

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: P844425

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBLWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844425
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: LD6C35DE010B50 EU6C35B50 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

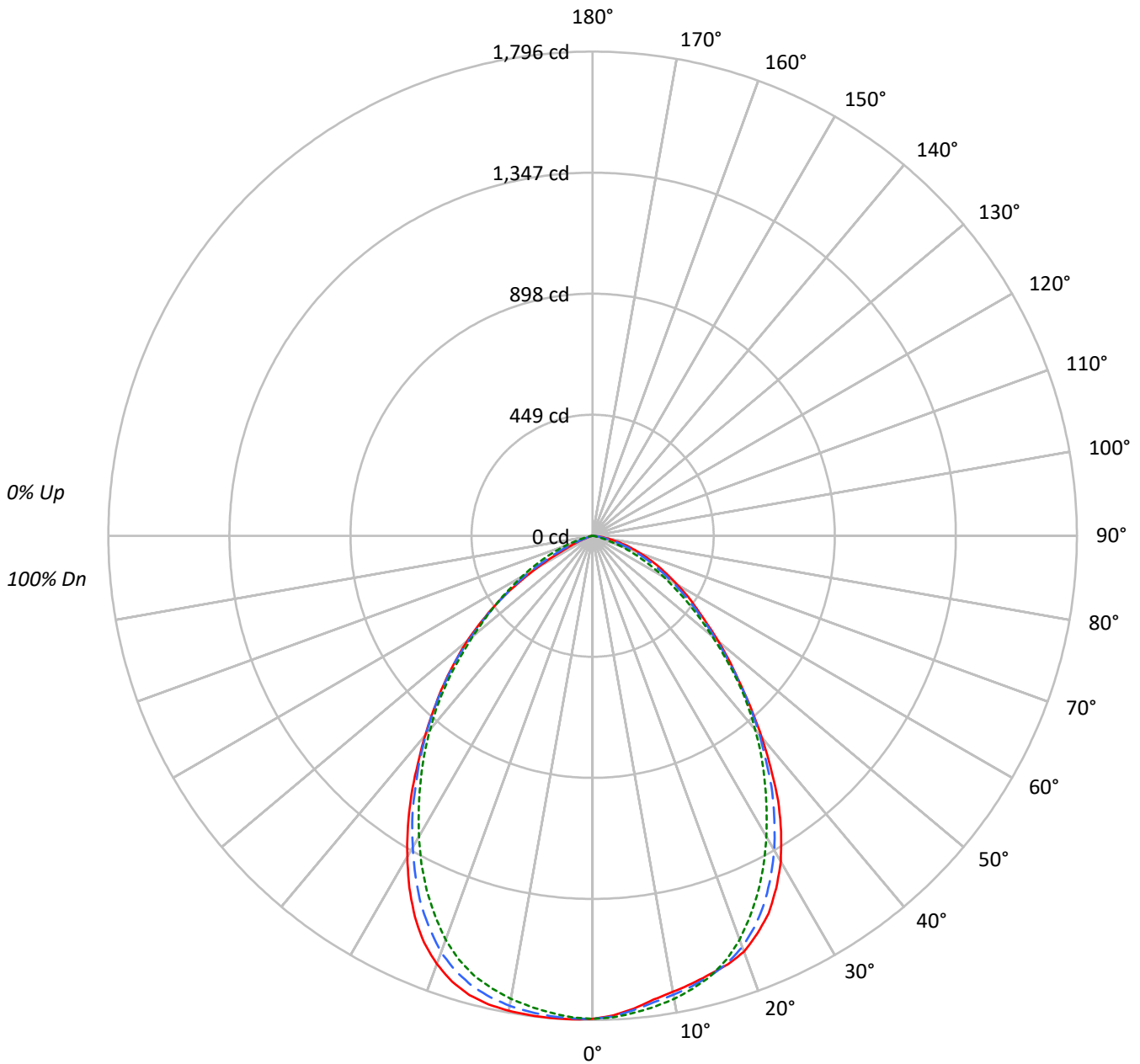
Lumens per Lamp: N/A
Luminaire Lumens: 3295.6 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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°	98232	98232	98232
5°	96880	97733	98806
10°	95601	97081	99586
15°	95551	95954	100120
20°	95768	93003	98598
25°	93423	87943	94354
30°	88324	81544	87013
35°	80308	74479	78360
40°	69817	67061	69180
45°	59851	58789	60673
50°	51904	49278	51751
55°	45035	40964	40735
60°	39657	33166	25765
65°	34790	25191	12362
70°	29893	16702	4568
75°	24337	7011	1250
80°	16448	1673	568
85°	6730	377	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	5.1
10°-20°	480.7	14.6
20°-30°	688.9	20.9
30°-40°	717.9	21.8
40°-50°	594.8	18.0
50°-60°	394.3	12.0
60°-70°	190.9	5.8
70°-80°	54.0	1.6
80°-90°	5.3	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°	1338.4	40.6
0°-40°	2056.3	62.4
0°-60°	3045.4	92.4
0°-90°	3295.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3295.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1792	1792	1792	1792	1792	
5°	1760	1765	1776	1788	1796	167
15°	1684	1690	1691	1729	1764	476
25°	1544	1505	1454	1507	1560	706
35°	1200	1162	1113	1147	1171	744
45°	772	770	758	777	783	601
55°	471	456	429	421	426	426
65°	268	242	194	133	95	267
75°	115	88	33	7	6	123
85°	11	5	1	1	1	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°	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9
2.5°	1780.7	1781.3	1782.4	1781.3	1781.9	1782.4	1782.4	1783.1	1783.1	1783.7	1784.2
5°	1760.5	1762.3	1762.3	1762.3	1762.3	1763.0	1763.5	1763.5	1763.0	1763.0	1765.3
7.5°	1735.2	1736.8	1736.3	1736.8	1737.5	1739.3	1738.6	1739.8	1741.1	1742.8	1745.2
10°	1717.4	1717.9	1717.4	1719.1	1720.3	1721.5	1721.5	1722.7	1723.8	1725.6	1728.6
12.5°	1701.4	1701.9	1702.6	1703.7	1704.9	1704.4	1705.5	1706.7	1707.3	1708.5	1710.3
15°	1683.6	1686.6	1686.0	1686.6	1687.1	1687.8	1688.3	1688.9	1688.3	1688.3	1689.6
