

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: P709353

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709353
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-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: 6159.5 lumens
Efficiency: N/A
Efficacy: 120.3 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

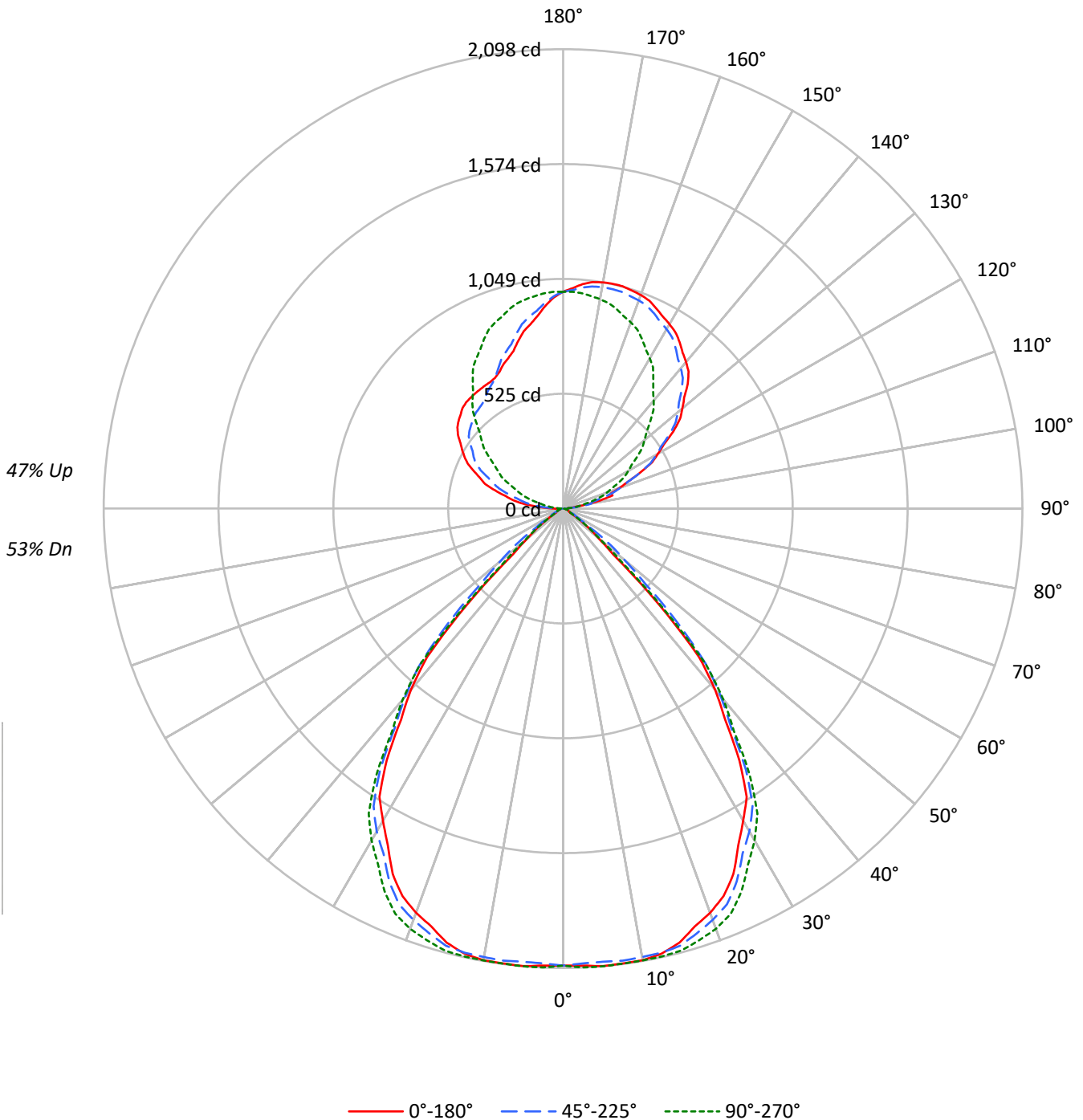
Input Watts (W): 51.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	33700	33700	33700	33700	33700
5°	33990	33669	34007	33669	33990
10°	34334	34101	34351	34101	34334
15°	34302	34550	34922	34550	34302
20°	33747	34343	35087	34343	33747
25°	32797	33456	34367	33456	32797
30°	30667	31725	32608	31725	30667
35°	27670	28706	29325	28706	27670
40°	22776	23639	24040	23639	22776
45°	14118	17022	15034	17022	14118
50°	5378	9315	5880	9315	5378
55°	2874	4322	2902	4322	2874
60°	1227	2101	1356	2101	1227
65°	1146	1287	1223	1287	1146
70°	1133	1223	1180	1223	1133
75°	1061	1179	1185	1179	1061
80°	1023	1125	1116	1125	1023
85°	926	945	1112	945	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 17112 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	3.2
10°-20°	583.5	9.5
20°-30°	862.8	14.0
30°-40°	892.7	14.5
40°-50°	536.9	8.7
50°-60°	128.4	2.1
60°-70°	35.1	0.6
70°-80°	19.6	0.3
80°-90°	10.3	0.2
90°-100°	78.8	1.3
100°-110°	229.8	3.7
110°-120°	375.0	6.1
120°-130°	475.8	7.7
130°-140°	509.1	8.3
140°-150°	475.4	7.7
150°-160°	391.2	6.4
160°-170°	262.4	4.3
170°-180°	93.2	1.5
0°-30°	1645.8	26.7
0°-40°	2538.5	41.2
0°-60°	3203.8	52.0
0°-90°	3268.9	53.1
90°-120°	683.5	11.1
90°-150°	2143.9	34.8
90°-180°	2891.0	46.9
0°-180°	6159.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2087	2087	2087	2087	2087	
5°	2097	2077	2098	2077	2097	200
15°	2052	2067	2089	2067	2052	577
25°	1841	1878	1929	1878	1841	840
35°	1404	1456	1488	1456	1404	863
45°	618	746	658	746	618	473
55°	102	154	103	154	102	99
65°	30	34	32	34	30	30
75°	17	19	19	19	17	18
85°	5	5	6	5	5	6
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	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2
2.5°	2088.8	2090.5	2092.3	2086.9	2079.1	2078.9	2086.4	2092.6	2095.1	2097.6	2095.1
5°	2097.2	2098.5	2099.8	2090.8	2078.4	2076.4	2084.8	2091.9	2095.1	2098.2	2095.1
7.5°	2095.0	2097.0	2099.1	2092.5	2083.1	2081.6	2088.1	2093.3	2094.6	2096.0	2094.6
