

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: P709391

Luminaire Tested: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

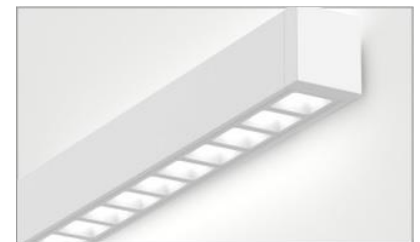
Test Information

Test Method: LM-79-2019
Report Number: P709391
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-5, G3-2104-222-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

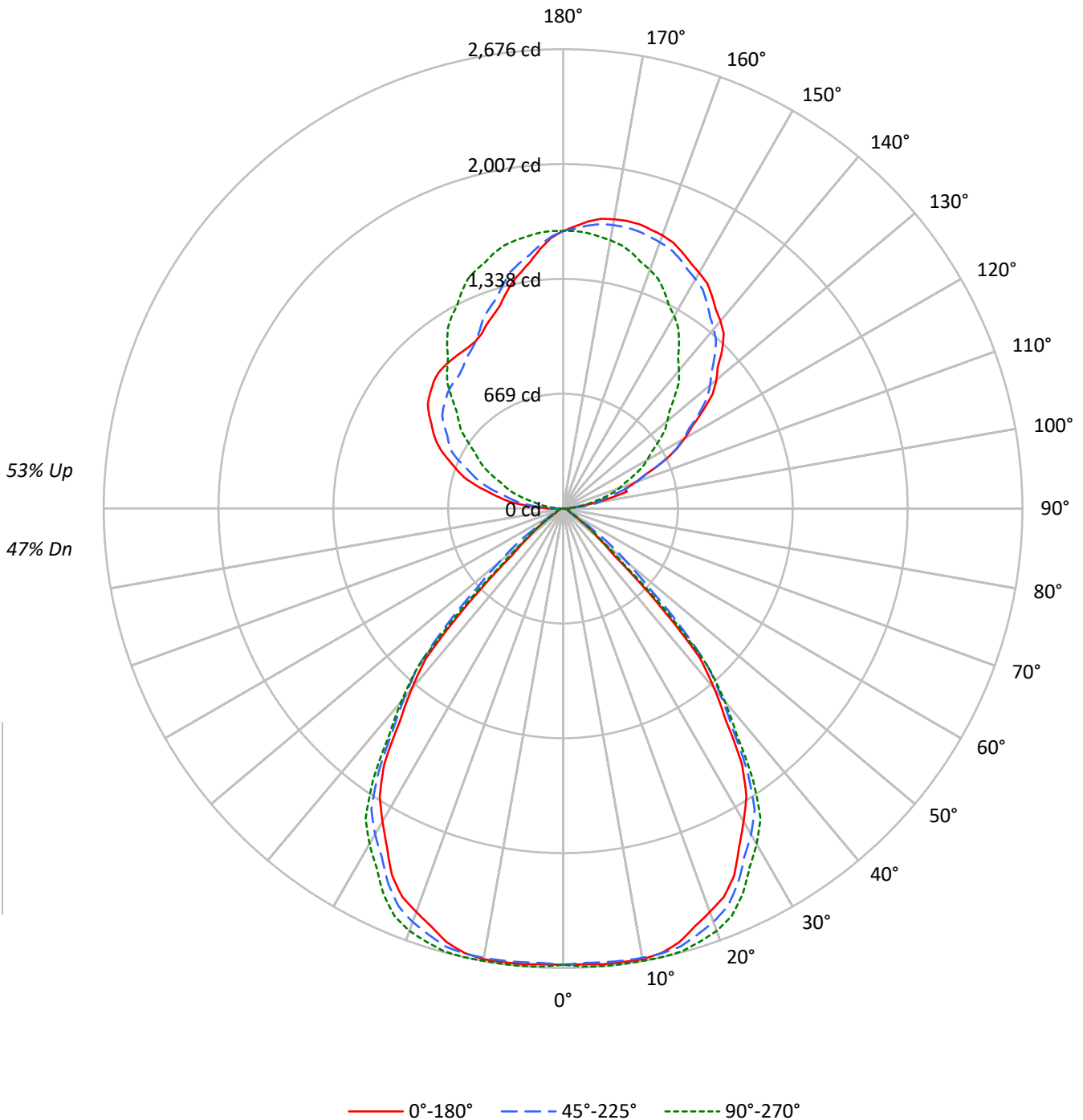
Lumens per Lamp: N/A
Luminaire Lumens: 8919.5 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.24 / 1.18
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.1
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



