

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: P709396

Luminaire Tested: DL2W-WB-M-125U-125D-940-UNV-STD-W-WM-4

Issue Date: 3/5/2020

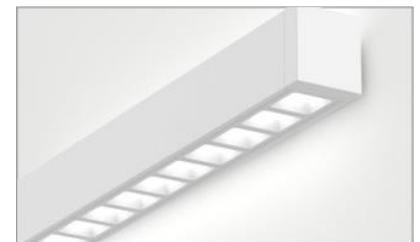
Test Information

Test Method: LM-79-2019
Report Number: P709396
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-5, G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-125U-125D-940-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: 10946.6 lumens
Efficiency: N/A
Efficacy: 116.8 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

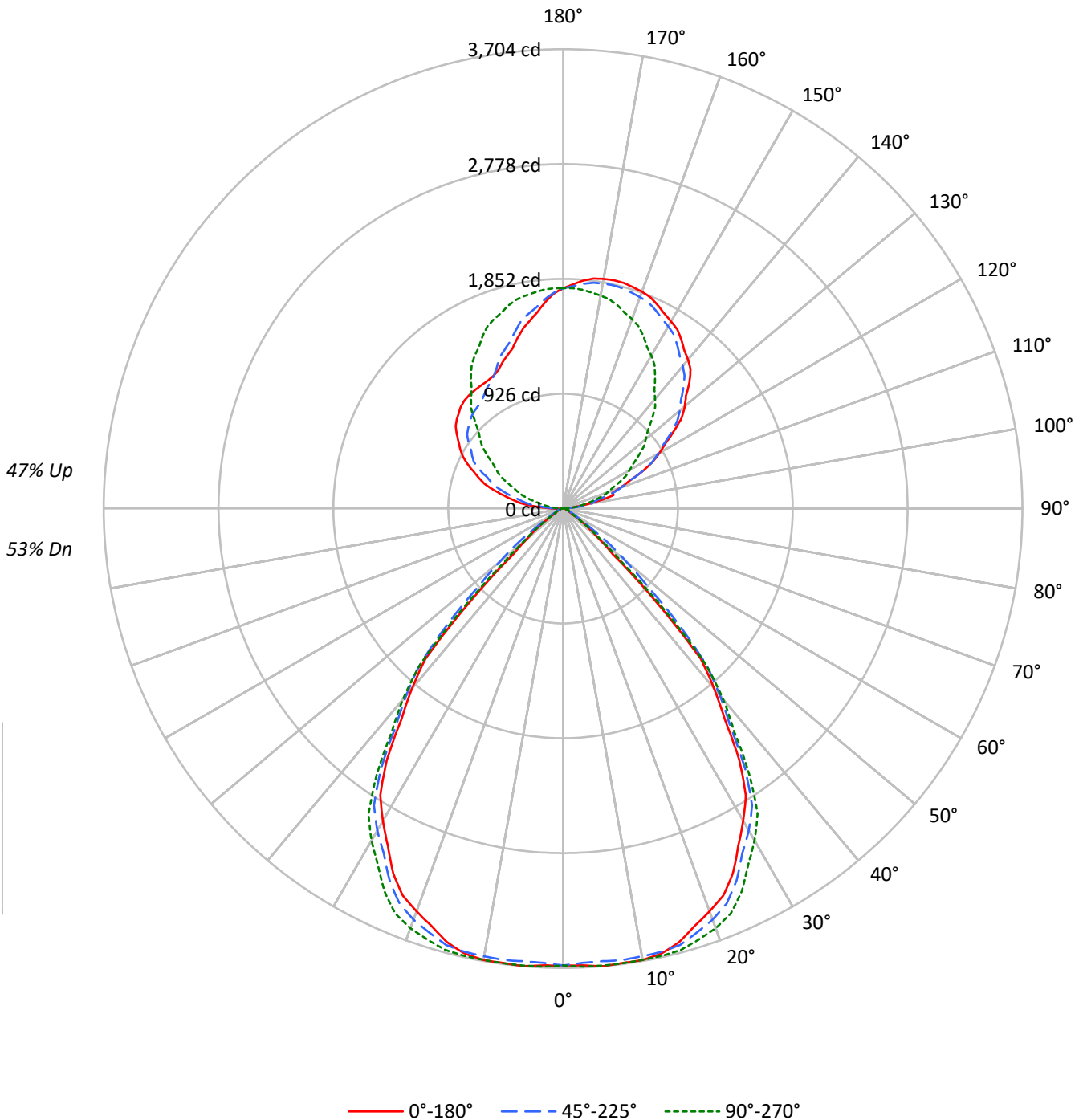
Input Watts (W): 93.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	93	90	93	90	87	85	77	75	73	65	64	63	55	54	53	48
2	93	87	82	77	86	81	76	73	70	67	64	60	58	56	51	49	48	43
3	86	78	72	67	80	73	68	63	64	60	56	55	52	50	47	45	43	39
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	41	39	36
5	74	64	57	52	69	60	54	49	53	48	44	46	43	40	40	37	35	32
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	34	32	30
7	64	53	46	41	60	50	44	39	45	40	36	39	36	33	34	32	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	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	39	33	29	35	31	27	32	28	25	28	25	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	59473	59473	59473	59473	59473
5°	60026	59373	59940	59373	60026
10°	60599	60096	60581	60096	60599
15°	60495	60887	61553	60887	60495
20°	59369	60596	61855	60596	59369
25°	57774	58945	60690	58945	57774
30°	54178	55849	57586	55849	54178
35°	48846	50424	51637	50424	48846
40°	39943	41454	42392	41454	39943
45°	24048	29938	26508	29938	24048
50°	9367	16631	10482	16631	9367
55°	5025	7537	5084	7537	5025
60°	2183	3726	2386	3726	2183
65°	2059	2279	2139	2279	2059
70°	1945	2146	2096	2146	1945
75°	1847	2049	2040	2049	1847
80°	1767	1976	1962	1976	1767
85°	1760	1778	1760	1778	1760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 30150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.0	3.2
10°-20°	1028.8	9.4
20°-30°	1520.9	13.9
30°-40°	1571.5	14.4
40°-50°	945.6	8.6
50°-60°	227.0	2.1
60°-70°	62.0	0.6
70°-80°	34.6	0.3
80°-90°	18.2	0.2
90°-100°	141.0	1.3
100°-110°	411.6	3.8
