

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: P844356

Luminaire Tested: **LD6C35DE010B2750 EU6C35B27 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844356
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: LD6C35DE010B2750 EU6C35B27 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

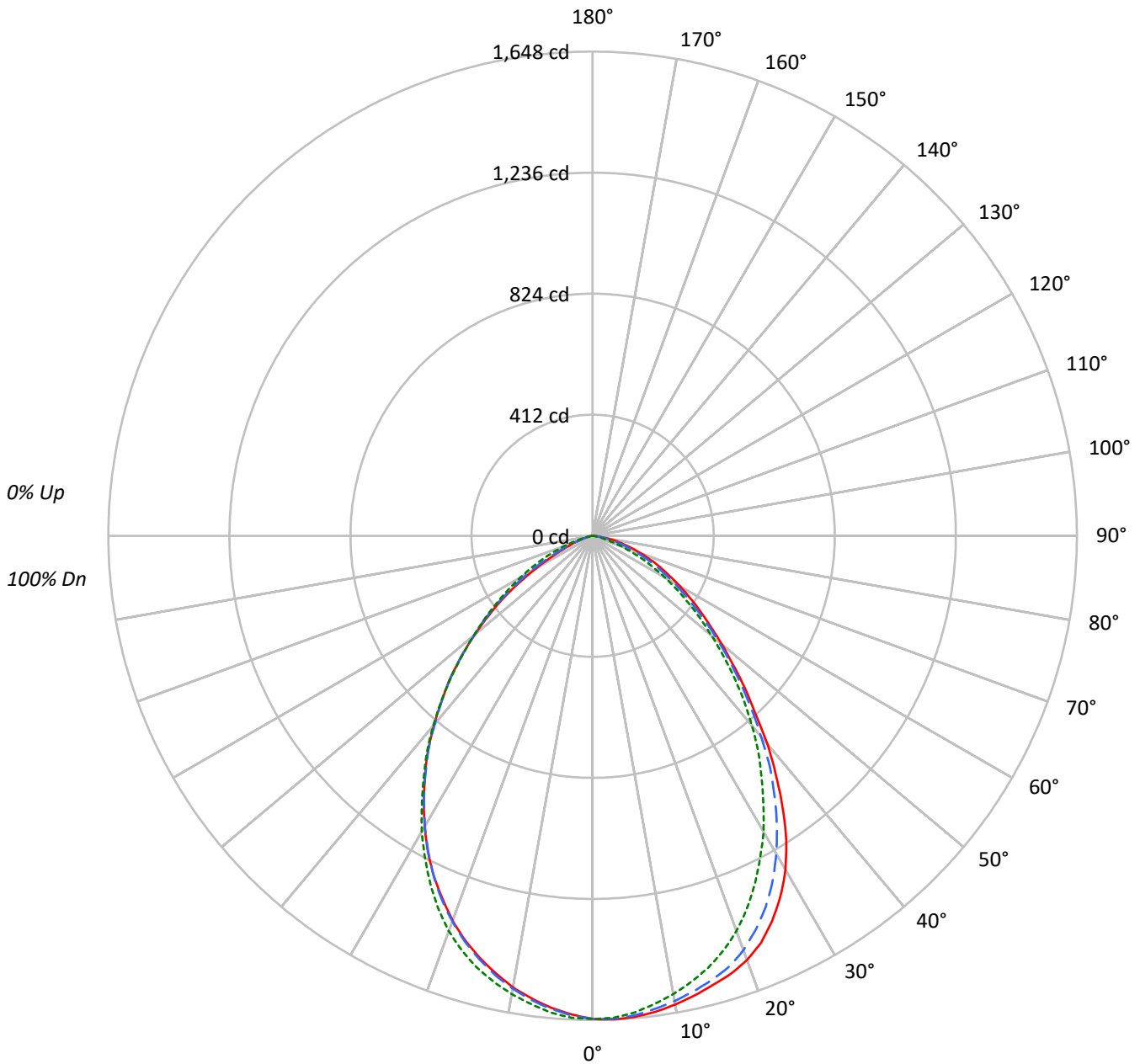
Lumens per Lamp: N/A
Luminaire Lumens: 2991.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	90141	90141	90141
5°	90458	89638	88752
10°	90179	88180	86889
15°	89842	86357	84353
20°	89637	83511	81289
25°	87459	79033	77291
30°	83095	73613	72391
35°	75422	67023	66582
40°	66174	60320	60005
45°	56735	52703	53130
50°	48834	44920	44689
55°	42684	37925	35602
60°	37508	31094	24307
65°	32831	24088	14619
70°	27985	16205	8591
75°	22600	8430	4681
80°	15690	3315	2589
85°	6227	1069	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.1	5.2
10°-20°	430.2	14.4
20°-30°	612.2	20.5
30°-40°	644.4	21.5
40°-50°	537.0	18.0
50°-60°	362.8	12.1
60°-70°	184.0	6.2
70°-80°	59.4	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°	1196.6	40.0
0°-40°	1841.0	61.6
0°-60°	2740.8	91.6
0°-90°	2991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2991.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1644	1644	1644	1644	1644	
5°	1644	1639	1629	1617	1613	156
15°	1583	1566	1522	1491	1486	447
25°	1446	1393	1307	1280	1278	663
35°	1127	1078	1002	992	995	701
45°	732	713	680	683	685	566
55°	447	425	397	385	372	402
65°	253	228	186	134	113	252
75°	107	83	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°	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3
2.5°	1648.2	1648.2	1648.2	1648.2	1648.2	1648.2	1647.7	1647.7	1646.5	1646.5	1646.0
5°	1643.8	1644.3	1644.3	1643.8	1643.8	1642.7	1642.7	1642.1	1640.5	1639.3	1638.8
7.5°	1634.4	1634.4	1633.8	1633.3	1632.8	1631.1	1630.6	1628.9	1627.8	1626.6	1624.4
10°	1620.0	1620.0	1619.4	1618.4	1617.8	1616.7	1616.7	1614.5	1612.3	1609.5	1607.8
12.5°	1602.8	1603.5	1602.3	1601.8	1600.1	1599.6	1598.5	1595.7	1594.1	1590.7	1587.9
15°	1583.0	1584.1	1584.1	1581.9	1580.2	1579.7	1578.0	1576.3	1572.5	1569.2	1565.8
17.5°	1563.6	1564.8	1563.6	1562.0	1560.3	1558.1	1557.0	1553.7	1548.7	1544.3	1539.3
20°	1536.5	1538.2	1536.0	1533.3	1530.0	1529.3	1527.8	1522.1	1515.0	1508.4	1501.2
