

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: P844373

Luminaire Tested: **LD6C35DE010B2750 EU6C35B30 6LBLWWH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844373  
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 EU6C35B30 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

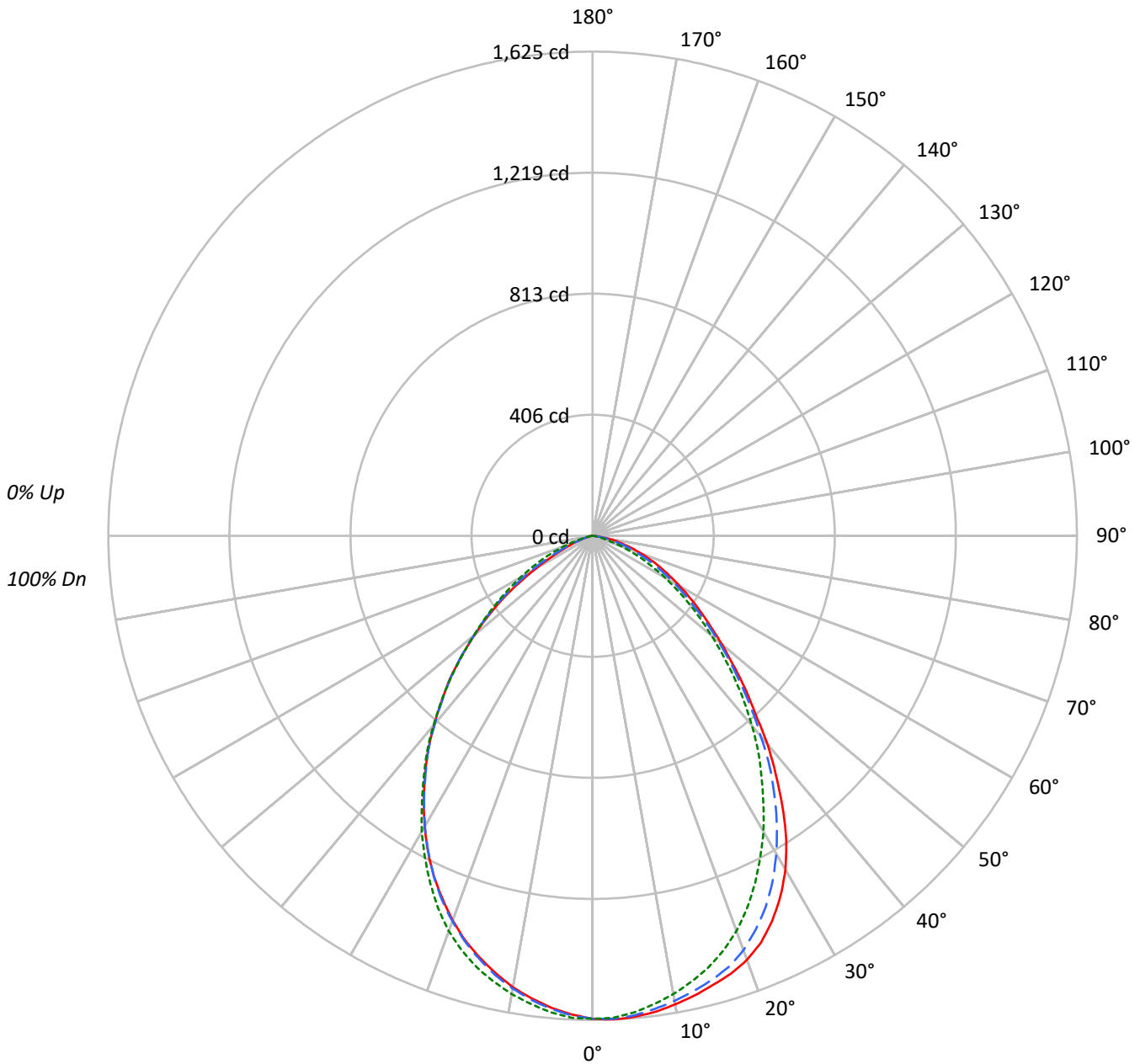
Lumens per Lamp: N/A  
Luminaire Lumens: 2948.7 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	88863	88863	88863
5°	89175	88366	87497
10°	88904	86933	85659
15°	88565	85137	83156
20°	88371	82333	80139
25°	86225	77914	76208
30°	81918	72574	71365
35°	74352	66080	65638
40°	65237	59469	59154
45°	55928	51959	52385
50°	48152	44289	44050
55°	42082	37389	35096
60°	36982	30644	23956
65°	32377	23751	14424
70°	27601	15980	8479
75°	22261	8303	4617
80°	15501	3283	2557
85°	6164	1006	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.9	5.2
10°-20°	424.2	14.4
20°-30°	603.6	20.5
30°-40°	635.3	21.5
40°-50°	529.4	18.0
50°-60°	357.7	12.1
60°-70°	181.4	6.2
70°-80°	58.5	2.0
80°-90°	6.7	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°	1179.6	40.0
0°-40°	1814.9	61.6
0°-60°	2702.1	91.6
0°-90°	2948.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1621	1621	1621	1621	1621	
5°	1620	1616	1606	1594	1590	154
15°	1560	1544	1500	1470	1465	441
25°	1426	1374	1288	1261	1260	653
35°	1111	1063	987	978	981	691
45°	721	703	670	673	676	558
55°	440	419	391	379	367	396
65°	250	225	183	132	111	248
75°	105	82	39	21	22	114
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°	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0
2.5°	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.3	1624.3	1623.3	1623.3	1622.7
5°	1620.5	1621.0	1621.0	1620.5	1620.5	1619.4	1619.4	1618.9	1617.2	1616.2	1615.6
7.5°	1611.3	1611.3	1610.7	1610.1	1609.6	1608.0	1607.5	1605.8	1604.7	1603.7	1601.5
10°	1597.1	1597.1	1596.6	1595.4	1594.9	1593.9	1593.9	1591.6	1589.5	1586.8	1585.1
12.5°	1580.2	1580.7	1579.7	1579.2	1577.5	1576.9	1575.9	1573.1	1571.5	1568.3	1565.5
15°	1560.5	1561.7	1561.7	1559.5	1557.9	1557.4	1555.7	1554.1	1550.3	1547.0	1543.7
17.5°	1541.5	1542.6	1541.5	1539.9	1538.2	1536.1	1534.9	1531.7	1526.8	1522.5	1517.5
20°	1514.8	1516.4	1514.3	1511.6	1508.3	1507.8	1506.1	1500.7	1493.6	1487.0	1479.9