110°-120°	672.3	6.1
120°-130°	853.9	7.8
130°-140°	913.7	8.3
140°-150°	853.2	7.8
150°-160°	702.2	6.4
160°-170°	471.0	4.3
170°-180°	167.2	1.5
0°-30°	2901.6	26.5
0°-40°	4473.1	40.9
0°-60°	5645.7	51.6
0°-90°	5760.6	52.6
90°-120°	1224.9	11.2
90°-150°	3845.7	35.1
90°-180°	5186.0	47.4
0°-180°	10946.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3684	3684	3684	3684	3684	
5°	3704	3663	3698	3663	3704	353
15°	3619	3643	3682	3643	3619	1016
25°	3243	3309	3407	3309	3243	1480
35°	2478	2558	2620	2558	2478	1520
45°	1053	1311	1161	1311	1053	828
55°	178	268	181	268	178	174
65°	54	60	56	60	54	53
75°	30	33	33	33	30	32
85°	10	10	10	10	10	11
90°	38	34	6	49	84	18
95°	41	52	55	182	252	69
105°	423	313	262	471	579	392
115°	702	696	498	745	851	688
125°	1093	1063	743	929	1046	976
135°	1442	1370	1008	1045	1165	1106
145°	1662	1607	1295	1112	1192	1040
155°	1808	1765	1533	1261	1233	834
165°	1884	1840	1696	1483	1421	532
175°	1845	1818	1771	1692	1669	177
180°	1776	1776	1776	1776	1776	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5
2.5°	3686.9	3689.5	3692.1	3681.5	3666.5	3665.4	3678.1	3688.8	3692.9	3697.0	3692.9
5°	3703.6	3704.5	3705.4	3688.4	3665.4	3661.2	3675.7	3688.0	3693.1	3698.3	3693.1
7.5°	3695.3	3699.0	3702.7	3690.3	3672.5	3669.8	3682.2	3692.2	3694.9	3697.7	3694.9
10°	3696.2	3697.6	3699.0	3684.9	3665.7	3665.4	3684.2	3697.9	3696.5	3695.1	3696.5
12.5°	3674.2	3677.9	3681.5	3672.2	3658.6	3664.2	3689.0	3706.0	3699.7	3693.4	3699.7
15°	3619.1	3626.1	3633.1	3634.6	3634.1	3651.0	3685.3	3707.8	3695.1	3682.4	3695.1
17.5°	3528.0	3536.9	3545.8	3557.7	3570.6	3599.2	3643.6	3673.1	3657.7	3642.3	3657.7
20°	3455.3	3464.2	3473.2	3489.8	3509.1	3544.3	3595.5	3630.1	3615.1	3600.0	3615.1
22.5°	3376.7	3384.1	3391.6	3408.1	3427.8	3466.0	3522.8	3561.9	3548.0	3534.1	3548.0
25°	3243.0	3247.2	3251.4	3268.0	3288.7	3328.8	3388.4	3430.2	3418.5	3406.7	3418.5
27.5°	3061.5	3068.7	3076.0	3092.9	3113.1	3150.5	3205.2	3244.9	3239.9	3235.0	3239.9
30°	2906.0	2919.6	2933.3	2954.6	2978.6	3012.6	3056.7	3089.7	3089.2	3088.8	3089.2
32.5°	2742.9	2759.9	2776.9	2799.1	2823.1	2852.0	2886.0	2912.3	2915.6	2918.9	2915.6