TEST NUMBER: P709391
CATALOG NUMBER: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709391

CATALOG NUMBER: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47		
1	99	95	92	89	91	88	85	83	74	72	70	61	60	59	50	49	48	43		
2	91	85	80	76	84	79	74	71	67	64	61	56	54	52	46	45	43	39		
3	85	76	70	65	78	71	66	61	61	57	54	51	49	46	42	41	39	35		
4	78	69	62	57	72	64	58	54	55	51	47	47	44	41	39	37	35	32		
5	73	62	55	50	67	58	52	47	50	46	42	43	40	37	36	34	32	29		
6	67	57	49	44	62	53	47	42	46	41	38	40	36	33	34	31	29	26		
7	63	52	45	40	58	49	42	38	42	37	34	37	33	30	31	29	27	24		
8	59	47	40	36	54	45	38	34	39	34	31	34	30	27	29	26	24	22		
9	55	44	37	32	51	41	35	31	36	31	28	31	28	25	27	24	22	20		
10	51	40	34	29	48	38	32	28	33	29	25	29	26	23	25	23	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42899	42899	42899	42899	42899
5°	43188	42996	43358	42996	43188
10°	43702	43562	43860	43562	43702
15°	43721	44157	44637	44157	43721
20°	42959	44033	44974	44033	42959
25°	42006	42942	44113	42942	42006
30°	39209	40834	42041	40834	39209
35°	35784	36941	38041	36941	35784
40°	28922	30290	30888	30290	28922
45°	17785	21892	19783	21892	17785
50°	6980	12152	7754	12152	6980
55°	3654	5534	3654	5534	3654
60°	1582	2719	1741	2719	1582
65°	1471	1641	1578	1641	1471
70°	1407	1548	1496	1548	1407
75°	1379	1500	1497	1500	1379
80°	1339	1441	1432	1441	1339
85°	1241	1260	1241	1260	1241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 22112 cd/sqm

TEST NUMBER: P709391

CATALOG NUMBER: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.5	2.9
10°-20°	745.9	8.4
20°-30°	1107.0	12.4
30°-40°	1149.8	12.9
40°-50°	691.9	7.8
50°-60°	165.7	1.9
60°-70°	44.9	0.5
70°-80°	25.2	0.3
80°-90°	14.6	0.2
90°-100°	128.3	1.4
100°-110°	374.6	4.2
110°-120°	611.8	6.9
120°-130°	777.1	8.7
130°-140°	831.5	9.3
140°-150°	776.5	8.7
150°-160°	639.0	7.2
160°-170°	428.7	4.8
170°-180°	152.2	1.7
0°-30°	2107.4	23.6
0°-40°	3257.3	36.5
0°-60°	4114.9	46.1
0°-90°	4199.7	47.1
90°-120°	1114.8	12.5
90°-150°	3499.9	39.2
90°-180°	4720.0	52.9
0°-180°	8919.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2657	2657	2657	2657	2657	
5°	2665	2653	2675	2653	2665	254
15°	2616	2642	2670	2642	2616	735
25°	2358	2410	2476	2410	2358	1074
35°	1816	1874	1930	1874	1816	1106
45°	779	959	866	959	779	603
55°	130	197	130	197	130	127
65°	38	43	41	43	38	39
75°	22	24	24	24	22	23
85°	7	7	7	7	7	8
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	

