

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: P709395

Luminaire Tested: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709395
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-935-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: 10353.2 lumens
Efficiency: N/A
Efficacy: 110.5 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

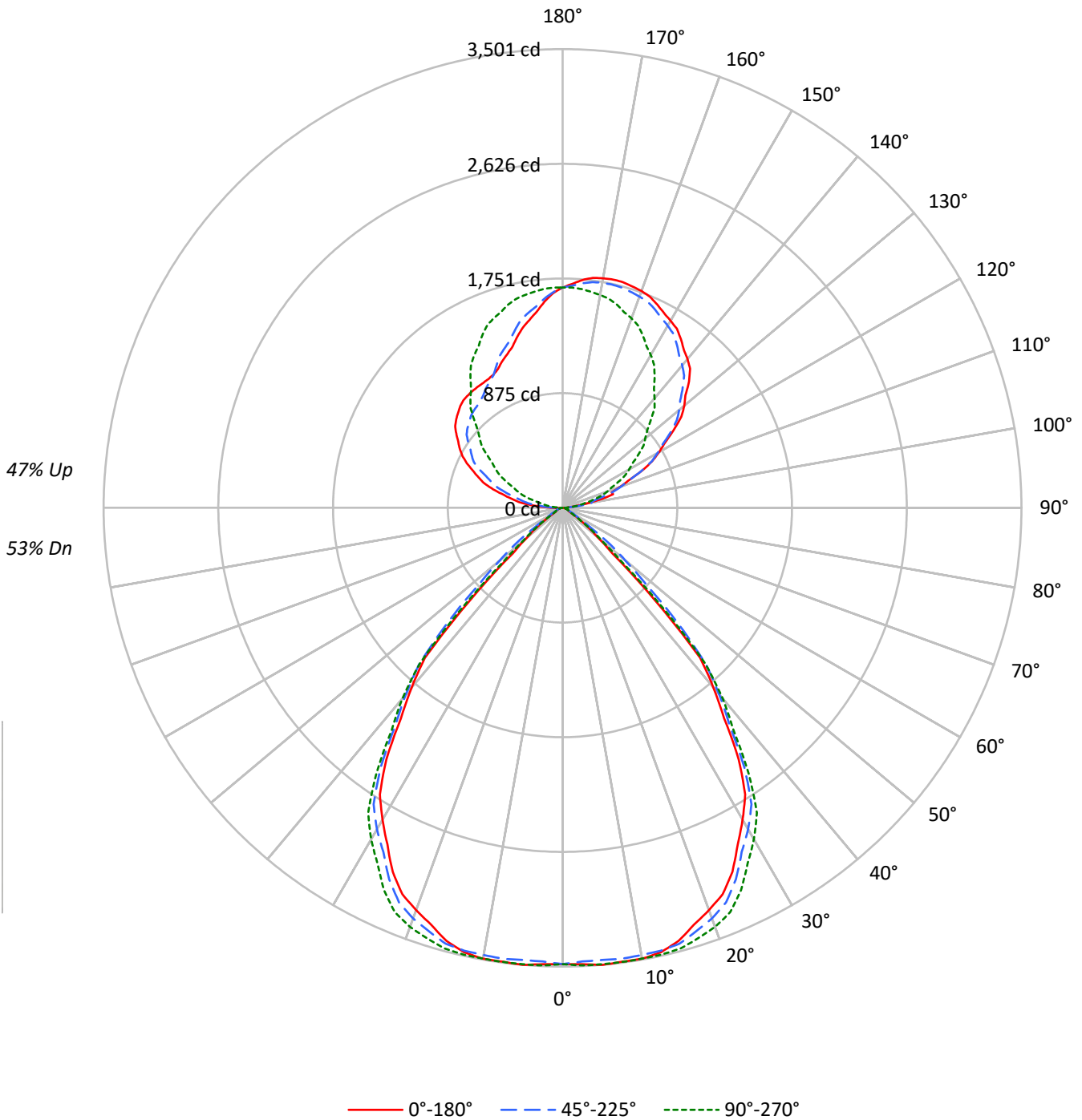
Input Watts (W): 93.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709395

