

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: P709269

Luminaire Tested: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

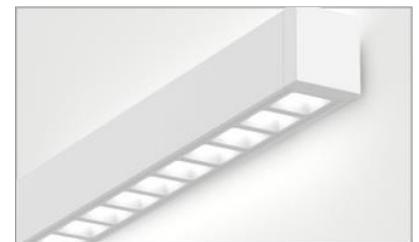
**Test Information**

Test Method: LM-79-2019  
Report Number: P709269  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-3, G3-2104-222-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4  
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5884.8 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.16  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

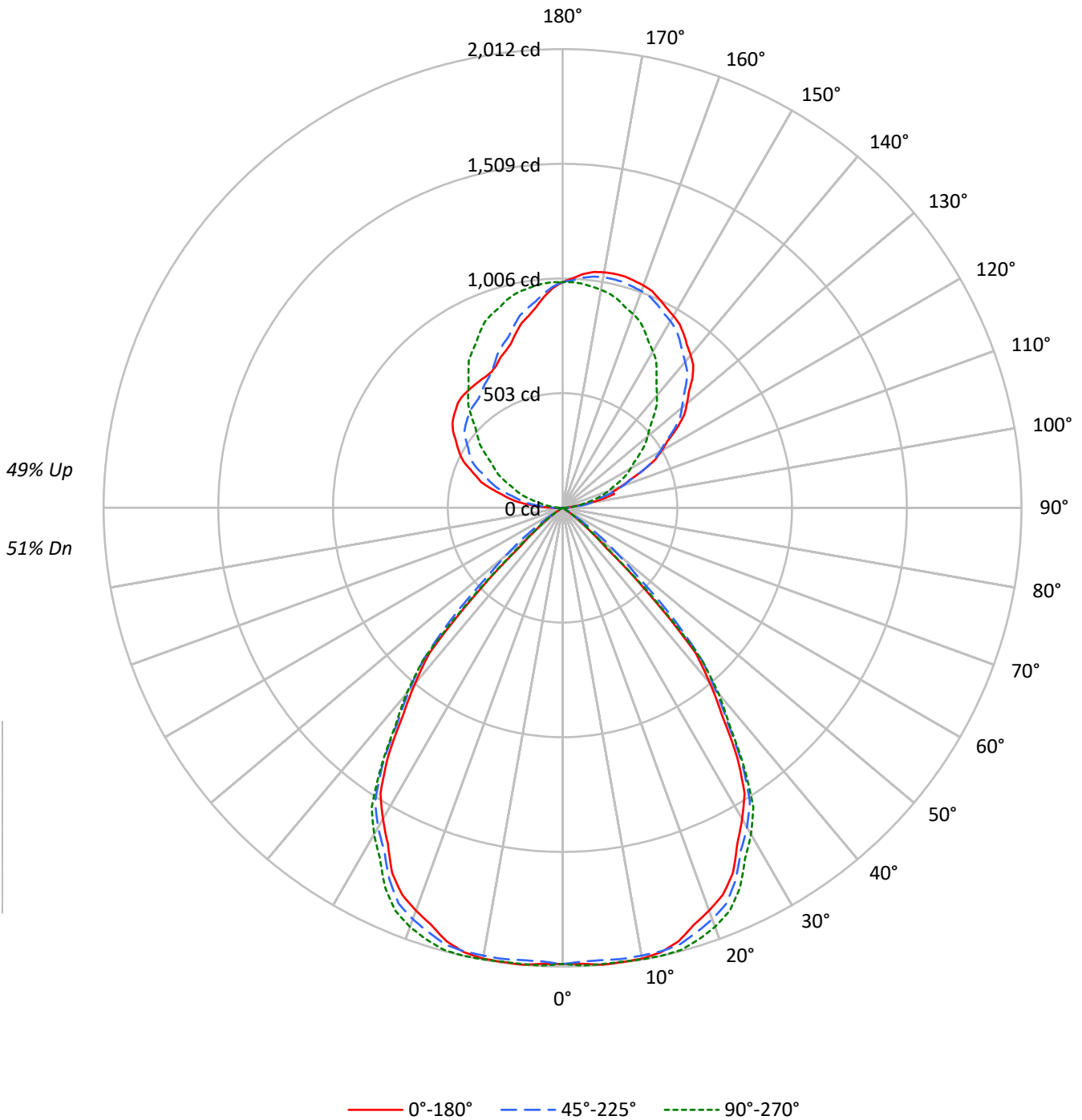
Input Watts (W): 51.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	100	96	93	90	92	89	87	84	76	75	73	64	63	62	53	53	52	47
2	93	87	82	77	86	81	76	73	69	66	64	59	57	55	50	48	47	43
3	86	78	72	67	80	73	68	63	63	59	56	54	52	49	46	44	43	39
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	40	39	35
5	74	64	57	52	69	60	54	50	53	48	45	46	43	40	40	37	35	32
6	69	59	51	46	64	55	49	44	49	44	40	42	39	36	37	34	32	29
7	64	54	46	42	60	50	44	40	45	40	36	39	36	33	34	31	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25
9	56	45	39	34	53	43	37	33	38	33	30	34	30	27	30	27	25	23
10	53	42	35	31	49	40	34	30	35	31	27	32	28	25	28	25	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	32298	32298	32298	32298	32298
5°	32600	32274	32551	32274	32600
10°	32911	32694	32960	32694	32911
15°	32886	33145	33555	33145	32886
20°	32290	32988	33598	32988	32290
25°	31483	32020	32767	32020	31483
30°	29366	30155	30803	30155	29366
35°	26311	27113	27338	27113	26311
40°	21218	22039	22419	22039	21218
45°	12545	15594	13367	15594	12545
50°	3946	7974	4172	7974	3946
55°	1576	2804	1576	2804	1576
60°	32	760	97	760	32
65°	0	31	0	31	0
70°	0	0	0	0	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: 50°  
 Vertical Angle: 45°  
 Luminance: 15650 cd/sqm