TEST NUMBER: P709391

CATALOG NUMBER: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0
2.5°	2657.0	2661.1	2665.2	2659.0	2649.5	2648.9	2657.5	2664.6	2667.3	2670.1	2667.3
5°	2664.7	2669.4	2674.1	2665.9	2653.6	2652.1	2661.5	2669.3	2672.3	2675.2	2672.3
7.5°	2664.1	2669.3	2674.5	2667.6	2656.7	2656.8	2668.0	2676.4	2676.2	2676.0	2676.2
10°	2665.6	2669.5	2673.3	2666.6	2656.3	2657.8	2671.1	2680.4	2677.8	2675.2	2677.8
12.5°	2651.8	2657.7	2663.6	2659.4	2651.9	2656.5	2673.1	2684.6	2680.3	2676.0	2680.3
15°	2615.6	2624.2	2632.7	2635.2	2635.6	2647.8	2671.7	2687.5	2679.0	2670.4	2679.0
17.5°	2552.5	2562.6	2572.7	2582.5	2592.1	2613.2	2645.6	2667.2	2656.6	2646.0	2656.6
20°	2500.2	2511.3	2522.5	2535.8	2549.9	2575.6	2612.7	2638.1	2627.8	2617.5	2627.8
22.5°	2447.9	2456.0	2464.0	2477.3	2492.5	2520.5	2561.5	2589.5	2578.9	2568.3	2578.9
25°	2357.9	2364.3	2370.7	2382.9	2397.0	2423.9	2463.7	2491.6	2483.9	2476.2	2483.9
27.5°	2221.5	2232.5	2243.4	2258.4	2274.7	2300.2	2334.7	2360.0	2357.5	2355.0	2357.5
30°	2103.1	2121.9	2140.7	2159.2	2177.5	2203.0	2235.5	2259.3	2257.1	2255.0	2257.1
32.5°	1987.7	2007.2	2026.7	2046.6	2066.7	2089.0	2113.7	2133.0	2136.7	2140.4	2136.7
35°	1815.5	1825.0	1834.4	1849.2	1865.9	1882.5	1899.2	1913.7	1921.9	1930.0	1921.9
37.5°	1560.7	1572.0	1583.3	1601.1	1621.1	1637.2	1649.4	1659.1	1661.2	1663.2	1661.2
40°	1372.2	1385.9	1399.6	1413.9	1428.4	1445.8	1465.8	1479.2	1472.4	1465.5	1472.4
42.5°	1179.1	1190.8	1202.4	1220.8	1241.5	1260.7	1278.4	1287.5	1270.7	1254.0	1270.7
45°	778.9	841.3	903.7	933.7	953.0	964.5	968.4	959.6	913.0	866.4	913.0
47.5°	399.5	463.3	527.2	591.5	656.1	671.7	638.6	599.1	540.4	481.8	540.4
50°	277.9	299.7	321.5	390.7	475.8	491.8	438.8	389.0	348.9	308.7	348.9
52.5°	204.8	216.7	228.6	282.0	349.3	356.9	305.0	260.5	238.4	216.4	238.4
55°	129.8	134.9	140.1	164.8	196.0	197.2	168.6	145.2	137.5	129.8	137.5
57.5°	76.7	84.9	93.0	103.4	114.6	114.6	103.5	93.3	85.9	78.5	85.9
60°	49.0	55.5	61.9	72.1	83.7	84.7	75.3	66.7	60.3	53.9	60.3
62.5°	44.4	46.7	49.0	56.2	65.0	65.6	57.9	51.5	49.2	46.9	49.2
65°	38.5	39.7	41.0	42.0	42.8	43.1	42.6	42.2	41.8	41.3	41.8
67.5°	33.7	34.6	35.5	36.0	36.4	36.8	37.2	37.3	36.4	35.6	36.4
70°	29.8	31.1	32.4	32.7	32.7	32.9	33.3	33.4	32.6	31.7	32.6
72.5°	26.7	27.7	28.6	29.1	29.4	29.8	30.3	30.4	29.5	28.7	29.5
75°	22.1	22.5	23.0	23.4	23.8	24.3	24.7	24.9	24.5	24.0	24.5
77.5°	17.5	17.9	18.4	18.7	19.1	19.3	19.4	19.3	18.9	18.5	18.9
80°	14.4	14.9	15.3	15.4	15.4	15.6	16.0	16.2	15.8	15.4	15.8
82.5°	11.3	11.4	11.5	11.8	12.1	12.4	12.4	12.5	12.4	12.3	12.4
85°	6.7	6.7	6.7	6.7	6.7	6.9	7.4	7.6	7.2	6.7	7.2
87.5°	9.2	9.2	9.0	9.0	8.5	8.5	7.9	6.3	4.8	3.5	4.6
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