CATALOG NUMBER: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

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°	56225	56225	56225	56225	56225
5°	56747	56131	56666	56131	56747
10°	57289	56814	57272	56814	57289
15°	57190	57561	58191	57561	57190
20°	56127	57286	58477	57286	56127
25°	54619	55726	57377	55726	54619
30°	51220	52799	54441	52799	51220
35°	46180	47671	48817	47671	46180
40°	37761	39190	40078	39190	37761
45°	22735	28303	25060	28303	22735
50°	8854	15723	9909	15723	8854
55°	4752	7125	4808	7125	4752
60°	2063	3523	2257	3523	2063
65°	1945	2153	2021	2153	1945
70°	1836	2028	1978	2028	1836
75°	1747	1937	1934	1937	1747
80°	1674	1869	1860	1869	1674
85°	1667	1686	1667	1686	1667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 28503 cd/sqm

TEST NUMBER: P709395

CATALOG NUMBER: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	3.2
10°-20°	972.6	9.4
20°-30°	1437.8	13.9
30°-40°	1485.7	14.4
40°-50°	893.9	8.6
50°-60°	214.6	2.1
60°-70°	58.7	0.6
70°-80°	32.7	0.3
80°-90°	17.3	0.2
90°-100°	133.4	1.3
100°-110°	389.5	3.8
110°-120°	636.1	6.1
120°-130°	808.0	7.8
130°-140°	864.6	8.4
140°-150°	807.3	7.8
150°-160°	664.4	6.4
160°-170°	445.7	4.3
170°-180°	158.2	1.5
0°-30°	2743.1	26.5
0°-40°	4228.8	40.8
0°-60°	5337.4	51.6
0°-90°	5446.0	52.6
90°-120°	1159.1	11.2
90°-150°	3638.9	35.1
90°-180°	4907.0	47.4
0°-180°	10353.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3482	3482	3482	3482	3482	
5°	3501	3463	3496	3463	3501	334
15°	3421	3444	3481	3444	3421	961
25°	3066	3128	3221	3128	3066	1400
35°	2343	2419	2477	2419	2343	1437
45°	996	1240	1098	1240	996	783
55°	169	253	171	253	169	164
65°	51	56	53	56	51	50
75°	28	31	31	31	28	30
85°	9	9	9	9	9	10
90°	36	32	6	46	80	17
95°	39	49	52	172	238	66
105°	400	296	248	446	548	371
115°	664	659	471	704	805	651
125°	1034	1006	703	880	990	924
135°	1364	1296	954	989	1102	1047
145°	1573	1520	1225	1052	1128	984
155°	1711	1670	1451	1194	1167	789
165°	1783	1741	1605	1403	1345	503
175°	1746	1720	1676	1602	1579	168
180°	1681	1681	1681	1681	1681	

