.8	1744.0	1742.9	1741.7	1739.3
10°	1734.6	1734.6	1734.0	1732.8	1732.2	1731.0	1731.0	1728.7	1726.3	1723.3	1721.5
12.5°	1716.2	1716.9	1715.7	1715.1	1713.3	1712.7	1711.5	1708.5	1706.8	1703.2	1700.3
15°	1695.0	1696.1	1696.1	1693.8	1692.0	1691.4	1689.6	1687.9	1683.6	1680.2	1676.6
17.5°	1674.2	1675.4	1674.2	1672.4	1670.6	1668.3	1667.1	1663.6	1658.3	1653.5	1648.2
20°	1645.3	1646.9	1644.6	1641.7	1638.2	1637.5	1635.7	1629.8	1622.1	1615.0	1607.4
22.5°	1604.4	1603.2	1601.5	1600.2	1594.3	1590.8	1588.4	1580.7	1572.4	1563.0	1553.5
25°	1548.2	1550.5	1547.0	1541.6	1538.6	1535.2	1529.2	1521.0	1513.3	1503.2	1491.9
27.5°	1481.9	1481.9	1477.2	1475.4	1468.8	1464.1	1461.1	1452.9	1442.8	1432.8	1420.3
30°	1405.5	1402.0	1402.0	1393.7	1388.4	1386.6	1383.6	1370.1	1361.2	1350.5	1338.1
32.5°	1313.3	1312.6	1310.3	1304.9	1297.8	1291.9	1291.9	1282.5	1270.6	1257.6	1249.9
35°	1206.7	1207.3	1206.1	1200.2	1200.2	1193.1	1191.8	1183.6	1174.2	1164.0	1154.6
37.5°	1096.7	1099.0	1096.7	1093.7	1091.9	1091.3	1086.0	1080.1	1073.0	1067.0	1060.0
40°	990.1	986.6	987.7	981.8	982.4	981.2	978.8	971.1	967.0	961.1	953.4
42.5°	875.3	878.8	880.1	876.5	875.3	872.9	875.3	872.3	867.6	864.6	857.5
45°	783.6	780.0	781.8	780.6	781.2	776.4	774.7	773.4	771.8	766.4	763.4
47.5°	692.4	693.0	692.4	690.0	688.8	688.8	686.5	682.9	682.9	679.4	677.0
50°	613.1	613.1	614.3	611.3	610.1	607.8	608.4	604.9	602.4	599.5	597.8
52.5°	540.3	540.9	538.5	539.2	537.9	537.9	535.6	533.3	530.8	525.5	524.4
55°	478.2	478.8	475.8	477.0	473.4	471.7	470.4	466.9	466.9	461.7	455.1
57.5°	420.2	419.6	419.0	417.2	414.8	413.1	411.3	407.2	405.4	401.8	396.5
60°	366.4	365.7	364.6	363.9	362.1	358.0	358.0	355.0	349.1	345.6	340.2
62.5°	315.4	315.4	314.9	313.1	311.3	309.5	308.3	306.0	300.1	295.9	291.2
65°	271.1	270.4	268.6	265.7	264.5	264.5	260.4	258.6	253.8	249.7	244.4
67.5°	228.4	226.1	224.9	225.5	221.9	221.9	218.4	215.4	211.3	204.1	200.0
70°	187.0	185.8	184.7	183.5	182.9	180.5	178.7	175.1	171.0	165.7	159.2
72.5°	149.8	149.8	148.0	146.8	145.0	142.7	141.4	138.4	133.8	127.9	123.1
75°	114.2	114.2	114.2	111.9	110.6	109.5	106.0	104.2	98.8	95.3	89.4
77.5°	84.1	82.8	81.1	80.5	79.3	78.2	76.4	73.4	68.6	64.5	60.9
80°	53.3	55.0	53.3	53.3	50.3	49.1	48.5	44.9	43.2	39.7	36.7
82.5°	29.6	30.1	29.0	28.5	26.7	26.0	26.0	23.7	22.5	20.1	18.3
85°	10.7	11.2	10.7	10.7	9.5	10.0	9.5	8.9	7.7	6.6	5.9
