

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: P844332

Luminaire Tested: **LD6C30DE010B40 EU6C30B40 6LBSWLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844332  
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: LD6C30DE010B40 EU6C30B40 6LBSWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

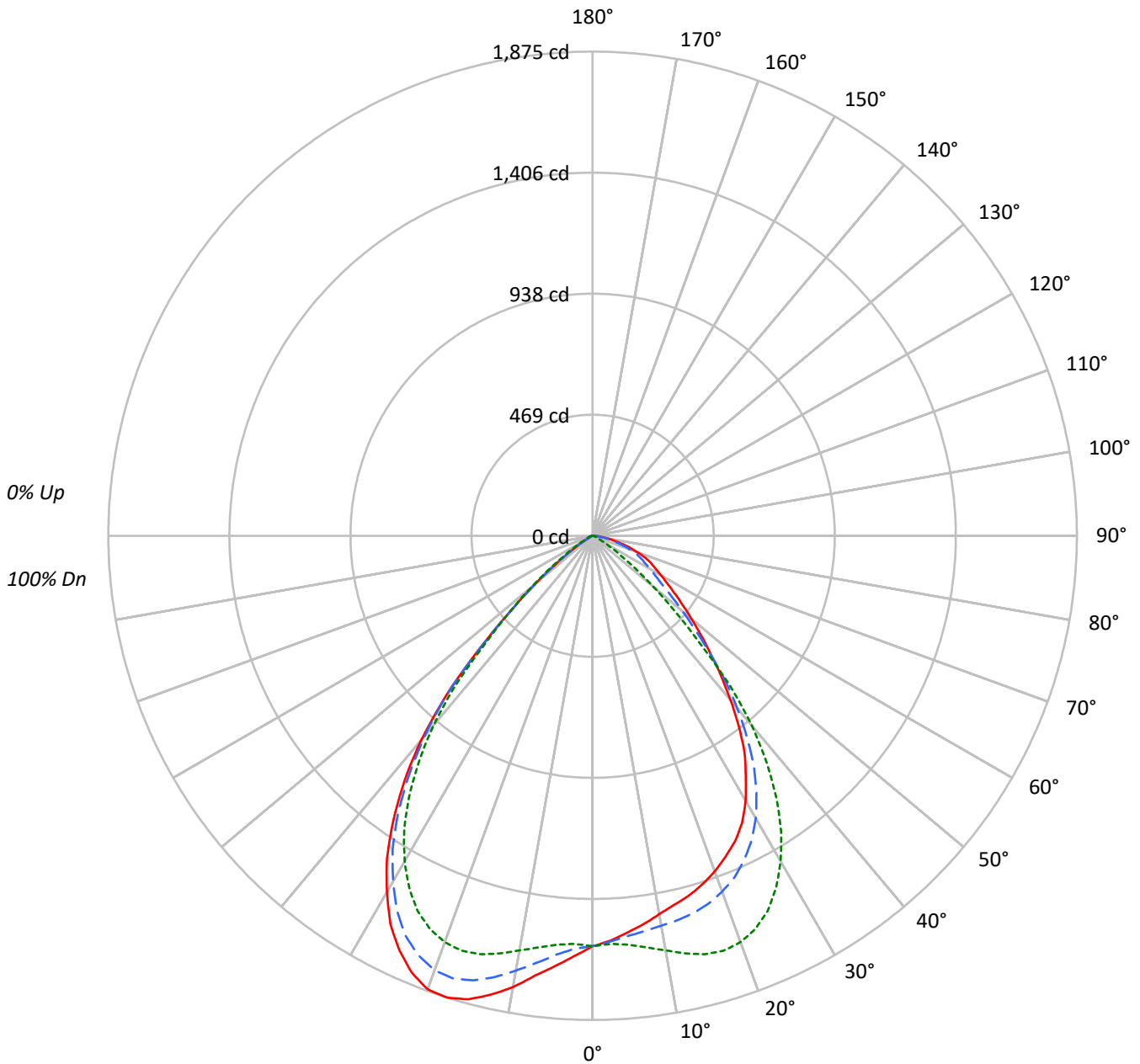
Lumens per Lamp: N/A  
Luminaire Lumens: 2905.3 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 34.1  
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°	87131	87131	87131
5°	84872	87464	92064
10°	82809	90758	98796
15°	81845	95211	105472
20°	80670	97693	109040
25°	78954	96967	107081
30°	75031	92147	100807
35°	68643	83085	89998
40°	59376	68621	73831
45°	50067	45005	48292
50°	42515	26046	24502
55°	36883	12492	9443
60°	33320	5833	2335
65°	32325	3347	778
70°	28995	2677	721
75°	23807	1927	339
80°	17742	979	0
85°	15284	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.5	5.3
10°-20°	467.9	16.1
20°-30°	714.9	24.6
30°-40°	747.7	25.7
40°-50°	485.0	16.7
50°-60°	192.6	6.6
60°-70°	91.3	3.1
70°-80°	43.4	1.5
80°-90°	8.9	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°	1336.3	46.0
0°-40°	2084.0	71.7
0°-60°	2761.7	95.1
0°-90°	2905.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2905.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1589	1589	1589	1589	1589	
5°	1542	1556	1589	1629	1673	146
15°	1442	1512	1678	1782	1858	406
25°	1305	1387	1603	1711	1770	598
35°	1026	1088	1242	1314	1345	634
45°	646	640	580	615	623	503
55°	386	328	131	102	99	350
65°	249	207	26	6	6	243
75°	112	91	9	3	2	121
85°	24	15	0	0	0	28
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°	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1569.6	1572.7	1556.0	1551.4	1563.6	1568.2	1569.6	1565.1	1566.7	1572.7	1572.7
5°	1542.3	1545.3	1530.2	1525.6	1537.8	1540.9	1545.3	1543.8	1548.5	1557.5	1556.0
7.5°	1516.5	1521.1	1504.4	1498.2	1513.5	1521.1	1524.2	1524.2	1530.2	1542.3	1543.8
10°	1487.6	1493.7	1478.6	1475.4	1492.2	1499.7	1501.3	1504.4	1513.5	1530.2	1533.1
12.5°	1463.3	1469.4	1458.8	1454.2	1472.4	1480.1	1483.0	1489.1	1499.7	1521.1	1524.2
15°	1442.1	1446.6	1434.5	1431.4	1449.6	1458.8	1460.3	1469.4	1483.0	1507.3	1512.0