TEST NUMBER: P709395

CATALOG NUMBER: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3
2.5°	3485.5	3488.0	3490.5	3480.5	3466.3	3465.2	3477.3	3487.3	3491.2	3495.1	3491.2
5°	3501.3	3502.2	3503.1	3487.0	3465.2	3461.3	3475.0	3486.5	3491.4	3496.3	3491.4
7.5°	3493.5	3497.0	3500.4	3488.7	3471.9	3469.4	3481.1	3490.6	3493.1	3495.7	3493.1
10°	3494.3	3495.6	3497.0	3483.7	3465.5	3465.2	3483.0	3496.0	3494.6	3493.3	3494.6
12.5°	3473.5	3477.0	3480.5	3471.7	3458.8	3464.1	3487.5	3503.6	3497.7	3491.7	3497.7
15°	3421.4	3428.1	3434.7	3436.1	3435.6	3451.6	3484.0	3505.3	3493.3	3481.3	3493.3
17.5°	3335.3	3343.8	3352.2	3363.4	3375.6	3402.7	3444.7	3472.5	3457.9	3443.4	3457.9
20°	3266.6	3275.1	3283.5	3299.2	3317.4	3350.7	3399.1	3431.8	3417.6	3403.4	3417.6
22.5°	3192.3	3199.3	3206.3	3222.0	3240.6	3276.7	3330.4	3367.4	3354.3	3341.1	3354.3
25°	3065.9	3069.9	3073.9	3089.5	3109.1	3147.0	3203.4	3242.9	3231.8	3220.7	3231.8
27.5°	2894.3	2901.2	2908.0	2924.0	2943.1	2978.5	3030.1	3067.7	3063.0	3058.3	3063.0
30°	2747.3	2760.2	2773.1	2793.3	2815.9	2848.1	2889.8	2921.0	2920.5	2920.1	2920.5
32.5°	2593.1	2609.2	2625.3	2646.3	2668.9	2696.3	2728.4	2753.3	2756.4	2759.5	2756.4
35°	2342.9	2355.7	2368.6	2387.1	2407.6	2429.5	2453.0	2471.4	2474.0	2476.7	2474.0
37.5°	2024.1	2037.0	2050.0	2066.4	2084.0	2104.0	2126.5	2143.4	2143.9	2144.3	2143.9
40°	1791.6	1799.6	1807.6	1826.2	1848.4	1870.4	1892.1	1907.7	1904.6	1901.5	1904.6
42.5°	1553.5	1558.7	1563.8	1583.3	1607.7	1629.3	1648.2	1656.6	1633.6	1610.6	1633.6
45°	995.7	1078.7	1161.7	1203.7	1232.1	1247.0	1248.3	1232.5	1165.0	1097.5	1165.0
47.5°	515.5	596.8	678.1	764.6	852.9	873.6	826.7	773.3	700.5	627.8	700.5
50°	352.5	384.5	416.4	506.3	615.5	636.4	568.9	504.5	449.5	394.5	449.5
52.5°	263.0	278.7	294.3	364.1	452.0	461.5	392.6	334.2	307.2	280.2	307.2
55°	168.8	175.4	182.1	213.0	252.1	254.1	219.0	190.3	180.5	170.8	180.5
57.5°	103.9	112.6	121.3	134.8	149.8	150.0	135.2	121.7	112.6	103.5	112.6
60°	63.9	71.9	79.9	93.2	108.3	109.9	97.9	86.8	78.3	69.9	78.3
62.5°	57.5	60.5	63.6	73.2	85.1	86.2	76.3	68.1	65.0	61.9	65.0
65°	50.9	51.8	52.7	54.3	56.0	56.7	56.3	55.6	54.3	52.9	54.3
67.5°	43.7	45.1	46.4	47.1	47.5	48.0	48.4	48.5	47.6	46.7	47.6
70°	38.9	40.3	41.6	42.3	42.7	43.2	43.6	43.7	42.8	41.9	42.8
72.5°	35.0	35.9	36.9	37.5	37.9	38.4	38.8	38.9	38.0	37.2	38.0
75°	28.0	28.9	29.7	30.3	30.7	31.4	32.3	32.7	31.8	31.0	31.8
77.5°	22.0	22.9	23.7	24.2	24.6	25.0	25.4	25.6	24.8	24.0	24.8
80°	18.0	18.9	19.8	20.0	20.0	20.2	20.6	20.9	20.4	20.0	20.4
82.5°	14.0	14.5	15.0	15.2	15.2	15.4	15.8	16.2	16.1	16.0	16.1
85°	9.0	9.0	9.0	9.0	9.0	9.2	9.7	9.9	9.4	9.0	9.4
87.5°	9.6	10.0	10.1	10.2	9.6	9.6	9.0	7.4	5.8	4.4	5.6
90°	36.0	36.0	35.0	35.0	32.0	32.0	29.0	21.0	13.0	6.0	12.0
92.5°	43.2	43.2	42.2	41.4	39.2	36.0	29.8	29.8	28.2	18.0	32.8
95°	39.0	39.0	38.0	39.0	43.0	55.0	80.0	88.0	60.0	52.0	75.0
97.5°	91.2	94.0	103.6	121.2	152.6	158.2	150.4	112.0	108.6	104.6	137.2
100°	180.0	186.0	198.0	214.0	251.0	199.0	156.0	156.0	147.0	143.0	178.0
102.5°	289.6	292.4	305.2	306.8	245.4	217.4	206.4	202.4	185.4	183.0	224.4
105°	400.0	379.0	333.0	299.0	296.0	296.0	295.0	277.0	253.0	248.0	291.0
107.5°	392.4	387.0	389.6	393.2	397.8	401.4	391.0	361.2	321.8	315.8	356.8
110°	466.0	459.0	464.0	470.0	473.0	475.0	455.0	414.0	373.0	363.0	400.0

