

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: P709265

Luminaire Tested: DL2W-BB-M-075U-050D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

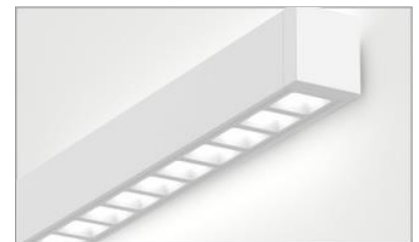
Test Information

Test Method: LM-79-2019
Report Number: P709265
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-3, G3-2104-222-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-075U-050D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4715.7 lumens
Efficiency: N/A
Efficacy: 113.1 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

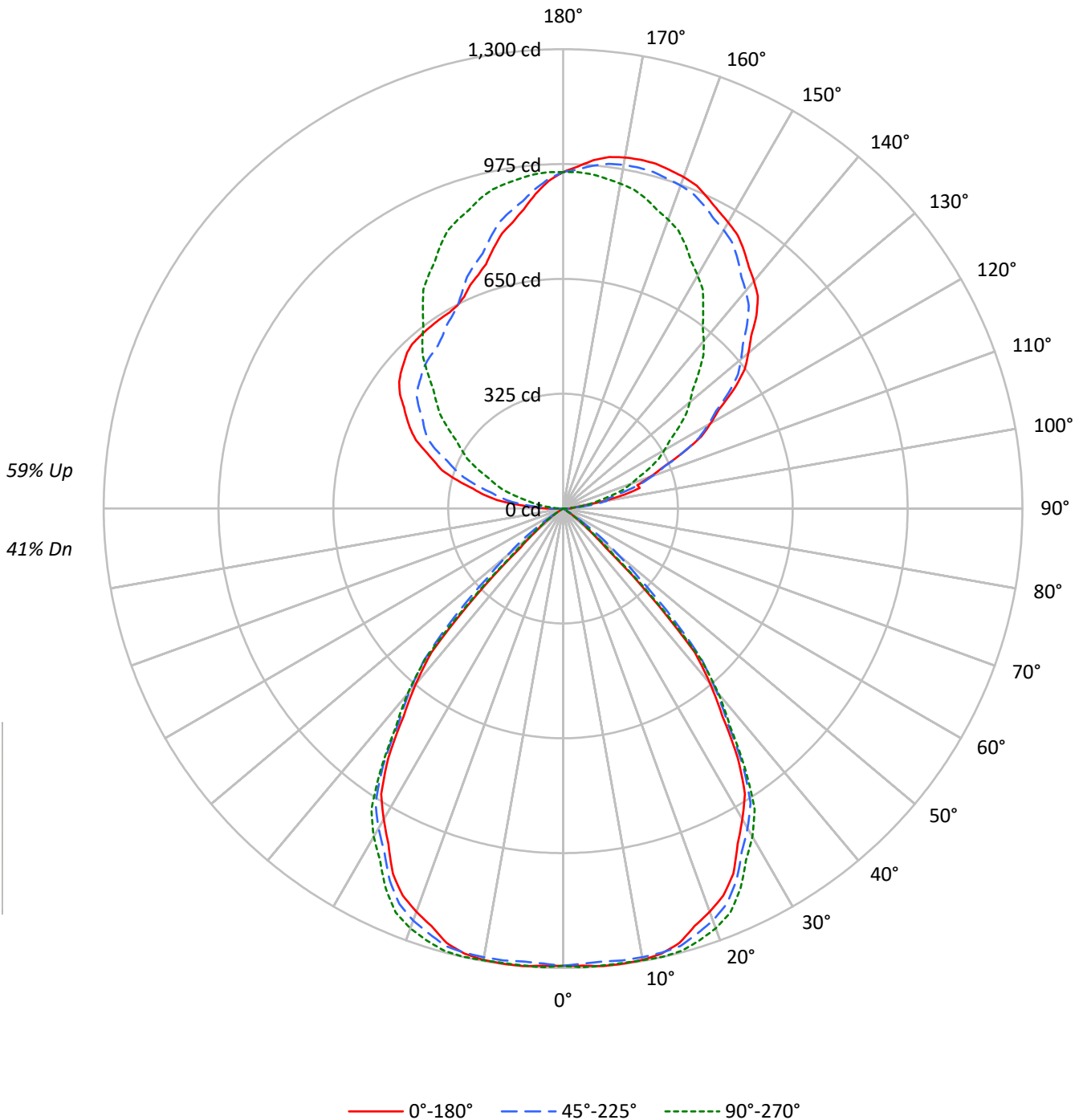
Input Watts (W): 41.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709265