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6
2.5°	1762.4	1761.2	1761.2	1760.6	1760.0	1760.0	1760.0	1759.5	1758.2	1758.2	1757.7
5°	1753.6	1752.3	1750.6	1749.3	1748.8	1748.2	1747.6	1747.0	1744.7	1744.0	1742.2
7.5°	1737.6	1736.3	1733.4	1732.2	1730.4	1729.9	1727.4	1726.3	1723.9	1721.5	1720.3
10°	1718.7	1715.7	1713.3	1710.3	1709.1	1707.3	1704.4	1700.9	1699.1	1696.1	1693.8
12.5°	1697.3	1693.8	1689.0	1685.4	1684.3	1681.3	1676.6	1673.6	1669.5	1664.7	1660.6
15°	1670.6	1666.5	1662.4	1655.8	1654.1	1650.5	1645.8	1639.9	1633.9	1629.3	1624.5
17.5°	1641.7	1635.2	1628.7	1621.6	1616.2	1614.5	1606.8	1598.5	1593.1	1584.9	1579.6
20°	1600.8	1592.0	1581.3	1574.2	1569.4	1564.1	1555.3	1546.4	1539.9	1532.8	1525.1
22.5°	1544.6	1536.3	1523.9	1513.3	1509.7	1502.1	1494.3	1486.0	1477.7	1470.0	1460.6
25°	1478.4	1469.5	1457.0	1446.4	1440.5	1436.9	1422.1	1413.8	1405.5	1399.0	1392.5
27.5°	1410.2	1394.3	1386.0	1369.4	1364.1	1363.0	1349.3	1340.4	1331.6	1322.7	1314.4
30°	1326.3	1313.8	1301.4	1289.6	1282.5	1278.3	1268.2	1257.0	1251.1	1245.2	1236.9
32.5°	1239.2	1228.0	1212.6	1201.4	1196.1	1190.2	1181.3	1173.6	1164.7	1158.2	1156.4
35°	1146.4	1133.9	1120.9	1112.6	1111.4	1104.3	1095.4	1088.9	1082.4	1072.3	1070.5
37.5°	1047.0	1039.8	1030.9	1019.1	1013.7	1013.7	1004.9	1000.2	991.8	991.3	986.6
40°	949.2	946.3	932.7	929.1	928.0	919.7	917.3	909.0	903.1	902.5	895.4
42.5°	852.8	845.0	842.7	836.8	831.5	830.3	825.0	821.5	819.0	815.5	811.9
45°	756.9	755.2	749.2	745.1	743.3	741.0	739.2	732.1	730.9	728.0	726.2
47.5°	674.0	669.4	664.0	659.2	658.7	655.1	651.0	651.0	644.5	643.9	642.7
50°	591.9	588.3	585.3	578.7	580.0	575.2	574.6	569.3	566.4	564.0	567.0
52.5°	519.6	512.5	511.4	506.0	504.2	504.8	498.3	496.6	495.3	493.0	491.8
55°	451.0	447.4	442.6	439.1	436.2	433.2	430.9	430.9	424.3	425.0	422.0
57.5°	390.6	387.6	381.7	376.4	375.2	371.7	368.7	365.7	365.1	361.0	358.0
60°	336.8	331.5	323.7	321.3	317.8	314.9	311.9	308.3	306.6	303.6	298.3
62.5°	286.4	277.5	274.6	269.9	265.7	264.0	259.2	255.1	252.1	248.0	243.8
65°	238.5	231.9	226.7	221.4	220.7	216.0	211.8	208.4	202.4	198.8	191.1
67.5°	194.7	188.8	182.9	177.6	173.5	172.2	165.7	161.6	157.4	150.3	143.8
70°	154.4	148.5	143.8	137.3	135.5	130.8	126.1	121.9	114.9	108.3	103.0
72.5°	117.8	111.3	106.0	101.2	98.3	94.1	89.4	84.6	77.5	71.0	66.3
