

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: P844406

Luminaire Tested: **LD6C35DE010B40 EU6C35B40 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35DE010B40 EU6C35B40 6LBLDWLI
Description:
Light Source: -
Ballast/Driver:

Summary

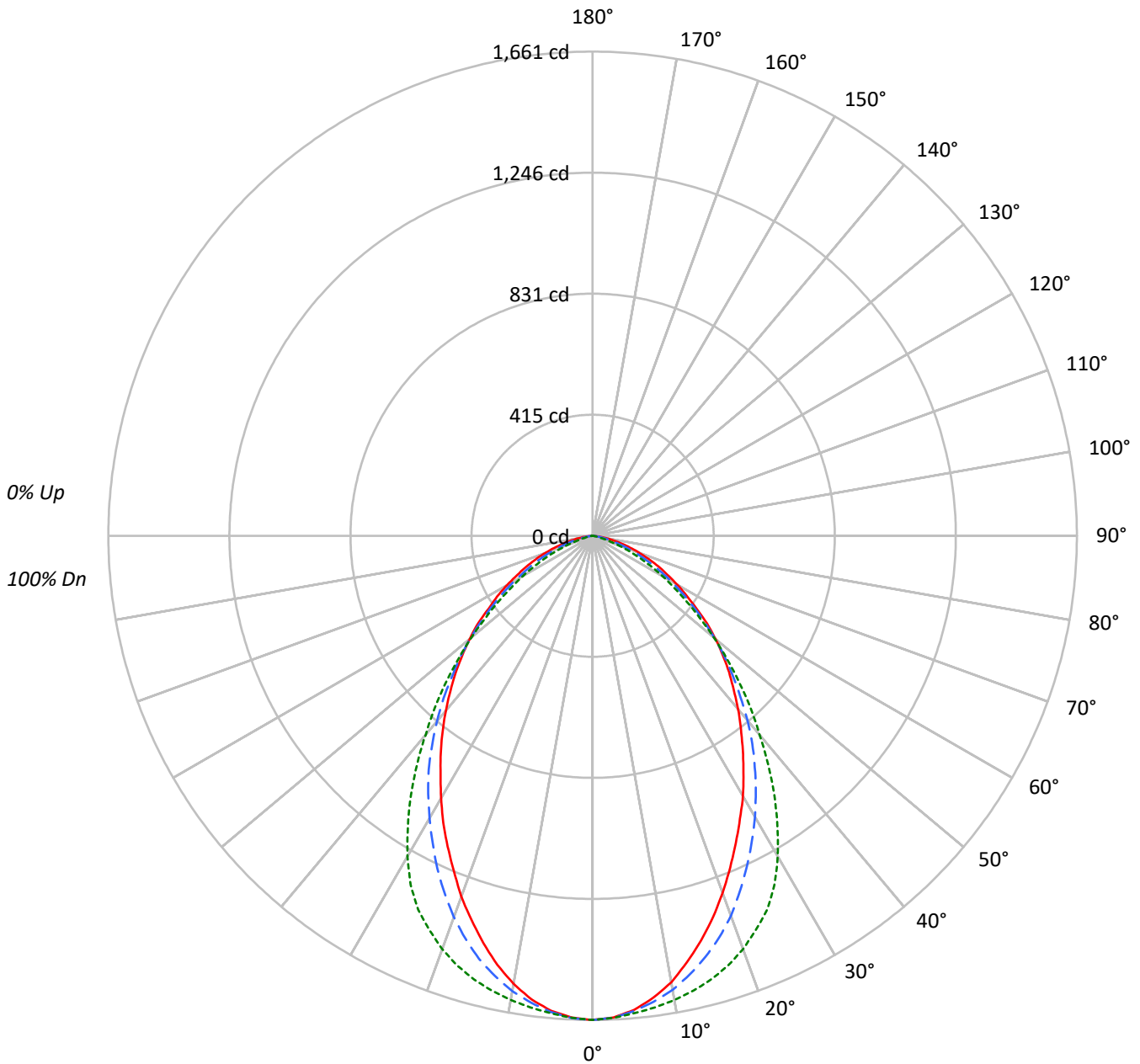
Lumens per Lamp: N/A
Luminaire Lumens: 2973.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	85	82	79	77																			
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	77	73	69	67																			
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59																			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	91051	91051	91051
5°	89841	90485	89995
10°	86555	90017	86900
15°	81578	89382	82112
20°	76027	87998	76838
25°	70304	85632	71145
30°	65295	80386	65751
35°	60084	72705	60753
40°	55518	63777	56041
45°	51284	55114	51463
50°	46915	46207	46864
55°	41442	37733	41604
60°	36609	30272	37157
65°	32221	22519	32442
70°	27104	14137	27825
75°	21499	5973	22092
80°	14364	1389	15406
85°	5913	314	6982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	5.2
10°-20°	422.3	14.2
20°-30°	583.0	19.6
30°-40°	613.3	20.6
40°-50°	528.1	17.8
50°-60°	376.0	12.6
60°-70°	212.0	7.1
70°-80°	75.1	2.5
80°-90°	8.5	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°	1160.0	39.0
0°-40°	1773.3	59.6
0°-60°	2677.4	90.1
0°-90°	2973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2973.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1661	1661	1661	1661	1661	
5°	1633	1636	1644	1640	1635	153
15°	1437	1496	1575	1503	1447	403
25°	1162	1252	1416	1259	1176	535
35°	898	970	1086	980	908	562
45°	662	680	711	682	664	510
55°	434	419	395	419	435	391
65°	248	213	174	215	250	246
75°	102	68	28	69	104	110
85°	9	4	0	4	11	16
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°	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9
2.5°	1653.7	1654.2	1654.2	1654.8	1654.2	1654.2	1654.8	1654.8	1654.2	1654.8	1654.8
5°	1632.6	1632.0	1632.6	1633.2	1634.8	1634.8	1634.3	1634.3	1635.9	1635.4	1636.5
7.5°	1598.2	1598.2	1599.9	1601.0	1601.0	1601.6	1602.6	1604.9	1607.1	1607.7	1611.5
10°	1554.9	1555.6	1554.9	1557.2	1558.8	1561.6	1561.1	1565.0	1568.8	1574.4	1581.6
12.5°	1497.8	1499.5	1502.9	1502.9	1507.9	1510.6	1510.1	1519.0	1526.2	1532.8	1541.7
15°	1437.4	1436.9	1439.7	1444.1	1449.1	1453.0	1454.6	1466.2	1473.5	1484.5	1495.6