10°	2094.2	2095.5	2096.8	2089.8	2080.1	2079.8	2089.2	2096.1	2095.6	2095.2	2095.6
12.5°	2082.2	2085.3	2088.4	2083.4	2075.8	2078.8	2092.4	2101.7	2098.0	2094.4	2098.0
15°	2052.1	2056.6	2061.0	2062.2	2062.2	2071.7	2090.8	2103.4	2096.3	2089.2	2096.3
17.5°	2000.9	2006.3	2011.8	2018.3	2025.1	2041.3	2066.8	2083.9	2075.4	2067.0	2075.4
20°	1964.1	1966.3	1968.5	1977.4	1988.6	2009.0	2038.8	2059.0	2050.6	2042.1	2050.6
22.5°	1916.1	1919.7	1923.4	1933.4	1945.6	1967.7	1999.6	2021.2	2012.1	2002.9	2012.1
25°	1841.0	1845.9	1850.8	1858.7	1867.6	1888.3	1920.7	1943.3	1936.2	1929.1	1936.2
27.5°	1733.0	1739.7	1746.5	1755.8	1765.9	1786.2	1816.6	1838.4	1834.5	1830.6	1834.5
30°	1644.9	1655.6	1666.3	1678.9	1692.3	1711.0	1735.0	1752.5	1750.8	1749.0	1750.8
32.5°	1560.9	1569.4	1577.9	1589.6	1602.2	1619.1	1640.2	1655.7	1653.9	1652.1	1653.9
35°	1403.8	1412.7	1421.6	1434.8	1449.5	1463.3	1476.2	1486.1	1486.9	1487.8	1486.9
37.5°	1215.9	1224.9	1233.8	1244.8	1256.3	1267.2	1277.4	1284.8	1283.6	1282.3	1283.6
40°	1080.6	1082.8	1085.1	1098.3	1115.2	1127.9	1136.3	1142.4	1141.5	1140.6	1141.5
42.5°	918.9	929.3	939.7	952.1	965.0	977.4	989.0	994.4	981.1	967.7	981.1
45°	618.3	661.0	703.7	726.1	741.6	749.4	749.4	739.3	698.8	658.4	698.8
47.5°	311.0	362.8	414.7	462.3	508.6	519.2	494.2	463.9	417.9	371.8	417.9
50°	214.1	231.5	248.8	301.2	365.2	376.5	335.2	296.4	265.3	234.1	265.3
52.5°	157.3	166.4	175.6	218.5	272.5	277.8	234.3	197.8	181.9	166.1	181.9
55°	102.1	105.6	109.2	128.4	152.9	154.2	132.4	114.6	108.8	103.1	108.8
57.5°	62.0	67.6	73.2	81.0	89.6	89.6	81.0	73.2	67.2	61.2	67.2
60°	38.0	42.9	47.8	55.7	64.6	65.5	58.4	51.8	46.9	42.0	46.9
62.5°	34.8	36.5	38.2	44.0	51.1	51.6	45.6	40.5	38.5	36.4	38.5
65°	30.0	30.9	31.8	32.7	33.6	33.8	33.4	32.9	32.5	32.0	32.5
67.5°	26.4	27.2	28.0	28.3	28.4	28.6	28.9	29.1	28.7	28.2	28.7
70°	24.0	24.5	24.9	25.3	25.8	26.0	26.0	25.9	25.5	25.0	25.5
72.5°	20.8	21.6	22.4	22.7	22.8	23.0	23.3	23.5	23.1	22.6	23.1
75°	17.0	17.5	17.9	18.3	18.8	19.0	19.0	19.0	19.0	19.0	19.0
77.5°	13.4	13.9	14.3	14.4	14.4	14.6	15.1	15.3	14.9	14.4	14.9
80°	11.0	11.5	11.9	12.0	12.0	12.2	12.7	12.9	12.5	12.0	12.5
82.5°	8.6	9.0	9.5	9.6	9.6	9.6	9.7	9.8	9.7	9.6	9.7
85°	5.0	5.0	5.0	5.0	5.0	5.2	5.7	6.0	6.0	6.0	6.0
87.5°	6.0	6.0	5.8	5.6	5.6	5.6	5.3	4.7	3.4	2.2	3.4
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