17.5°	1414.7	1417.8	1408.7	1405.6	1423.8	1432.9	1434.5	1445.0	1461.8	1486.1	1493.7
20°	1382.8	1385.8	1376.7	1373.7	1391.8	1402.5	1404.0	1413.2	1432.9	1458.8	1466.4
22.5°	1344.8	1350.9	1340.2	1337.2	1355.5	1364.6	1369.1	1376.7	1396.5	1422.3	1432.9
25°	1305.3	1305.3	1297.7	1296.1	1312.9	1323.5	1321.9	1332.6	1352.4	1378.2	1387.3
27.5°	1253.6	1252.0	1244.5	1243.0	1261.2	1270.3	1267.3	1277.9	1296.1	1321.9	1331.1
30°	1185.3	1188.3	1177.7	1174.6	1189.8	1205.1	1203.5	1214.1	1232.4	1256.7	1262.7
32.5°	1103.2	1106.2	1104.7	1100.2	1113.8	1121.4	1126.0	1133.6	1148.8	1174.6	1180.6
35°	1025.7	1021.1	1015.0	1015.0	1028.8	1040.9	1036.3	1045.5	1060.6	1086.4	1088.0
37.5°	930.0	928.4	925.4	922.4	937.6	940.6	942.1	948.2	961.9	983.2	980.1
40°	829.7	831.2	829.7	823.6	832.7	844.8	843.4	846.4	858.5	873.7	869.2
42.5°	735.5	735.5	735.5	729.3	740.0	746.2	749.1	747.6	750.6	764.4	758.2
45°	645.8	647.3	645.8	644.3	645.8	648.9	645.8	644.3	644.3	648.9	639.8
47.5°	568.4	568.4	563.7	559.2	563.7	565.2	560.8	556.2	554.6	553.1	537.9
50°	498.5	496.9	495.4	487.8	492.3	493.8	487.8	484.7	478.7	471.1	452.9
52.5°	437.6	436.1	434.6	427.0	430.0	431.5	425.5	419.4	411.7	405.7	383.0
55°	385.9	384.4	384.4	379.9	376.8	379.9	373.8	369.2	358.6	351.0	328.2
57.5°	341.8	341.8	338.9	334.3	335.8	335.8	329.8	323.6	314.5	305.4	287.3
60°	303.9	303.9	303.9	299.3	299.3	299.3	296.3	290.2	282.6	273.5	255.3
62.5°	273.5	273.5	271.9	267.5	269.0	269.0	265.9	259.9	252.2	246.1	227.9
65°	249.2	249.2	249.2	244.6	244.6	246.1	243.1	237.1	231.0	223.4	206.7
67.5°	218.8	217.3	217.3	214.3	215.8	217.3	214.3	209.7	202.1	197.6	182.3
70°	180.9	182.3	183.8	179.4	180.9	180.9	179.4	174.7	170.2	165.6	152.0
72.5°	147.4	147.4	145.8	144.4	144.4	145.8	142.9	138.2	135.3	132.2	121.5
75°	112.4	110.9	112.4	109.5	109.5	109.5	106.3	104.8	103.3	98.8	91.2
77.5°	82.1	80.5	80.5	77.5	79.0	79.0	77.5	74.5	71.4	69.9	63.8
80°	56.2	56.2	56.2	54.7	54.7	53.2	53.2	51.7	48.7	47.2	44.1
82.5°	38.0	38.0	38.0	36.5	36.5	36.5	34.9	33.4	31.9	30.4	27.4
85°	24.3	24.3	24.3	22.7	22.7	22.7	21.3	21.3	19.8	18.2	15.2
87.5°	13.6	13.6	13.6	12.2	12.2	12.2	12.2	12.2	10.6	9.1	7.6
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°	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1583.4	1562.1	1575.8	1575.8	1571.2	1583.4	1591.0	1597.0	1595.5	1581.8	1580.3