35°	2478.2	2491.8	2505.4	2525.0	2546.6	2569.9	2594.8	2614.1	2616.9	2619.8	2616.9
37.5°	2141.0	2154.7	2168.4	2185.8	2204.4	2225.6	2249.3	2267.3	2267.7	2268.2	2267.7
40°	1895.1	1903.5	1912.0	1931.7	1955.2	1978.4	2001.4	2017.9	2014.6	2011.3	2014.6
42.5°	1643.3	1648.7	1654.2	1674.8	1700.5	1723.4	1743.4	1752.3	1728.0	1703.7	1728.0
45°	1053.2	1141.0	1228.8	1273.3	1303.3	1319.0	1320.4	1303.7	1232.3	1160.9	1232.3
47.5°	545.3	631.3	717.3	808.8	902.1	924.0	874.4	818.0	741.0	664.0	741.0
50°	372.9	406.7	440.5	535.6	651.1	673.1	601.8	533.7	475.5	417.3	475.5
52.5°	278.2	294.8	311.3	385.1	478.1	488.2	415.3	353.5	325.0	296.4	325.0
55°	178.5	185.6	192.6	225.4	266.7	268.8	231.7	201.3	191.0	180.6	191.0
57.5°	109.9	119.1	128.3	142.5	158.5	158.6	143.0	128.8	119.1	109.4	119.1
60°	67.6	76.1	84.5	98.6	114.6	116.2	103.5	91.8	82.9	73.9	82.9
62.5°	60.8	64.0	67.2	77.5	90.0	91.1	80.7	72.1	68.8	65.5	68.8
65°	53.9	54.8	55.8	57.4	59.3	60.0	59.5	58.8	57.4	56.0	57.4
67.5°	46.3	47.7	49.1	49.8	50.3	50.7	51.2	51.3	50.4	49.4	50.4
70°	41.2	42.6	44.0	44.7	45.2	45.7	46.1	46.2	45.3	44.4	45.3
72.5°	37.0	38.0	39.0	39.6	40.1	40.6	41.1	41.2	40.2	39.3	40.2
75°	29.6	30.5	31.5	32.0	32.5	33.2	34.2	34.6	33.7	32.7	33.7
77.5°	23.2	24.2	25.1	25.6	26.0	26.4	26.9	27.0	26.2	25.4	26.2
80°	19.0	20.0	20.9	21.1	21.1	21.4	21.8	22.1	21.6	21.1	21.6
82.5°	14.8	15.4	15.9	16.1	16.1	16.3	16.8	17.1	17.0	16.9	17.0
85°	9.5	9.5	9.5	9.5	9.5	9.7	10.2	10.4	10.0	9.5	10.0
87.5°	10.1	10.5	10.7	10.8	10.1	10.1	9.5	7.8	6.1	4.6	5.9
90°	38.0	38.0	37.0	37.0	33.8	33.8	30.6	22.2	13.7	6.3	12.7
92.5°	45.7	45.7	44.6	43.8	41.4	38.0	31.5	31.5	29.8	19.0	34.7
95°	41.2	41.2	40.2	41.2	45.4	58.1	84.5	93.0	63.4	55.0	79.3
97.5°	96.4	99.3	109.5	128.1	161.3	167.2	158.9	118.4	114.8	110.5	145.0
100°	190.2	196.6	209.3	226.2	265.3	210.3	164.9	164.9	155.4	151.1	188.1
102.5°	306.1	309.0	322.5	324.2	259.3	229.8	218.1	213.9	195.9	193.4	237.2
105°	422.7	400.5	351.9	316.0	312.8	312.8	311.8	292.7	267.4	262.1	307.5
107.5°	414.7	409.0	411.7	415.5	420.4	424.2	413.2	381.7	340.1	333.7	377.1
110°	492.5	485.1	490.4	496.7	499.9	502.0	480.9	437.5	394.2	383.6	422.7

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	572.0	568.8	569.0	577.9	577.7	577.2	550.2	497.6	445.8	428.4	465.8
