

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: P709323

Luminaire Tested: DL2W-BB-M-150U-125D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

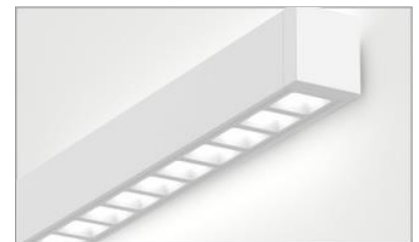
Test Information

Test Method: LM-79-2019
Report Number: P709323
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-6, 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-150U-125D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10819.7 lumens
Efficiency: N/A
Efficacy: 103.6 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

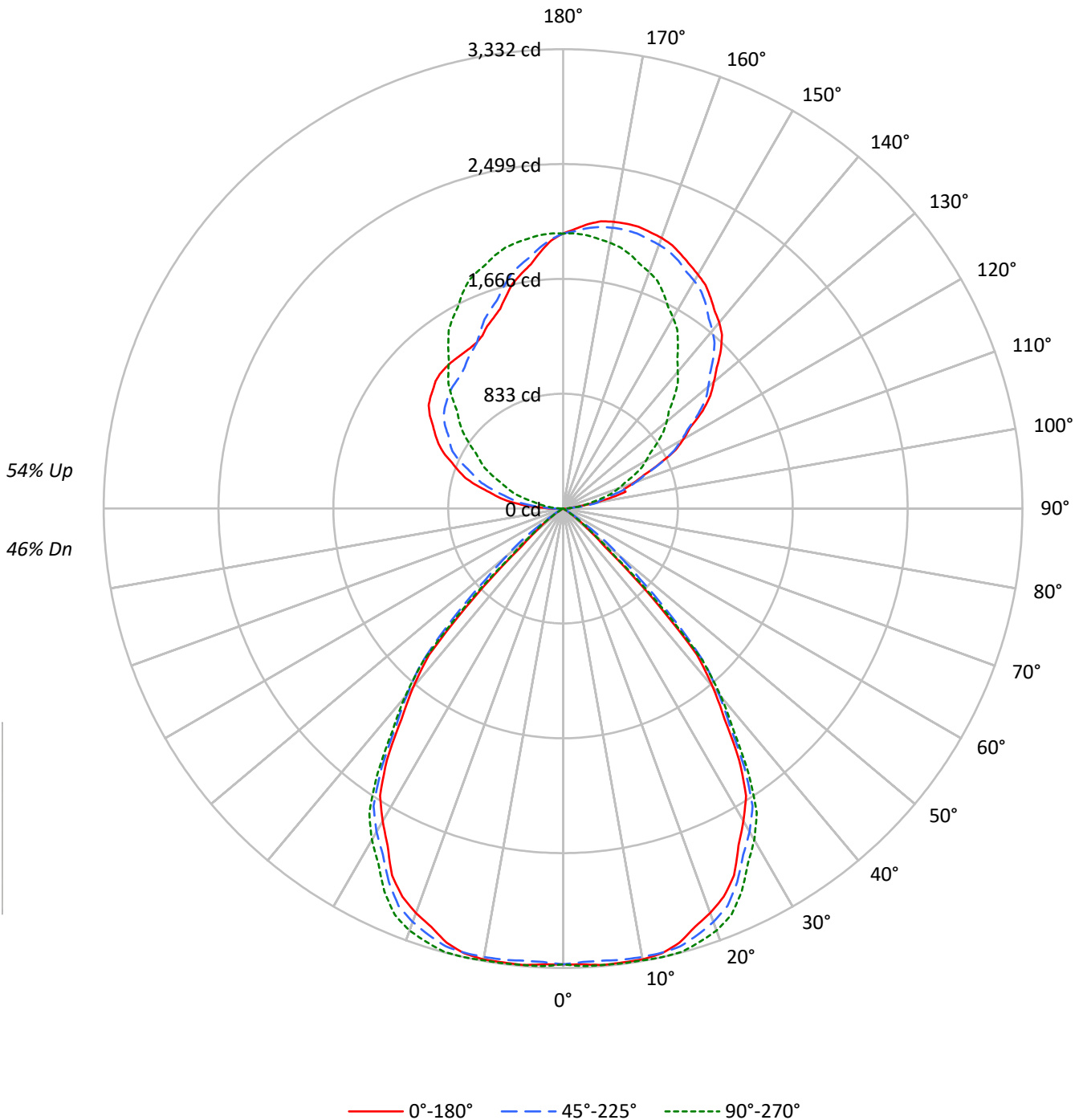
Input Watts (W): 104.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
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	81	81	81	66	66	66	53	53	53	46		
1	99	95	92	89	91	88	85	83	74	72	70	61	60	59	49	49	48	43		
2	91	85	80	76	84	79	75	71	67	64	61	56	54	52	46	44	43	39		
3	85	77	71	66	78	71	66	62	61	57	54	51	49	46	42	41	39	35		
4	79	69	63	57	72	65	59	54	55	51	48	47	44	42	39	37	36	32		
5	73	63	56	51	67	59	52	48	51	46	43	43	40	37	36	34	32	29		
6	68	57	50	45	63	53	47	43	46	42	38	40	36	34	34	31	29	27		
7	63	52	45	40	58	49	43	38	43	38	34	37	33	31	31	29	27	24		
8	59	48	41	36	55	45	39	34	39	35	31	34	31	28	29	27	25	22		
9	55	44	37	33	51	41	35	31	36	32	28	32	28	26	27	25	23	21		
10	52	41	34	30	48	38	32	28	34	29	26	29	26	23	25	23	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	53381	53381	53381	53381	53381
5°	53861	53339	53861	53339	53861
10°	54434	54144	54549	54144	54434
15°	54497	54949	55649	54949	54497
20°	53615	54817	55967	54817	53615
25°	52298	53255	54612	53255	52298
30°	48772	50446	51714	50446	48772
35°	43903	45210	46247	45210	43903
40°	35601	37067	37664	37067	35601
45°	20710	25914	22989	25914	20710
50°	6599	13376	7503	13376	6599
55°	2643	4659	2559	4659	2643
60°	65	1279	194	1279	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: 26122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	2.9
10°-20°	929.1	8.6
20°-30°	1373.1	12.7
30°-40°	1411.1	13.0
40°-50°	815.1	7.5
50°-60°	141.0	1.3
60°-70°	5.3	0.0
70°-80°	0.1	0.0
80°-90°	10.6	0.1
90°-100°	157.8	1.5
100°-110°	461.0	4.3
110°-120°	754.4	7.0
120°-130°	958.3	8.9
130°-140°	1025.8	9.5
140°-150°	958.0	8.9
150°-160°	788.4	7.3
160°-170°	528.8	4.9
170°-180°	187.7	1.7
0°-30°	2618.6	24.2
0°-40°	4029.8	37.2
0°-60°	4985.8	46.1
0°-90°	5001.7	46.2
90°-120°	1373.2	12.7
90°-150°	4315.3	39.9