22.5°	1498.5	1497.3	1495.6	1494.5	1489.0	1485.7	1483.5	1476.4	1468.5	1459.7	1450.9
25°	1445.9	1448.1	1444.8	1439.9	1437.1	1433.7	1428.2	1420.5	1413.3	1403.9	1393.4
27.5°	1384.0	1384.0	1379.6	1377.9	1371.9	1367.4	1364.7	1356.9	1347.5	1338.1	1326.5
30°	1312.7	1309.4	1309.4	1301.6	1296.7	1295.0	1292.2	1279.5	1271.3	1261.3	1249.7
32.5°	1226.4	1225.9	1223.7	1218.7	1212.2	1206.5	1206.5	1197.8	1186.7	1174.5	1167.3
35°	1127.0	1127.5	1126.5	1120.9	1120.9	1114.3	1113.2	1105.4	1096.6	1087.1	1078.4
37.5°	1024.2	1026.4	1024.2	1021.5	1019.8	1019.2	1014.3	1008.7	1002.1	996.5	989.9
40°	924.7	921.4	922.5	917.0	917.5	916.4	914.2	907.0	903.1	897.6	890.4
42.5°	817.4	820.8	821.9	818.6	817.4	815.2	817.4	814.7	810.3	807.5	800.8
45°	731.8	728.5	730.2	729.0	729.6	725.1	723.5	722.4	720.8	715.8	713.1
47.5°	646.6	647.3	646.6	644.4	643.4	643.4	641.1	637.9	637.9	634.5	632.4
50°	572.6	572.6	573.8	570.9	569.9	567.6	568.2	564.9	562.7	559.9	558.2
52.5°	504.6	505.2	503.0	503.5	502.4	502.4	500.3	498.0	495.8	490.8	489.7
55°	446.6	447.2	444.4	445.5	442.2	440.5	439.4	436.1	436.1	431.1	425.1
57.5°	392.4	391.9	391.3	389.6	387.4	385.8	384.1	380.2	378.6	375.2	370.3
60°	342.1	341.6	340.5	339.9	338.2	334.4	334.4	331.7	326.1	322.8	317.8
62.5°	294.6	294.6	294.0	292.4	290.7	289.1	288.0	285.8	280.3	276.4	271.9
65°	253.1	252.6	251.0	248.1	247.1	247.1	243.1	241.6	237.1	233.2	228.2
67.5°	213.3	211.1	210.0	210.6	207.3	207.3	203.9	201.2	197.4	190.7	186.8
70°	174.6	173.6	172.5	171.3	170.8	168.6	166.9	163.6	159.7	154.7	148.7
72.5°	139.8	139.8	138.1	137.1	135.4	133.2	132.1	129.3	124.9	119.4	115.0
75°	106.7	106.7	106.7	104.5	103.3	102.3	98.9	97.3	92.3	88.9	83.4
77.5°	78.5	77.4	75.7	75.2	74.0	73.0	71.3	68.5	64.1	60.3	56.9
80°	49.7	51.4	49.7	49.7	47.0	45.9	45.4	42.0	40.3	37.0	34.3
82.5°	27.6	28.2	27.1	26.5	24.9	24.3	24.3	22.1	21.0	18.8	17.1
85°	9.9	10.5	9.9	9.9	8.9	9.4	8.9	8.2	7.2	6.0	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°	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3
2.5°	1646.0	1644.9	1644.9	1644.3	1643.8	1643.8	1643.8	1643.2	1642.1	1642.1	1641.6
5°	1637.7	1636.6	1634.9	1633.8	1633.3	1632.8	1632.1	1631.6	1629.4	1628.9	1627.2
7.5°	1622.7	1621.7	1618.9	1617.8	1616.2	1615.6	1613.4	1612.3	1610.0	1607.8	1606.8