TEST NUMBER: P709269

CATALOG NUMBER: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.3	3.3
10°-20°	560.3	9.5
20°-30°	824.3	14.0
30°-40°	842.5	14.3
40°-50°	485.3	8.2
50°-60°	83.5	1.4
60°-70°	3.0	0.1
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.8	1.3
100°-110°	229.8	3.9
110°-120°	375.0	6.4
120°-130°	475.8	8.1
130°-140°	509.1	8.7
140°-150°	475.4	8.1
150°-160°	391.2	6.6
160°-170°	262.4	4.5
170°-180°	93.2	1.6
0°-30°	1575.8	26.8
0°-40°	2418.3	41.1
0°-60°	2987.1	50.8
0°-90°	2995.4	50.9
90°-120°	683.5	11.6
90°-150°	2143.9	36.4
90°-180°	2891.0	49.1
0°-180°	5884.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2000	2000	2000	2000	2000	
5°	2011	1991	2008	1991	2011	192
15°	1967	1983	2007	1983	1967	552
25°	1767	1797	1839	1797	1767	805
35°	1335	1376	1387	1376	1335	819
45°	549	683	585	683	549	426
55°	56	100	56	100	56	57
65°	0	1	0	1	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	2
90°	22	20	3	26	43	10
95°	23	30	31	100	135	39
105°	234	176	146	262	322	219
115°	388	388	280	416	478	384
125°	615	595	414	518	586	545
135°	805	766	563	582	649	617
145°	928	896	719	619	663	580
155°	1008	984	854	702	688	465
165°	1051	1026	944	826	792	297
175°	1029	1013	987	944	929	99
180°	990	990	990	990	990	