17.5°	1667.0	1667.6	1668.2	1668.2	1668.2	1668.2	1667.0	1667.0	1665.2	1663.4	1662.3
20°	1641.6	1641.0	1639.8	1639.8	1637.4	1638.1	1635.6	1634.5	1631.5	1627.4	1623.3
22.5°	1597.1	1600.1	1598.9	1594.8	1592.5	1592.5	1590.0	1584.8	1580.0	1575.2	1570.0
25°	1544.5	1543.3	1541.5	1539.2	1535.6	1533.3	1529.7	1526.2	1518.4	1510.2	1505.4
27.5°	1474.0	1475.8	1471.7	1468.1	1466.3	1462.8	1459.2	1454.5	1445.0	1438.0	1429.6
30°	1395.3	1394.2	1393.5	1388.8	1384.0	1385.3	1378.1	1372.8	1365.7	1353.9	1347.3
32.5°	1300.6	1302.4	1298.8	1298.2	1289.4	1288.2	1288.2	1279.8	1273.9	1262.7	1253.8
35°	1200.0	1198.7	1197.6	1193.4	1192.8	1189.3	1186.3	1180.4	1172.7	1169.2	1162.0
37.5°	1084.0	1084.5	1085.1	1085.1	1082.7	1080.4	1078.0	1078.0	1067.4	1065.6	1057.3
40°	975.6	977.4	976.7	972.6	973.2	973.9	973.2	972.6	966.1	963.7	962.6
42.5°	870.2	873.2	870.2	869.6	870.2	870.2	869.1	870.9	867.9	870.2	864.9
45°	772.0	774.3	772.5	772.0	770.8	773.8	770.2	773.1	771.3	768.4	769.5
47.5°	687.3	684.9	687.3	686.1	684.3	682.0	685.6	683.8	679.6	679.0	680.2
50°	608.6	607.4	608.6	607.9	605.0	605.0	604.4	603.3	602.0	598.5	596.1
52.5°	533.4	537.5	534.5	537.5	533.4	531.6	532.2	530.4	528.1	526.9	522.2
55°	471.2	471.8	471.8	471.8	469.5	468.2	467.1	465.9	465.9	460.6	455.8
57.5°	417.3	416.2	415.5	413.7	412.6	411.4	410.3	406.7	403.2	398.4	394.8
60°	361.7	362.9	362.9	360.5	358.7	357.0	356.4	354.0	349.9	345.1	339.8
62.5°	313.8	315.0	312.0	312.0	308.4	307.9	307.9	304.3	299.5	294.2	288.3
65°	268.2	267.6	268.7	264.6	265.3	261.7	260.5	258.7	253.9	247.5	242.1
67.5°	225.0	226.1	224.3	223.2	220.8	219.7	218.4	213.1	210.8	204.9	198.9
70°	186.5	185.3	184.1	184.1	181.7	180.0	179.4	173.5	170.5	165.7	159.3
72.5°	150.4	149.2	148.0	146.3	144.5	143.8	140.3	136.8	133.2	127.2	122.6
75°	114.9	114.2	113.1	111.9	108.9	107.8	107.1	103.0	96.5	91.8	87.6
77.5°	82.9	83.4	81.1	78.7	77.0	75.2	74.0	70.4	66.3	61.0	56.8
80°	52.1	52.7	52.1	50.3	47.9	47.4	45.6	43.3	39.7	36.1	33.1
82.5°	27.8	27.8	27.2	26.7	24.9	24.9	23.7	21.9	20.1	18.4	16.0
85°	10.7	10.7	10.0	9.5	8.9	8.9	8.2	7.7	6.6	5.9	4.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9
2.5°	1784.2	1784.9	1785.4	1786.0	1786.0	1786.0	1786.7	1787.2	1787.2	1787.8	1788.4
5°	1766.5	1767.1	1768.9	1769.4	1770.6	1770.1	1771.9	1773.5	1774.8	1776.0	1777.8
