

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709385

Luminaire Tested: DL2W-WB-M-125U-050D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

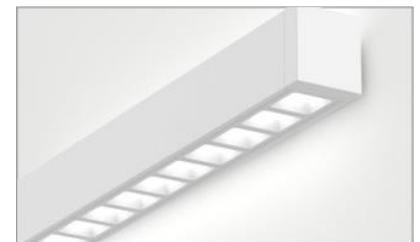
Test Information

Test Method: LM-79-2019
Report Number: P709385
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-5, G3-2104-222-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-125U-050D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6835.1 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

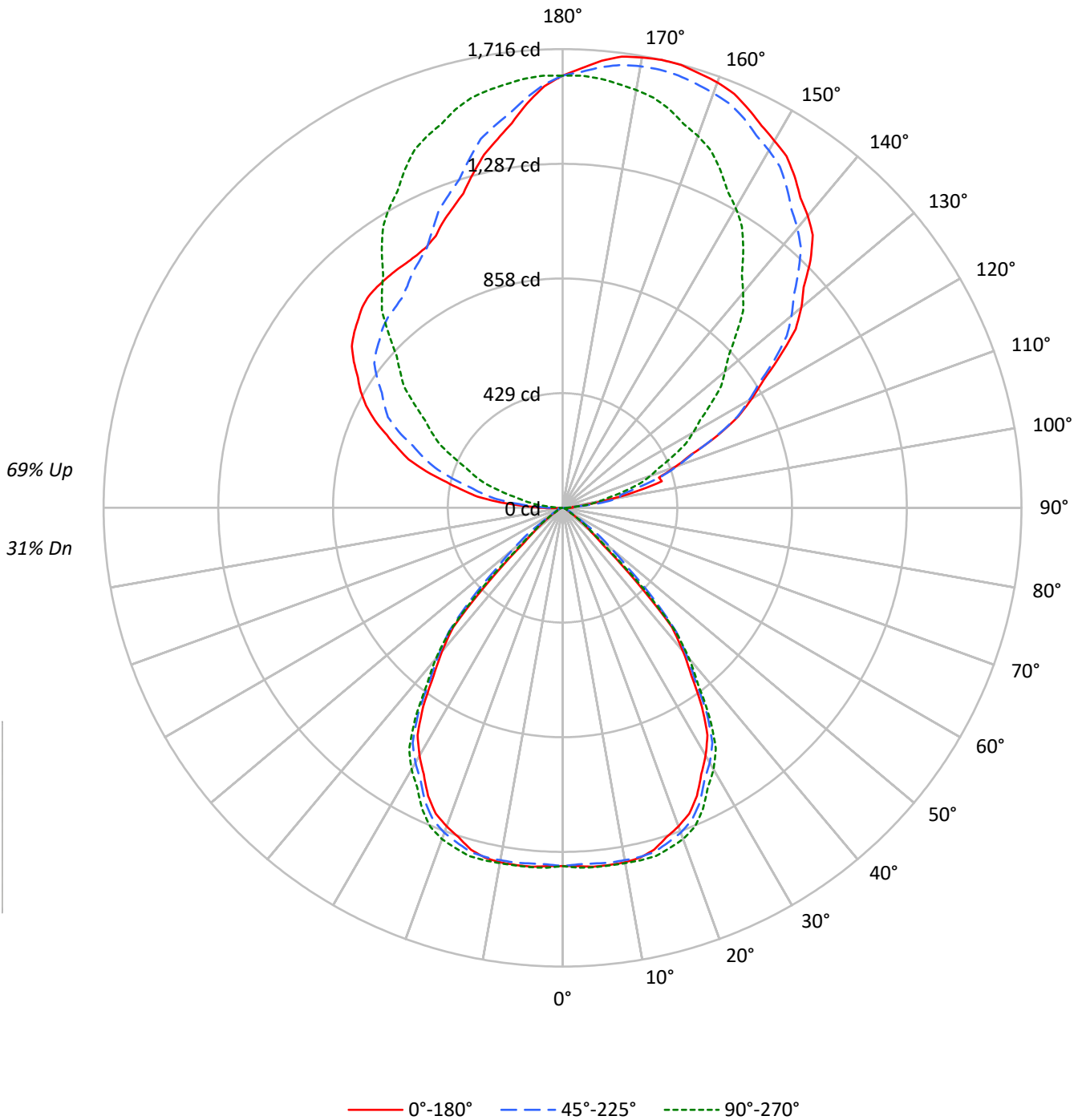
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	95	91	87	84	85	82	79	77	65	63	62	50	49	48	36	35	35	28
2	87	81	75	71	78	73	68	65	59	56	53	45	43	42	33	32	31	26
3	80	72	65	60	72	65	60	55	53	49	46	41	39	37	30	29	28	23
4	74	64	57	52	67	59	53	48	48	43	40	37	35	32	28	26	25	21
5	68	58	51	45	61	53	47	42	43	39	35	34	31	29	26	24	23	19
6	63	52	45	40	57	48	41	37	39	35	31	31	28	26	24	22	20	17
7	59	47	40	35	53	43	37	33	36	31	28	29	26	23	22	20	19	16
8	54	43	36	31	49	40	34	29	33	28	25	26	23	21	20	18	17	15
9	51	40	33	28	46	36	30	26	30	26	23	24	21	19	19	17	16	13
10	47	36	30	25	43	33	28	24	28	24	21	23	20	17	18	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21632	21632	21632	21632	21632
5°	21840	21644	21870	21644	21840
10°	22076	21940	22123	21940	22076
15°	22121	22272	22539	22272	22121
20°	21780	22215	22656	22215	21780
25°	21178	21643	22137	21643	21178
30°	19939	20517	21052	20517	19939
35°	17895	18557	18920	18557	17895
40°	14779	15220	15548	15220	14779
45°	8873	10988	9839	10988	8873
50°	3504	6059	3818	6059	3504
55°	1869	2749	1841	2749	1869
60°	807	1371	869	1371	807
65°	734	833	772	833	734
70°	727	779	774	779	727
75°	661	774	717	774	661
80°	623	716	716	716	623
85°	537	704	704	704	537

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 11061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	1.9
10°-20°	376.4	5.5
20°-30°	557.4	8.2
30°-40°	577.4	8.4
40°-50°	347.0	5.1
50°-60°	82.9	1.2
60°-70°	22.6	0.3
70°-80°	12.6	0.2
80°-90°	10.8	0.2
90°-100°	128.3	1.9
100°-110°	374.6	5.5
110°-120°	611.8	9.0
120°-130°	777.1	11.4