17.5°	1372.5	1370.9	1375.3	1378.1	1386.3	1391.4	1394.7	1404.6	1416.4	1429.6	1444.6
20°	1303.2	1306.0	1307.1	1310.9	1322.0	1326.0	1331.5	1342.6	1354.2	1369.7	1387.0
22.5°	1232.2	1236.1	1238.3	1243.4	1252.2	1255.5	1261.0	1277.1	1289.9	1303.7	1319.8
25°	1162.3	1166.8	1170.7	1176.7	1182.9	1187.8	1195.0	1206.1	1220.6	1233.3	1251.6
27.5°	1094.1	1098.0	1099.1	1106.4	1113.6	1120.2	1124.1	1137.4	1149.5	1165.1	1182.9
30°	1031.5	1029.3	1032.0	1038.2	1046.4	1050.9	1057.5	1066.4	1079.7	1094.7	1112.9
32.5°	962.7	962.7	967.1	974.4	981.1	984.3	986.6	998.7	1012.0	1026.4	1041.5
35°	897.8	900.0	904.0	908.4	915.6	918.3	923.3	932.2	942.8	958.9	970.0
37.5°	835.2	836.8	840.7	845.2	850.7	856.3	858.5	867.9	875.6	888.9	899.5
40°	775.8	776.4	780.9	782.4	787.5	789.7	794.1	799.1	810.3	815.8	825.7
42.5°	715.9	718.7	720.4	724.3	724.8	729.2	731.5	733.2	742.0	745.3	750.9
45°	661.5	661.5	663.2	663.2	666.0	664.4	667.7	671.0	671.6	677.1	680.5
47.5°	605.1	603.4	605.6	605.1	604.4	604.4	605.6	606.1	607.8	611.6	613.3
50°	550.1	546.3	546.3	545.6	545.1	546.8	546.8	546.3	546.3	547.9	546.3
52.5°	494.1	493.0	490.2	488.0	486.9	486.9	486.9	484.7	484.7	483.6	479.7
55°	433.6	435.3	434.3	433.1	432.6	430.9	430.9	428.1	423.7	421.5	419.2
57.5°	381.5	383.7	383.7	381.5	378.7	377.7	374.9	373.2	369.3	365.4	361.0
60°	333.9	336.6	332.7	331.0	330.5	328.8	327.8	321.6	317.7	313.9	308.9
62.5°	288.4	289.5	286.7	285.0	283.3	281.8	281.1	276.1	269.5	264.5	258.4
65°	248.4	246.7	245.7	242.9	240.1	237.9	237.9	231.2	225.2	219.0	212.9
67.5°	206.9	207.9	206.3	204.1	199.7	197.5	194.1	189.6	184.1	178.0	170.8
70°	169.1	168.6	166.9	164.7	161.9	158.0	155.3	153.0	145.3	138.1	132.0
72.5°	134.7	134.2	132.5	129.8	125.9	124.3	122.1	116.4	110.3	104.3	97.6
75°	101.5	102.1	99.3	98.1	93.7	92.0	91.5	84.8	79.9	74.4	68.2
77.5°	72.7	72.7	69.9	67.7	65.5	64.3	62.1	58.3	54.4	48.8	43.8
80°	45.5	45.5	45.5	43.3	41.0	40.0	38.3	35.5	31.6	28.2	25.0
82.5°	24.4	24.4	23.3	22.7	21.6	20.5	20.0	18.8	16.1	14.4	12.2
85°	9.4	9.4	8.9	8.9	7.7	7.7	7.2	6.7	5.5	5.0	4.4
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	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°	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9
2.5°	1655.3	1655.3	1654.8	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.3	1655.9
5°	1637.6	1639.2	1639.9	1640.4	1641.4	1642.1	1642.6	1643.1	1643.7	1644.3	1644.3
7.5°	1614.9	1618.7	1621.6	1624.3	1625.4	1626.5	1628.2	1630.3	1632.0	1632.0	1631.5