22.5°	1477.2	1476.1	1474.4	1473.4	1468.0	1464.7	1462.5	1455.4	1447.8	1439.1	1430.3
25°	1425.5	1427.6	1424.3	1419.5	1416.7	1413.4	1408.0	1400.4	1393.3	1384.0	1373.7
27.5°	1364.5	1364.5	1360.1	1358.4	1352.4	1348.1	1345.3	1337.7	1328.5	1319.2	1307.8
30°	1294.1	1290.8	1290.8	1283.2	1278.4	1276.7	1274.0	1261.4	1253.3	1243.5	1232.0
32.5°	1209.1	1208.6	1206.4	1201.5	1194.9	1189.5	1189.5	1180.8	1169.8	1157.9	1150.8
35°	1111.0	1111.6	1110.5	1105.0	1105.0	1098.6	1097.4	1089.8	1081.1	1071.8	1063.1
37.5°	1009.7	1011.8	1009.7	1007.0	1005.4	1004.8	999.9	994.5	987.9	982.4	975.9
40°	911.6	908.3	909.5	904.0	904.5	903.4	901.3	894.2	890.3	884.9	877.8
42.5°	805.9	809.2	810.3	807.0	805.9	803.7	805.9	803.2	798.8	796.1	789.5
45°	721.4	718.1	719.8	718.8	719.3	715.0	713.3	712.2	710.5	705.7	702.9
47.5°	637.5	638.1	637.5	635.3	634.3	634.3	632.0	628.8	628.8	625.6	623.4
50°	564.6	564.6	565.6	562.9	561.8	559.6	560.1	556.8	554.7	552.0	550.4
52.5°	497.5	498.0	495.8	496.5	495.3	495.3	493.2	491.0	488.7	483.9	482.8
55°	440.3	440.8	438.1	439.2	436.0	434.3	433.2	429.9	429.9	425.1	419.0
57.5°	386.9	386.4	385.8	384.1	382.0	380.3	378.7	374.9	373.2	370.0	365.1
60°	337.3	336.8	335.7	335.2	333.5	329.7	329.7	326.9	321.5	318.2	313.3
62.5°	290.4	290.4	289.9	288.2	286.6	285.0	283.9	281.8	276.3	272.4	268.1
65°	249.6	249.0	247.4	244.6	243.6	243.6	239.8	238.1	233.7	229.9	225.1
67.5°	210.4	208.1	207.1	207.6	204.3	204.3	201.1	198.3	194.5	187.9	184.1
70°	172.2	171.1	170.0	168.9	168.4	166.2	164.6	161.3	157.5	152.6	146.6
72.5°	137.8	137.8	136.2	135.2	133.5	131.4	130.2	127.6	123.1	117.7	113.4
75°	105.1	105.1	105.1	103.0	101.9	100.8	97.5	95.9	91.0	87.7	82.3
77.5°	77.4	76.3	74.7	74.1	73.0	71.9	70.3	67.6	63.2	59.4	56.2
80°	49.1	50.7	49.1	49.1	46.3	45.3	44.6	41.5	39.8	36.5	33.7
82.5°	27.3	27.8	26.7	26.1	24.5	24.0	24.0	21.8	20.7	18.5	16.9
85°	9.8	10.4	9.8	9.8	8.7	9.3	8.7	8.1	7.1	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°	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0
2.5°	1622.7	1621.7	1621.7	1621.0	1620.5	1620.5	1620.5	1620.0	1618.9	1618.9	1618.4
5°	1614.6	1613.4	1611.8	1610.7	1610.1	1609.6	1609.1	1608.6	1606.3	1605.8	1604.2
7.5°	1599.8	1598.7	1596.0	1594.9	1593.3	1592.7	1590.6	1589.5	1587.3	1585.1	1584.0
10°	1582.4	1579.7	1577.5	1574.7	1573.7	1572.1	1569.3	1566.0	1564.5	1561.7	1559.5