7.5°	1746.4	1748.2	1750.5	1752.3	1752.9	1753.5	1755.2	1757.6	1759.4	1761.7	1763.5
10°	1729.8	1731.6	1733.9	1736.3	1736.3	1737.5	1738.6	1740.4	1742.2	1744.0	1746.4
12.5°	1711.5	1713.8	1714.4	1715.6	1715.6	1716.1	1717.4	1717.9	1719.7	1720.3	1723.8
15°	1689.6	1689.6	1689.6	1689.6	1689.6	1688.9	1687.8	1688.9	1688.9	1690.7	1692.5
17.5°	1659.3	1659.3	1655.8	1654.0	1654.6	1651.6	1651.1	1648.6	1648.6	1648.6	1650.4
20°	1619.7	1614.4	1610.2	1604.9	1602.5	1601.4	1600.1	1594.8	1594.2	1594.2	1594.2
22.5°	1563.4	1557.5	1551.5	1547.4	1541.0	1538.5	1536.2	1532.6	1528.5	1526.2	1531.5
25°	1494.8	1487.7	1480.6	1472.2	1470.5	1467.6	1461.6	1458.1	1456.3	1453.9	1455.1
27.5°	1422.0	1411.8	1404.2	1395.9	1392.9	1389.4	1384.0	1378.7	1372.8	1374.0	1374.0
30°	1338.4	1326.6	1318.3	1308.3	1307.7	1304.2	1299.4	1292.9	1288.2	1288.2	1291.2
32.5°	1247.9	1239.7	1231.9	1220.7	1218.9	1216.5	1213.0	1207.1	1203.5	1200.0	1202.3
35°	1156.1	1143.1	1137.8	1130.7	1131.2	1124.8	1119.4	1115.9	1116.4	1112.9	1114.7
37.5°	1057.3	1049.6	1041.9	1038.9	1036.0	1032.5	1030.0	1027.7	1026.5	1026.5	1025.3
40°	957.3	953.1	949.5	948.4	943.0	944.3	943.6	941.8	938.3	937.1	940.7
42.5°	863.1	859.0	857.2	854.3	853.6	851.8	851.8	850.1	849.5	850.1	849.5
45°	766.0	765.4	761.3	761.3	763.6	761.9	757.2	760.1	760.1	758.3	761.9
47.5°	676.7	677.2	674.9	670.1	670.1	667.2	663.7	666.6	668.3	665.4	667.2
50°	595.6	592.0	587.2	583.7	585.5	584.3	581.4	578.9	577.2	577.8	580.1
52.5°	518.6	516.8	511.5	507.3	506.2	506.7	503.2	499.6	500.3	499.6	498.5
55°	449.3	449.3	442.2	440.4	435.7	435.7	431.0	430.4	428.6	428.6	425.6
57.5°	389.5	384.2	380.0	375.9	374.1	371.8	370.0	365.8	364.0	360.5	359.9
60°	334.4	328.0	325.0	320.3	316.8	314.3	311.4	307.9	305.4	302.5	299.0
62.5°	285.3	278.3	272.3	267.6	264.6	264.0	259.3	255.1	250.4	246.9	240.9
65°	236.2	232.0	225.6	219.0	217.9	214.9	210.2	205.4	199.5	194.2	190.6
67.5°	193.0	187.6	181.7	178.2	174.1	171.7	166.4	159.3	152.7	147.4	140.9
70°	154.5	146.8	141.5	135.6	134.4	129.0	124.3	117.2	111.3	104.2	94.8
72.5°	116.0	108.3	104.2	98.3	94.8	91.8	85.2	78.7	69.3	64.0	55.6
75°	81.6	75.2	69.3	63.4	61.0	56.8	51.5	44.4	38.5	33.1	27.2
77.5°	50.9	46.7	41.5	36.7	34.4	31.9	27.8	22.5	18.4	14.2	10.7