10°	1587.7	1592.7	1598.2	1603.3	1604.9	1607.7	1610.5	1613.7	1616.5	1617.1	1617.1
12.5°	1552.2	1557.8	1567.7	1576.1	1579.4	1583.3	1588.8	1593.7	1596.6	1598.2	1597.7
15°	1507.9	1519.5	1533.4	1542.8	1547.2	1553.9	1562.8	1568.3	1572.7	1574.9	1573.9
17.5°	1459.6	1474.6	1489.6	1502.3	1508.4	1515.1	1527.2	1537.3	1543.9	1545.5	1544.5
20°	1404.6	1421.4	1437.4	1453.5	1461.9	1469.6	1482.4	1495.1	1506.2	1508.4	1506.7
22.5°	1339.3	1358.1	1377.6	1395.9	1405.3	1412.5	1430.8	1445.2	1457.9	1463.4	1459.6
25°	1271.6	1291.6	1312.1	1328.2	1338.6	1350.9	1367.5	1384.1	1399.7	1415.7	1401.4
27.5°	1199.5	1217.8	1239.4	1261.7	1271.6	1280.5	1297.6	1318.8	1334.8	1350.9	1334.8
30°	1127.4	1150.7	1170.2	1189.5	1200.6	1211.2	1228.3	1245.6	1261.0	1269.9	1260.0
32.5°	1059.7	1077.0	1096.3	1115.2	1123.0	1131.2	1145.7	1161.8	1176.7	1179.6	1172.9
35°	988.8	1003.7	1019.9	1032.0	1041.5	1050.3	1063.1	1073.1	1077.0	1086.4	1079.7
37.5°	908.4	921.6	936.1	945.0	953.2	960.5	970.0	978.8	982.1	989.3	984.3
40°	832.4	843.5	851.8	861.2	865.7	872.9	876.8	884.0	887.9	891.2	891.7
42.5°	759.2	765.3	771.4	778.0	779.7	781.4	790.8	795.8	799.7	801.9	798.5
45°	684.3	690.4	692.6	697.6	700.4	701.5	705.4	706.0	707.0	710.9	709.2
47.5°	616.1	616.7	618.3	620.5	621.7	621.7	623.9	621.7	622.7	623.4	624.4
50°	544.6	548.5	544.6	546.8	547.3	546.8	545.1	544.0	542.4	541.8	541.3
52.5°	476.9	477.5	475.3	473.6	471.9	472.4	468.0	465.8	466.4	463.0	466.9
55°	415.3	413.1	408.1	406.4	402.6	402.0	401.5	398.7	394.3	394.8	396.0
57.5°	356.0	352.2	347.1	344.4	343.3	338.9	338.2	333.9	331.0	330.5	330.5
60°	302.3	298.9	293.9	288.9	285.0	282.8	280.1	275.6	276.7	276.1	273.4
62.5°	251.2	247.4	240.1	234.6	232.4	230.7	226.9	223.5	221.8	223.5	221.8
65°	205.7	199.7	191.3	185.8	185.2	183.0	178.5	176.3	174.7	173.6	175.2
67.5°	163.6	155.3	150.3	143.1	139.7	138.7	132.5	129.2	129.8	129.2	129.8
70°	124.8	116.4	109.8	104.3	99.8	98.1	94.9	90.4	89.8	88.2	90.4
72.5°	90.4	83.2	77.1	71.0	67.1	64.8	60.5	56.1	54.9	53.8	53.8
75°	62.1	56.1	49.4	43.8	41.0	38.8	34.4	31.1	28.2	28.2	28.2
77.5°	38.8	33.8	28.9	25.0	23.3	21.0	17.2	13.9	12.8	11.1	11.6
80°	22.2	18.3	15.5	12.8	11.1	9.9	7.7	6.1	4.4	4.4	4.4
82.5°	10.6	8.9	6.7	5.5	5.0	3.9	2.7	2.2	1.7	1.1	1.1
85°	3.3	2.7	2.2	1.7	1.1	1.1	0.5	0.5	0.5	0.5	0.5
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°	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9