5°	1571.2	1552.9	1568.2	1569.6	1565.1	1581.8	1592.5	1600.1	1601.6	1589.4	1591.0
7.5°	1562.1	1546.9	1566.7	1572.7	1571.2	1586.5	1598.6	1610.7	1616.8	1607.7	1609.2
10°	1557.5	1545.3	1566.7	1575.8	1577.2	1594.1	1612.3	1629.0	1636.6	1630.4	1635.0
12.5°	1551.4	1543.8	1568.2	1581.8	1587.9	1604.6	1627.4	1647.2	1659.3	1656.4	1665.5
15°	1545.3	1539.3	1568.2	1587.9	1595.5	1610.7	1636.6	1665.5	1679.1	1677.6	1689.8
17.5°	1530.2	1528.7	1559.1	1580.3	1591.0	1609.2	1633.5	1668.4	1682.2	1685.1	1700.4
20°	1505.9	1505.9	1539.3	1562.1	1574.3	1591.0	1621.4	1654.8	1671.5	1674.6	1691.3
22.5°	1472.4	1475.4	1507.3	1530.2	1548.5	1560.5	1592.5	1627.4	1642.6	1647.2	1665.5
25°	1428.3	1431.4	1461.8	1484.6	1504.4	1518.0	1548.5	1580.3	1598.6	1603.1	1616.8
27.5°	1370.7	1376.7	1405.6	1428.3	1445.0	1454.2	1486.1	1519.5	1533.1	1537.8	1551.4
30°	1303.7	1305.3	1334.1	1353.9	1370.7	1378.2	1405.6	1440.6	1451.2	1455.7	1475.4
32.5°	1221.7	1220.2	1247.6	1265.8	1279.4	1288.6	1317.4	1340.2	1350.9	1358.5	1369.1
35°	1123.0	1121.4	1141.2	1162.4	1173.1	1176.1	1205.1	1229.3	1235.4	1241.5	1255.2
37.5°	1012.0	1012.0	1028.8	1039.4	1051.5	1056.0	1069.8	1097.1	1107.8	1106.2	1116.9
40°	895.0	888.9	901.1	911.8	914.7	916.2	930.0	951.2	958.9	958.9	966.4
42.5°	772.0	762.8	764.4	770.4	773.4	762.8	772.0	785.6	781.1	787.1	788.7
45°	641.2	627.6	621.5	607.8	610.9	600.2	594.2	597.1	595.7	580.5	583.5
47.5°	534.8	510.6	499.9	480.2	475.6	463.5	455.8	442.2	430.0	430.0	422.4
50°	445.3	420.9	399.6	376.8	369.2	358.6	341.8	323.6	314.5	305.4	297.8
52.5°	373.8	348.0	322.2	297.8	287.3	273.5	250.8	232.5	215.8	206.7	197.6
55°	316.0	287.3	259.9	233.9	220.3	206.7	183.8	162.6	142.9	130.7	123.1
57.5°	271.9	244.6	215.8	188.4	176.2	161.1	136.8	113.9	95.7	82.1	74.5
60°	240.1	212.8	186.9	158.0	145.8	130.7	104.8	83.6	65.4	53.2	44.1
62.5°	212.8	188.4	161.1	135.3	123.1	107.9	83.6	62.3	45.6	33.4	25.8
65°	193.0	168.7	145.8	120.0	109.5	94.2	71.4	51.7	36.5	25.8	18.2
67.5°	170.2	148.9	126.1	104.8	94.2	82.1	60.8	44.1	30.4	21.3	15.2
70°	142.9	126.1	106.3	86.6	79.0	68.3	50.1	36.5	24.3	16.7	12.2
72.5°	113.9	100.3	85.1	69.9	63.8	53.2	41.0	28.9	18.2	12.2	9.1