130°-140°	831.5	12.2
140°-150°	776.5	11.4
150°-160°	639.0	9.3
160°-170°	428.7	6.3
170°-180°	152.2	2.2
0°-30°	1062.1	15.5
0°-40°	1639.5	24.0
0°-60°	2069.4	30.3
0°-90°	2115.4	30.9
90°-120°	1114.8	16.3
90°-150°	3499.9	51.2
90°-180°	4720.0	69.1
0°-180°	6835.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1340	1340	1340	1340	1340	
5°	1348	1335	1349	1335	1348	129
15°	1323	1332	1348	1332	1323	372
25°	1189	1215	1243	1215	1189	543
35°	908	942	960	942	908	559
45°	389	481	431	481	389	306
55°	66	98	65	98	66	64
65°	19	22	20	22	19	20
75°	11	12	12	12	11	12
85°	3	4	4	4	3	4
90°	35	31	6	44	77	16
95°	38	47	50	165	229	63
105°	385	285	238	428	527	356
115°	639	634	453	678	774	626
125°	994	968	676	846	952	889
135°	1312	1247	918	951	1060	1007
145°	1513	1462	1178	1012	1085	946
155°	1646	1607	1396	1148	1122	759
165°	1715	1674	1544	1349	1294	484
175°	1679	1655	1612	1540	1519	161
180°	1617	1617	1617	1617	1617	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8
2.5°	1341.3	1342.7	1344.1	1340.3	1334.8	1334.5	1339.3	1343.4	1345.4	1347.5	1345.4
5°	1347.5	1348.3	1349.2	1343.6	1335.9	1334.9	1340.4	1345.1	1347.3	1349.4	1347.3
7.5°	1347.3	1348.6	1349.9	1345.4	1339.0	1338.1	1342.8	1346.7	1348.0	1349.4	1348.0
10°	1346.5	1347.8	1349.1	1344.6	1338.2	1338.2	1344.6	1349.4	1349.4	1349.4	1349.4
12.5°	1340.4	1342.3	1344.3	1341.3	1336.6	1338.6	1347.4	1353.6	1351.9	1350.2	1351.9
15°	1323.4	1326.4	1329.4	1329.8	1329.4	1335.4	1347.8	1356.1	1352.3	1348.4	1352.3
17.5°	1292.3	1296.4	1300.5	1304.0	1307.3	1317.6	1334.7	1346.0	1340.0	1334.0	1340.0
20°	1267.6	1271.1	1274.5	1280.2	1286.6	1299.2	1318.0	1330.6	1324.6	1318.6	1324.6
22.5°	1238.4	1242.2	1245.9	1251.4	1257.5	1270.6	1290.8	1304.3	1298.0	1291.7	1298.0
25°	1188.8	1192.2	1195.6	1201.6	1208.4	1221.3	1240.1	1252.9	1247.8	1242.6	1247.8
27.5°	1123.4	1127.1	1130.9	1136.7	1143.1	1154.4	1170.6	1182.2	1179.9	1177.6	1179.9
30°	1069.5	1074.6	1079.8	1087.2	1095.3	1105.7	1118.6	1128.3	1128.7	1129.2	1128.7
32.5°	1008.7	1015.6	1022.4	1030.0	1037.7	1047.5	1059.3	1068.0	1067.4	1066.8	1067.4
35°	907.9	915.2	922.5	930.1	937.8	945.2	952.5	958.2	959.0	959.9	959.0