TEST NUMBER: P709269

CATALOG NUMBER: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4
2.5°	2002.0	2003.8	2005.6	1999.9	1991.7	1991.1	1998.3	2004.2	2006.7	2009.2	2006.7
5°	2011.4	2012.3	2013.2	2004.4	1992.4	1990.2	1997.7	2004.0	2006.2	2008.4	2006.2
7.5°	2009.0	2011.2	2013.5	2006.6	1996.7	1994.5	1999.8	2004.2	2005.7	2007.2	2005.7
10°	2007.4	2009.6	2011.8	2004.7	1994.5	1993.8	2002.7	2009.5	2010.0	2010.4	2010.0
12.5°	1996.2	2000.2	2004.2	1999.1	1991.0	1993.9	2007.8	2017.5	2014.8	2012.0	2014.8
15°	1967.4	1973.2	1978.9	1979.4	1978.0	1987.8	2008.7	2022.5	2015.0	2007.4	2015.0
17.5°	1916.9	1925.1	1933.3	1939.0	1943.9	1960.3	1988.1	2006.3	1995.7	1985.0	1995.7
20°	1879.3	1886.4	1893.5	1901.7	1910.1	1929.7	1960.4	1980.3	1967.8	1955.4	1967.8
22.5°	1836.9	1842.6	1848.3	1857.6	1868.2	1888.1	1917.4	1936.5	1925.1	1913.7	1925.1
25°	1767.2	1770.3	1773.5	1780.2	1788.2	1806.5	1834.9	1854.4	1846.8	1839.3	1846.8
27.5°	1659.2	1663.2	1667.2	1675.6	1685.6	1701.3	1722.6	1738.1	1735.9	1733.8	1735.9
30°	1575.1	1582.7	1590.2	1600.1	1610.8	1624.1	1640.1	1652.2	1652.2	1652.2	1652.2
32.5°	1485.4	1493.0	1500.6	1511.3	1523.0	1534.6	1545.9	1554.8	1555.8	1556.9	1555.8
35°	1334.9	1341.6	1348.3	1358.6	1370.2	1380.9	1390.6	1396.8	1391.9	1387.0	1391.9
37.5°	1150.0	1155.6	1161.2	1172.0	1184.4	1194.3	1201.7	1206.8	1204.9	1203.0	1204.9
40°	1006.7	1015.2	1023.6	1032.4	1041.3	1050.0	1058.4	1064.6	1064.2	1063.7	1064.2
42.5°	863.4	866.9	870.3	881.9	896.1	907.3	915.4	919.2	910.2	901.2	910.2
45°	549.4	595.2	641.0	664.5	680.5	685.4	679.1	664.6	625.0	585.4	625.0
47.5°	258.8	307.3	355.7	402.1	447.7	456.0	426.9	392.8	343.5	294.2	343.5
50°	157.1	173.6	190.0	245.2	313.2	321.7	270.5	224.8	195.5	166.1	195.5
52.5°	105.9	115.2	124.6	164.8	215.5	218.4	173.7	136.9	123.9	110.9	123.9
55°	56.0	58.7	61.4	78.1	99.4	99.8	79.4	63.2	59.6	56.0	59.6
57.5°	21.0	25.4	29.7	36.5	44.1	43.8	35.8	28.6	23.8	19.0	23.8
60°	1.0	5.0	9.0	15.7	23.2	23.9	17.7	11.9	7.4	3.0	7.4
62.5°	0.2	1.4	2.5	7.4	13.5	13.7	7.8	3.1	1.8	0.6	1.8
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	4.4	4.4	4.2	4.0	4.0	3.8	3.2	2.4	1.4	0.6	1.4
90°	22.0	22.0	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0
92.5°	26.0	26.0	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0
95°	23.0	23.0	23.0	23.0	27.0	34.0	50.0	51.0	34.0	31.0	44.0
97.5°	52.6	55.6	62.2	74.0	90.8	94.0	89.0	66.4	63.6	59.2	80.6
100°	107.0	110.0	115.0	130.0	142.0	118.0	93.0	92.0	86.0	84.0	107.0
102.5°	175.8	176.4	179.8	184.4	142.8	129.2	123.4	119.2	110.0	108.8	131.8
105°	234.0	227.0	195.0	175.0	176.0	176.0	172.0	164.0	147.0	146.0	172.0
107.5°	229.0	228.2	229.4	232.4	237.6	236.4	231.8	210.4	190.4	185.8	209.2
110°	273.0	273.0	275.0	278.0	280.0	278.0	271.0	244.0	220.0	213.0	234.0

