

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: P709352

Luminaire Tested: DL2W-WB-M-075U-075D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709352
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-075U-075D-930-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: 5924.2 lumens
Efficiency: N/A
Efficacy: 115.7 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

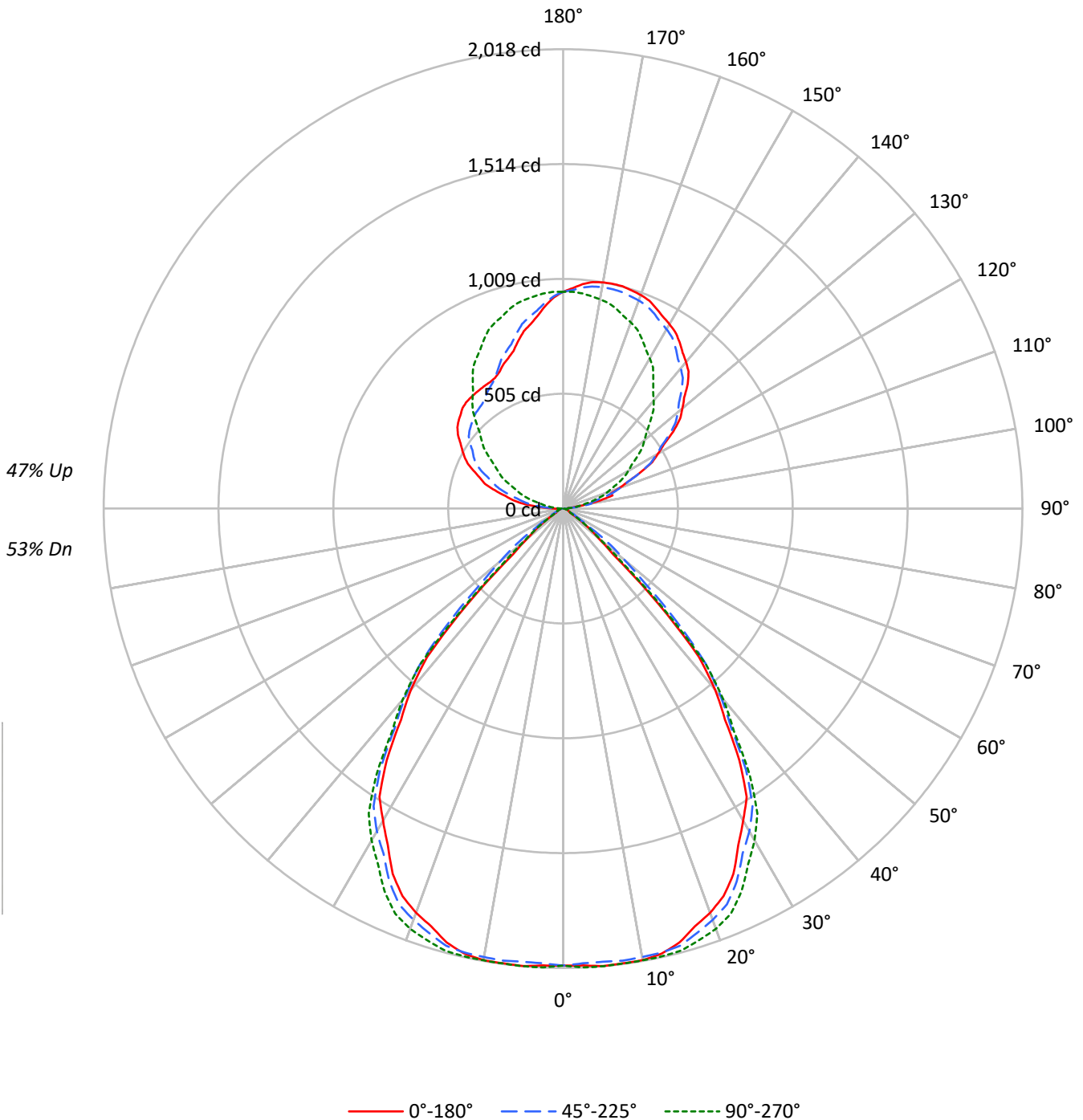
Input Watts (W): 51.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53		
1	100	97	94	91	93	90	87	85	77	75	74	66	64	63	55	54	53	48		
2	93	87	82	77	86	81	77	73	70	67	64	60	58	56	51	49	48	44		
3	86	78	72	67	80	73	68	63	64	60	57	55	52	50	47	45	43	40		
4	80	71	64	59	74	66	60	56	58	54	50	51	47	45	43	41	39	36		
5	74	64	57	52	69	60	54	49	53	48	45	46	43	40	40	38	36	33		
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	35	32	30		
7	64	53	46	41	60	50	44	40	45	40	36	40	36	33	35	32	30	27		
8	60	49	42	37	56	46	40	36	41	36	33	37	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	40	34	30	36	31	27	32	28	25	28	25	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32411	32411	32411	32411	32411
5°	32692	32383	32707	32383	32692
10°	33023	32798	33037	32798	33023
15°	32991	33230	33588	33230	32991
20°	32459	33032	33747	33032	32459
25°	31545	32177	33054	32177	31545
30°	29496	30512	31362	30512	29496
35°	26613	27609	28206	27609	26613
40°	21905	22736	23123	22736	21905
45°	13579	16373	14458	16373	13579
50°	5172	8961	5657	8961	5172
55°	2764	4156	2790	4156	2764
60°	1182	2020	1305	2020	1182
65°	1104	1238	1177	1238	1104
70°	1090	1175	1138	1175	1090
75°	1023	1135	1142	1135	1023
80°	986	1083	1069	1083	986
85°	889	908	1074	908	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 16459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	3.2
10°-20°	561.2	9.5
20°-30°	829.8	14.0
30°-40°	858.6	14.5
40°-50°	516.4	8.7
50°-60°	123.5	2.1
60°-70°	33.8	0.6
70°-80°	18.9	0.3
80°-90°	9.9	0.2
90°-100°	75.8	1.3
100°-110°	221.0	3.7
110°-120°	360.6	6.1
120°-130°	457.6	7.7
130°-140°	489.7	8.3
