

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: P709311

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

Issue Date: 3/5/2020

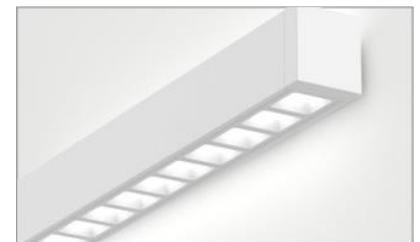
Test Information

Test Method: LM-79-2019
Report Number: P709311
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-5, G3-2104-222-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-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: 9896.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

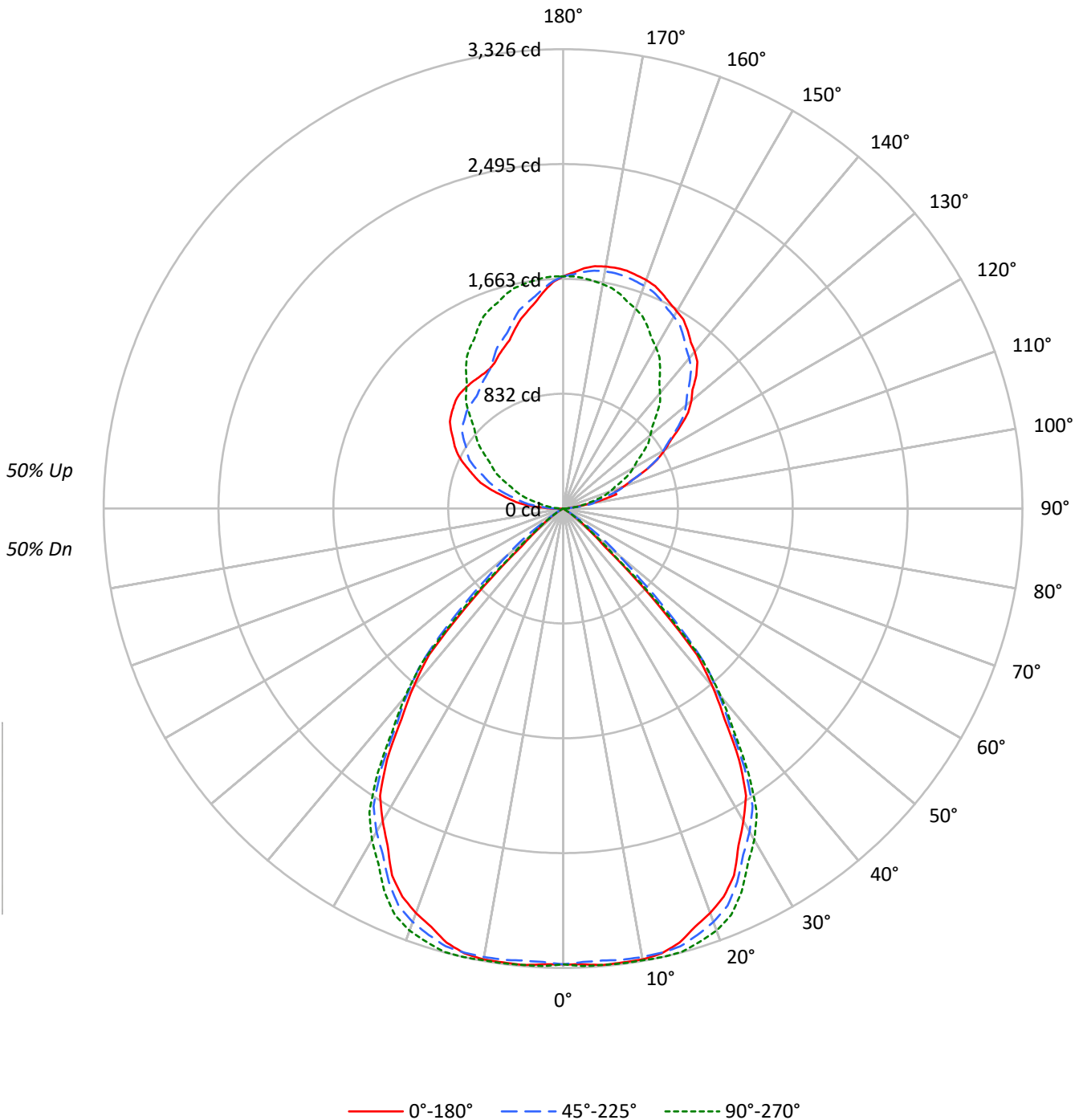
Input Watts (W): 93.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709311