TEST NUMBER: P709269

CATALOG NUMBER: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	318.6	317.0	319.0	321.2	325.6	319.6	307.8	276.8	249.6	239.4	260.4
115°	388.0	388.0	389.0	389.0	390.0	387.0	363.0	331.0	295.0	280.0	298.0
117.5°	458.6	456.6	457.8	459.0	455.0	447.0	419.2	382.0	341.6	317.6	331.8
120°	501.0	503.0	501.0	503.0	499.0	487.0	460.0	418.0	372.0	344.0	355.0
122.5°	545.0	546.2	545.8	545.4	540.6	527.0	495.2	451.6	406.4	372.0	376.6
125°	615.0	610.0	608.0	607.0	603.0	587.0	554.0	509.0	456.0	414.0	408.0
127.5°	673.6	671.4	667.2	665.0	658.8	639.4	605.6	562.2	504.0	456.4	443.0
130°	712.0	713.0	708.0	705.0	694.0	673.0	640.0	599.0	540.0	486.0	467.0
132.5°	750.4	749.0	747.2	738.6	729.2	706.6	676.0	633.4	573.6	517.2	491.0
135°	805.0	802.0	797.0	789.0	777.0	755.0	726.0	684.0	624.0	563.0	527.0
137.5°	848.4	846.0	840.8	832.4	818.8	799.8	770.6	733.2	675.6	611.2	565.8
140°	874.0	874.0	868.0	858.0	846.0	827.0	801.0	762.0	706.0	644.0	593.0
142.5°	897.2	897.2	890.4	882.8	870.0	852.6	829.8	790.8	736.4	675.2	621.0
145°	928.0	928.0	924.0	918.0	904.0	888.0	869.0	830.0	780.0	719.0	665.0
147.5°	955.2	957.4	952.4	947.6	936.6	917.8	901.8	864.4	818.8	764.8	709.4
150°	972.0	975.0	970.0	966.0	955.0	937.0	921.0	886.0	842.0	792.0	739.0
152.5°	988.0	990.2	986.8	982.8	970.2	952.2	938.6	906.0	866.0	818.4	764.6
155°	1008.0	1013.0	1009.0	1004.0	992.0	975.0	963.0	933.0	896.0	854.0	808.0
157.5°	1028.4	1030.6	1026.6	1020.4	1009.2	994.6	981.8	954.2	922.0	885.8	845.6
160°	1038.0	1041.0	1037.0	1030.0	1018.0	1005.0	993.0	967.0	938.0	905.0	868.0
162.5°	1044.4	1048.2	1044.2	1038.0	1023.6	1012.2	1001.8	978.2	950.8	921.0	888.0
165°	1051.0	1055.0	1052.0	1045.0	1030.0	1021.0	1012.0	992.0	968.0	944.0	916.0
167.5°	1051.4	1056.4	1052.6	1046.8	1031.8	1023.0	1016.4	999.2	979.8	961.4	939.6
170°	1049.0	1054.0	1051.0	1046.0	1031.0	1023.0	1018.0	1004.0	987.0	971.0	954.0
172.5°	1043.4	1047.6	1045.4	1040.4	1026.2	1019.8	1017.2	1004.8	991.0	979.0	964.4
175°	1029.0	1035.0	1031.0	1027.0	1015.0	1011.0	1012.0	1004.0	994.0	987.0	978.0
177.5°	1007.6	1010.8	1010.0	1007.6	998.8	998.8	1002.0	997.2	994.0	990.8	986.8
180°	990.0	990.0	990.0	990.0	990.0	990.0	990.0	990.0	990.0	990.0	990.0

TEST NUMBER: P709269

CATALOG NUMBER: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4	2000.4
2.5°	2004.2	1998.3	1991.1	1991.7	1999.9	2005.6	2003.8	2002.0
5°	2004.0	1997.7	1990.2	1992.4	2004.4	2013.2	2012.3	2011.4
7.5°	2004.2	1999.8	1994.5	1996.7	2006.6	2013.5	2011.2	2009.0
10°	2009.5	2002.7	1993.8	1994.5	2004.7	2011.8	2009.6	2007.4
12.5°	2017.5	2007.8	1993.9	1991.0	1999.1	2004.2	2000.2	1996.2
15°	2022.5	2008.7	1987.8	1978.0	1979.4	1978.9	1973.2	1967.4
17.5°	2006.3	1988.1	1960.3	1943.9	1939.0	1933.3	1925.1	1916.9
20°	1980.3	1960.4	1929.7	1910.1	1901.7	1893.5	1886.4	1879.3
22.5°	1936.5	1917.4	1888.1	1868.2	1857.6	1848.3	1842.6	1836.9
25°	1854.4	1834.9	1806.5	1788.2	1780.2	1773.5	1770.3	1767.2
27.5°	1738.1	1722.6	1701.3	1685.6	1675.6	1667.2	1663.2	1659.2
30°	1652.2	1640.1	1624.1	1610.8	1600.1	1590.2	1582.7	1575.1
32.5°	1554.8	1545.9	1534.6	1523.0	1511.3	1500.6	1493.0	1485.4
35°	1396.8	1390.6	1380.9	1370.2	1358.6	1348.3	1341.6	1334.9
37.5°	1206.8	1201.7	1194.3	1184.4	1172.0	1161.2	1155.6	1150.0
40°	1064.6	1058.4	1050.0	1041.3	1032.4	1023.6	1015.2	1006.7
42.5°	919.2	915.4	907.3	896.1	881.9	870.3	866.9	863.4
45°	664.6	679.1	685.4	680.5	664.5	641.0	595.2	549.4
47.5°	392.8	426.9	456.0	447.7	402.1	355.7	307.3	258.8
50°	224.8	270.5	321.7	313.2	245.2	190.0	173.6	157.1
52.5°	136.9	173.7	218.4	215.5	164.8	124.6	115.2	105.9
55°	63.2	79.4	99.8	99.4	78.1	61.4	58.7	56.0
57.5°	28.6	35.8	43.8	44.1	36.5	29.7	25.4	21.0
60°	11.9	17.7	23.9	23.2	15.7	9.0	5.0	1.0
62.5°	3.1	7.8	13.7	13.5	7.4	2.5	1.4	0.2
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	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°	2.2	3.6	4.6	6.0	7.4	8.2	9.0	8.6
90°	11.0	18.0	23.0	30.0	37.0	41.0	45.0	43.0
92.5°	27.0	38.8	46.2	58.0	66.6	73.8	77.0	76.6
95°	62.0	78.0	93.0	107.0	121.0	131.0	137.0	135.0
97.5°	98.4	124.2	143.4	162.2	177.8	187.2	193.2	197.2
100°	124.0	149.0	177.0	195.0	213.0	224.0	234.0	238.0
102.5°	155.2	176.2	204.2	227.8	247.4	259.2	267.6	271.6
105°	199.0	225.0	249.0	274.0	295.0	310.0	319.0	322.0
107.5°	241.6	270.2	293.8	319.6	339.0	355.6	366.6	373.0
110°	268.0	299.0	329.0	350.0	371.0	386.0	397.0	401.0



