

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: P709383

Luminaire Tested: DL2W-WB-M-100U-125D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

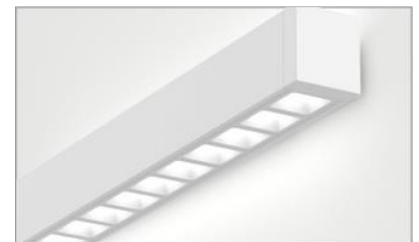
Test Information

Test Method: LM-79-2019
Report Number: P709383
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-4, 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-100U-125D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9315.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

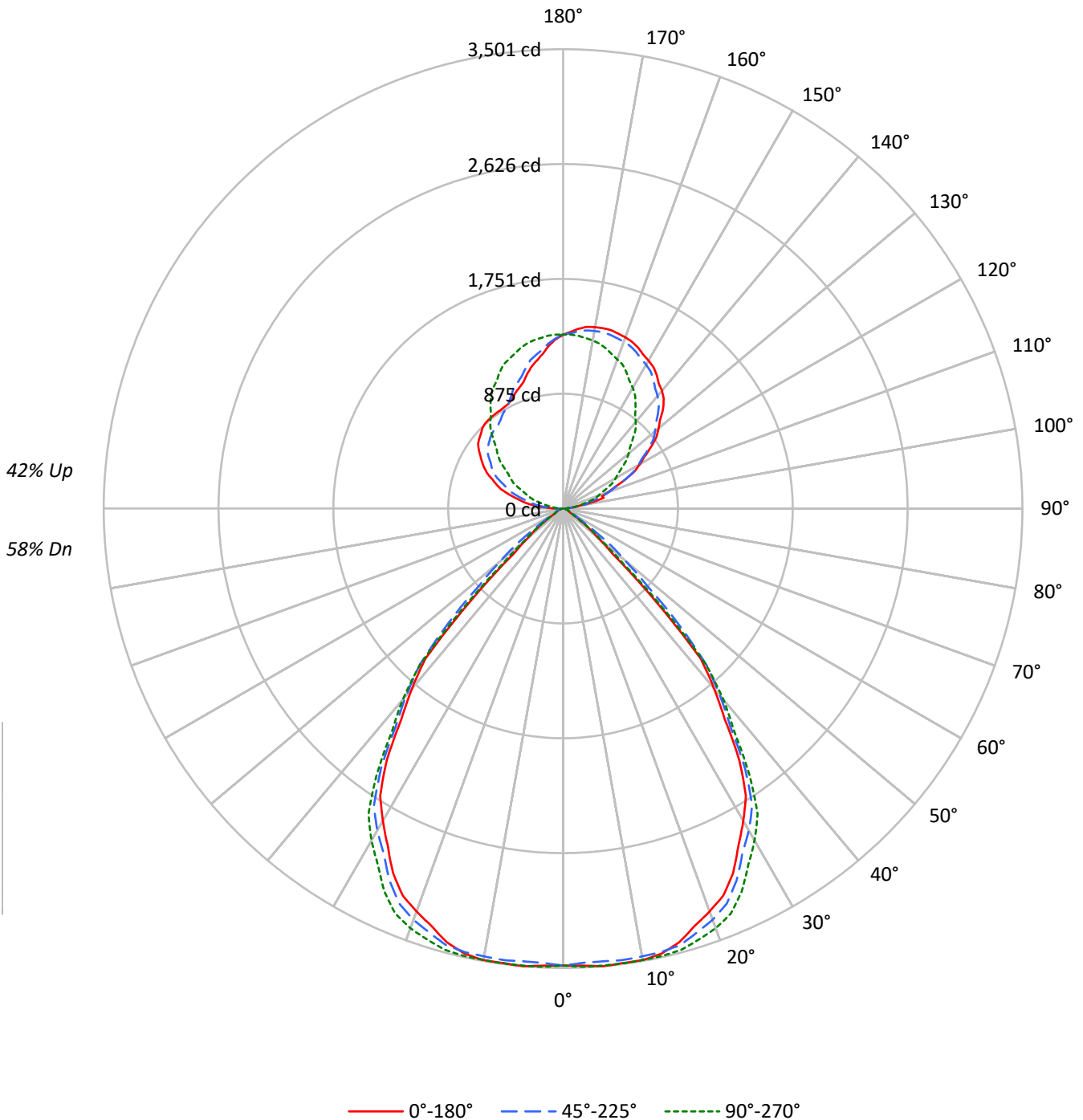
Input Watts (W): 82.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58		
1	102	98	95	92	95	92	89	87	80	78	77	70	68	67	60	59	58	53		
2	94	88	83	79	88	83	79	75	73	70	67	64	61	59	55	54	52	48		
3	88	80	74	69	82	75	70	65	67	62	59	59	56	53	51	49	47	44		
4	81	72	65	60	76	68	62	58	61	56	53	54	50	48	47	45	43	40		
5	76	66	59	53	71	62	56	51	56	51	47	49	46	43	44	41	39	36		
6	71	60	53	48	66	57	50	46	51	46	42	46	42	39	41	38	35	33		
7	66	55	48	43	62	52	46	41	47	42	38	42	38	35	38	35	32	30		
8	62	50	43	39	58	48	42	37	43	38	35	39	35	32	35	32	30	27		
9	58	46	40	35	54	44	38	34	40	35	32	36	32	29	33	30	27	25		
10	54	43	36	32	51	41	35	31	37	32	29	34	30	27	31	27	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56225	56225	56225	56225	56225
5°	56747	56131	56666	56131	56747
10°	57289	56814	57272	56814	57289
15°	57190	57561	58191	57561	57190
20°	56127	57286	58477	57286	56127
25°	54619	55726	57377	55726	54619
30°	51220	52799	54441	52799	51220
35°	46180	47671	48817	47671	46180
40°	37761	39190	40078	39190	37761
45°	22735	28303	25060	28303	22735
50°	8854	15723	9909	15723	8854
55°	4752	7125	4808	7125	4752
60°	2063	3523	2257	3523	2063
65°	1945	2153	2021	2153	1945
70°	1836	2028	1978	2028	1836
75°	1747	1937	1934	1937	1747
80°	1674	1869	1860	1869	1674
85°	1667	1686	1667	1686	1667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 28503 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	3.6
10°-20°	972.6	10.4
20°-30°	1437.8	15.4
30°-40°	1485.7	15.9
40°-50°	893.9	9.6
50°-60°	214.6	2.3
60°-70°	58.7	0.6
70°-80°	32.7	0.4
80°-90°	15.8	0.2
90°-100°	105.4	1.1