90°-180°	5820.0	53.8
0°-180°	10819.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3306	3306	3306	3306	3306	
5°	3323	3291	3323	3291	3323	317
15°	3260	3287	3329	3287	3260	916
25°	2936	2989	3066	2989	2936	1336
35°	2227	2294	2346	2294	2227	1366
45°	907	1135	1007	1135	907	705
55°	94	166	91	166	94	96
65°	0	2	1	2	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	3
90°	42	38	7	54	88	20
95°	46	62	64	204	283	78
105°	470	351	297	526	649	436
115°	776	782	564	834	956	768
125°	1236	1196	836	1044	1180	1094
135°	1618	1540	1136	1173	1307	1241
145°	1866	1806	1452	1247	1337	1168
155°	2031	1982	1724	1418	1384	937
165°	2117	2066	1903	1664	1596	597
175°	2071	2042	1990	1903	1870	199
180°	1995	1995	1995	1995	1995	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2
2.5°	3308.6	3311.8	3315.0	3305.7	3292.2	3291.3	3303.0	3312.9	3317.1	3321.4	3317.1
5°	3323.2	3326.3	3329.4	3314.2	3292.9	3289.1	3302.9	3314.3	3318.8	3323.2	3318.8
7.5°	3320.2	3325.2	3330.1	3318.8	3302.0	3299.5	3311.3	3320.9	3323.6	3326.4	3323.6
10°	3320.2	3323.7	3327.3	3317.2	3302.5	3302.5	3317.2	3328.1	3327.6	3327.2	3327.6
12.5°	3305.0	3311.0	3317.1	3309.7	3297.9	3303.1	3325.2	3340.7	3336.3	3332.0	3336.3
15°	3260.3	3270.9	3281.6	3282.2	3279.6	3295.1	3328.9	3351.4	3340.3	3329.2	3340.3
17.5°	3181.2	3194.5	3207.8	3218.8	3229.0	3255.8	3299.1	3327.6	3311.6	3295.6	3311.6
20°	3120.4	3133.7	3147.1	3160.7	3174.5	3206.2	3255.9	3289.2	3273.2	3257.3	3273.2
22.5°	3046.9	3059.2	3071.4	3085.9	3101.0	3135.3	3188.5	3224.1	3206.7	3189.3	3206.7
25°	2935.6	2940.5	2945.4	2957.9	2973.0	3005.7	3055.8	3090.3	3077.9	3065.5	3077.9
27.5°	2755.0	2766.5	2777.9	2795.7	2815.5	2844.7	2883.4	2911.4	2906.9	2902.5	2906.9
30°	2616.0	2632.4	2648.9	2669.9	2692.6	2719.0	2749.2	2772.0	2772.9	2773.8	2772.9
32.5°	2470.6	2487.3	2504.1	2524.2	2545.5	2571.3	2601.9	2623.7	2619.2	2614.8	2619.2
35°	2227.4	2240.3	2253.2	2268.1	2283.6	2303.8	2328.7	2347.2	2346.8	2346.3	2346.8
37.5°	1925.6	1932.9	1940.2	1957.8	1979.0	1998.1	2015.2	2028.6	2030.9	2033.1	2030.9
40°	1689.1	1697.1	1705.0	1725.0	1749.0	1768.3	1783.0	1793.2	1790.1	1787.0	1790.1
42.5°	1438.2	1447.9	1457.7	1481.3	1509.5	1529.0	1539.8	1542.7	1522.2	1501.7	1522.2
45°	907.0	985.5	1064.1	1102.7	1128.0	1141.8	1144.0	1130.3	1068.6	1006.8	1068.6
47.5°	413.7	506.0	598.2	676.6	750.4	765.5	721.8	669.7	592.5	515.2	592.5
50°	262.7	288.9	315.1	407.9	522.8	542.2	465.8	396.3	347.5	298.7	347.5