115°	701.7	696.4	688.0	698.6	700.7	692.2	655.2	593.9	529.5	497.8	533.7
117.5°	813.8	812.1	814.6	818.8	815.9	802.8	755.2	685.9	614.4	571.3	596.7
120°	898.3	894.1	898.3	902.5	896.2	872.9	825.4	753.5	671.1	620.4	637.3
122.5°	979.5	978.6	977.8	972.7	973.1	946.5	891.3	816.1	731.1	669.4	675.3
125°	1092.8	1097.0	1091.7	1085.4	1078.0	1048.4	990.2	913.1	816.9	742.9	735.5
127.5°	1207.3	1207.9	1197.6	1191.5	1178.8	1144.5	1085.8	1009.9	905.9	821.8	795.4
130°	1280.9	1279.8	1270.3	1260.8	1243.9	1212.2	1150.9	1071.6	970.2	870.8	835.9
132.5°	1343.4	1344.9	1333.7	1325.9	1304.8	1271.4	1215.1	1136.7	1028.5	924.9	879.9
135°	1441.5	1443.6	1429.9	1411.9	1387.6	1352.7	1305.2	1230.1	1122.3	1008.2	949.0
137.5°	1521.6	1520.1	1506.6	1490.3	1468.8	1431.4	1387.6	1313.4	1212.2	1098.2	1015.2
140°	1567.3	1568.3	1555.6	1537.7	1518.7	1483.8	1438.3	1367.5	1267.1	1154.0	1068.4
142.5°	1606.2	1608.1	1598.8	1583.3	1560.9	1530.3	1489.9	1420.8	1322.1	1209.8	1117.5
145°	1662.4	1666.6	1658.2	1644.4	1623.3	1590.5	1556.7	1489.1	1398.2	1294.6	1194.2
147.5°	1713.7	1716.1	1709.3	1700.0	1678.4	1647.2	1615.9	1553.5	1468.1	1372.0	1270.1
150°	1741.6	1749.0	1740.6	1732.1	1713.1	1679.3	1653.9	1591.6	1515.5	1423.5	1324.2
152.5°	1771.2	1777.8	1769.3	1760.0	1741.0	1708.9	1685.2	1623.7	1553.5	1467.5	1375.8
155°	1808.2	1816.7	1810.3	1799.8	1780.7	1750.1	1726.8	1670.8	1607.4	1533.4	1447.8
157.5°	1842.5	1848.6	1843.1	1833.4	1809.9	1785.0	1760.7	1712.5	1655.4	1590.9	1516.3
160°	1861.1	1866.3	1860.0	1849.4	1825.1	1801.9	1781.8	1735.3	1682.5	1626.4	1557.8
162.5°	1872.1	1879.9	1873.5	1862.1	1837.8	1817.1	1797.9	1754.7	1707.0	1654.3	1595.0
165°	1884.3	1893.8	1886.4	1874.8	1848.4	1831.5	1816.7	1778.6	1737.4	1696.2	1645.5
167.5°	1886.0	1894.7	1887.9	1878.2	1852.0	1837.6	1826.0	1794.3	1759.4	1726.8	1684.8
170°	1880.1	1889.6	1885.4	1874.8	1849.4	1836.8	1829.4	1801.9	1771.2	1743.8	1711.0
172.5°	1870.8	1879.4	1874.4	1866.3	1841.0	1831.7	1826.8	1803.6	1778.8	1757.3	1732.1
175°	1845.2	1854.7	1849.4	1844.2	1820.9	1815.6	1816.7	1802.9	1786.0	1771.2	1755.4
177.5°	1808.6	1815.4	1811.2	1808.6	1794.3	1793.4	1798.5	1791.7	1784.1	1778.2	1771.4