12.5°	1562.8	1559.5	1555.1	1551.9	1550.8	1548.1	1543.7	1541.0	1537.2	1532.8	1529.0
15°	1538.2	1534.4	1530.6	1524.6	1523.0	1519.7	1515.4	1509.9	1504.5	1500.1	1495.7
17.5°	1511.6	1505.5	1499.5	1493.1	1488.1	1486.5	1479.4	1471.8	1466.8	1459.2	1454.4
20°	1473.9	1465.8	1455.9	1449.4	1445.0	1440.2	1432.0	1423.8	1417.9	1411.3	1404.2
22.5°	1422.2	1414.6	1403.2	1393.3	1390.0	1383.0	1375.9	1368.3	1360.6	1353.6	1344.8
25°	1361.2	1353.0	1341.5	1331.8	1326.3	1323.0	1309.4	1301.7	1294.1	1288.1	1282.2
27.5°	1298.5	1283.8	1276.1	1260.9	1255.9	1254.9	1242.4	1234.2	1226.0	1217.9	1210.3
30°	1221.1	1209.7	1198.2	1187.3	1180.8	1176.9	1167.7	1157.4	1151.9	1146.5	1138.9
32.5°	1141.0	1130.7	1116.5	1106.2	1101.2	1095.8	1087.7	1080.6	1072.3	1066.4	1064.7
35°	1055.5	1044.0	1032.0	1024.4	1023.4	1016.8	1008.6	1002.6	996.6	987.4	985.7
37.5°	963.9	957.4	949.2	938.3	933.4	933.4	925.2	920.9	913.3	912.7	908.3
40°	874.0	871.3	858.8	855.5	854.4	846.7	844.6	837.0	831.5	831.0	824.4
42.5°	785.2	778.1	776.0	770.5	765.6	764.5	759.6	756.3	754.1	750.9	747.6
45°	696.9	695.3	689.9	686.0	684.4	682.2	680.6	674.0	673.0	670.2	668.6
47.5°	620.6	616.3	611.4	607.0	606.4	603.2	599.4	599.4	593.4	592.8	591.7
50°	544.9	541.6	538.9	532.9	534.0	529.7	529.1	524.2	521.5	519.3	522.0
52.5°	478.5	471.9	470.8	465.9	464.3	464.8	458.8	457.2	456.1	453.9	452.8
55°	415.2	411.9	407.6	404.3	401.6	398.8	396.7	396.7	390.7	391.2	388.5
57.5°	359.6	357.0	351.5	346.6	345.4	342.1	339.5	336.8	336.2	332.4	329.7
60°	310.1	305.1	298.0	295.9	292.6	289.9	287.1	283.9	282.3	279.5	274.7
62.5°	263.8	255.5	252.9	248.4	244.6	243.0	238.7	234.9	232.2	228.3	224.5
65°	219.6	213.6	208.7	203.8	203.3	198.9	195.0	191.9	186.4	183.1	176.0
67.5°	179.3	173.9	168.4	163.5	159.7	158.5	152.6	148.8	144.9	138.4	132.4
70°	142.3	136.8	132.4	126.4	124.8	120.5	116.0	112.2	105.7	99.7	94.8
72.5°	108.4	102.5	97.5	93.2	90.4	86.6	82.3	77.9	71.4	65.4	61.0
75°	77.4	73.0	68.1	63.8	61.6	59.4	54.5	49.6	45.3	39.2	35.4
77.5°	52.4	47.9	43.6	39.8	37.0	35.4	32.2	28.3	24.5	21.3	18.5
80°	30.6	27.8	24.5	21.3	20.7	19.0	16.4	14.2	12.0	10.4	8.1
82.5°	14.7	13.1	10.9	9.3	8.1	7.6	6.6	5.5	4.3	3.8	3.8
85°	4.3	3.8	3.3	2.7	2.2	2.2	1.6	1.6	1.6	1.6	1.6