75°	86.6	75.9	63.8	53.2	47.2	41.0	30.4	21.3	13.6	9.1	6.0
77.5°	59.3	54.7	45.6	36.5	33.4	28.9	19.8	13.6	9.1	6.0	3.1
80°	41.0	36.5	30.4	24.3	21.3	18.2	12.2	9.1	4.5	3.1	1.6
82.5°	25.8	21.3	18.2	15.2	13.6	10.6	7.6	4.5	3.1	1.6	1.6
85°	13.6	12.2	10.6	7.6	7.6	6.0	4.5	3.1	1.6	0.0	0.0
87.5°	7.6	6.0	4.5	3.1	3.1	1.6	1.6	1.6	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°	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1598.6	1598.6	1597.0	1615.2	1594.1	1615.2	1604.6	1615.2	1600.1	1598.6	1600.1
5°	1610.7	1615.2	1616.8	1633.5	1613.7	1639.5	1630.4	1639.5	1629.0	1632.0	1636.6
7.5°	1635.0	1642.6	1641.1	1662.4	1642.6	1671.5	1665.5	1679.1	1668.4	1671.5	1677.6
10°	1662.4	1671.5	1673.0	1694.3	1676.0	1710.9	1703.4	1718.5	1709.5	1714.1	1721.6
12.5°	1694.3	1704.9	1706.5	1730.7	1710.9	1747.4	1742.9	1758.1	1750.5	1755.0	1764.2
15°	1718.5	1733.8	1736.8	1761.2	1739.9	1777.9	1774.8	1794.6	1782.4	1790.0	1797.7
17.5°	1730.7	1744.5	1750.5	1773.3	1755.0	1793.0	1790.0	1806.8	1797.7	1805.2	1814.4
20°	1723.1	1739.9	1744.5	1767.2	1749.0	1787.0	1782.4	1799.1	1790.0	1796.1	1805.2
22.5°	1695.8	1712.5	1718.5	1739.9	1723.1	1758.1	1756.6	1771.9	1759.7	1767.2	1774.8
25°	1647.2	1665.5	1668.4	1688.2	1670.0	1706.5	1703.4	1720.1	1710.9	1715.6	1726.2
27.5°	1577.2	1598.6	1603.1	1619.9	1606.2	1636.6	1636.6	1650.2	1639.5	1639.5	1650.2
30°	1493.7	1515.0	1518.0	1531.7	1519.5	1546.9	1548.5	1562.1	1545.3	1554.5	1556.0
32.5°	1391.8	1405.6	1414.7	1426.9	1408.7	1443.6	1439.0	1449.6	1440.6	1440.6	1448.1
35°	1268.8	1285.6	1290.1	1305.3	1290.1	1317.4	1317.4	1323.5	1314.4	1314.4	1326.6
37.5°	1135.2	1147.3	1148.8	1163.9	1151.8	1174.6	1173.1	1177.7	1168.5	1174.6	1174.6
40°	978.5	987.7	990.7	998.3	996.8	1013.5	1012.0	1015.0	1010.5	1012.0	1015.0
42.5°	796.3	808.3	814.5	820.5	811.4	834.3	829.7	834.3	832.7	834.3	838.8
45°	586.6	595.7	600.2	601.7	598.7	612.4	622.9	613.9	615.4	612.4	618.5
47.5°	423.9	425.5	422.4	431.5	423.9	430.0	433.1	434.6	425.5	423.9	430.0
50°	290.2	297.8	287.3	291.7	290.2	296.3	293.3	294.8	285.7	290.2	287.3
52.5°	193.0	191.4	188.4	190.0	186.9	186.9	186.9	190.0	183.8	180.9	177.8
55°	117.0	113.9	107.9	106.3	106.3	107.9	104.8	101.9	101.9	100.3	100.3
57.5°	68.3	63.8	60.8	59.3	56.2	54.7	53.2	53.2	50.1	50.1	50.1