10°	1605.1	1602.3	1600.1	1597.3	1596.3	1594.6	1591.8	1588.5	1586.9	1584.1	1581.9
12.5°	1585.2	1581.9	1577.5	1574.2	1573.0	1570.3	1565.8	1563.1	1559.2	1554.8	1550.9
15°	1560.3	1556.4	1552.6	1546.5	1544.9	1541.5	1537.1	1531.6	1526.1	1521.6	1517.2
17.5°	1533.3	1527.1	1521.1	1514.4	1509.5	1507.8	1500.7	1492.8	1487.9	1480.2	1475.2
20°	1495.1	1486.8	1476.9	1470.2	1465.8	1460.8	1452.6	1444.2	1438.2	1431.5	1424.3
22.5°	1442.6	1434.9	1423.3	1413.3	1409.9	1402.8	1395.7	1387.8	1380.1	1372.9	1364.1
25°	1380.6	1372.4	1360.8	1350.8	1345.3	1342.0	1328.2	1320.5	1312.7	1306.6	1300.6
27.5°	1317.2	1302.2	1294.4	1279.0	1274.0	1272.9	1260.2	1251.9	1243.6	1235.3	1227.6
30°	1238.6	1227.1	1215.4	1204.3	1197.8	1193.9	1184.4	1174.0	1168.5	1162.9	1155.1
32.5°	1157.4	1146.9	1132.5	1122.0	1117.1	1111.5	1103.2	1096.0	1087.8	1081.6	1080.1
35°	1070.6	1059.0	1046.8	1039.1	1038.0	1031.4	1023.0	1017.0	1010.9	1001.5	999.9
37.5°	977.8	971.1	962.9	951.8	946.8	946.8	938.5	934.1	926.4	925.9	921.4
40°	886.5	883.8	871.1	867.8	866.6	858.9	856.7	849.0	843.5	842.9	836.3
42.5°	796.5	789.3	787.1	781.6	776.5	775.5	770.5	767.2	765.0	761.6	758.3
45°	706.9	705.2	699.7	695.9	694.2	692.0	690.3	683.8	682.6	679.8	678.2
47.5°	629.5	625.2	620.2	615.8	615.2	611.8	608.0	608.0	601.9	601.4	600.2
50°	552.7	549.4	546.6	540.6	541.6	537.3	536.6	531.7	528.9	526.7	529.5
52.5°	485.2	478.7	477.5	472.6	471.0	471.5	465.4	463.8	462.6	460.4	459.3
55°	421.1	417.9	413.4	410.2	407.4	404.5	402.4	402.4	396.3	396.8	394.1
57.5°	364.8	362.0	356.5	351.6	350.4	347.1	344.4	341.6	341.0	337.2	334.4
60°	314.5	309.6	302.4	300.2	296.8	294.0	291.3	288.0	286.3	283.6	278.6
62.5°	267.5	259.2	256.5	252.0	248.1	246.5	242.1	238.2	235.4	231.6	227.7
65°	222.7	216.7	211.7	206.8	206.1	201.7	197.9	194.6	189.0	185.7	178.5
67.5°	181.8	176.3	170.8	165.8	161.9	160.9	154.7	150.9	147.0	140.3	134.3
70°	144.3	138.8	134.3	128.2	126.6	122.2	117.7	113.9	107.2	101.1	96.1
72.5°	110.0	103.9	98.9	94.6	91.8	87.9	83.4	79.0	72.4	66.3	61.9
75°	78.5	74.0	69.1	64.6	62.5	60.3	55.3	50.3	45.9	39.8	36.0
77.5°	53.1	48.7	44.2	40.3	37.5	36.0	32.6	28.8	24.9	21.6	18.8
80°	31.0	28.2	24.9	21.6	21.0	19.4	16.6	14.4	12.2	10.5	8.2