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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

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2	2087.2
2.5°	2092.6	2086.4	2078.9	2079.1	2086.9	2092.3	2090.5	2088.8
5°	2091.9	2084.8	2076.4	2078.4	2090.8	2099.8	2098.5	2097.2
7.5°	2093.3	2088.1	2081.6	2083.1	2092.5	2099.1	2097.0	2095.0
10°	2096.1	2089.2	2079.8	2080.1	2089.8	2096.8	2095.5	2094.2
12.5°	2101.7	2092.4	2078.8	2075.8	2083.4	2088.4	2085.3	2082.2
15°	2103.4	2090.8	2071.7	2062.2	2062.2	2061.0	2056.6	2052.1
17.5°	2083.9	2066.8	2041.3	2025.1	2018.3	2011.8	2006.3	2000.9
20°	2059.0	2038.8	2009.0	1988.6	1977.4	1968.5	1966.3	1964.1
22.5°	2021.2	1999.6	1967.7	1945.6	1933.4	1923.4	1919.7	1916.1
25°	1943.3	1920.7	1888.3	1867.6	1858.7	1850.8	1845.9	1841.0
27.5°	1838.4	1816.6	1786.2	1765.9	1755.8	1746.5	1739.7	1733.0
30°	1752.5	1735.0	1711.0	1692.3	1678.9	1666.3	1655.6	1644.9
32.5°	1655.7	1640.2	1619.1	1602.2	1589.6	1577.9	1569.4	1560.9
35°	1486.1	1476.2	1463.3	1449.5	1434.8	1421.6	1412.7	1403.8
37.5°	1284.8	1277.4	1267.2	1256.3	1244.8	1233.8	1224.9	1215.9
40°	1142.4	1136.3	1127.9	1115.2	1098.3	1085.1	1082.8	1080.6
42.5°	994.4	989.0	977.4	965.0	952.1	939.7	929.3	918.9
45°	739.3	749.4	749.4	741.6	726.1	703.7	661.0	618.3
47.5°	463.9	494.2	519.2	508.6	462.3	414.7	362.8	311.0
50°	296.4	335.2	376.5	365.2	301.2	248.8	231.5	214.1
52.5°	197.8	234.3	277.8	272.5	218.5	175.6	166.4	157.3
55°	114.6	132.4	154.2	152.9	128.4	109.2	105.6	102.1
57.5°	73.2	81.0	89.6	89.6	81.0	73.2	67.6	62.0
60°	51.8	58.4	65.5	64.6	55.7	47.8	42.9	38.0
62.5°	40.5	45.6	51.6	51.1	44.0	38.2	36.5	34.8
65°	32.9	33.4	33.8	33.6	32.7	31.8	30.9	30.0
67.5°	29.1	28.9	28.6	28.4	28.3	28.0	27.2	26.4
70°	25.9	26.0	26.0	25.8	25.3	24.9	24.5	24.0
72.5°	23.5	23.3	23.0	22.8	22.7	22.4	21.6	20.8
75°	19.0	19.0	19.0	18.8	18.3	17.9	17.5	17.0
77.5°	15.3	15.1	14.6	14.4	14.4	14.3	13.9	13.4
80°	12.9	12.7	12.2	12.0	12.0	11.9	11.5	11.0
82.5°	9.8	9.7	9.6	9.6	9.6	9.5	9.0	8.6
85°	6.0	5.7	5.2	5.0	5.0	5.0	5.0	5.0
87.5°	4.5	5.7	6.4	7.6	9.0	9.8	10.6	10.2
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: P709353

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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)