2.5°	1655.3	1655.9	1655.3	1655.9	1655.3	1656.5	1656.5	1655.9	1655.9	1655.9	1655.3
5°	1643.7	1643.7	1643.1	1643.1	1643.1	1642.6	1640.9	1640.9	1639.9	1639.2	1638.2
7.5°	1631.0	1629.8	1628.2	1627.6	1626.0	1624.3	1620.9	1618.2	1616.0	1613.2	1610.5
10°	1615.4	1612.7	1609.3	1607.1	1606.0	1602.1	1597.1	1590.5	1586.0	1581.1	1575.5
12.5°	1595.4	1592.2	1586.0	1581.6	1578.8	1571.6	1564.5	1556.1	1547.2	1538.3	1532.8
15°	1569.4	1563.8	1556.1	1551.7	1546.7	1536.6	1523.9	1512.3	1503.4	1493.4	1480.2
17.5°	1538.9	1530.6	1520.0	1512.8	1506.7	1493.4	1478.5	1463.4	1450.1	1438.0	1424.6
20°	1496.8	1486.7	1474.0	1464.6	1458.5	1441.3	1425.2	1407.5	1391.4	1376.9	1361.4
22.5°	1447.4	1430.8	1418.0	1406.9	1400.2	1380.8	1363.1	1344.3	1327.0	1314.3	1297.6
25°	1385.3	1369.2	1353.1	1344.3	1333.7	1313.2	1294.9	1275.5	1259.4	1243.4	1227.8
27.5°	1319.3	1300.5	1282.7	1272.1	1262.7	1242.7	1224.4	1206.8	1188.5	1170.7	1156.8
30°	1247.2	1228.3	1214.5	1201.2	1190.7	1174.5	1151.8	1134.1	1118.0	1101.9	1087.5
32.5°	1166.8	1151.2	1134.6	1128.0	1120.2	1100.8	1083.0	1065.9	1049.8	1033.7	1018.7
35°	1073.6	1061.4	1051.4	1044.2	1039.2	1022.1	1008.1	989.8	979.9	963.8	952.7
37.5°	978.2	972.2	965.5	956.6	949.4	939.4	931.1	916.1	904.5	892.9	880.6
40°	886.7	880.1	871.2	866.7	865.1	856.3	844.6	836.8	830.1	819.7	813.0
42.5°	797.5	794.1	785.3	783.1	780.9	773.0	767.5	760.9	756.4	748.7	745.3
45°	706.5	706.0	703.7	701.5	700.4	694.9	693.7	685.5	681.5	679.8	676.6
47.5°	626.1	624.4	621.1	624.4	619.5	618.9	618.9	617.2	615.5	611.1	610.6
50°	544.0	546.8	547.3	545.6	549.0	548.5	545.6	546.3	547.3	549.5	546.3
52.5°	468.6	470.9	474.7	473.1	475.8	478.6	477.5	481.9	480.3	482.5	486.9
55°	397.0	403.2	407.1	405.4	407.6	410.9	412.1	416.0	419.2	423.2	425.9
57.5°	335.5	337.2	342.7	344.4	344.9	347.7	353.2	359.4	363.2	366.0	368.8
60°	275.1	280.6	284.5	284.5	288.9	292.8	297.8	303.3	307.8	314.4	319.4
62.5°	224.0	225.2	230.7	231.2	234.6	241.2	245.2	253.4	259.0	266.2	272.9
65°	174.7	179.7	183.0	183.6	188.6	193.5	199.0	206.9	214.6	220.7	226.9
67.5°	130.8	133.7	138.1	141.9	143.1	150.3	158.6	165.8	172.5	178.0	185.8
70°	91.5	93.7	99.8	102.1	105.3	110.9	117.6	125.3	133.1	140.9	146.9
72.5°	56.1	61.0	64.8	68.2	71.0	77.6	84.8	91.5	98.1	104.8	112.5
75°	31.1	34.4	38.8	42.1	44.9	49.9	56.6	63.2	69.3	75.4	81.0
77.5°	13.9	17.2	21.0	23.3	25.5	29.9	34.9	40.5	45.5	49.9	54.9