180°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5	3683.5
2.5°	3688.8	3678.1	3665.4	3666.5	3681.5	3692.1	3689.5	3686.9
5°	3688.0	3675.7	3661.2	3665.4	3688.4	3705.4	3704.5	3703.6
7.5°	3692.2	3682.2	3669.8	3672.5	3690.3	3702.7	3699.0	3695.3
10°	3697.9	3684.2	3665.4	3665.7	3684.9	3699.0	3697.6	3696.2
12.5°	3706.0	3689.0	3664.2	3658.6	3672.2	3681.5	3677.9	3674.2
15°	3707.8	3685.3	3651.0	3634.1	3634.6	3633.1	3626.1	3619.1
17.5°	3673.1	3643.6	3599.2	3570.6	3557.7	3545.8	3536.9	3528.0
20°	3630.1	3595.5	3544.3	3509.1	3489.8	3473.2	3464.2	3455.3
22.5°	3561.9	3522.8	3466.0	3427.8	3408.1	3391.6	3384.1	3376.7
25°	3430.2	3388.4	3328.8	3288.7	3268.0	3251.4	3247.2	3243.0
27.5°	3244.9	3205.2	3150.5	3113.1	3092.9	3076.0	3068.7	3061.5
30°	3089.7	3056.7	3012.6	2978.6	2954.6	2933.3	2919.6	2906.0
32.5°	2912.3	2886.0	2852.0	2823.1	2799.1	2776.9	2759.9	2742.9
35°	2614.1	2594.8	2569.9	2546.6	2525.0	2505.4	2491.8	2478.2
37.5°	2267.3	2249.3	2225.6	2204.4	2185.8	2168.4	2154.7	2141.0
40°	2017.9	2001.4	1978.4	1955.2	1931.7	1912.0	1903.5	1895.1
42.5°	1752.3	1743.4	1723.4	1700.5	1674.8	1654.2	1648.7	1643.3
45°	1303.7	1320.4	1319.0	1303.3	1273.3	1228.8	1141.0	1053.2
47.5°	818.0	874.4	924.0	902.1	808.8	717.3	631.3	545.3
50°	533.7	601.8	673.1	651.1	535.6	440.5	406.7	372.9
52.5°	353.5	415.3	488.2	478.1	385.1	311.3	294.8	278.2
55°	201.3	231.7	268.8	266.7	225.4	192.6	185.6	178.5
57.5°	128.8	143.0	158.6	158.5	142.5	128.3	119.1	109.9
60°	91.8	103.5	116.2	114.6	98.6	84.5	76.1	67.6
62.5°	72.1	80.7	91.1	90.0	77.5	67.2	64.0	60.8
65°	58.8	59.5	60.0	59.3	57.4	55.8	54.8	53.9
67.5°	51.3	51.2	50.7	50.3	49.8	49.1	47.7	46.3
70°	46.2	46.1	45.7	45.2	44.7	44.0	42.6	41.2
72.5°	41.2	41.1	40.6	40.1	39.6	39.0	38.0	37.0
75°	34.6	34.2	33.2	32.5	32.0	31.5	30.5	29.6
77.5°	27.0	26.9	26.4	26.0	25.6	25.1	24.2	23.2
80°	22.1	21.8	21.4	21.1	21.1	20.9	20.0	19.0
82.5°	17.1	16.8	16.3	16.1	16.1	15.9	15.4	14.8
85°	10.4	10.2	9.7	9.5	9.5	9.5	9.5	9.5
87.5°	7.4	9.5	11.8	14.4	16.7	17.9	19.0	19.4
90°	20.1	30.6	42.3	55.0	66.6	72.9	80.3	84.5
92.5°	48.8	65.3	85.4	104.8	121.5	131.3	137.8	139.5