100°-110°	307.9	3.3
110°-120°	502.1	5.4
120°-130°	637.2	6.8
130°-140°	681.7	7.3
140°-150°	636.5	6.8
150°-160°	523.7	5.6
160°-170°	351.2	3.8
170°-180°	124.7	1.3
0°-30°	2743.1	29.4
0°-40°	4228.8	45.4
0°-60°	5337.4	57.3
0°-90°	5444.5	58.4
90°-120°	915.4	9.8
90°-150°	2870.9	30.8
90°-180°	3870.0	41.5
0°-180°	9315.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3482	3482	3482	3482	3482	
5°	3501	3463	3496	3463	3501	334
15°	3421	3444	3481	3444	3421	961
25°	3066	3128	3221	3128	3066	1400
35°	2343	2419	2477	2419	2343	1437
45°	996	1240	1098	1240	996	783
55°	169	253	171	253	169	164
65°	51	56	53	56	51	50
75°	28	31	31	31	28	30
85°	9	9	9	9	9	10
90°	28	26	4	36	63	13
95°	31	40	41	136	181	51
105°	321	234	196	350	434	295
115°	522	519	373	556	638	514
125°	818	796	553	694	785	729
135°	1079	1024	752	779	869	826
145°	1244	1200	964	828	888	777
155°	1353	1317	1144	940	919	623
165°	1408	1373	1264	1104	1060	397
175°	1376	1358	1322	1264	1245	132
180°	1325	1325	1325	1325	1325	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3
2.5°	3485.5	3488.0	3490.5	3480.5	3466.3	3465.2	3477.3	3487.3	3491.2	3495.1	3491.2
5°	3501.3	3502.2	3503.1	3487.0	3465.2	3461.3	3475.0	3486.5	3491.4	3496.3	3491.4
7.5°	3493.5	3497.0	3500.4	3488.7	3471.9	3469.4	3481.1	3490.6	3493.1	3495.7	3493.1
10°	3494.3	3495.6	3497.0	3483.7	3465.5	3465.2	3483.0	3496.0	3494.6	3493.3	3494.6
12.5°	3473.5	3477.0	3480.5	3471.7	3458.8	3464.1	3487.5	3503.6	3497.7	3491.7	3497.7
15°	3421.4	3428.1	3434.7	3436.1	3435.6	3451.6	3484.0	3505.3	3493.3	3481.3	3493.3
17.5°	3335.3	3343.8	3352.2	3363.4	3375.6	3402.7	3444.7	3472.5	3457.9	3443.4	3457.9
20°	3266.6	3275.1	3283.5	3299.2	3317.4	3350.7	3399.1	3431.8	3417.6	3403.4	3417.6
22.5°	3192.3	3199.3	3206.3	3222.0	3240.6	3276.7	3330.4	3367.4	3354.3	3341.1	3354.3
25°	3065.9	3069.9	3073.9	3089.5	3109.1	3147.0	3203.4	3242.9	3231.8	3220.7	3231.8
27.5°	2894.3	2901.2	2908.0	2924.0	2943.1	2978.5	3030.1	3067.7	3063.0	3058.3	3063.0
30°	2747.3	2760.2	2773.1	2793.3	2815.9	2848.1	2889.8	2921.0	2920.5	2920.1	2920.5
32.5°	2593.1	2609.2	2625.3	2646.3	2668.9	2696.3	2728.4	2753.3	2756.4	2759.5	2756.4