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

Luminous Intensity Polar Plot



TEST NUMBER: P709311

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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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	84	84	84	69	69	69	57	57	57	50				
1	100	96	93	90	92	89	87	84	76	74	73	64	63	62	53	52	52	46				
2	93	87	81	77	86	81	76	73	69	66	64	59	57	55	49	48	47	42				
3	86	78	72	67	80	73	68	63	63	59	56	54	51	49	46	44	42	38				
4	80	71	64	59	74	66	60	56	58	53	50	50	46	44	42	40	38	35				
5	74	64	57	52	69	60	54	49	53	48	44	46	42	40	39	37	35	32				
6	69	58	51	46	64	55	49	44	48	43	40	42	39	36	36	34	32	29				
7	64	53	46	41	60	50	44	40	44	40	36	39	35	33	34	31	29	27				
8	60	49	42	37	56	46	40	36	41	36	33	36	32	30	31	29	27	24				
9	56	45	38	34	52	43	37	32	38	33	30	34	30	27	29	27	25	23				
10	53	42	35	31	49	39	34	30	35	31	27	31	28	25	27	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	53281	53281	53281	53281	53281
5°	53760	53238	53760	53238	53760
10°	54333	54043	54446	54043	54333
15°	54394	54846	55544	54846	54394
20°	53515	54714	55862	54714	53515
25°	52200	53155	54508	53155	52200
30°	48680	50351	51617	50351	48680
35°	43822	45125	46160	45125	43822
40°	35534	36997	37593	36997	35534
45°	20671	25866	22948	25866	20671
50°	6586	13350	7488	13350	6586
55°	2638	4649	2553	4649	2638
60°	65	1277	194	1277	65
65°	0	69	38	69	0
70°	0	42	0	42	0
75°	0	0	0	0	0
80°	0	0	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 26074 cd/sqm

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	3.2
10°-20°	927.4	9.4
20°-30°	1370.5	13.8
30°-40°	1408.5	14.2
40°-50°	813.5	8.2
50°-60°	140.7	1.4
60°-70°	5.3	0.1
70°-80°	0.1	0.0
80°-90°	9.0	0.1
90°-100°	133.4	1.3
100°-110°	389.5	3.9
110°-120°	636.1	6.4
120°-130°	808.0	8.2
130°-140°	864.6	8.7
140°-150°	807.3	8.2
150°-160°	664.4	6.7
160°-170°	445.7	4.5
170°-180°	158.2	1.6
0°-30°	2613.7	26.4
0°-40°	4022.2	40.6
0°-60°	4976.4	50.3
0°-90°	4990.8	50.4
90°-120°	1159.1	11.7
90°-150°	3638.9	36.8
90°-180°	4907.0	49.6
0°-180°	9896.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3300	3300	3300	3300	3300	
5°	3317	3285	3317	3285	3317	316
15°	3254	3281	3323	3281	3254	914
25°	2930	2984	3060	2984	2930	1333
35°	2223	2289	2342	2289	2223	1364
45°	905	1133	1005	1133	905	704
55°	94	165	91	165	94	95
65°	0	2	1	2	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	3
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: P709311

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0
2.5°	3302.4	3305.6	3308.8	3299.5	3286.0	3285.1	3296.8	3306.7	3310.9	3315.2	3310.9
5°	3317.0	3320.1	3323.2	3308.0	3286.7	3282.9	3296.7	3308.1	3312.5	3317.0	3312.5
7.5°	3314.0	3318.9	3323.9	3312.6	3295.8	3293.3	3305.1	3314.6	3317.4	3320.1	3317.4
10°	3314.0	3317.5	3321.1	3311.0	3296.3	3296.3	3311.0	3321.8	3321.4	3320.9	3321.4
12.5°	3298.8	3304.8	3310.9	3303.5	3291.7	3296.9	3318.9	3334.4	3330.1	3325.7	3330.1
15°	3254.1	3264.8	3275.4	3276.1	3273.4	3288.9	3322.6	3345.1	3334.0	3322.9	3334.0
17.5°	3175.2	3188.5	3201.8	3212.7	3222.9	3249.6	3292.9	3321.3	3305.4	3289.4	3305.4
20°	3114.6	3127.9	3141.2	3154.8	3168.5	3200.2	3249.8	3283.1	3267.1	3251.2	3267.1
22.5°	3041.2	3053.4	3065.6	3080.1	3095.2	3129.4	3182.6	3218.1	3200.7	3183.4	3200.7
25°	2930.1	2935.0	2939.9	2952.4	2967.5	3000.0	3050.1	3084.5	3072.1	3059.7	3072.1
27.5°	2749.9	2761.3	2772.7	2790.4	2810.2	2839.4	2878.0	2905.9	2901.5	2897.0	2901.5
30°	2611.1	2627.5	2643.9	2664.9	2687.5	2713.9	2744.0	2766.8	2767.7	2768.6	2767.7
32.5°	2465.9	2482.7	2499.4	2519.5	2540.7	2566.5	2597.0	2618.8	2614.3	2609.9	2614.3
35°	2223.3	2236.1	2249.0	2263.8	2279.3	2299.5	2324.3	2342.8	2342.3	2341.9	2342.3
37.5°	1922.0	1929.2	1936.5	1954.1	1975.2	1994.3	2011.4	2024.8	2027.0	2029.3	2027.0
40°	1685.9	1693.9	1701.8	1721.8	1745.7	1765.0	1779.6	1789.8	1786.7	1783.6	1786.7
42.5°	1435.5	1445.2	1454.9	1478.5	1506.7	1526.2	1536.9	1539.8	1519.3	1498.9	1519.3
45°	905.3	983.7	1062.1	1100.7	1125.9	1139.7	1141.9	1128.1	1066.5	1005.0	1066.5
47.5°	412.9	505.0	597.1	675.4	749.0	764.0	720.4	668.4	591.3	514.2	591.3
50°	262.2	288.3	314.5	407.1	521.9	541.1	464.9	395.6	346.8	298.1	346.8
52.5°	174.5	189.6	204.8	276.3	366.6	373.8	298.0	235.3	212.0	188.8	212.0
55°	93.7	98.1	102.6	129.9	164.9	165.4	131.3	104.0	97.4	90.7	97.4
57.5°	35.5	42.2	49.0	60.7	74.2	74.0	60.1	47.8	40.5	33.1	40.5
60°	2.0	7.3	12.6	24.6	38.8	40.3	29.2	19.3	12.6	6.0	12.6
62.5°	1.2	2.3	3.3	11.3	21.6	22.1	12.8	5.4	3.7	2.0	3.7
65°	0.0	0.4	0.9	1.3	1.8	1.8	1.3	1.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.3	0.8	1.0	1.0	0.9	0.4	0.0	0.4
70°	0.0	0.0	0.0	0.3	0.8	1.0	1.0	0.9	0.4	0.0	0.4
72.5°	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.1	0.0	0.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	7.2	7.0	7.0	6.4	6.4	5.8	4.2	2.6	1.2	2.4
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: P709311