75°	84.1	79.3	73.9	69.3	66.8	64.5	59.2	53.8	49.1	42.6	38.5
77.5°	56.8	52.0	47.4	43.2	40.2	38.5	34.9	30.8	26.7	23.1	20.1
80°	33.1	30.1	26.7	23.1	22.5	20.7	17.8	15.3	13.0	11.2	8.9
82.5°	16.0	14.2	11.8	10.0	8.9	8.2	7.1	5.9	4.8	4.1	4.1
85°	4.8	4.1	3.6	3.0	2.3	2.3	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6
2.5°	1755.9	1755.2	1754.7	1754.1	1752.9	1752.9	1751.1	1750.0	1750.0	1748.8	1748.2
5°	1740.5	1738.7	1738.1	1737.0	1735.8	1735.2	1732.8	1732.2	1731.0	1729.9	1729.9
7.5°	1718.7	1716.2	1713.9	1712.7	1712.1	1710.3	1709.1	1708.5	1706.8	1705.5	1703.2
10°	1689.6	1687.9	1684.9	1683.6	1682.5	1681.3	1678.4	1676.6	1676.0	1674.8	1673.6
12.5°	1655.8	1653.5	1650.5	1648.2	1646.9	1645.3	1642.3	1640.5	1640.5	1638.2	1638.2
15°	1619.8	1616.2	1610.9	1608.6	1607.9	1604.4	1602.0	1599.7	1596.7	1595.5	1595.5
17.5°	1573.7	1567.7	1563.0	1563.0	1560.6	1557.0	1553.5	1551.8	1550.0	1547.5	1546.4
20°	1519.2	1515.1	1509.7	1509.7	1504.4	1503.2	1499.6	1499.1	1494.9	1495.5	1493.7
22.5°	1453.5	1451.1	1448.1	1445.8	1442.8	1439.2	1437.5	1438.1	1436.3	1435.7	1435.1
25°	1387.2	1380.6	1377.1	1376.0	1374.7	1371.9	1370.6	1370.1	1370.1	1368.3	1368.9
27.5°	1310.8	1306.1	1301.4	1303.1	1300.8	1299.0	1297.8	1296.0	1297.2	1296.7	1297.2
30°	1232.8	1226.9	1223.9	1225.1	1224.4	1219.7	1222.1	1221.5	1222.1	1222.1	1223.3
32.5°	1150.5	1146.4	1145.7	1146.4	1141.0	1141.6	1139.2	1142.8	1143.4	1146.9	1143.9
35°	1067.0	1064.6	1060.5	1060.0	1060.5	1060.0	1060.0	1062.3	1061.7	1065.2	1064.1
37.5°	981.2	980.0	975.9	977.0	974.7	978.8	980.0	978.8	983.0	981.8	981.2
40°	897.2	895.4	893.1	897.7	894.8	892.4	896.6	893.1	894.2	897.7	897.7
42.5°	811.9	809.0	809.0	809.0	808.5	808.5	810.1	811.9	810.8	811.4	816.1
45°	726.2	725.5	723.7	725.0	724.4	727.3	727.3	728.5	730.9	733.3	732.1
47.5°	643.3	642.1	643.9	642.7	643.3	641.6	642.7	646.2	649.2	645.1	649.2
50°	565.7	563.4	562.8	564.6	564.0	563.4	564.6	564.6	563.4	563.4	567.5
52.5°	491.8	489.5	487.7	490.6	488.8	489.5	487.0	487.0	488.2	487.0	485.2
55°	422.5	420.7	418.4	419.6	416.6	416.1	413.6	413.6	411.9	410.7	407.2
57.5°	356.3	355.0	349.8	349.1	349.8	345.6	341.5	339.7	335.0	333.8	333.2
60°	297.7	291.2	288.2	284.6	282.3	280.5	275.8	272.9	265.7	261.6	261.0
62.5°	236.7	233.7	230.2	224.9	223.7	217.8	213.0	205.4	201.8	196.5	191.1
65°	187.6	179.9	174.6	171.7	166.9	161.6	156.2	148.0	143.8	137.3	132.0