80°	5.5	7.7	9.9	11.6	12.8	15.5	19.5	22.2	25.5	29.4	33.3
82.5°	2.2	2.7	3.9	5.0	5.5	7.2	8.9	10.6	13.3	15.0	17.2
85°	0.5	0.5	1.1	1.1	1.7	2.2	2.7	3.9	4.4	5.0	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
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: P844406

CATALOG NUMBER: LD6C35DE010B40 EU6C35B40 6LBDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9	1660.9
2.5°	1655.3	1654.8	1654.8	1654.8	1654.8	1654.2	1654.2	1654.2
5°	1638.7	1637.6	1637.0	1637.0	1635.4	1635.9	1635.9	1635.4
7.5°	1609.3	1608.2	1606.5	1607.7	1607.1	1605.5	1604.9	1604.3
10°	1571.0	1568.8	1568.3	1565.5	1563.8	1563.3	1563.3	1561.1
12.5°	1525.5	1519.5	1519.0	1516.1	1512.3	1510.1	1511.1	1507.9
15°	1475.1	1466.2	1461.9	1459.6	1455.2	1451.3	1447.9	1446.8
17.5°	1413.5	1403.6	1400.2	1398.1	1388.6	1388.0	1383.6	1381.9
20°	1349.2	1340.3	1335.4	1332.1	1324.8	1318.1	1317.6	1317.1
22.5°	1286.6	1272.1	1267.7	1262.7	1255.0	1249.4	1246.1	1243.4
25°	1215.5	1203.9	1196.2	1191.2	1185.6	1181.2	1176.7	1176.2
27.5°	1144.6	1133.5	1128.5	1124.1	1116.9	1111.9	1107.4	1109.7
30°	1075.3	1064.2	1058.7	1055.3	1048.1	1045.4	1037.5	1038.7
32.5°	1006.5	996.5	992.7	986.0	979.4	976.0	973.2	971.0
35°	940.6	932.2	926.7	922.3	916.1	910.6	907.8	907.8
37.5°	873.4	865.1	862.3	859.0	853.5	845.7	842.9	845.2
40°	805.2	799.1	796.3	794.1	788.6	785.8	783.1	783.1
42.5°	740.3	734.2	733.7	731.5	727.0	725.3	723.1	721.5
45°	672.7	669.9	667.7	667.7	667.2	666.6	664.9	663.8
47.5°	607.8	608.4	607.2	606.7	607.2	605.6	607.8	606.1
50°	548.5	547.3	548.5	547.3	547.9	550.1	547.9	549.5
52.5°	485.2	490.2	490.7	488.5	490.7	492.4	493.6	496.3
55°	429.2	430.9	432.0	434.3	435.3	438.7	435.3	435.3
57.5°	374.9	377.7	378.7	380.4	384.9	383.2	385.9	388.2
60°	325.5	328.8	331.0	332.7	334.4	338.2	339.4	338.9
62.5°	277.3	282.3	282.8	287.3	288.4	291.2	293.4	291.2
65°	232.4	236.8	240.1	242.9	246.2	249.0	248.4	250.1
67.5°	191.3	196.8	199.7	200.7	205.2	206.3	209.1	210.7
70°	154.2	158.0	161.4	163.1	165.8	169.1	171.9	173.6
72.5°	117.6	123.6	127.0	128.1	132.5	134.7	135.9	137.5
75°	87.0	92.0	93.7	96.5	98.7	103.8	103.1	104.3
77.5°	60.5	63.8	67.1	67.1	71.0	72.1	74.9	75.4
80°	36.1	40.0	41.6	42.1	44.9	46.5	47.7	48.8
82.5°	18.8	21.6	21.6	22.7	25.0	25.0	25.5	26.7
85°	7.2	8.4	8.9	8.9	9.4	10.6	10.6	11.1
87.5°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7
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)