140°-150°	457.2	7.7
150°-160°	376.3	6.4
160°-170°	252.3	4.3
170°-180°	89.6	1.5
0°-30°	1583.0	26.7
0°-40°	2441.5	41.2
0°-60°	3081.4	52.0
0°-90°	3144.0	53.1
90°-120°	657.4	11.1
90°-150°	2062.0	34.8
90°-180°	2780.0	46.9
0°-180°	5924.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2007	2007	2007	2007	2007	
5°	2017	1998	2018	1998	2017	192
15°	1974	1988	2009	1988	1974	554
25°	1771	1806	1855	1806	1771	807
35°	1350	1401	1431	1401	1350	830
45°	595	717	633	717	595	454
55°	98	148	99	148	98	95
65°	29	32	31	32	29	29
75°	16	18	18	18	16	17
85°	5	5	6	5	5	6
90°	21	19	3	26	41	10
95°	22	29	30	96	130	37
105°	225	169	140	252	310	210
115°	373	374	269	400	460	369
125°	592	572	398	498	564	525
135°	774	737	542	559	624	593
145°	892	862	692	595	638	558
155°	970	946	821	676	662	448
165°	1011	986	908	794	762	285
175°	990	974	949	907	894	95
180°	952	952	952	952	952	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4
2.5°	2009.0	2010.7	2012.4	2007.2	1999.6	1999.5	2006.7	2012.6	2015.0	2017.4	2015.0
5°	2017.1	2018.3	2019.6	2011.0	1999.0	1997.1	2005.2	2012.0	2015.0	2018.0	2015.0
7.5°	2014.9	2016.9	2018.9	2012.6	2003.5	2002.1	2008.3	2013.3	2014.6	2015.9	2014.6
10°	2014.2	2015.5	2016.7	2010.0	2000.6	2000.4	2009.4	2016.0	2015.6	2015.1	2015.6
12.5°	2002.6	2005.6	2008.6	2003.8	1996.5	1999.3	2012.4	2021.4	2017.9	2014.4	2017.9
15°	1973.7	1978.0	1982.3	1983.4	1983.4	1992.6	2011.0	2023.0	2016.2	2009.4	2016.2
17.5°	1924.5	1929.7	1934.9	1941.2	1947.7	1963.3	1987.9	2004.2	1996.1	1988.0	1996.1
20°	1889.1	1891.2	1893.3	1901.9	1912.6	1932.3	1960.9	1980.4	1972.3	1964.1	1972.3
22.5°	1842.9	1846.4	1849.9	1859.6	1871.3	1892.5	1923.2	1944.0	1935.2	1926.4	1935.2
25°	1770.7	1775.4	1780.1	1787.7	1796.3	1816.1	1847.4	1869.1	1862.2	1855.4	1862.2
27.5°	1666.8	1673.3	1679.8	1688.7	1698.5	1718.0	1747.2	1768.2	1764.5	1760.7	1764.5
30°	1582.1	1592.3	1602.6	1614.8	1627.6	1645.6	1668.7	1685.6	1683.9	1682.2	1683.9
32.5°	1501.2	1509.5	1517.7	1528.8	1541.0	1557.2	1577.6	1592.4	1590.7	1589.0	1590.7