35°	2342.9	2355.7	2368.6	2387.1	2407.6	2429.5	2453.0	2471.4	2474.0	2476.7	2474.0
37.5°	2024.1	2037.0	2050.0	2066.4	2084.0	2104.0	2126.5	2143.4	2143.9	2144.3	2143.9
40°	1791.6	1799.6	1807.6	1826.2	1848.4	1870.4	1892.1	1907.7	1904.6	1901.5	1904.6
42.5°	1553.5	1558.7	1563.8	1583.3	1607.7	1629.3	1648.2	1656.6	1633.6	1610.6	1633.6
45°	995.7	1078.7	1161.7	1203.7	1232.1	1247.0	1248.3	1232.5	1165.0	1097.5	1165.0
47.5°	515.5	596.8	678.1	764.6	852.9	873.6	826.7	773.3	700.5	627.8	700.5
50°	352.5	384.5	416.4	506.3	615.5	636.4	568.9	504.5	449.5	394.5	449.5
52.5°	263.0	278.7	294.3	364.1	452.0	461.5	392.6	334.2	307.2	280.2	307.2
55°	168.8	175.4	182.1	213.0	252.1	254.1	219.0	190.3	180.5	170.8	180.5
57.5°	103.9	112.6	121.3	134.8	149.8	150.0	135.2	121.7	112.6	103.5	112.6
60°	63.9	71.9	79.9	93.2	108.3	109.9	97.9	86.8	78.3	69.9	78.3
62.5°	57.5	60.5	63.6	73.2	85.1	86.2	76.3	68.1	65.0	61.9	65.0
65°	50.9	51.8	52.7	54.3	56.0	56.7	56.3	55.6	54.3	52.9	54.3
67.5°	43.7	45.1	46.4	47.1	47.5	48.0	48.4	48.5	47.6	46.7	47.6
70°	38.9	40.3	41.6	42.3	42.7	43.2	43.6	43.7	42.8	41.9	42.8
72.5°	35.0	35.9	36.9	37.5	37.9	38.4	38.8	38.9	38.0	37.2	38.0
75°	28.0	28.9	29.7	30.3	30.7	31.4	32.3	32.7	31.8	31.0	31.8
77.5°	22.0	22.9	23.7	24.2	24.6	25.0	25.4	25.6	24.8	24.0	24.8
80°	18.0	18.9	19.8	20.0	20.0	20.2	20.6	20.9	20.4	20.0	20.4
82.5°	14.0	14.5	15.0	15.2	15.2	15.4	15.8	16.2	16.1	16.0	16.1
85°	9.0	9.0	9.0	9.0	9.0	9.2	9.7	9.9	9.4	9.0	9.4
87.5°	8.0	8.6	8.9	8.4	8.4	8.2	7.4	6.6	5.2	4.0	5.0
90°	28.0	29.0	29.0	26.0	26.0	25.0	21.0	17.0	10.0	4.0	9.0
92.5°	34.4	33.8	33.8	32.4	30.8	28.2	23.4	22.6	24.4	15.2	25.8
95°	31.0	31.0	30.0	30.0	35.0	44.0	65.0	71.0	46.0	41.0	59.0
97.5°	71.0	75.6	84.2	97.2	119.4	127.4	117.8	88.8	84.0	81.0	107.8
100°	135.0	146.0	157.0	170.0	197.0	161.0	125.0	120.0	112.0	113.0	143.0
102.5°	235.8	236.4	241.0	246.0	193.8	171.4	165.8	159.2	146.4	146.6	177.4
105°	321.0	300.0	262.0	236.0	232.0	236.0	236.0	221.0	195.0	196.0	228.0
107.5°	309.8	307.4	309.0	310.0	316.4	317.8	309.2	282.2	255.4	249.8	282.2