60°	38.0	33.4	30.4	27.4	27.4	25.8	24.3	22.7	22.7	22.7	21.3
62.5°	19.8	16.7	13.6	12.2	12.2	10.6	9.1	9.1	9.1	9.1	7.6
65°	13.6	10.6	9.1	7.6	7.6	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	10.6	9.1	7.6	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5
70°	9.1	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
80°	1.6	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: P844332

CATALOG NUMBER: LD6C30DE010B40 EU6C30B40 6LBSWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1613.7	1612.3	1613.7	1616.8	1610.7	1629.0	1619.9	1629.0
5°	1648.7	1650.2	1651.7	1656.4	1648.7	1671.5	1659.3	1673.0
7.5°	1694.3	1695.8	1697.3	1701.9	1697.3	1720.1	1706.5	1718.5
10°	1741.4	1744.5	1744.5	1752.1	1747.4	1768.7	1759.7	1774.8
12.5°	1785.5	1788.5	1791.5	1796.1	1793.0	1815.9	1808.2	1820.4
15°	1820.4	1826.4	1828.0	1834.0	1831.1	1855.4	1846.2	1858.4
17.5°	1837.1	1843.2	1843.2	1850.8	1847.8	1873.6	1861.4	1875.1
20°	1828.0	1832.6	1834.0	1841.7	1838.6	1864.5	1852.3	1869.1
22.5°	1799.1	1800.6	1802.2	1809.8	1808.2	1831.1	1820.4	1831.1
25°	1745.9	1750.5	1749.0	1755.0	1755.0	1773.3	1761.2	1770.3
27.5°	1670.0	1674.6	1674.6	1682.2	1676.0	1694.3	1682.2	1695.8
30°	1577.2	1581.8	1578.8	1584.9	1578.8	1597.0	1587.9	1592.5
32.5°	1466.4	1466.4	1467.9	1469.4	1466.4	1483.0	1473.9	1483.0
35°	1334.1	1337.2	1338.8	1340.2	1337.2	1349.3	1338.8	1344.8
37.5°	1185.3	1192.9	1191.3	1192.9	1188.3	1203.5	1194.4	1197.5
40°	1025.7	1025.7	1024.1	1027.3	1022.6	1034.8	1028.8	1031.7
42.5°	840.3	844.8	838.8	846.4	834.3	851.0	844.8	840.3
45°	630.7	624.5	622.9	624.5	620.0	621.5	626.1	622.9
47.5°	430.0	430.0	427.0	422.4	428.6	430.0	423.9	423.9
50°	288.7	288.7	285.7	284.2	287.3	285.7	282.6	287.3
52.5°	183.8	177.8	177.8	180.9	177.8	174.7	179.4	176.2
55°	100.3	97.3	97.3	100.3	97.3	97.3	95.7	98.8
57.5°	48.7	50.1	48.7	48.7	48.7	48.7	47.2	48.7
60°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
62.5°	9.1	9.1	7.6	7.6	7.6	7.6	7.6	7.6
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	4.5	4.5	4.5	4.5	4.5	6.0	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	6.0	6.0	6.0	6.0	6.0	6.0
75°	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6
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)