52.5°	174.8	190.0	205.2	276.8	367.3	374.5	298.5	235.7	212.4	189.2	212.4
55°	93.9	98.3	102.8	130.2	165.3	165.7	131.5	104.2	97.6	90.9	97.6
57.5°	35.6	42.3	49.1	60.9	74.4	74.1	60.2	47.9	40.5	33.2	40.5
60°	2.0	7.3	12.7	24.6	38.8	40.4	29.3	19.3	12.7	6.0	12.7
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°	8.4	8.6	8.4	8.0	7.8	7.6	6.4	4.8	3.0	1.4	3.0
90°	42.0	43.0	42.0	40.0	39.0	38.0	32.0	24.0	15.0	7.0	15.0
92.5°	51.6	51.0	50.8	48.8	47.0	42.0	34.4	34.4	35.0	22.2	37.4
95°	46.0	46.0	45.0	45.0	53.0	71.0	98.0	97.0	70.0	64.0	90.0
97.5°	106.8	107.0	120.8	149.8	174.2	187.0	174.4	131.0	128.6	123.6	161.4
100°	214.0	211.0	232.0	257.0	283.0	231.0	184.0	183.0	175.0	166.0	215.0
102.5°	340.4	352.6	360.8	361.0	287.0	256.6	247.2	239.0	222.2	216.4	264.6
105°	470.0	450.0	388.0	352.0	347.0	355.0	356.0	326.0	300.0	297.0	345.0
107.5°	461.2	454.2	458.8	467.8	475.8	476.6	464.2	420.8	381.2	375.4	417.4
110°	546.0	543.0	550.0	555.0	563.0	559.0	541.0	492.0	442.0	429.0	471.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	634.0	639.8	639.6	648.6	651.0	646.2	617.0	561.6	503.6	483.4	523.8
115°	776.0	774.0	781.0	783.0	788.0	775.0	731.0	667.0	594.0	564.0	600.0
117.5°	920.2	914.2	914.2	925.4	921.6	894.4	849.6	773.6	691.6	642.0	669.4
120°	1009.0	1007.0	1007.0	1011.0	1008.0	976.0	928.0	844.0	754.0	694.0	715.0
122.5°	1093.0	1100.6	1094.2	1096.6	1090.4	1059.2	999.2	914.4	816.4	750.8	759.0
125°	1236.0	1228.0	1223.0	1221.0	1214.0	1179.0	1114.0	1022.0	916.0	836.0	825.0
127.5°	1347.0	1350.0	1344.2	1337.0	1323.4	1288.6	1222.2	1129.4	1018.8	918.0	893.8
130°	1427.0	1430.0	1425.0	1417.0	1397.0	1355.0	1295.0	1203.0	1090.0	982.0	941.0
132.5°	1511.8	1509.2	1502.6	1485.0	1464.2	1424.6	1360.6	1274.2	1154.0	1039.6	989.0
135°	1618.0	1619.0	1604.0	1586.0	1562.0	1518.0	1465.0	1380.0	1260.0	1136.0	1063.0
137.5°	1707.0	1705.4	1690.6	1675.6	1645.8	1607.6	1556.6	1476.0	1358.8	1231.6	1140.2
140°	1763.0	1763.0	1749.0	1730.0	1705.0	1666.0	1615.0	1536.0	1426.0	1294.0	1197.0
142.5°	1806.2	1807.0	1793.0	1778.8	1753.8	1719.6	1669.4	1593.6	1483.6	1362.0	1253.0
145°	1866.0	1870.0	1859.0	1847.0	1823.0	1790.0	1750.0	1672.0	1574.0	1452.0	1342.0
147.5°	1923.0	1927.0	1920.4	1908.0	1884.0	1849.6	1813.2	1742.4	1649.8	1541.0	1429.0
150°	1959.0	1963.0	1954.0	1944.0	1924.0	1888.0	1854.0	1784.0	1697.0	1597.0	1489.0
152.5°	1992.6	1996.6	1989.2	1977.6	1954.4	1919.2	1890.0	1822.4	1741.8	1650.6	1545.8