110°	365.0	365.0	369.0	370.0	378.0	373.0	362.0	327.0	293.0	285.0	315.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	425.0	425.8	427.4	432.4	436.4	429.0	411.6	373.4	334.6	318.6	347.8
115°	522.0	521.0	521.0	525.0	523.0	515.0	489.0	445.0	395.0	373.0	398.0
117.5°	614.2	609.2	610.4	608.8	611.8	595.8	565.2	511.4	457.8	427.2	445.6
120°	675.0	670.0	672.0	672.0	671.0	651.0	614.0	561.0	501.0	464.0	476.0
122.5°	734.2	730.8	731.2	728.8	726.2	707.0	663.6	608.2	542.6	496.8	504.0
125°	818.0	820.0	814.0	814.0	805.0	786.0	740.0	681.0	610.0	553.0	549.0
127.5°	897.2	900.0	894.0	890.4	883.4	854.8	812.8	753.6	677.4	610.4	594.4
130°	950.0	952.0	950.0	940.0	929.0	902.0	860.0	804.0	723.0	652.0	624.0
132.5°	1002.8	1007.2	997.2	989.6	973.0	945.2	904.0	849.6	768.6	691.2	656.0
135°	1079.0	1076.0	1066.0	1054.0	1037.0	1010.0	972.0	915.0	838.0	752.0	707.0
137.5°	1135.4	1135.8	1126.0	1112.8	1095.4	1070.2	1034.2	980.6	902.2	818.0	760.2
140°	1173.0	1171.0	1162.0	1148.0	1133.0	1107.0	1075.0	1023.0	943.0	862.0	797.0
142.5°	1199.4	1201.4	1194.0	1182.4	1165.0	1142.2	1109.4	1057.4	987.0	902.8	834.6
145°	1244.0	1244.0	1237.0	1229.0	1213.0	1187.0	1162.0	1111.0	1044.0	964.0	889.0
147.5°	1280.4	1281.0	1276.6	1267.2	1251.6	1229.2	1204.0	1158.4	1096.2	1022.2	949.4
150°	1302.0	1305.0	1299.0	1292.0	1278.0	1254.0	1232.0	1188.0	1129.0	1063.0	987.0
152.5°	1322.8	1326.6	1321.4	1312.8	1298.8	1274.8	1256.0	1212.8	1157.8	1096.6	1023.8
155°	1353.0	1356.0	1352.0	1344.0	1328.0	1306.0	1289.0	1249.0	1200.0	1144.0	1079.0
157.5°	1375.4	1380.2	1374.4	1367.2	1350.0	1330.6	1314.6	1277.4	1233.6	1186.8	1128.8
160°	1389.0	1393.0	1388.0	1380.0	1362.0	1345.0	1329.0	1295.0	1256.0	1210.0	1160.0
162.5°	1397.8	1404.2	1398.4	1389.6	1370.8	1354.6	1341.0	1308.6	1272.8	1234.0	1188.0
165°	1408.0	1413.0	1408.0	1399.0	1380.0	1366.0	1355.0	1327.0	1296.0	1264.0	1225.0
167.5°	1408.0	1414.2	1409.4	1401.6	1381.6	1370.8	1362.4	1339.0	1313.2	1286.6	1257.6
170°	1404.0	1411.0	1407.0	1400.0	1380.0	1370.0	1364.0	1343.0	1322.0	1301.0	1276.0
172.5°	1396.8	1403.8	1399.0	1392.8	1372.8	1366.0	1362.4	1345.4	1327.6	1310.6	1290.4
175°	1376.0	1385.0	1382.0	1375.0	1360.0	1355.0	1356.0	1344.0	1332.0	1322.0	1309.0