CATALOG NUMBER: DL2W-BB-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: P709311

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0	3300.0
2.5°	3306.7	3296.8	3285.1	3286.0	3299.5	3308.8	3305.6	3302.4
5°	3308.1	3296.7	3282.9	3286.7	3308.0	3323.2	3320.1	3317.0
7.5°	3314.6	3305.1	3293.3	3295.8	3312.6	3323.9	3318.9	3314.0
10°	3321.8	3311.0	3296.3	3296.3	3311.0	3321.1	3317.5	3314.0
12.5°	3334.4	3318.9	3296.9	3291.7	3303.5	3310.9	3304.8	3298.8
15°	3345.1	3322.6	3288.9	3273.4	3276.1	3275.4	3264.8	3254.1
17.5°	3321.3	3292.9	3249.6	3222.9	3212.7	3201.8	3188.5	3175.2
20°	3283.1	3249.8	3200.2	3168.5	3154.8	3141.2	3127.9	3114.6
22.5°	3218.1	3182.6	3129.4	3095.2	3080.1	3065.6	3053.4	3041.2
25°	3084.5	3050.1	3000.0	2967.5	2952.4	2939.9	2935.0	2930.1
27.5°	2905.9	2878.0	2839.4	2810.2	2790.4	2772.7	2761.3	2749.9
30°	2766.8	2744.0	2713.9	2687.5	2664.9	2643.9	2627.5	2611.1
32.5°	2618.8	2597.0	2566.5	2540.7	2519.5	2499.4	2482.7	2465.9
35°	2342.8	2324.3	2299.5	2279.3	2263.8	2249.0	2236.1	2223.3
37.5°	2024.8	2011.4	1994.3	1975.2	1954.1	1936.5	1929.2	1922.0
40°	1789.8	1779.6	1765.0	1745.7	1721.8	1701.8	1693.9	1685.9
42.5°	1539.8	1536.9	1526.2	1506.7	1478.5	1454.9	1445.2	1435.5
45°	1128.1	1141.9	1139.7	1125.9	1100.7	1062.1	983.7	905.3
47.5°	668.4	720.4	764.0	749.0	675.4	597.1	505.0	412.9
50°	395.6	464.9	541.1	521.9	407.1	314.5	288.3	262.2
52.5°	235.3	298.0	373.8	366.6	276.3	204.8	189.6	174.5
55°	104.0	131.3	165.4	164.9	129.9	102.6	98.1	93.7
57.5°	47.8	60.1	74.0	74.2	60.7	49.0	42.2	35.5
60°	19.3	29.2	40.3	38.8	24.6	12.6	7.3	2.0
62.5°	5.4	12.8	22.1	21.6	11.3	3.3	2.3	1.2
65°	1.0	1.3	1.8	1.8	1.3	0.9	0.4	0.0
67.5°	0.9	1.0	1.0	0.8	0.3	0.0	0.0	0.0
70°	0.9	1.0	1.0	0.8	0.3	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	5.8	8.0	10.4	12.6	13.8	15.2	16.0
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: P709311

CATALOG NUMBER: DL2W-BB-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)