35°	1350.2	1358.7	1367.3	1380.0	1394.1	1407.4	1419.8	1429.3	1430.1	1431.0	1430.1
37.5°	1169.4	1178.1	1186.7	1197.2	1208.3	1218.8	1228.6	1235.7	1234.5	1233.3	1234.5
40°	1039.3	1041.5	1043.6	1056.3	1072.6	1084.8	1092.9	1098.8	1097.9	1097.1	1097.9
42.5°	883.8	893.8	903.8	915.7	928.2	940.0	951.2	956.4	943.6	930.8	943.6
45°	594.7	635.8	676.8	698.3	713.3	720.8	720.8	711.1	672.1	633.2	672.1
47.5°	299.1	349.0	398.8	444.7	489.1	499.4	475.3	446.2	401.9	357.6	401.9
50°	205.9	222.6	239.3	289.7	351.3	362.2	322.4	285.1	255.1	225.2	255.1
52.5°	151.3	160.1	168.9	210.1	262.1	267.2	225.4	190.2	175.0	159.7	175.0
55°	98.2	101.6	105.0	123.5	147.0	148.3	127.3	110.2	104.7	99.1	104.7
57.5°	59.7	65.1	70.4	77.9	86.2	86.2	77.9	70.4	64.6	58.9	64.6
60°	36.6	41.3	46.0	53.6	62.1	63.0	56.1	49.8	45.1	40.4	45.1
62.5°	33.5	35.1	36.7	42.3	49.1	49.6	43.8	39.0	37.0	35.0	37.0
65°	28.9	29.7	30.6	31.4	32.3	32.5	32.1	31.7	31.2	30.8	31.2
67.5°	25.4	26.2	26.9	27.2	27.3	27.5	27.8	28.0	27.6	27.1	27.6
70°	23.1	23.5	24.0	24.4	24.8	25.0	25.0	24.9	24.5	24.1	24.5
72.5°	20.0	20.8	21.6	21.8	21.9	22.1	22.5	22.6	22.2	21.7	22.2
75°	16.4	16.8	17.2	17.6	18.1	18.3	18.3	18.3	18.3	18.3	18.3
77.5°	12.9	13.3	13.8	13.9	13.9	14.1	14.5	14.7	14.3	13.9	14.3
80°	10.6	11.0	11.4	11.5	11.5	11.8	12.2	12.4	12.0	11.5	12.0
82.5°	8.3	8.7	9.1	9.2	9.2	9.3	9.4	9.4	9.3	9.2	9.3
85°	4.8	4.8	4.8	4.8	4.8	5.0	5.5	5.8	5.8	5.8	5.8
87.5°	5.8	5.8	5.6	5.4	5.4	5.4	5.1	4.5	3.2	2.1	3.2
90°	21.2	21.2	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7
92.5°	25.0	25.0	24.0	23.9	22.3	20.6	16.9	16.9	16.7	10.6	18.3
95°	22.1	22.1	22.1	22.1	26.0	32.7	48.1	49.1	32.7	29.8	42.3
97.5°	50.6	53.5	59.8	71.2	87.3	90.4	85.6	63.9	61.2	56.9	77.5
100°	102.9	105.8	110.6	125.0	136.6	113.5	89.4	88.5	82.7	80.8	102.9
102.5°	169.1	169.7	172.9	177.4	137.3	124.3	118.7	114.6	105.8	104.6	126.8
105°	225.1	218.3	187.6	168.3	169.3	169.3	165.4	157.7	141.4	140.4	165.4
107.5°	220.3	219.5	220.6	223.5	228.5	227.4	222.9	202.4	183.1	178.7	201.2
110°	262.6	262.6	264.5	267.4	269.3	267.4	260.6	234.7	211.6	204.9	225.1