TEST NUMBER: P709395

CATALOG NUMBER: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	541.2	538.2	538.4	546.8	546.6	546.2	520.6	470.8	421.8	405.4	440.8
115°	664.0	659.0	651.0	661.0	663.0	655.0	620.0	562.0	501.0	471.0	505.0
117.5°	770.0	768.4	770.8	774.8	772.0	759.6	714.6	649.0	581.4	540.6	564.6
120°	850.0	846.0	850.0	854.0	848.0	826.0	781.0	713.0	635.0	587.0	603.0
122.5°	926.8	926.0	925.2	920.4	920.8	895.6	843.4	772.2	691.8	633.4	639.0
125°	1034.0	1038.0	1033.0	1027.0	1020.0	992.0	937.0	864.0	773.0	703.0	696.0
127.5°	1142.4	1143.0	1133.2	1127.4	1115.4	1083.0	1027.4	955.6	857.2	777.6	752.6
130°	1212.0	1211.0	1202.0	1193.0	1177.0	1147.0	1089.0	1014.0	918.0	824.0	791.0
132.5°	1271.2	1272.6	1262.0	1254.6	1234.6	1203.0	1149.8	1075.6	973.2	875.2	832.6
135°	1364.0	1366.0	1353.0	1336.0	1313.0	1280.0	1235.0	1164.0	1062.0	954.0	898.0
137.5°	1439.8	1438.4	1425.6	1410.2	1389.8	1354.4	1313.0	1242.8	1147.0	1039.2	960.6
140°	1483.0	1484.0	1472.0	1455.0	1437.0	1404.0	1361.0	1294.0	1199.0	1092.0	1011.0
142.5°	1519.8	1521.6	1512.8	1498.2	1477.0	1448.0	1409.8	1344.4	1251.0	1144.8	1057.4
145°	1573.0	1577.0	1569.0	1556.0	1536.0	1505.0	1473.0	1409.0	1323.0	1225.0	1130.0
147.5°	1621.6	1623.8	1617.4	1608.6	1588.2	1558.6	1529.0	1470.0	1389.2	1298.2	1201.8
150°	1648.0	1655.0	1647.0	1639.0	1621.0	1589.0	1565.0	1506.0	1434.0	1347.0	1253.0
152.5°	1676.0	1682.2	1674.2	1665.4	1647.4	1617.0	1594.6	1536.4	1470.0	1388.6	1301.8
155°	1711.0	1719.0	1713.0	1703.0	1685.0	1656.0	1634.0	1581.0	1521.0	1451.0	1370.0
157.5°	1743.4	1749.2	1744.0	1734.8	1712.6	1689.0	1666.0	1620.4	1566.4	1505.4	1434.8
160°	1761.0	1766.0	1760.0	1750.0	1727.0	1705.0	1686.0	1642.0	1592.0	1539.0	1474.0
162.5°	1771.4	1778.8	1772.8	1762.0	1739.0	1719.4	1701.2	1660.4	1615.2	1565.4	1509.2
165°	1783.0	1792.0	1785.0	1774.0	1749.0	1733.0	1719.0	1683.0	1644.0	1605.0	1557.0
167.5°	1784.6	1792.8	1786.4	1777.2	1752.4	1738.8	1727.8	1697.8	1664.8	1634.0	1594.2
170°	1779.0	1788.0	1784.0	1774.0	1750.0	1738.0	1731.0	1705.0	1676.0	1650.0	1619.0
172.5°	1770.2	1778.4	1773.6	1766.0	1742.0	1733.2	1728.6	1706.6	1683.2	1662.8	1639.0
175°	1746.0	1755.0	1750.0	1745.0	1723.0	1718.0	1719.0	1706.0	1690.0	1676.0	1661.0
177.5°	1711.4	1717.8	1713.8	1711.4	1697.8	1697.0	1701.8	1695.4	1688.2	1682.6	1676.2
180°	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0