80°	29.0	25.5	21.9	18.4	17.1	16.0	12.5	9.5	7.7	5.3	3.6
82.5°	13.6	11.2	9.5	7.7	7.1	5.9	4.1	3.0	1.8	1.2	0.6
85°	4.1	3.0	2.3	1.8	1.2	1.2	0.6	0.6	0.6	0.6	0.6
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°	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9
2.5°	1788.4	1789.0	1789.6	1789.6	1789.6	1790.2	1790.2	1791.3	1791.9	1792.6	1792.6
5°	1778.9	1780.7	1781.9	1782.4	1783.1	1784.9	1785.4	1787.2	1788.4	1789.6	1790.8
7.5°	1765.9	1767.6	1770.1	1771.2	1772.4	1774.8	1776.5	1779.5	1781.3	1783.7	1786.0
10°	1749.3	1751.7	1755.2	1756.4	1757.6	1760.5	1764.1	1767.6	1770.6	1774.2	1777.1
12.5°	1725.0	1728.6	1732.7	1733.9	1735.7	1739.8	1744.0	1749.3	1753.5	1758.2	1763.0
15°	1694.9	1699.6	1702.6	1703.7	1706.1	1712.0	1716.1	1722.0	1728.6	1735.7	1741.1
17.5°	1652.9	1655.2	1660.5	1662.9	1665.9	1671.8	1678.3	1685.3	1691.3	1699.0	1707.3
20°	1597.8	1601.4	1607.8	1610.2	1613.7	1619.1	1628.5	1634.5	1644.0	1653.4	1659.3
22.5°	1529.1	1535.6	1542.1	1545.1	1547.4	1554.0	1560.4	1570.6	1578.2	1591.2	1598.9
25°	1458.1	1459.9	1465.1	1470.5	1471.7	1479.9	1487.7	1499.5	1507.2	1515.5	1526.2
27.5°	1376.4	1378.7	1387.0	1388.2	1388.8	1397.7	1406.5	1416.1	1422.5	1432.0	1437.3
30°	1291.2	1295.3	1298.8	1301.2	1305.3	1309.5	1317.8	1329.6	1334.3	1342.7	1349.8
32.5°	1204.1	1204.1	1212.4	1213.0	1215.3	1224.8	1229.6	1236.7	1244.9	1251.5	1250.9
35°	1117.7	1120.0	1123.0	1127.1	1128.9	1134.8	1136.6	1141.9	1147.3	1152.0	1157.9
37.5°	1028.2	1028.2	1034.8	1037.8	1039.5	1042.5	1045.5	1050.8	1053.7	1055.5	1059.1
40°	943.0	945.4	946.6	947.7	947.7	951.9	954.3	958.4	960.2	965.0	962.6
42.5°	856.6	855.4	856.0	859.0	859.5	862.0	863.7	866.1	868.4	867.3	871.4
45°	764.9	765.4	766.6	766.6	768.4	771.3	774.3	775.5	777.3	780.2	780.9
47.5°	669.0	671.9	670.1	674.9	676.0	676.7	683.8	684.3	690.2	691.5	691.5
50°	579.6	579.6	583.1	584.9	586.0	587.8	590.2	592.6	594.4	598.5	599.7
52.5°	499.0	500.3	500.3	498.5	500.3	500.3	506.2	506.7	506.2	507.3	509.1
55°	426.9	427.4	423.9	426.2	425.6	423.9	425.1	421.5	420.9	422.6	421.5
57.5°	357.6	355.2	354.6	351.7	351.7	348.7	345.7	345.7	343.3	339.2	338.7
60°	295.4	291.8	289.5	287.7	282.9	280.1	275.8	272.3	267.6	262.3	259.3
62.5°	236.8	232.7	227.9	225.6	222.0	214.9	209.5	204.2	196.5	191.9	187.1