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	306.4	304.9	306.8	308.9	313.2	307.4	296.0	266.2	240.1	230.3	250.5
115°	373.2	373.2	374.1	374.1	375.1	372.2	349.1	318.4	283.7	269.3	286.6
117.5°	441.1	439.2	440.3	441.5	437.6	429.9	403.2	367.4	328.5	305.5	319.1
120°	481.9	483.8	481.9	483.8	479.9	468.4	442.4	402.0	357.8	330.9	341.4
122.5°	524.2	525.3	524.9	524.6	519.9	506.9	476.3	434.3	390.9	357.8	362.2
125°	591.5	586.7	584.8	583.8	580.0	564.6	532.8	489.6	438.6	398.2	392.4
127.5°	647.9	645.8	641.7	639.6	633.6	615.0	582.5	540.7	484.7	439.0	426.1
130°	684.8	685.8	681.0	678.1	667.5	647.3	615.5	576.1	519.4	467.4	449.2
132.5°	721.7	720.4	718.7	710.4	701.3	679.6	650.2	609.2	551.7	497.4	472.2
135°	774.2	771.4	766.6	758.9	747.3	726.2	698.3	657.9	600.2	541.5	506.9
137.5°	816.0	813.7	808.7	800.6	787.5	769.2	741.2	705.2	649.8	587.8	544.2
140°	840.6	840.6	834.8	825.2	813.7	795.4	770.4	732.9	679.0	619.4	570.3
142.5°	862.9	862.9	856.4	849.1	836.8	820.0	798.1	760.6	708.3	649.4	597.3
145°	892.5	892.5	888.7	882.9	869.5	854.1	835.8	798.3	750.2	691.5	639.6
147.5°	918.7	920.8	916.0	911.4	900.8	882.7	867.3	831.4	787.5	735.6	682.3
150°	934.9	937.8	932.9	929.1	918.5	901.2	885.8	852.2	809.8	761.7	710.8
152.5°	950.3	952.4	949.1	945.3	933.1	915.8	902.7	871.4	832.9	787.1	735.4
155°	969.5	974.3	970.5	965.6	954.1	937.8	926.2	897.4	861.8	821.4	777.1
157.5°	989.1	991.2	987.4	981.4	970.6	956.6	944.3	917.7	886.8	852.0	813.3
160°	998.3	1001.2	997.4	990.7	979.1	966.6	955.1	930.1	902.2	870.4	834.8
162.5°	1004.5	1008.2	1004.3	998.3	984.5	973.5	963.5	940.8	914.5	885.8	854.1
165°	1010.8	1014.7	1011.8	1005.1	990.7	982.0	973.3	954.1	931.0	907.9	881.0
167.5°	1011.2	1016.0	1012.4	1006.8	992.4	983.9	977.6	961.0	942.4	924.7	903.7
170°	1008.9	1013.7	1010.8	1006.0	991.6	983.9	979.1	965.6	949.3	933.9	917.6
172.5°	1003.5	1007.6	1005.5	1000.7	987.0	980.8	978.3	966.4	953.1	941.6	927.6
175°	989.7	995.5	991.6	987.8	976.2	972.4	973.3	965.6	956.0	949.3	940.6
177.5°	969.1	972.2	971.4	969.1	960.6	960.6	963.7	959.1	956.0	952.9	949.1