82.5°	14.9	13.2	11.1	9.4	8.2	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°	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3
2.5°	1639.9	1639.3	1638.8	1638.3	1637.1	1637.1	1635.5	1634.4	1634.4	1633.3	1632.8
5°	1625.6	1623.9	1623.4	1622.2	1621.1	1620.6	1618.4	1617.8	1616.7	1615.6	1615.6
7.5°	1605.1	1602.8	1600.6	1599.6	1599.0	1597.3	1596.3	1595.7	1594.1	1592.9	1590.7
10°	1578.0	1576.3	1573.5	1572.5	1571.3	1570.3	1567.5	1565.8	1565.3	1564.2	1563.1
12.5°	1546.5	1544.3	1541.5	1539.3	1538.2	1536.5	1533.8	1532.1	1532.1	1530.0	1530.0
15°	1512.7	1509.5	1504.5	1502.3	1501.7	1498.5	1496.2	1494.0	1491.3	1490.1	1490.1
17.5°	1469.7	1464.2	1459.7	1459.7	1457.5	1454.2	1450.9	1449.3	1447.6	1445.4	1444.2
20°	1418.8	1414.9	1409.9	1409.9	1405.0	1403.9	1400.6	1400.0	1396.2	1396.7	1395.0
22.5°	1357.5	1355.3	1352.5	1350.3	1347.5	1344.3	1342.6	1343.1	1341.4	1340.9	1340.3
25°	1295.6	1289.5	1286.2	1285.0	1284.0	1281.2	1280.1	1279.5	1279.5	1277.8	1278.5
27.5°	1224.3	1219.9	1215.4	1217.1	1214.9	1213.2	1212.2	1210.5	1211.5	1211.0	1211.5
30°	1151.3	1145.7	1143.0	1144.1	1143.6	1139.2	1141.4	1140.8	1141.4	1141.4	1142.5
32.5°	1074.5	1070.6	1070.0	1070.6	1065.7	1066.2	1064.0	1067.3	1067.9	1071.2	1068.4
35°	996.5	994.4	990.5	989.9	990.5	989.9	989.9	992.2	991.5	994.9	993.8
37.5°	916.4	915.3	911.5	912.5	910.3	914.2	915.3	914.2	918.0	917.0	916.4
40°	838.0	836.3	834.0	838.5	835.7	833.5	837.3	834.0	835.1	838.5	838.5
42.5°	758.3	755.6	755.6	755.6	755.0	755.0	756.6	758.3	757.3	757.8	762.2
45°	678.2	677.6	675.9	677.1	676.6	679.3	679.3	680.4	682.6	684.8	683.8
47.5°	600.8	599.7	601.4	600.2	600.8	599.1	600.2	603.6	606.3	602.4	606.3
50°	528.4	526.2	525.6	527.3	526.7	526.2	527.3	527.3	526.2	526.2	530.1
52.5°	459.3	457.1	455.4	458.2	456.6	457.1	454.9	454.9	455.9	454.9	453.2
55°	394.6	393.0	390.8	391.9	389.1	388.6	386.4	386.4	384.7	383.6	380.2
57.5°	332.7	331.7	326.7	326.1	326.7	322.8	318.9	317.3	312.8	311.7	311.2
60°	278.1	271.9	269.2	265.9	263.7	262.0	257.5	254.8	248.1	244.3	243.8
62.5°	221.0	218.3	215.0	210.0	208.9	203.4	198.9	191.7	188.5	183.5	178.5
65°	175.2	168.1	163.1	160.3	155.9	150.9	146.0	138.1	134.3	128.2	123.2
67.5°	128.2	122.2	115.5	113.3	109.5	103.3	98.4	91.8	88.4	82.9	81.2
70°	87.9	82.4	77.4	74.0	71.3	65.3	60.3	58.1	54.7	53.6	53.6