155°	2031.0	2040.0	2033.0	2022.0	1999.0	1966.0	1939.0	1877.0	1804.0	1724.0	1627.0
157.5°	2068.2	2078.0	2068.2	2057.8	2030.8	2003.0	1977.8	1920.8	1857.8	1789.2	1701.4
160°	2089.0	2098.0	2089.0	2077.0	2050.0	2023.0	2001.0	1948.0	1889.0	1826.0	1751.0
162.5°	2101.8	2111.6	2104.2	2090.6	2062.8	2038.2	2017.8	1969.6	1915.4	1858.0	1789.4
165°	2117.0	2128.0	2119.0	2103.0	2076.0	2056.0	2039.0	1996.0	1950.0	1903.0	1848.0
167.5°	2116.8	2129.4	2120.2	2109.6	2079.0	2063.6	2049.0	2014.0	1975.4	1938.0	1894.0
170°	2112.0	2123.0	2117.0	2108.0	2075.0	2062.0	2053.0	2022.0	1989.0	1958.0	1922.0
172.5°	2101.6	2111.8	2105.0	2096.0	2065.4	2054.8	2050.6	2025.2	1997.0	1973.2	1942.8
175°	2071.0	2085.0	2080.0	2072.0	2045.0	2039.0	2040.0	2023.0	2005.0	1990.0	1972.0
177.5°	2030.2	2039.0	2038.2	2031.0	2012.6	2014.2	2020.6	2010.2	2003.0	1997.4	1988.6
180°	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2	3306.2
2.5°	3312.9	3303.0	3291.3	3292.2	3305.7	3315.0	3311.8	3308.6
5°	3314.3	3302.9	3289.1	3292.9	3314.2	3329.4	3326.3	3323.2
7.5°	3320.9	3311.3	3299.5	3302.0	3318.8	3330.1	3325.2	3320.2
10°	3328.1	3317.2	3302.5	3302.5	3317.2	3327.3	3323.7	3320.2
12.5°	3340.7	3325.2	3303.1	3297.9	3309.7	3317.1	3311.0	3305.0
15°	3351.4	3328.9	3295.1	3279.6	3282.2	3281.6	3270.9	3260.3
17.5°	3327.6	3299.1	3255.8	3229.0	3218.8	3207.8	3194.5	3181.2
20°	3289.2	3255.9	3206.2	3174.5	3160.7	3147.1	3133.7	3120.4
22.5°	3224.1	3188.5	3135.3	3101.0	3085.9	3071.4	3059.2	3046.9
25°	3090.3	3055.8	3005.7	2973.0	2957.9	2945.4	2940.5	2935.6
27.5°	2911.4	2883.4	2844.7	2815.5	2795.7	2777.9	2766.5	2755.0
30°	2772.0	2749.2	2719.0	2692.6	2669.9	2648.9	2632.4	2616.0
32.5°	2623.7	2601.9	2571.3	2545.5	2524.2	2504.1	2487.3	2470.6
35°	2347.2	2328.7	2303.8	2283.6	2268.1	2253.2	2240.3	2227.4
37.5°	2028.6	2015.2	1998.1	1979.0	1957.8	1940.2	1932.9	1925.6
40°	1793.2	1783.0	1768.3	1749.0	1725.0	1705.0	1697.1	1689.1
42.5°	1542.7	1539.8	1529.0	1509.5	1481.3	1457.7	1447.9	1438.2
45°	1130.3	1144.0	1141.8	1128.0	1102.7	1064.1	985.5	907.0
47.5°	669.7	721.8	765.5	750.4	676.6	598.2	506.0	413.7
50°	396.3	465.8	542.2	522.8	407.9	315.1	288.9	262.7
52.5°	235.7	298.5	374.5	367.3	276.8	205.2	190.0	174.8
55°	104.2	131.5	165.7	165.3	130.2	102.8	98.3	93.9
57.5°	47.9	60.2	74.1	74.4	60.9	49.1	42.3	35.6
60°	19.3	29.3	40.4	38.8	24.6	12.7	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°	4.8	6.8	9.6	11.8	14.6	17.0	18.0	17.6