37.5°	791.2	794.0	796.8	803.7	812.0	820.1	827.9	833.5	832.9	832.3	832.9
40°	701.2	701.6	702.0	708.8	717.8	726.4	734.5	740.3	739.0	737.7	739.0
42.5°	605.0	606.8	608.6	616.0	625.3	633.0	639.1	641.3	631.8	622.3	631.8
45°	388.6	420.2	451.8	467.8	478.4	484.0	484.4	478.8	454.8	430.9	454.8
47.5°	203.3	234.5	265.7	297.3	329.0	336.5	319.6	299.5	269.6	239.7	269.6
50°	139.5	150.1	160.8	195.2	237.6	244.8	217.0	191.3	171.6	152.0	171.6
52.5°	101.8	108.3	114.9	141.6	175.1	178.1	150.6	127.6	117.9	108.1	117.9
55°	66.4	68.1	69.8	81.8	97.1	98.2	85.0	74.0	69.7	65.4	69.7
57.5°	39.6	43.2	46.8	52.3	58.3	58.5	52.8	47.5	43.8	40.0	43.8
60°	25.0	27.6	30.1	35.6	42.0	42.9	38.2	33.8	30.4	26.9	30.4
62.5°	22.7	23.6	24.4	28.1	32.9	33.2	29.2	25.9	24.9	23.9	24.9
65°	19.2	19.7	20.1	20.8	21.7	21.9	21.5	21.1	20.6	20.2	20.6
67.5°	16.9	17.4	17.8	18.1	18.5	18.7	18.8	18.7	18.3	17.9	18.3
70°	15.4	15.8	16.2	16.4	16.4	16.6	17.0	17.2	16.8	16.4	16.8
72.5°	13.8	13.9	14.0	14.3	14.6	14.9	14.9	15.0	14.9	14.8	14.9
75°	10.6	11.0	11.4	11.9	12.3	12.5	12.5	12.4	12.0	11.5	12.0
77.5°	8.3	8.7	9.1	9.2	9.2	9.4	9.7	9.9	9.6	9.2	9.6
80°	6.7	7.2	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	5.2	5.6	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
85°	2.9	3.3	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	7.7	7.7	7.5	7.8	7.5	7.7	7.1	5.6	4.0	2.7	3.8
90°	34.6	34.6	33.7	33.7	30.8	30.8	27.9	20.2	12.5	5.8	11.5
92.5°	41.5	41.5	40.6	39.8	37.7	34.6	28.7	28.7	27.1	17.3	31.5
95°	37.5	37.5	36.5	37.5	41.4	52.9	76.9	84.6	57.7	50.0	72.1
97.5°	87.7	90.4	99.6	116.6	146.8	152.2	144.7	107.7	104.5	100.6	132.0
100°	173.1	178.9	190.4	205.8	241.4	191.4	150.0	150.0	141.4	137.5	171.2
102.5°	278.5	281.2	293.5	295.1	236.0	209.1	198.5	194.7	178.3	176.0	215.8
105°	384.7	364.5	320.3	287.6	284.7	284.7	283.7	266.4	243.3	238.5	279.9
107.5°	377.4	372.2	374.7	378.2	382.6	386.1	376.1	347.4	309.5	303.7	343.2
110°	448.2	441.5	446.3	452.0	454.9	456.9	437.6	398.2	358.8	349.1	384.7

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	520.5	517.6	517.8	525.9	525.7	525.3	500.7	452.8	405.7	389.9	424.0