72.5°	56.4	51.4	45.9	44.2	42.0	38.7	35.3	34.3	35.3	34.8	34.8
75°	31.5	28.8	24.9	23.2	23.2	22.1	21.6	21.6	21.6	21.6	21.6
77.5°	16.1	14.4	13.2	12.7	12.7	12.7	13.2	13.2	13.2	13.9	13.2
80°	7.7	7.2	7.2	7.2	7.7	7.7	7.7	7.7	7.7	8.2	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: P844356

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B27 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3	1644.3
2.5°	1632.1	1631.1	1631.1	1630.6	1630.6	1630.6	1630.6	1631.1
5°	1614.5	1613.9	1613.9	1612.8	1612.8	1612.8	1612.8	1612.8
7.5°	1590.7	1589.6	1590.2	1589.1	1589.1	1589.6	1589.1	1588.5
10°	1561.4	1560.9	1561.4	1561.4	1560.3	1559.8	1560.3	1560.9
12.5°	1528.3	1527.8	1526.6	1527.1	1527.1	1526.6	1526.1	1524.9
15°	1489.6	1489.0	1488.5	1487.9	1487.4	1487.9	1487.4	1486.3
17.5°	1444.2	1444.2	1443.7	1443.1	1442.6	1441.4	1442.1	1443.7
20°	1395.7	1395.0	1394.0	1394.5	1392.3	1391.2	1391.7	1393.4
22.5°	1339.8	1338.1	1339.3	1337.6	1337.6	1338.1	1337.6	1336.4
25°	1279.0	1276.8	1277.8	1278.5	1278.5	1277.8	1277.3	1277.8
27.5°	1211.5	1213.2	1213.2	1212.2	1213.7	1211.5	1212.7	1213.2
30°	1142.5	1140.8	1140.2	1142.5	1145.7	1143.0	1143.0	1143.6
32.5°	1071.2	1069.0	1069.0	1070.0	1069.5	1069.5	1071.7	1069.0
35°	994.9	996.0	991.5	994.4	995.4	994.4	994.9	994.9
37.5°	918.0	917.0	917.0	917.0	918.7	918.7	919.7	919.2
40°	842.3	840.1	839.5	840.7	838.5	840.1	840.1	838.5
42.5°	760.5	761.1	763.8	761.1	761.6	761.1	760.0	759.4
45°	684.8	686.5	685.3	684.8	685.3	683.1	683.8	685.3
47.5°	604.6	608.0	604.6	606.9	606.3	605.2	604.1	601.9
50°	529.5	530.6	530.1	529.5	528.9	528.4	525.6	524.0
52.5°	452.7	452.7	452.7	452.7	447.2	449.9	448.8	445.5
55°	377.5	379.2	376.9	376.9	373.1	373.1	372.0	372.5
57.5°	305.1	303.4	301.7	301.7	297.9	296.2	294.6	292.4
60°	237.7	236.0	233.8	231.0	227.2	227.2	226.0	221.7
62.5°	174.1	171.3	169.6	167.4	164.1	161.9	160.3	161.4
65°	119.4	116.7	114.4	114.4	114.4	113.3	112.7	112.7
67.5°	78.5	80.2	79.0	80.2	80.2	79.0	78.5	79.6
70°	54.2	54.2	53.6	53.6	53.6	53.6	53.1	53.6
72.5°	34.8	34.8	34.8	35.3	34.8	34.8	35.3	35.3
75°	22.1	22.1	22.1	22.6	22.1	22.1	22.6	22.1
77.5°	13.2	13.9	13.9	13.9	13.9	13.2	13.9	13.9
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
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)