180°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4	2007.4
2.5°	2012.6	2006.7	1999.5	1999.6	2007.2	2012.4	2010.7	2009.0
5°	2012.0	2005.2	1997.1	1999.0	2011.0	2019.6	2018.3	2017.1
7.5°	2013.3	2008.3	2002.1	2003.5	2012.6	2018.9	2016.9	2014.9
10°	2016.0	2009.4	2000.4	2000.6	2010.0	2016.7	2015.5	2014.2
12.5°	2021.4	2012.4	1999.3	1996.5	2003.8	2008.6	2005.6	2002.6
15°	2023.0	2011.0	1992.6	1983.4	1983.4	1982.3	1978.0	1973.7
17.5°	2004.2	1987.9	1963.3	1947.7	1941.2	1934.9	1929.7	1924.5
20°	1980.4	1960.9	1932.3	1912.6	1901.9	1893.3	1891.2	1889.1
22.5°	1944.0	1923.2	1892.5	1871.3	1859.6	1849.9	1846.4	1842.9
25°	1869.1	1847.4	1816.1	1796.3	1787.7	1780.1	1775.4	1770.7
27.5°	1768.2	1747.2	1718.0	1698.5	1688.7	1679.8	1673.3	1666.8
30°	1685.6	1668.7	1645.6	1627.6	1614.8	1602.6	1592.3	1582.1
32.5°	1592.4	1577.6	1557.2	1541.0	1528.8	1517.7	1509.5	1501.2
35°	1429.3	1419.8	1407.4	1394.1	1380.0	1367.3	1358.7	1350.2
37.5°	1235.7	1228.6	1218.8	1208.3	1197.2	1186.7	1178.1	1169.4
40°	1098.8	1092.9	1084.8	1072.6	1056.3	1043.6	1041.5	1039.3
42.5°	956.4	951.2	940.0	928.2	915.7	903.8	893.8	883.8
45°	711.1	720.8	720.8	713.3	698.3	676.8	635.8	594.7
47.5°	446.2	475.3	499.4	489.1	444.7	398.8	349.0	299.1
50°	285.1	322.4	362.2	351.3	289.7	239.3	222.6	205.9
52.5°	190.2	225.4	267.2	262.1	210.1	168.9	160.1	151.3
55°	110.2	127.3	148.3	147.0	123.5	105.0	101.6	98.2
57.5°	70.4	77.9	86.2	86.2	77.9	70.4	65.1	59.7
60°	49.8	56.1	63.0	62.1	53.6	46.0	41.3	36.6
62.5°	39.0	43.8	49.6	49.1	42.3	36.7	35.1	33.5
65°	31.7	32.1	32.5	32.3	31.4	30.6	29.7	28.9
67.5°	28.0	27.8	27.5	27.3	27.2	26.9	26.2	25.4
70°	24.9	25.0	25.0	24.8	24.4	24.0	23.5	23.1
72.5°	22.6	22.5	22.1	21.9	21.8	21.6	20.8	20.0
75°	18.3	18.3	18.3	18.1	17.6	17.2	16.8	16.4
77.5°	14.7	14.5	14.1	13.9	13.9	13.8	13.3	12.9
80°	12.4	12.2	11.8	11.5	11.5	11.4	11.0	10.6
82.5°	9.4	9.4	9.3	9.2	9.2	9.1	8.7	8.3
85°	5.8	5.5	5.0	4.8	4.8	4.8	4.8	4.8
87.5°	4.3	5.5	6.1	7.3	8.7	9.4	10.2	9.8
90°	10.6	17.3	22.1	28.9	35.6	39.4	43.3	41.4
92.5°	26.0	37.3	44.4	55.8	64.1	71.0	74.1	73.7