TEST NUMBER: P709269

CATALOG NUMBER: DL2W-BB-M-075U-075D-935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	295.2	327.0	358.6	382.0	403.0	418.0	430.6	436.2
115°	330.0	365.0	400.0	431.0	450.0	464.0	473.0	478.0
117.5°	365.6	401.6	434.4	466.8	487.6	498.4	502.6	506.2
120°	388.0	424.0	456.0	486.0	510.0	524.0	529.0	531.0
122.5°	407.2	442.4	476.0	504.4	527.6	544.8	553.0	555.0
125°	434.0	470.0	504.0	531.0	555.0	572.0	581.0	586.0
127.5°	459.4	492.4	528.4	557.6	579.6	595.0	603.8	607.8
130°	477.0	506.0	542.0	572.0	594.0	611.0	619.0	623.0
132.5°	495.4	518.0	552.4	584.0	606.8	622.2	631.0	635.0
135°	523.0	536.0	565.0	598.0	622.0	637.0	645.0	649.0
137.5°	552.4	557.4	576.0	606.0	631.0	646.8	654.0	656.6
140°	574.0	571.0	584.0	610.0	635.0	650.0	658.0	659.0
142.5°	596.4	589.4	594.4	614.8	636.6	651.6	659.6	661.4
145°	633.0	618.0	613.0	625.0	640.0	654.0	661.0	663.0
147.5°	669.8	650.4	636.4	640.2	648.0	657.2	664.0	665.4
150°	697.0	672.0	654.0	653.0	656.0	662.0	668.0	667.0
152.5°	722.6	696.8	674.0	668.2	668.0	670.8	673.6	673.4
155°	764.0	735.0	708.0	697.0	691.0	689.0	689.0	688.0
157.5°	803.6	774.0	745.4	730.0	721.0	716.2	714.8	712.6
160°	830.0	798.0	771.0	754.0	745.0	737.0	734.0	731.0
162.5°	854.8	825.2	795.0	778.8	769.0	761.8	758.8	754.2
165°	889.0	865.0	834.0	817.0	806.0	800.0	796.0	792.0
167.5°	918.4	898.4	873.0	854.4	847.2	840.4	836.6	829.4
170°	936.0	920.0	897.0	880.0	876.0	870.0	863.0	855.0
172.5°	951.2	938.4	917.8	906.4	902.4	896.4	894.2	887.8
175°	970.0	963.0	948.0	939.0	939.0	938.0	935.0	929.0
177.5°	984.4	982.0	973.2	968.4	971.6	971.6	970.8	965.2
180°	990.0	990.0	990.0	990.0	990.0	990.0	990.0	990.0

(END OF REPORT)