

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: P709394

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709394
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-5, G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-125U-125D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9957.7 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

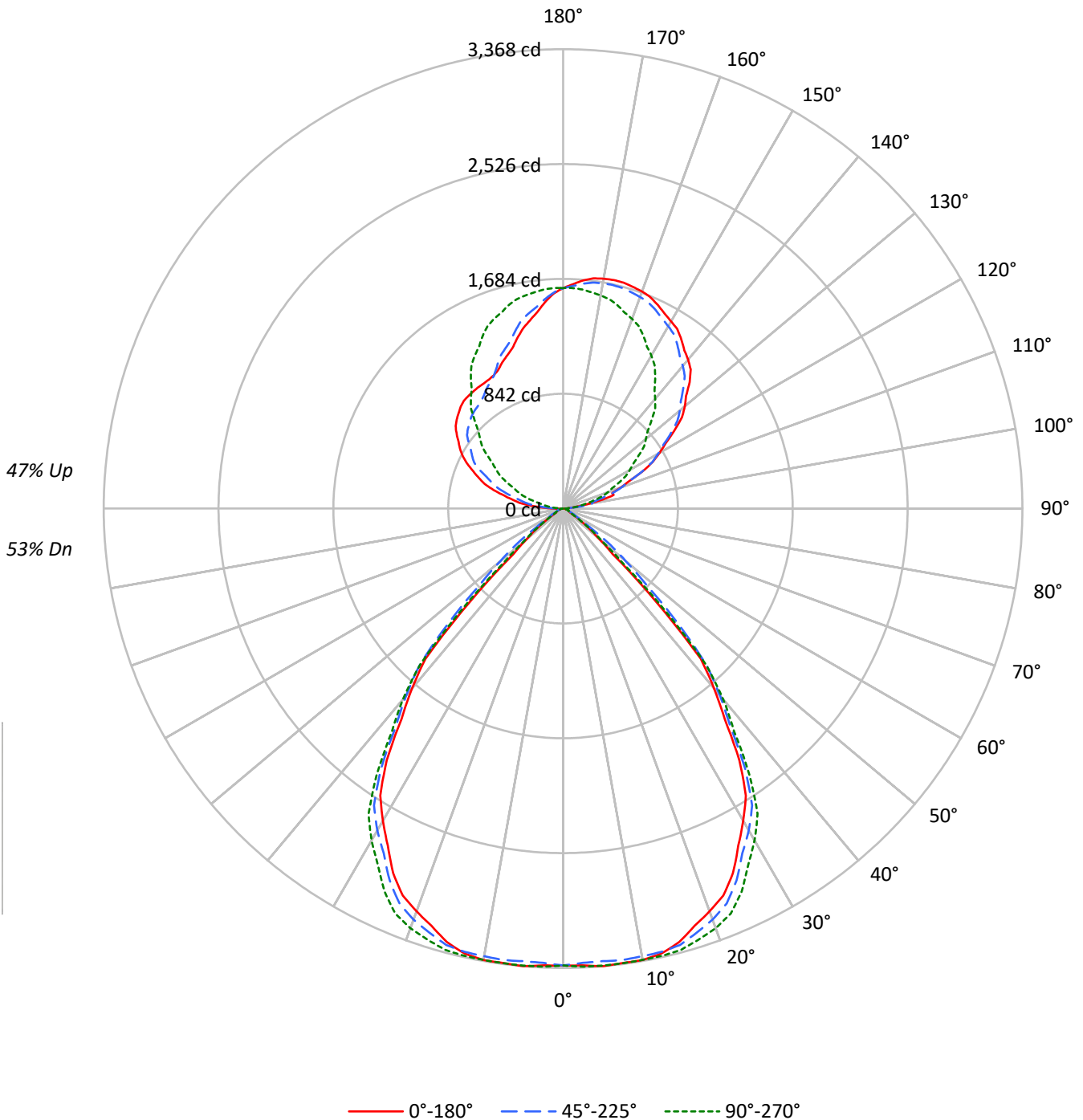
Input Watts (W): 93.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	97	93	90	93	90	87	85	77	75	73	65	64	63	55	54	53	48
2	93	87	82	77	86	81	76	73	70	67	64	60	58	56	51	49	48	43
3	86	78	72	67	80	73	68	63	64	60	56	55	52	50	47	45	43	39
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	41	39	36
5	74	64	57	52	69	60	54	49	53	48	44	46	43	40	40	37	35	32
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	34	32	30
7	64	53	46	41	60	50	44	39	45	40	36	39	36	33	34	32	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25
9	56	45	38	34	53	43	37	32	38	33	30	34	30	27	30	27	25	23
10	53	42	35	31	49	39	33	29	35	31	27	32	28	25	28	25	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54077	54077	54077	54077	54077
5°	54579	53986	54501	53986	54579
10°	55100	54644	55085	54644	55100
15°	55005	55362	55968	55362	55005
20°	53983	55098	56244	55098	53983
25°	52533	53597	55184	53597	52533
30°	49264	50781	52361	50781	49264
35°	44415	45849	46952	45849	44415
40°	36320	37693	38545	37693	36320
45°	21866	27223	24103	27223	21866
50°	8518	15123	9530	15123	8518
55°	4569	6853	4622	6853	4569
60°	1986	3389	2170	3389	1986
65°	1872	2071	1945	2071	1872
70°	1770	1950	1902	1950	1770
75°	1678	1865	1859	1865	1678
80°	1609	1795	1785	1795	1609
85°	1593	1621	1593	1621	1593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 27414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.0	3.2
10°-20°	935.4	9.4
20°-30°	1382.9	13.9
30°-40°	1428.9	14.4
40°-50°	859.8	8.6
50°-60°	206.4	2.1
60°-70°	56.4	0.6
70°-80°	31.4	0.3
80°-90°	16.6	0.2
90°-100°	128.3	1.3
100°-110°	374.6	3.8
110°-120°	611.8	6.1
120°-130°	777.1	7.8
130°-140°	831.5	8.4
140°-150°	776.5	7.8
150°-160°	639.0	6.4
160°-170°	428.7	4.3
170°-180°	152.2	1.5
0°-30°	2638.4	26.5
0°-40°	4067.3	40.8
0°-60°	5133.5	51.6
0°-90°	5237.9	52.6
90°-120°	1114.8	11.2
90°-150°	3499.9	35.1
90°-180°	4720.0	47.4
0°-180°	9957.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3349	3349	3349	3349	3349	
5°	3368	3331	3363	3331	3368	321
15°	3291	3312	3348	3312	3291	924
25°	2949	3009	3098	3009	2949	1346
35°	2253	2326	2382	2326	2253	1382