115°	638.6	633.8	626.1	635.7	637.7	630.0	596.3	540.5	481.9	453.0	485.7
117.5°	740.6	739.0	741.4	745.2	742.5	730.6	687.3	624.2	559.2	519.9	543.0
120°	817.5	813.7	817.5	821.4	815.6	794.4	751.2	685.8	610.7	564.6	580.0
122.5°	891.4	890.6	889.9	885.2	885.6	861.4	811.2	742.7	665.4	609.2	614.6
125°	994.5	998.3	993.5	987.8	981.0	954.1	901.2	831.0	743.5	676.1	669.4
127.5°	1098.8	1099.3	1089.9	1084.3	1072.8	1041.6	988.2	919.1	824.5	747.9	723.8
130°	1165.7	1164.7	1156.1	1147.4	1132.0	1103.2	1047.4	975.3	882.9	792.5	760.8
132.5°	1222.6	1224.0	1213.8	1206.7	1187.4	1157.0	1105.9	1034.5	936.0	841.8	800.8
135°	1311.9	1313.8	1301.3	1285.0	1262.8	1231.1	1187.8	1119.5	1021.4	917.6	863.7
137.5°	1384.8	1383.5	1371.1	1356.3	1336.7	1302.7	1262.8	1195.3	1103.2	999.5	923.9
140°	1426.3	1427.3	1415.8	1399.4	1382.1	1350.4	1309.0	1244.6	1153.2	1050.3	972.4
142.5°	1461.7	1463.5	1455.0	1441.0	1420.6	1392.7	1355.9	1293.0	1203.2	1101.1	1017.0
145°	1512.9	1516.8	1509.1	1496.6	1477.3	1447.5	1416.7	1355.2	1272.5	1178.2	1086.8
147.5°	1559.7	1561.8	1555.6	1547.1	1527.5	1499.1	1470.6	1413.8	1336.1	1248.6	1155.9
150°	1585.0	1591.8	1584.1	1576.4	1559.1	1528.3	1505.2	1448.5	1379.2	1295.5	1205.1
152.5°	1612.0	1617.9	1610.2	1601.8	1584.5	1555.2	1533.7	1477.7	1413.8	1335.6	1252.1
155°	1645.6	1653.3	1647.6	1637.9	1620.6	1592.7	1571.6	1520.6	1462.9	1395.6	1317.7
157.5°	1676.8	1682.4	1677.4	1668.5	1647.2	1624.5	1602.4	1558.5	1506.6	1447.9	1380.0
160°	1693.7	1698.5	1692.8	1683.1	1661.0	1639.9	1621.6	1579.3	1531.2	1480.2	1417.7
162.5°	1703.7	1710.8	1705.1	1694.7	1672.6	1653.7	1636.2	1597.0	1553.5	1505.6	1451.5
165°	1714.9	1723.5	1716.8	1706.2	1682.2	1666.8	1653.3	1618.7	1581.2	1543.7	1497.5
167.5°	1716.4	1724.3	1718.2	1709.3	1685.5	1672.4	1661.8	1632.9	1601.2	1571.6	1533.3
170°	1711.0	1719.7	1715.8	1706.2	1683.1	1671.6	1664.9	1639.9	1612.0	1587.0	1557.2
172.5°	1702.6	1710.5	1705.8	1698.5	1675.5	1667.0	1662.6	1641.4	1618.9	1599.3	1576.4
175°	1679.3	1688.0	1683.1	1678.3	1657.2	1652.4	1653.3	1640.8	1625.4	1612.0	1597.5
177.5°	1646.0	1652.2	1648.3	1646.0	1632.9	1632.2	1636.8	1630.6	1623.7	1618.3	1612.2