TEST NUMBER: P709395

CATALOG NUMBER: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3
2.5°	3487.3	3477.3	3465.2	3466.3	3480.5	3490.5	3488.0	3485.5
5°	3486.5	3475.0	3461.3	3465.2	3487.0	3503.1	3502.2	3501.3
7.5°	3490.6	3481.1	3469.4	3471.9	3488.7	3500.4	3497.0	3493.5
10°	3496.0	3483.0	3465.2	3465.5	3483.7	3497.0	3495.6	3494.3
12.5°	3503.6	3487.5	3464.1	3458.8	3471.7	3480.5	3477.0	3473.5
15°	3505.3	3484.0	3451.6	3435.6	3436.1	3434.7	3428.1	3421.4
17.5°	3472.5	3444.7	3402.7	3375.6	3363.4	3352.2	3343.8	3335.3
20°	3431.8	3399.1	3350.7	3317.4	3299.2	3283.5	3275.1	3266.6
22.5°	3367.4	3330.4	3276.7	3240.6	3222.0	3206.3	3199.3	3192.3
25°	3242.9	3203.4	3147.0	3109.1	3089.5	3073.9	3069.9	3065.9
27.5°	3067.7	3030.1	2978.5	2943.1	2924.0	2908.0	2901.2	2894.3
30°	2921.0	2889.8	2848.1	2815.9	2793.3	2773.1	2760.2	2747.3
32.5°	2753.3	2728.4	2696.3	2668.9	2646.3	2625.3	2609.2	2593.1
35°	2471.4	2453.0	2429.5	2407.6	2387.1	2368.6	2355.7	2342.9
37.5°	2143.4	2126.5	2104.0	2084.0	2066.4	2050.0	2037.0	2024.1
40°	1907.7	1892.1	1870.4	1848.4	1826.2	1807.6	1799.6	1791.6
42.5°	1656.6	1648.2	1629.3	1607.7	1583.3	1563.8	1558.7	1553.5
45°	1232.5	1248.3	1247.0	1232.1	1203.7	1161.7	1078.7	995.7
47.5°	773.3	826.7	873.6	852.9	764.6	678.1	596.8	515.5
50°	504.5	568.9	636.4	615.5	506.3	416.4	384.5	352.5
52.5°	334.2	392.6	461.5	452.0	364.1	294.3	278.7	263.0
55°	190.3	219.0	254.1	252.1	213.0	182.1	175.4	168.8
57.5°	121.7	135.2	150.0	149.8	134.8	121.3	112.6	103.9
60°	86.8	97.9	109.9	108.3	93.2	79.9	71.9	63.9
62.5°	68.1	76.3	86.2	85.1	73.2	63.6	60.5	57.5
65°	55.6	56.3	56.7	56.0	54.3	52.7	51.8	50.9
67.5°	48.5	48.4	48.0	47.5	47.1	46.4	45.1	43.7
70°	43.7	43.6	43.2	42.7	42.3	41.6	40.3	38.9
72.5°	38.9	38.8	38.4	37.9	37.5	36.9	35.9	35.0
75°	32.7	32.3	31.4	30.7	30.3	29.7	28.9	28.0
77.5°	25.6	25.4	25.0	24.6	24.2	23.7	22.9	22.0
80°	20.9	20.6	20.2	20.0	20.0	19.8	18.9	18.0
82.5°	16.2	15.8	15.4	15.2	15.2	15.0	14.5	14.0
85°	9.9	9.7	9.2	9.0	9.0	9.0	9.0	9.0
87.5°	7.0	9.0	11.2	13.6	15.8	16.9	18.0	18.4
90°	19.0	29.0	40.0	52.0	63.0	69.0	76.0	80.0
92.5°	46.2	61.8	80.8	99.2	115.0	124.2	130.4	132.0
95°	109.0	131.0	157.0	187.0	204.0	222.0	235.0	238.0
97.5°	168.2	207.6	243.8	270.6	297.4	317.0	329.4	333.4
100°	213.0	254.0	299.0	329.0	359.0	377.0	395.0	391.0
102.5°	264.2	302.8	348.6	384.2	419.8	441.8	455.0	461.4
105°	338.0	383.0	422.0	469.0	499.0	525.0	544.0	548.0
107.5°	407.2	458.8	498.0	542.6	578.4	601.4	621.0	627.6
110°	456.0	510.0	558.0	593.0	628.0	655.0	673.0	682.0