CATALOG NUMBER: DL2W-BB-M-075U-050D-930-UNV-STD-W-WM-4

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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41				
1	97	94	90	88	89	86	83	81	71	69	67	57	56	55	45	44	44	38				
2	90	84	79	74	82	77	73	69	64	61	59	52	50	49	42	40	39	34				
3	83	75	69	64	76	69	64	60	58	54	51	48	45	43	38	37	36	31				
4	77	68	61	56	71	63	57	52	53	49	45	44	41	39	36	34	32	28				
5	71	61	54	49	65	57	51	46	48	44	40	40	37	35	33	31	29	26				
6	66	56	48	43	61	52	45	41	44	40	36	37	34	31	31	28	27	24				
7	62	51	44	39	57	47	41	37	41	36	32	34	31	28	28	26	24	22				
8	58	46	39	35	53	43	37	33	37	33	29	32	28	26	26	24	22	20				
9	54	43	36	31	49	40	34	30	34	30	27	29	26	24	25	22	20	18				
10	50	39	33	28	46	37	31	27	32	27	24	27	24	22	23	21	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20891	20891	20891	20891	20891
5°	21063	20852	21032	20852	21063
10°	21259	21134	21276	21134	21259
15°	21274	21426	21660	21426	21274
20°	20859	21311	21718	21311	20859
25°	20307	20687	21148	20687	20307
30°	18921	19471	19978	19471	18921
35°	17008	17503	17710	17503	17008
40°	13685	14245	14457	14245	13685
45°	7930	9994	8522	9994	7930
50°	2562	5154	2876	5154	2562
55°	1030	1814	974	1814	1030
60°	32	510	94	510	32
65°	0	27	0	27	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: 10035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	2.6
10°-20°	361.9	7.7
20°-30°	532.6	11.3
30°-40°	544.1	11.5
40°-50°	312.8	6.6
50°-60°	54.6	1.2
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	5.1	0.1
90°-100°	75.8	1.6
100°-110°	221.0	4.7
110°-120°	360.6	7.6
120°-130°	457.6	9.7
130°-140°	489.7	10.4
140°-150°	457.2	9.7
150°-160°	376.3	8.0
160°-170°	252.3	5.4
170°-180°	89.6	1.9
0°-30°	1018.1	21.6
0°-40°	1562.2	33.1
0°-60°	1929.6	40.9
0°-90°	1936.6	41.1
90°-120°	657.4	13.9
90°-150°	2062.0	43.7
90°-180°	2780.0	59.0
0°-180°	4715.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1294	1294	1294	1294	1294	
5°	1300	1287	1298	1287	1300	124
15°	1273	1282	1296	1282	1273	357
25°	1140	1161	1187	1161	1140	519
35°	863	888	898	888	863	528
45°	347	438	373	438	347	272
55°	37	64	35	64	37	37
65°	0	1	0	1	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	2
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°	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9
2.5°	1294.6	1296.0	1297.4	1293.9	1288.7	1288.4	1292.8	1296.5	1297.9	1299.2	1297.9
5°	1299.6	1300.5	1301.3	1295.5	1287.3	1285.8	1291.0	1295.1	1296.4	1297.7	1296.4
7.5°	1299.1	1300.8	1302.5	1297.6	1290.5	1288.6	1292.1	1294.9	1295.9	1296.9	1295.9
10°	1296.7	1298.5	1300.2	1295.8	1289.4	1288.7	1293.9	1297.7	1297.7	1297.7	1297.7
12.5°	1289.8	1292.2	1294.6	1291.4	1286.4	1288.1	1296.7	1302.7	1301.0	1299.2	1301.0
15°	1272.7	1275.7	1278.7	1279.1	1278.7	1284.9	1297.7	1306.0	1300.9	1295.8	1300.9
17.5°	1238.6	1243.2	1247.7	1251.9	1255.9	1266.6	1284.2	1295.6	1288.7	1281.7	1288.7
20°	1214.0	1217.9	1221.7	1227.5	1233.9	1246.7	1266.0	1278.6	1271.3	1264.0	1271.3
22.5°	1185.5	1189.7	1193.9	1199.0	1204.4	1217.2	1237.5	1251.0	1244.0	1237.1	1244.0