65°	184.7	178.2	170.5	166.9	163.4	156.8	149.8	140.9	133.2	126.7	118.3
67.5°	133.8	126.7	119.0	113.7	110.1	102.4	94.1	86.4	77.5	70.4	66.3
70°	87.6	78.7	71.6	67.5	64.0	56.3	48.5	42.0	37.9	36.1	35.5
72.5°	49.7	40.8	35.5	31.4	28.5	23.1	18.9	16.6	15.4	14.8	13.6
75°	21.4	16.0	12.5	10.0	8.9	7.1	6.6	6.6	6.6	5.9	5.9
77.5°	7.7	5.3	4.1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P844425

CATALOG NUMBER: LD6C35DE010B50 EU6C35B50 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9	1791.9
2.5°	1793.1	1794.3	1794.3	1794.9	1795.5	1795.5	1795.5	1795.5
5°	1791.9	1793.1	1793.7	1794.3	1794.9	1795.5	1795.5	1795.5
7.5°	1787.2	1789.6	1790.2	1791.3	1792.6	1793.1	1793.1	1793.7
10°	1780.1	1782.4	1784.2	1785.4	1786.7	1787.8	1789.0	1789.0
12.5°	1767.1	1770.6	1773.0	1774.2	1777.1	1778.3	1779.5	1780.7
15°	1745.7	1750.5	1753.5	1755.8	1758.2	1761.7	1762.3	1764.1
17.5°	1713.8	1720.3	1721.5	1725.0	1728.0	1733.9	1733.4	1733.9
20°	1667.6	1674.8	1677.1	1680.7	1685.3	1689.6	1693.1	1690.1
22.5°	1606.0	1614.4	1617.9	1621.5	1624.4	1627.9	1632.7	1633.3
25°	1533.3	1540.3	1543.3	1545.6	1551.5	1554.5	1559.3	1559.9
27.5°	1449.8	1453.9	1458.1	1459.2	1465.8	1467.6	1471.7	1471.7
30°	1355.0	1359.8	1364.6	1366.3	1368.0	1369.8	1372.8	1374.6
32.5°	1257.9	1262.7	1264.5	1267.5	1268.0	1271.0	1269.8	1274.6
35°	1160.9	1162.0	1163.8	1163.3	1167.4	1166.8	1171.5	1170.9
37.5°	1063.2	1062.0	1064.9	1067.9	1066.7	1065.6	1067.4	1064.4
40°	965.5	966.1	966.7	969.6	966.7	968.5	967.3	966.7
42.5°	874.3	874.3	870.9	874.3	872.0	870.9	873.2	869.6
45°	782.0	781.4	782.0	782.6	782.6	782.6	780.2	782.6
47.5°	694.4	695.0	692.6	696.8	695.6	693.2	693.2	691.5
50°	601.5	605.0	609.2	605.6	608.6	606.8	605.0	606.8
52.5°	513.3	515.6	512.6	513.3	519.7	519.7	516.2	515.6
55°	419.1	419.1	420.3	420.9	421.5	429.2	425.1	426.2
57.5°	335.1	335.1	333.3	336.9	334.4	331.5	334.4	326.8
60°	254.6	253.9	252.1	249.8	243.9	242.1	235.6	235.0
62.5°	181.2	174.6	172.3	167.5	161.0	159.3	152.7	152.1
65°	112.4	104.8	102.4	100.1	97.1	96.5	94.1	95.3
67.5°	64.0	62.7	62.2	60.4	59.2	58.1	58.1	57.4
70°	33.7	31.4	30.8	30.1	30.1	27.8	27.2	28.5
72.5°	13.0	11.8	11.8	11.8	11.2	11.2	11.2	11.2
75°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6
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)