95°	115.2	138.4	165.9	197.6	215.6	234.6	248.4	251.5
97.5°	177.8	219.4	257.7	286.0	314.3	335.0	348.1	352.3
100°	225.1	268.4	316.0	347.7	379.4	398.4	417.4	413.2
102.5°	279.2	320.0	368.4	406.0	443.7	466.9	480.9	487.6
105°	357.2	404.8	446.0	495.6	527.4	554.8	574.9	579.1
107.5°	430.3	484.9	526.3	573.4	611.3	635.6	656.3	663.3
110°	481.9	539.0	589.7	626.7	663.7	692.2	711.2	720.8

TEST NUMBER: P709396

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	528.4	586.3	643.8	685.9	725.4	751.4	770.4	780.8
115°	595.0	657.3	713.4	775.7	809.5	831.7	845.5	850.7
117.5°	656.1	719.5	779.9	837.4	878.2	893.0	903.8	910.1
120°	693.3	756.7	818.0	872.9	916.3	939.5	951.1	957.5
122.5°	727.9	792.2	852.6	907.6	950.9	977.6	992.6	997.2
125°	779.9	844.4	904.6	954.3	997.6	1027.2	1044.1	1046.3
127.5°	827.5	883.3	948.8	1001.0	1041.8	1069.3	1084.7	1091.1
130°	857.1	907.8	973.3	1027.2	1066.3	1098.0	1111.8	1118.1
132.5°	887.5	930.6	991.9	1048.4	1090.8	1119.2	1133.8	1140.1
135°	937.4	962.8	1016.7	1073.7	1116.0	1144.5	1159.3	1164.6
137.5°	993.2	999.3	1034.8	1088.3	1133.3	1161.0	1173.1	1179.8
140°	1030.4	1027.2	1048.4	1095.9	1139.3	1167.8	1181.5	1185.8
142.5°	1070.1	1057.7	1067.8	1103.5	1143.5	1170.3	1184.9	1189.1
145°	1132.9	1107.5	1102.3	1122.3	1148.8	1174.1	1187.9	1192.1
147.5°	1201.6	1167.6	1143.1	1149.4	1162.9	1179.6	1192.5	1193.4
150°	1248.1	1209.0	1175.2	1173.1	1177.3	1188.9	1198.4	1198.4
152.5°	1298.0	1249.6	1210.7	1201.8	1198.4	1204.1	1210.3	1209.4
155°	1372.8	1320.0	1271.4	1251.3	1242.8	1236.5	1236.5	1233.3
157.5°	1445.1	1389.1	1338.6	1313.8	1297.4	1288.3	1282.8	1276.4
160°	1493.3	1437.3	1379.2	1357.0	1337.9	1326.3	1320.0	1313.6
162.5°	1536.4	1484.6	1429.9	1397.5	1381.1	1370.3	1363.1	1355.1
165°	1596.9	1551.4	1499.6	1465.8	1448.9	1435.2	1428.8	1421.4
167.5°	1649.1	1612.9	1569.0	1536.6	1524.6	1506.6	1501.5	1487.2
170°	1680.3	1651.8	1609.5	1583.1	1573.6	1559.9	1551.4	1538.7
172.5°	1707.4	1683.9	1650.1	1626.2	1625.2	1609.7	1603.0	1595.4
175°	1742.7	1727.9	1701.5	1683.5	1689.9	1682.5	1681.4	1668.7
177.5°	1765.5	1762.1	1745.2	1737.6	1742.7	1743.5	1743.5	1734.2
180°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5

(END OF REPORT)