25°	1139.9	1142.5	1145.1	1149.9	1155.4	1167.0	1184.5	1196.5	1191.8	1187.1	1191.8
27.5°	1070.3	1074.6	1078.8	1084.2	1089.9	1100.4	1115.6	1126.5	1124.1	1121.7	1124.1
30°	1014.9	1020.9	1026.9	1033.2	1039.6	1049.2	1062.0	1071.6	1071.6	1071.6	1071.6
32.5°	957.9	963.6	969.2	976.2	983.7	991.6	999.9	1006.6	1007.9	1009.3	1007.9
35°	862.9	867.6	872.3	878.3	884.7	891.3	898.2	902.8	900.6	898.5	900.6
37.5°	740.9	744.2	747.4	753.7	761.1	768.3	775.3	780.0	778.0	775.9	778.0
40°	649.3	653.6	657.9	664.7	672.4	679.3	685.2	689.3	687.6	685.9	687.6
42.5°	551.6	557.2	562.9	570.6	579.0	586.0	591.6	593.5	584.3	575.1	584.3
45°	347.3	379.3	411.4	426.5	435.9	439.5	437.4	428.8	401.0	373.2	401.0
47.5°	163.5	195.3	227.0	258.5	289.8	295.4	275.1	252.7	223.6	194.5	223.6
50°	102.0	113.5	125.1	159.7	202.0	208.4	178.9	152.1	133.3	114.5	133.3
52.5°	68.9	74.6	80.3	106.8	140.3	142.6	113.8	90.1	81.9	73.7	81.9
55°	36.6	38.3	40.0	50.7	64.3	64.6	51.3	40.6	37.6	34.6	37.6
57.5°	14.0	16.5	19.0	23.8	29.4	29.3	23.7	18.7	15.8	12.9	15.8
60°	1.0	3.1	5.2	9.9	15.5	16.1	11.9	8.0	5.5	2.9	5.5
62.5°	0.2	0.6	1.0	4.3	8.5	8.8	5.2	2.3	1.4	0.6	1.4
65°	0.0	0.0	0.0	0.3	0.7	0.7	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°	4.2	4.2	4.0	3.8	3.8	3.7	3.1	2.3	1.3	0.6	1.3
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°	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9	1293.9
2.5°	1296.5	1292.8	1288.4	1288.7	1293.9	1297.4	1296.0	1294.6
5°	1295.1	1291.0	1285.8	1287.3	1295.5	1301.3	1300.5	1299.6
7.5°	1294.9	1292.1	1288.6	1290.5	1297.6	1302.5	1300.8	1299.1
10°	1297.7	1293.9	1288.7	1289.4	1295.8	1300.2	1298.5	1296.7
12.5°	1302.7	1296.7	1288.1	1286.4	1291.4	1294.6	1292.2	1289.8
15°	1306.0	1297.7	1284.9	1278.7	1279.1	1278.7	1275.7	1272.7
17.5°	1295.6	1284.2	1266.6	1255.9	1251.9	1247.7	1243.2	1238.6
20°	1278.6	1266.0	1246.7	1233.9	1227.5	1221.7	1217.9	1214.0
22.5°	1251.0	1237.5	1217.2	1204.4	1199.0	1193.9	1189.7	1185.5
25°	1196.5	1184.5	1167.0	1155.4	1149.9	1145.1	1142.5	1139.9
27.5°	1126.5	1115.6	1100.4	1089.9	1084.2	1078.8	1074.6	1070.3
30°	1071.6	1062.0	1049.2	1039.6	1033.2	1026.9	1020.9	1014.9
32.5°	1006.6	999.9	991.6	983.7	976.2	969.2	963.6	957.9
35°	902.8	898.2	891.3	884.7	878.3	872.3	867.6	862.9
37.5°	780.0	775.3	768.3	761.1	753.7	747.4	744.2	740.9
40°	689.3	685.2	679.3	672.4	664.7	657.9	653.6	649.3
42.5°	593.5	591.6	586.0	579.0	570.6	562.9	557.2	551.6
45°	428.8	437.4	439.5	435.9	426.5	411.4	379.3	347.3
47.5°	252.7	275.1	295.4	289.8	258.5	227.0	195.3	163.5
50°	152.1	178.9	208.4	202.0	159.7	125.1	113.5	102.0
52.5°	90.1	113.8	142.6	140.3	106.8	80.3	74.6	68.9
55°	40.6	51.3	64.6	64.3	50.7	40.0	38.3	36.6
57.5°	18.7	23.7	29.3	29.4	23.8	19.0	16.5	14.0
60°	8.0	11.9	16.1	15.5	9.9	5.2	3.1	1.0
62.5°	2.3	5.2	8.8	8.5	4.3	1.0	0.6	0.2
65°	0.0	0.3	0.7	0.7	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°	2.1	3.5	4.4	5.8	7.1	7.9	8.7	8.3
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: P709265

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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)