177.5°	1348.2	1354.6	1351.4	1349.8	1337.8	1336.2	1341.8	1336.2	1330.6	1326.6	1321.0
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3	3482.3
2.5°	3487.3	3477.3	3465.2	3466.3	3480.5	3490.5	3488.0	3485.5
5°	3486.5	3475.0	3461.3	3465.2	3487.0	3503.1	3502.2	3501.3
7.5°	3490.6	3481.1	3469.4	3471.9	3488.7	3500.4	3497.0	3493.5
10°	3496.0	3483.0	3465.2	3465.5	3483.7	3497.0	3495.6	3494.3
12.5°	3503.6	3487.5	3464.1	3458.8	3471.7	3480.5	3477.0	3473.5
15°	3505.3	3484.0	3451.6	3435.6	3436.1	3434.7	3428.1	3421.4
17.5°	3472.5	3444.7	3402.7	3375.6	3363.4	3352.2	3343.8	3335.3
20°	3431.8	3399.1	3350.7	3317.4	3299.2	3283.5	3275.1	3266.6
22.5°	3367.4	3330.4	3276.7	3240.6	3222.0	3206.3	3199.3	3192.3
25°	3242.9	3203.4	3147.0	3109.1	3089.5	3073.9	3069.9	3065.9
27.5°	3067.7	3030.1	2978.5	2943.1	2924.0	2908.0	2901.2	2894.3
30°	2921.0	2889.8	2848.1	2815.9	2793.3	2773.1	2760.2	2747.3
32.5°	2753.3	2728.4	2696.3	2668.9	2646.3	2625.3	2609.2	2593.1
35°	2471.4	2453.0	2429.5	2407.6	2387.1	2368.6	2355.7	2342.9
37.5°	2143.4	2126.5	2104.0	2084.0	2066.4	2050.0	2037.0	2024.1
40°	1907.7	1892.1	1870.4	1848.4	1826.2	1807.6	1799.6	1791.6
42.5°	1656.6	1648.2	1629.3	1607.7	1583.3	1563.8	1558.7	1553.5
45°	1232.5	1248.3	1247.0	1232.1	1203.7	1161.7	1078.7	995.7
47.5°	773.3	826.7	873.6	852.9	764.6	678.1	596.8	515.5
50°	504.5	568.9	636.4	615.5	506.3	416.4	384.5	352.5
52.5°	334.2	392.6	461.5	452.0	364.1	294.3	278.7	263.0
55°	190.3	219.0	254.1	252.1	213.0	182.1	175.4	168.8
57.5°	121.7	135.2	150.0	149.8	134.8	121.3	112.6	103.9
60°	86.8	97.9	109.9	108.3	93.2	79.9	71.9	63.9
62.5°	68.1	76.3	86.2	85.1	73.2	63.6	60.5	57.5
65°	55.6	56.3	56.7	56.0	54.3	52.7	51.8	50.9
67.5°	48.5	48.4	48.0	47.5	47.1	46.4	45.1	43.7
70°	43.7	43.6	43.2	42.7	42.3	41.6	40.3	38.9
72.5°	38.9	38.8	38.4	37.9	37.5	36.9	35.9	35.0
75°	32.7	32.3	31.4	30.7	30.3	29.7	28.9	28.0
77.5°	25.6	25.4	25.0	24.6	24.2	23.7	22.9	22.0
80°	20.9	20.6	20.2	20.0	20.0	19.8	18.9	18.0
82.5°	16.2	15.8	15.4	15.2	15.2	15.0	14.5	14.0
85°	9.9	9.7	9.2	9.0	9.0	9.0	9.0	9.0
87.5°	6.4	7.8	9.4	11.6	13.2	14.3	14.6	15.0
90°	16.0	23.0	31.0	42.0	50.0	56.0	59.0	63.0