TEST NUMBER: P709395

CATALOG NUMBER: DL2W-WB-M-125U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	500.0	554.8	609.2	649.0	686.4	711.0	729.0	738.8
115°	563.0	622.0	675.0	734.0	766.0	787.0	800.0	805.0
117.5°	620.8	680.8	738.0	792.4	831.0	845.0	855.2	861.2
120°	656.0	716.0	774.0	826.0	867.0	889.0	900.0	906.0
122.5°	688.8	749.6	806.8	858.8	899.8	925.0	939.2	943.6
125°	738.0	799.0	856.0	903.0	944.0	972.0	988.0	990.0
127.5°	783.0	835.8	897.8	947.2	985.8	1011.8	1026.4	1032.4
130°	811.0	859.0	921.0	972.0	1009.0	1039.0	1052.0	1058.0
132.5°	839.8	880.6	938.6	992.0	1032.2	1059.0	1072.8	1078.8
135°	887.0	911.0	962.0	1016.0	1056.0	1083.0	1097.0	1102.0
137.5°	939.8	945.6	979.2	1029.8	1072.4	1098.6	1110.0	1116.4
140°	975.0	972.0	992.0	1037.0	1078.0	1105.0	1118.0	1122.0
142.5°	1012.6	1000.8	1010.4	1044.2	1082.0	1107.4	1121.2	1125.2
145°	1072.0	1048.0	1043.0	1062.0	1087.0	1111.0	1124.0	1128.0
147.5°	1137.0	1104.8	1081.6	1087.6	1100.4	1116.2	1128.4	1129.2
150°	1181.0	1144.0	1112.0	1110.0	1114.0	1125.0	1134.0	1134.0
152.5°	1228.2	1182.4	1145.6	1137.2	1134.0	1139.4	1145.2	1144.4
155°	1299.0	1249.0	1203.0	1184.0	1176.0	1170.0	1170.0	1167.0
157.5°	1367.4	1314.4	1266.6	1243.2	1227.6	1219.0	1213.8	1207.8
160°	1413.0	1360.0	1305.0	1284.0	1266.0	1255.0	1249.0	1243.0
162.5°	1453.8	1404.8	1353.0	1322.4	1306.8	1296.6	1289.8	1282.2
165°	1511.0	1468.0	1419.0	1387.0	1371.0	1358.0	1352.0	1345.0
167.5°	1560.4	1526.2	1484.6	1454.0	1442.6	1425.6	1420.8	1407.2
170°	1590.0	1563.0	1523.0	1498.0	1489.0	1476.0	1468.0	1456.0
172.5°	1615.6	1593.4	1561.4	1538.8	1537.8	1523.2	1516.8	1509.6
175°	1649.0	1635.0	1610.0	1593.0	1599.0	1592.0	1591.0	1579.0
177.5°	1670.6	1667.4	1651.4	1644.2	1649.0	1649.8	1649.8	1641.0
180°	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0	1681.0

(END OF REPORT)