95°	59.6	75.0	89.4	102.9	116.4	126.0	131.8	129.8
97.5°	94.6	119.5	137.9	156.0	171.0	180.0	185.8	189.7
100°	119.3	143.3	170.2	187.6	204.9	215.4	225.1	228.9
102.5°	149.3	169.5	196.4	219.1	237.9	249.3	257.4	261.2
105°	191.4	216.4	239.5	263.5	283.7	298.2	306.8	309.7
107.5°	232.4	259.9	282.6	307.4	326.0	342.0	352.6	358.8
110°	257.8	287.6	316.4	336.6	356.8	371.3	381.8	385.7

TEST NUMBER: P709352

CATALOG NUMBER: DL2W-WB-M-075U-075D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	283.9	314.5	344.9	367.4	387.6	402.0	414.1	419.5
115°	317.4	351.1	384.7	414.5	432.8	446.3	454.9	459.7
117.5°	351.6	386.3	417.8	449.0	469.0	479.4	483.4	486.9
120°	373.2	407.8	438.6	467.4	490.5	504.0	508.8	510.7
122.5°	391.6	425.5	457.8	485.1	507.4	524.0	531.9	533.8
125°	417.4	452.0	484.7	510.7	533.8	550.1	558.8	563.6
127.5°	441.8	473.6	508.2	536.3	557.5	572.3	580.7	584.6
130°	458.8	486.7	521.3	550.1	571.3	587.7	595.4	599.2
132.5°	476.5	498.2	531.3	561.7	583.6	598.4	606.9	610.7
135°	503.0	515.5	543.4	575.2	598.2	612.7	620.4	624.2
137.5°	531.3	536.1	554.0	582.8	606.9	622.1	629.0	631.5
140°	552.1	549.2	561.7	586.7	610.7	625.2	632.9	633.8
142.5°	573.6	566.9	571.7	591.3	612.3	626.7	634.4	636.1
145°	608.8	594.4	589.6	601.1	615.5	629.0	635.7	637.7
147.5°	644.2	625.6	612.1	615.7	623.2	632.1	638.6	640.0
150°	670.4	646.3	629.0	628.1	630.9	636.7	642.5	641.5
152.5°	695.0	670.2	648.3	642.7	642.5	645.2	647.9	647.7
155°	734.8	706.9	681.0	670.4	664.6	662.7	662.7	661.7
157.5°	772.9	744.4	716.9	702.1	693.5	688.8	687.5	685.4
160°	798.3	767.5	741.5	725.2	716.5	708.8	706.0	703.1
162.5°	822.1	793.7	764.6	749.0	739.6	732.7	729.8	725.4
165°	855.0	832.0	802.1	785.8	775.2	769.4	765.6	761.7
167.5°	883.3	864.1	839.6	821.8	814.8	808.3	804.6	797.7
170°	900.2	884.9	862.7	846.4	842.5	836.8	830.0	822.3
172.5°	914.9	902.5	882.7	871.8	867.9	862.2	860.0	853.9
175°	932.9	926.2	911.8	903.1	903.1	902.2	899.3	893.5
177.5°	946.8	944.5	936.0	931.4	934.5	934.5	933.7	928.3
180°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2

(END OF REPORT)