TEST NUMBER: P709391

CATALOG NUMBER: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

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

TEST NUMBER: P709391

CATALOG NUMBER: DL2W-WB-M-125U-100D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0	2657.0
2.5°	2664.6	2657.5	2648.9	2649.5	2659.0	2665.2	2661.1	2657.0
5°	2669.3	2661.5	2652.1	2653.6	2665.9	2674.1	2669.4	2664.7
7.5°	2676.4	2668.0	2656.8	2656.7	2667.6	2674.5	2669.3	2664.1
10°	2680.4	2671.1	2657.8	2656.3	2666.6	2673.3	2669.5	2665.6
12.5°	2684.6	2673.1	2656.5	2651.9	2659.4	2663.6	2657.7	2651.8
15°	2687.5	2671.7	2647.8	2635.6	2635.2	2632.7	2624.2	2615.6
17.5°	2667.2	2645.6	2613.2	2592.1	2582.5	2572.7	2562.6	2552.5
20°	2638.1	2612.7	2575.6	2549.9	2535.8	2522.5	2511.3	2500.2
22.5°	2589.5	2561.5	2520.5	2492.5	2477.3	2464.0	2456.0	2447.9
25°	2491.6	2463.7	2423.9	2397.0	2382.9	2370.7	2364.3	2357.9
27.5°	2360.0	2334.7	2300.2	2274.7	2258.4	2243.4	2232.5	2221.5
30°	2259.3	2235.5	2203.0	2177.5	2159.2	2140.7	2121.9	2103.1
32.5°	2133.0	2113.7	2089.0	2066.7	2046.6	2026.7	2007.2	1987.7
35°	1913.7	1899.2	1882.5	1865.9	1849.2	1834.4	1825.0	1815.5
37.5°	1659.1	1649.4	1637.2	1621.1	1601.1	1583.3	1572.0	1560.7
40°	1479.2	1465.8	1445.8	1428.4	1413.9	1399.6	1385.9	1372.2
42.5°	1287.5	1278.4	1260.7	1241.5	1220.8	1202.4	1190.8	1179.1
45°	959.6	968.4	964.5	953.0	933.7	903.7	841.3	778.9
47.5°	599.1	638.6	671.7	656.1	591.5	527.2	463.3	399.5
50°	389.0	438.8	491.8	475.8	390.7	321.5	299.7	277.9
52.5°	260.5	305.0	356.9	349.3	282.0	228.6	216.7	204.8
55°	145.2	168.6	197.2	196.0	164.8	140.1	134.9	129.8
57.5°	93.3	103.5	114.6	114.6	103.4	93.0	84.9	76.7
60°	66.7	75.3	84.7	83.7	72.1	61.9	55.5	49.0
62.5°	51.5	57.9	65.6	65.0	56.2	49.0	46.7	44.4
65°	42.2	42.6	43.1	42.8	42.0	41.0	39.7	38.5
67.5°	37.3	37.2	36.8	36.4	36.0	35.5	34.6	33.7
70°	33.4	33.3	32.9	32.7	32.7	32.4	31.1	29.8
72.5°	30.4	30.3	29.8	29.4	29.1	28.6	27.7	26.7
75°	24.9	24.7	24.3	23.8	23.4	23.0	22.5	22.1
77.5°	19.3	19.4	19.3	19.1	18.7	18.4	17.9	17.5
80°	16.2	16.0	15.6	15.4	15.4	15.3	14.9	14.4
82.5°	12.5	12.4	12.4	12.1	11.8	11.5	11.4	11.3
85°	7.6	7.4	6.9	6.7	6.7	6.7	6.7	6.7
87.5°	6.0	7.9	10.0	12.3	14.4	15.6	16.9	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: P709391

CATALOG NUMBER: DL2W-WB-M-125U-100D-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)