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°	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0
2.5°	1616.7	1616.2	1615.6	1615.1	1613.9	1613.9	1612.4	1611.3	1611.3	1610.1	1609.6
5°	1602.5	1600.9	1600.4	1599.2	1598.2	1597.7	1595.4	1594.9	1593.9	1592.7	1592.7
7.5°	1582.4	1580.2	1578.0	1576.9	1576.4	1574.7	1573.7	1573.1	1571.5	1570.4	1568.3
10°	1555.7	1554.1	1551.3	1550.3	1549.1	1548.1	1545.3	1543.7	1543.2	1542.0	1541.0
12.5°	1524.6	1522.5	1519.7	1517.5	1516.4	1514.8	1512.1	1510.5	1510.5	1508.3	1508.3
15°	1491.4	1488.1	1483.2	1481.0	1480.5	1477.2	1475.1	1472.9	1470.1	1469.1	1469.1
17.5°	1448.9	1443.5	1439.1	1439.1	1436.9	1433.6	1430.3	1428.8	1427.1	1424.9	1423.8
20°	1398.7	1394.9	1390.0	1390.0	1385.2	1384.0	1380.7	1380.2	1376.4	1376.9	1375.3
22.5°	1338.2	1336.1	1333.4	1331.1	1328.5	1325.2	1323.5	1324.2	1322.5	1321.9	1321.4
25°	1277.2	1271.3	1268.0	1266.9	1265.8	1263.0	1262.0	1261.4	1261.4	1259.9	1260.4
27.5°	1207.0	1202.6	1198.2	1199.9	1197.7	1196.1	1194.9	1193.3	1194.4	1193.9	1194.4
30°	1135.1	1129.6	1126.8	1128.0	1127.4	1123.0	1125.2	1124.7	1125.2	1125.2	1126.3
32.5°	1059.3	1055.5	1054.9	1055.5	1050.5	1051.1	1049.0	1052.2	1052.8	1056.0	1053.3
35°	982.4	980.3	976.4	975.9	976.4	975.9	975.9	978.1	977.6	980.8	979.7
37.5°	903.4	902.4	898.6	899.6	897.4	901.3	902.4	901.3	905.1	904.0	903.4
40°	826.1	824.4	822.2	826.6	823.9	821.7	825.5	822.2	823.4	826.6	826.6
42.5°	747.6	744.9	744.9	744.9	744.4	744.4	745.9	747.6	746.5	747.0	751.4
45°	668.6	668.0	666.4	667.5	666.9	669.7	669.7	670.8	673.0	675.1	674.0
47.5°	592.3	591.2	592.8	591.7	592.3	590.7	591.7	595.0	597.8	594.0	597.8
50°	520.9	518.8	518.2	519.8	519.3	518.8	519.8	519.8	518.8	518.8	522.6
52.5°	452.8	450.7	449.0	451.7	450.1	450.7	448.4	448.4	449.5	448.4	446.9
55°	389.1	387.4	385.3	386.4	383.6	383.1	380.9	380.9	379.3	378.2	374.9
57.5°	328.1	326.9	322.0	321.5	322.0	318.2	314.4	312.7	308.4	307.3	306.8
60°	274.0	268.1	265.4	262.1	260.0	258.3	253.9	251.2	244.6	240.8	240.3
62.5°	218.0	215.2	211.9	207.1	205.9	200.5	196.2	189.1	185.8	180.9	176.0
65°	172.7	165.6	160.8	158.0	153.7	148.8	143.8	136.2	132.4	126.4	121.5
67.5°	126.4	120.5	113.9	111.7	107.9	101.9	97.0	90.4	87.1	81.8	80.1
70°	86.6	81.2	76.3	73.0	70.3	64.3	59.4	57.2	53.9	52.9	52.9
72.5°	55.6	50.7	45.3	43.6	41.5	38.2	34.9	33.7	34.9	34.4	34.4