180°	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8	1339.8
2.5°	1343.4	1339.3	1334.5	1334.8	1340.3	1344.1	1342.7	1341.3
5°	1345.1	1340.4	1334.9	1335.9	1343.6	1349.2	1348.3	1347.5
7.5°	1346.7	1342.8	1338.1	1339.0	1345.4	1349.9	1348.6	1347.3
10°	1349.4	1344.6	1338.2	1338.2	1344.6	1349.1	1347.8	1346.5
12.5°	1353.6	1347.4	1338.6	1336.6	1341.3	1344.3	1342.3	1340.4
15°	1356.1	1347.8	1335.4	1329.4	1329.8	1329.4	1326.4	1323.4
17.5°	1346.0	1334.7	1317.6	1307.3	1304.0	1300.5	1296.4	1292.3
20°	1330.6	1318.0	1299.2	1286.6	1280.2	1274.5	1271.1	1267.6
22.5°	1304.3	1290.8	1270.6	1257.5	1251.4	1245.9	1242.2	1238.4
25°	1252.9	1240.1	1221.3	1208.4	1201.6	1195.6	1192.2	1188.8
27.5°	1182.2	1170.6	1154.4	1143.1	1136.7	1130.9	1127.1	1123.4
30°	1128.3	1118.6	1105.7	1095.3	1087.2	1079.8	1074.6	1069.5
32.5°	1068.0	1059.3	1047.5	1037.7	1030.0	1022.4	1015.6	1008.7
35°	958.2	952.5	945.2	937.8	930.1	922.5	915.2	907.9
37.5°	833.5	827.9	820.1	812.0	803.7	796.8	794.0	791.2
40°	740.3	734.5	726.4	717.8	708.8	702.0	701.6	701.2
42.5°	641.3	639.1	633.0	625.3	616.0	608.6	606.8	605.0
45°	478.8	484.4	484.0	478.4	467.8	451.8	420.2	388.6
47.5°	299.5	319.6	336.5	329.0	297.3	265.7	234.5	203.3
50°	191.3	217.0	244.8	237.6	195.2	160.8	150.1	139.5
52.5°	127.6	150.6	178.1	175.1	141.6	114.9	108.3	101.8
55°	74.0	85.0	98.2	97.1	81.8	69.8	68.1	66.4
57.5°	47.5	52.8	58.5	58.3	52.3	46.8	43.2	39.6
60°	33.8	38.2	42.9	42.0	35.6	30.1	27.6	25.0
62.5°	25.9	29.2	33.2	32.9	28.1	24.4	23.6	22.7
65°	21.1	21.5	21.9	21.7	20.8	20.1	19.7	19.2
67.5°	18.7	18.8	18.7	18.5	18.1	17.8	17.4	16.9
70°	17.2	17.0	16.6	16.4	16.4	16.2	15.8	15.4
72.5°	15.0	14.9	14.9	14.6	14.3	14.0	13.9	13.8
75°	12.4	12.5	12.5	12.3	11.9	11.4	11.0	10.6
77.5°	9.9	9.7	9.4	9.2	9.2	9.1	8.7	8.3
80°	7.7	7.7	7.7	7.7	7.7	7.6	7.2	6.7
82.5°	6.2	6.2	6.2	6.2	6.2	6.0	5.6	5.2
85°	3.8	3.8	3.8	3.8	3.8	3.7	3.3	2.9
87.5°	5.2	7.1	9.2	11.4	13.1	14.0	15.4	16.2
90°	18.3	27.9	38.5	50.0	60.6	66.4	73.1	76.9
92.5°	44.4	59.4	77.7	95.4	110.6	119.5	125.4	127.0
95°	104.8	126.0	151.0	179.9	196.2	213.5	226.0	228.9
97.5°	161.8	199.7	234.5	260.3	286.0	304.9	316.8	320.7