92.5°	36.8	51.0	62.2	75.6	90.0	97.6	102.2	103.8
95°	85.0	103.0	126.0	146.0	164.0	176.0	183.0	181.0
97.5°	131.8	165.4	191.6	214.8	235.8	250.2	261.6	260.6
100°	171.0	199.0	234.0	262.0	283.0	299.0	312.0	315.0
102.5°	210.2	236.6	274.8	306.0	330.2	347.8	357.6	367.0
105°	265.0	302.0	331.0	369.0	394.0	417.0	424.0	434.0
107.5°	322.4	363.0	395.2	426.8	456.4	475.6	490.6	498.6
110°	360.0	399.0	440.0	470.0	498.0	518.0	533.0	541.0

TEST NUMBER: P709383

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	393.6	436.6	480.8	514.0	539.6	562.8	575.4	584.2
115°	443.0	490.0	534.0	577.0	602.0	620.0	631.0	638.0
117.5°	488.2	537.2	580.0	623.4	654.6	667.8	672.0	677.2
120°	517.0	566.0	608.0	649.0	685.0	699.0	708.0	714.0
122.5°	542.6	591.6	636.0	674.6	709.0	728.6	739.2	746.8
125°	582.0	628.0	674.0	715.0	743.0	764.0	778.0	785.0
127.5°	615.2	659.4	706.6	746.0	776.2	798.4	810.0	815.4
130°	640.0	677.0	725.0	766.0	797.0	820.0	830.0	833.0
132.5°	664.0	693.8	739.4	782.8	813.8	834.4	845.2	848.2
135°	701.0	718.0	758.0	800.0	832.0	853.0	863.0	869.0
137.5°	741.8	746.2	771.0	812.2	845.2	865.4	875.4	879.0
140°	769.0	767.0	783.0	817.0	850.0	871.0	881.0	883.0
142.5°	797.8	789.4	795.0	822.6	852.4	872.6	883.4	886.2
145°	846.0	828.0	821.0	835.0	857.0	874.0	886.0	888.0
147.5°	897.8	868.8	853.0	855.6	867.6	879.6	889.0	889.2
150°	933.0	900.0	877.0	874.0	878.0	886.0	893.0	894.0
152.5°	966.6	931.2	903.4	895.6	893.2	898.0	901.0	901.2
155°	1023.0	985.0	949.0	932.0	925.0	923.0	922.0	919.0
157.5°	1076.4	1036.0	996.2	977.8	966.6	960.4	955.8	952.6
160°	1110.0	1068.0	1029.0	1009.0	997.0	990.0	983.0	979.0
162.5°	1144.4	1104.8	1065.0	1041.8	1029.8	1022.0	1014.2	1007.8
165°	1190.0	1157.0	1117.0	1092.0	1077.0	1072.0	1065.0	1060.0
167.5°	1230.0	1204.4	1168.6	1145.0	1133.6	1124.4	1117.4	1108.4
170°	1254.0	1234.0	1199.0	1177.0	1172.0	1162.0	1155.0	1146.0
172.5°	1273.2	1257.2	1229.4	1211.4	1207.2	1201.2	1195.8	1188.4
175°	1299.0	1291.0	1270.0	1257.0	1257.0	1255.0	1254.0	1245.0
177.5°	1317.0	1313.0	1301.0	1294.6	1300.2	1301.8	1297.8	1290.6
180°	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0	1325.0

(END OF REPORT)