45°	958	1192	1056	1192	958	753
55°	162	243	164	243	162	158
65°	49	54	51	54	49	48
75°	27	30	30	30	27	29
85°	9	9	9	9	9	10
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°	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3
2.5°	3352.4	3354.8	3357.2	3347.5	3333.8	3332.8	3344.4	3354.1	3357.8	3361.6	3357.8
5°	3367.5	3368.4	3369.3	3353.8	3332.9	3329.0	3342.3	3353.4	3358.1	3362.7	3358.1
7.5°	3360.1	3363.4	3366.7	3355.4	3339.3	3336.9	3348.1	3357.2	3359.7	3362.2	3359.7
10°	3360.8	3362.1	3363.4	3350.6	3333.1	3332.9	3349.9	3362.4	3361.1	3359.9	3361.1
12.5°	3340.8	3344.2	3347.5	3339.1	3326.7	3331.8	3354.3	3369.8	3364.0	3358.3	3364.0
15°	3290.7	3297.1	3303.5	3304.8	3304.4	3319.7	3350.9	3371.4	3359.9	3348.3	3359.9
17.5°	3207.9	3216.0	3224.1	3234.9	3246.6	3272.7	3313.1	3339.8	3325.8	3311.8	3325.8
20°	3141.8	3149.9	3158.1	3173.2	3190.7	3222.7	3269.3	3300.7	3287.1	3273.4	3287.1
22.5°	3070.4	3077.1	3083.9	3098.9	3116.8	3151.5	3203.2	3238.8	3226.1	3213.5	3226.1
25°	2948.8	2952.6	2956.5	2971.5	2990.3	3026.8	3081.0	3119.0	3108.3	3097.6	3108.3
27.5°	2783.8	2790.3	2796.9	2812.3	2830.7	2864.7	2914.4	2950.5	2946.0	2941.5	2946.0
30°	2642.4	2654.7	2667.1	2686.5	2708.3	2739.3	2779.4	2809.4	2809.0	2808.5	2809.0
32.5°	2494.1	2509.5	2525.0	2545.2	2566.9	2593.3	2624.2	2648.1	2651.1	2654.1	2651.1
35°	2253.4	2265.7	2278.1	2295.9	2315.6	2336.7	2359.3	2376.9	2379.5	2382.1	2379.5
37.5°	1946.8	1959.2	1971.7	1987.5	2004.4	2023.6	2045.2	2061.6	2062.0	2062.4	2062.0
40°	1723.2	1730.8	1738.5	1756.5	1777.8	1798.9	1819.8	1834.8	1831.8	1828.8	1831.8
42.5°	1494.2	1499.1	1504.1	1522.9	1546.3	1567.0	1585.2	1593.3	1571.2	1549.1	1571.2
45°	957.6	1037.5	1117.3	1157.7	1185.1	1199.4	1200.6	1185.4	1120.5	1055.6	1120.5
47.5°	495.8	574.0	652.2	735.4	820.3	840.2	795.1	743.8	673.8	603.8	673.8
50°	339.1	369.8	400.5	487.0	592.0	612.1	547.2	485.3	432.3	379.4	432.3
52.5°	253.0	268.0	283.1	350.2	434.7	443.9	377.6	321.4	295.5	269.5	295.5
55°	162.3	168.7	175.1	204.9	242.5	244.4	210.7	183.0	173.6	164.2	173.6
57.5°	99.9	108.3	116.6	129.6	144.1	144.2	130.0	117.1	108.3	99.5	108.3
60°	61.5	69.2	76.8	89.6	104.2	105.7	94.1	83.5	75.3	67.2	75.3
62.5°	55.3	58.2	61.1	70.4	81.9	82.9	73.4	65.5	62.5	59.6	62.5
65°	49.0	49.8	50.7	52.2	53.9	54.5	54.1	53.5	52.2	50.9	52.2
67.5°	42.1	43.4	44.6	45.3	45.7	46.1	46.6	46.7	45.8	45.0	45.8
70°	37.5	38.7	40.0	40.7	41.1	41.5	41.9	42.0	41.2	40.3	41.2
72.5°	33.6	34.6	35.5	36.1	36.5	36.9	37.3	37.4	36.6	35.7	36.6
75°	26.9	27.7	28.6	29.1	29.6	30.2	31.1	31.5	30.6	29.8	30.6