100°	204.9	244.3	287.6	316.4	345.3	362.6	379.9	376.1
102.5°	254.1	291.2	335.3	369.5	403.8	424.9	437.6	443.8
105°	325.1	368.4	405.9	451.1	479.9	504.9	523.2	527.1
107.5°	391.6	441.3	479.0	521.9	556.3	578.4	597.3	603.6
110°	438.6	490.5	536.7	570.3	604.0	630.0	647.3	655.9

TEST NUMBER: P709385

CATALOG NUMBER: DL2W-WB-M-125U-050D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	480.9	533.6	585.9	624.2	660.2	683.8	701.2	710.6
115°	541.5	598.2	649.2	706.0	736.7	756.9	769.4	774.2
117.5°	597.1	654.8	709.8	762.1	799.3	812.7	822.5	828.3
120°	630.9	688.6	744.4	794.4	833.9	855.0	865.6	871.4
122.5°	662.5	721.0	776.0	826.0	865.4	889.7	903.3	907.6
125°	709.8	768.5	823.3	868.5	907.9	934.9	950.3	952.2
127.5°	753.1	803.9	863.5	911.0	948.1	973.1	987.2	993.0
130°	780.0	826.2	885.8	934.9	970.5	999.3	1011.8	1017.6
132.5°	807.7	847.0	902.7	954.1	992.8	1018.5	1031.8	1037.6
135°	853.1	876.2	925.2	977.2	1015.7	1041.6	1055.1	1059.9
137.5°	903.9	909.5	941.8	990.5	1031.4	1056.6	1067.6	1073.8
140°	937.8	934.9	954.1	997.4	1036.8	1062.8	1075.3	1079.1
142.5°	973.9	962.6	971.8	1004.3	1040.7	1065.1	1078.4	1082.2
145°	1031.0	1008.0	1003.2	1021.4	1045.5	1068.6	1081.1	1084.9
147.5°	1093.6	1062.6	1040.3	1046.1	1058.4	1073.6	1085.3	1086.1
150°	1135.9	1100.3	1069.5	1067.6	1071.4	1082.0	1090.7	1090.7
152.5°	1181.3	1137.2	1101.8	1093.8	1090.7	1095.9	1101.5	1100.7
155°	1249.4	1201.3	1157.0	1138.8	1131.1	1125.3	1125.3	1122.4
157.5°	1315.2	1264.2	1218.2	1195.7	1180.7	1172.4	1167.4	1161.7
160°	1359.0	1308.0	1255.1	1234.9	1217.6	1207.1	1201.3	1195.5
162.5°	1398.3	1351.1	1301.3	1271.9	1256.9	1247.1	1240.5	1233.2
165°	1453.3	1411.9	1364.8	1334.0	1318.6	1306.1	1300.4	1293.6
167.5°	1500.8	1467.9	1427.9	1398.5	1387.5	1371.1	1366.5	1353.4
170°	1529.3	1503.3	1464.8	1440.8	1432.1	1419.6	1411.9	1400.4
172.5°	1553.9	1532.5	1501.8	1480.0	1479.1	1465.0	1458.9	1451.9
175°	1586.0	1572.5	1548.5	1532.1	1537.9	1531.2	1530.2	1518.7
177.5°	1606.8	1603.7	1588.3	1581.4	1586.0	1586.8	1586.8	1578.3
180°	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8	1616.8

(END OF REPORT)