75°	31.1	28.3	24.5	22.8	22.8	21.8	21.3	21.3	21.3	21.3	21.3
77.5°	15.8	14.2	13.1	12.5	12.5	12.5	13.1	13.1	13.1	13.6	13.1
80°	7.6	7.1	7.1	7.1	7.6	7.6	7.6	7.6	7.6	8.1	7.6
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.3	4.3	4.3	4.3
85°	1.6	1.6	1.6	1.6	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: P844373

CATALOG NUMBER: LD6C35DE010B2750 EU6C35B30 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0	1621.0
2.5°	1609.1	1608.0	1608.0	1607.5	1607.5	1607.5	1607.5	1608.0
5°	1591.6	1591.1	1591.1	1590.0	1590.0	1590.0	1590.0	1590.0
7.5°	1568.3	1567.1	1567.6	1566.6	1566.6	1567.1	1566.6	1566.0
10°	1539.4	1538.8	1539.4	1539.4	1538.2	1537.7	1538.2	1538.8
12.5°	1506.6	1506.1	1505.0	1505.5	1505.5	1505.0	1504.5	1503.4
15°	1468.5	1468.0	1467.4	1466.8	1466.3	1466.8	1466.3	1465.2
17.5°	1423.8	1423.8	1423.3	1422.7	1422.2	1421.1	1421.7	1423.3
20°	1375.9	1375.3	1374.2	1374.8	1372.6	1371.5	1372.1	1373.7
22.5°	1320.9	1319.2	1320.2	1318.7	1318.7	1319.2	1318.7	1317.6
25°	1260.9	1258.7	1259.9	1260.4	1260.4	1259.9	1259.2	1259.9
27.5°	1194.4	1196.1	1196.1	1194.9	1196.6	1194.4	1195.5	1196.1
30°	1126.3	1124.7	1124.2	1126.3	1129.6	1126.8	1126.8	1127.4
32.5°	1056.0	1053.8	1053.8	1054.9	1054.4	1054.4	1056.6	1053.8
35°	980.8	981.9	977.6	980.3	981.4	980.3	980.8	980.8
37.5°	905.1	904.0	904.0	904.0	905.7	905.7	906.7	906.2
40°	830.5	828.2	827.7	828.8	826.6	828.2	828.2	826.6
42.5°	749.8	750.3	753.0	750.3	750.9	750.3	749.2	748.7
45°	675.1	676.8	675.7	675.1	675.7	673.5	674.0	675.7
47.5°	596.1	599.4	596.1	598.3	597.8	596.7	595.6	593.4
50°	522.0	523.1	522.6	522.0	521.5	520.9	518.2	516.5
52.5°	446.3	446.3	446.3	446.3	440.8	443.6	442.4	439.2
55°	372.2	373.8	371.7	371.7	367.8	367.8	366.7	367.2
57.5°	300.8	299.1	297.5	297.5	293.7	292.1	290.4	288.2
60°	234.3	232.7	230.5	227.8	223.9	223.9	222.8	218.5
62.5°	171.7	168.9	167.3	165.1	161.8	159.7	158.0	159.1
65°	117.7	115.0	112.7	112.7	112.7	111.7	111.2	111.2
67.5°	77.4	79.0	77.9	79.0	79.0	77.9	77.4	78.5
70°	53.4	53.4	52.9	52.9	52.9	52.9	52.4	52.9
72.5°	34.4	34.4	34.4	34.9	34.4	34.4	34.9	34.9
75°	21.8	21.8	21.8	22.3	21.8	21.8	22.3	21.8
77.5°	13.1	13.6	13.6	13.6	13.6	13.1	13.6	13.6
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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)