77.5°	21.1	22.0	22.8	23.3	23.6	24.0	24.5	24.6	23.8	23.1	23.8
80°	17.3	18.1	19.0	19.2	19.2	19.4	19.9	20.1	19.6	19.2	19.6
82.5°	13.4	14.0	14.5	14.6	14.6	14.8	15.2	15.5	15.5	15.4	15.5
85°	8.6	8.6	8.6	8.6	8.6	8.9	9.3	9.5	9.1	8.6	9.1
87.5°	9.2	9.6	9.7	9.8	9.2	9.2	8.7	7.1	5.6	4.2	5.4
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°	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3	3349.3
2.5°	3354.1	3344.4	3332.8	3333.8	3347.5	3357.2	3354.8	3352.4
5°	3353.4	3342.3	3329.0	3332.9	3353.8	3369.3	3368.4	3367.5
7.5°	3357.2	3348.1	3336.9	3339.3	3355.4	3366.7	3363.4	3360.1
10°	3362.4	3349.9	3332.9	3333.1	3350.6	3363.4	3362.1	3360.8
12.5°	3369.8	3354.3	3331.8	3326.7	3339.1	3347.5	3344.2	3340.8
15°	3371.4	3350.9	3319.7	3304.4	3304.8	3303.5	3297.1	3290.7
17.5°	3339.8	3313.1	3272.7	3246.6	3234.9	3224.1	3216.0	3207.9
20°	3300.7	3269.3	3222.7	3190.7	3173.2	3158.1	3149.9	3141.8
22.5°	3238.8	3203.2	3151.5	3116.8	3098.9	3083.9	3077.1	3070.4
25°	3119.0	3081.0	3026.8	2990.3	2971.5	2956.5	2952.6	2948.8
27.5°	2950.5	2914.4	2864.7	2830.7	2812.3	2796.9	2790.3	2783.8
30°	2809.4	2779.4	2739.3	2708.3	2686.5	2667.1	2654.7	2642.4
32.5°	2648.1	2624.2	2593.3	2566.9	2545.2	2525.0	2509.5	2494.1
35°	2376.9	2359.3	2336.7	2315.6	2295.9	2278.1	2265.7	2253.4
37.5°	2061.6	2045.2	2023.6	2004.4	1987.5	1971.7	1959.2	1946.8
40°	1834.8	1819.8	1798.9	1777.8	1756.5	1738.5	1730.8	1723.2
42.5°	1593.3	1585.2	1567.0	1546.3	1522.9	1504.1	1499.1	1494.2
45°	1185.4	1200.6	1199.4	1185.1	1157.7	1117.3	1037.5	957.6
47.5°	743.8	795.1	840.2	820.3	735.4	652.2	574.0	495.8
50°	485.3	547.2	612.1	592.0	487.0	400.5	369.8	339.1
52.5°	321.4	377.6	443.9	434.7	350.2	283.1	268.0	253.0
55°	183.0	210.7	244.4	242.5	204.9	175.1	168.7	162.3
57.5°	117.1	130.0	144.2	144.1	129.6	116.6	108.3	99.9
60°	83.5	94.1	105.7	104.2	89.6	76.8	69.2	61.5
62.5°	65.5	73.4	82.9	81.9	70.4	61.1	58.2	55.3
65°	53.5	54.1	54.5	53.9	52.2	50.7	49.8	49.0
67.5°	46.7	46.6	46.1	45.7	45.3	44.6	43.4	42.1
70°	42.0	41.9	41.5	41.1	40.7	40.0	38.7	37.5
72.5°	37.4	37.3	36.9	36.5	36.1	35.5	34.6	33.6
75°	31.5	31.1	30.2	29.6	29.1	28.6	27.7	26.9
77.5°	24.6	24.5	24.0	23.6	23.3	22.8	22.0	21.1
80°	20.1	19.9	19.4	19.2	19.2	19.0	18.1	17.3
82.5°	15.5	15.2	14.8	14.6	14.6	14.5	14.0	13.4
85°	9.5	9.3	8.9	8.6	8.6	8.6	8.6	8.6
87.5°	6.7	8.7	10.8	13.1	15.2	16.3	17.3	17.7
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: P709394

CATALOG NUMBER: DL2W-WB-M-125U-125D-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)