67.5°	137.3	130.8	123.6	121.3	117.2	110.6	105.3	98.3	94.7	88.7	87.0
70°	94.1	88.2	82.8	79.3	76.4	69.8	64.5	62.2	58.6	57.4	57.4
72.5°	60.4	55.0	49.1	47.4	44.9	41.5	37.9	36.7	37.9	37.3	37.3
75°	33.7	30.8	26.7	24.9	24.9	23.7	23.1	23.1	23.1	23.1	23.1
77.5°	17.1	15.3	14.2	13.6	13.6	13.6	14.2	14.2	14.2	14.8	14.2
80°	8.2	7.7	7.7	7.7	8.2	8.2	8.2	8.2	8.2	8.9	8.2
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8	4.8	4.8
85°	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P844424

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6	1760.6
2.5°	1747.6	1746.5	1746.5	1745.8	1745.8	1745.8	1745.8	1746.5
5°	1728.7	1728.1	1728.1	1726.9	1726.9	1726.9	1726.9	1726.9
7.5°	1703.2	1702.0	1702.6	1701.4	1701.4	1702.0	1701.4	1700.9
10°	1671.8	1671.3	1671.8	1671.8	1670.6	1670.1	1670.6	1671.3
12.5°	1636.4	1635.7	1634.6	1635.2	1635.2	1634.6	1633.9	1632.8
15°	1594.9	1594.3	1593.7	1593.1	1592.6	1593.1	1592.6	1591.3
17.5°	1546.4	1546.4	1545.8	1545.2	1544.6	1543.4	1544.0	1545.8
20°	1494.3	1493.7	1492.5	1493.2	1490.7	1489.6	1490.2	1491.9
22.5°	1434.6	1432.8	1433.9	1432.1	1432.1	1432.8	1432.1	1431.0
25°	1369.4	1367.1	1368.3	1368.9	1368.9	1368.3	1367.6	1368.3
27.5°	1297.2	1299.0	1299.0	1297.8	1299.6	1297.2	1298.5	1299.0
30°	1223.3	1221.5	1220.9	1223.3	1226.9	1223.9	1223.9	1224.4
32.5°	1146.9	1144.6	1144.6	1145.7	1145.1	1145.1	1147.5	1144.6
35°	1065.2	1066.4	1061.7	1064.6	1065.9	1064.6	1065.2	1065.2
37.5°	983.0	981.8	981.8	981.8	983.6	983.6	984.8	984.1
40°	902.0	899.5	899.0	900.2	897.7	899.5	899.5	897.7
42.5°	814.3	814.9	817.9	814.9	815.5	814.9	813.7	813.1
45°	733.3	735.1	733.8	733.3	733.8	731.5	732.1	733.8
47.5°	647.5	651.0	647.5	649.8	649.2	648.0	646.8	644.5
50°	567.0	568.2	567.5	567.0	566.4	565.7	562.8	561.1
52.5°	484.7	484.7	484.7	484.7	478.8	481.8	480.6	477.0
55°	404.2	406.0	403.6	403.6	399.5	399.5	398.3	398.8
57.5°	326.7	324.9	323.1	323.1	319.0	317.2	315.4	313.1
60°	254.5	252.7	250.3	247.4	243.3	243.3	242.1	237.3
62.5°	186.5	183.5	181.7	179.3	175.8	173.5	171.7	172.8
65°	127.9	124.9	122.5	122.5	122.5	121.3	120.7	120.7
67.5°	84.1	85.8	84.6	85.8	85.8	84.6	84.1	85.2
70°	58.0	58.0	57.4	57.4	57.4	57.4	56.8	57.4
72.5°	37.3	37.3	37.3	37.9	37.3	37.3	37.9	37.9
75°	23.7	23.7	23.7	24.2	23.7	23.7	24.2	23.7
77.5°	14.2	14.8	14.8	14.8	14.8	14.2	14.8	14.8
80°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)