90°	24.0	34.0	48.0	59.0	73.0	85.0	90.0	88.0
92.5°	54.4	74.8	96.0	115.8	137.0	149.0	154.0	155.2
95°	126.0	155.0	189.0	219.0	245.0	264.0	269.0	283.0
97.5°	197.8	248.6	289.0	323.6	356.2	377.4	389.6	394.4
100°	253.0	303.0	353.0	390.0	429.0	447.0	464.0	476.0
102.5°	312.2	356.6	412.2	458.8	497.0	522.2	532.8	543.2
105°	401.0	452.0	500.0	551.0	591.0	623.0	645.0	649.0
107.5°	484.0	544.2	593.6	645.0	684.4	713.8	735.8	743.4
110°	540.0	601.0	660.0	701.0	746.0	777.0	795.0	809.0

TEST NUMBER: P709323

CATALOG NUMBER: DL2W-BB-M-150U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	591.2	656.2	720.8	773.0	813.2	844.2	864.6	872.2
115°	669.0	734.0	802.0	867.0	910.0	932.0	947.0	956.0
117.5°	738.0	808.8	872.8	938.8	983.2	1006.2	1010.6	1017.8
120°	778.0	852.0	920.0	978.0	1028.0	1055.0	1065.0	1069.0
122.5°	819.6	890.4	956.8	1016.4	1064.8	1097.4	1113.8	1118.6
125°	877.0	947.0	1013.0	1075.0	1120.0	1153.0	1171.0	1180.0
127.5°	927.2	993.0	1062.4	1123.6	1167.8	1199.8	1219.2	1228.8
130°	964.0	1021.0	1092.0	1154.0	1199.0	1231.0	1248.0	1256.0
132.5°	999.2	1045.0	1115.2	1177.2	1224.6	1255.8	1272.8	1279.2
135°	1055.0	1082.0	1140.0	1206.0	1254.0	1284.0	1301.0	1307.0
137.5°	1115.4	1121.6	1161.2	1223.0	1272.2	1303.2	1318.0	1323.0
140°	1157.0	1152.0	1178.0	1231.0	1281.0	1312.0	1326.0	1331.0
142.5°	1202.6	1188.0	1199.6	1239.8	1284.2	1315.2	1330.0	1335.0
145°	1272.0	1245.0	1236.0	1258.0	1291.0	1317.0	1333.0	1337.0
147.5°	1351.2	1311.8	1283.2	1289.6	1306.0	1324.6	1337.8	1340.2
150°	1404.0	1355.0	1320.0	1316.0	1322.0	1335.0	1345.0	1345.0
152.5°	1456.8	1404.6	1360.0	1348.0	1346.0	1351.0	1357.8	1357.0
155°	1541.0	1480.0	1429.0	1407.0	1394.0	1390.0	1388.0	1384.0
157.5°	1622.2	1559.0	1501.8	1471.8	1455.4	1445.4	1440.6	1434.4
160°	1679.0	1611.0	1553.0	1519.0	1505.0	1487.0	1483.0	1472.0
162.5°	1723.8	1666.2	1604.2	1570.2	1551.4	1536.6	1531.0	1518.4
165°	1793.0	1743.0	1681.0	1648.0	1625.0	1612.0	1601.0	1596.0
167.5°	1854.4	1811.6	1757.8	1724.0	1712.2	1692.6	1683.4	1676.0
170°	1888.0	1854.0	1809.0	1776.0	1765.0	1751.0	1741.0	1732.0
172.5°	1916.8	1893.2	1851.4	1828.8	1818.6	1806.2	1798.6	1786.4
175°	1955.0	1940.0	1913.0	1893.0	1898.0	1886.0	1884.0	1870.0
177.5°	1982.2	1977.4	1959.0	1951.0	1960.6	1956.6	1955.8	1947.0
180°	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0

(END OF REPORT)