

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: P709274

Luminaire Tested: DL2W-BB-M-075U-125D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

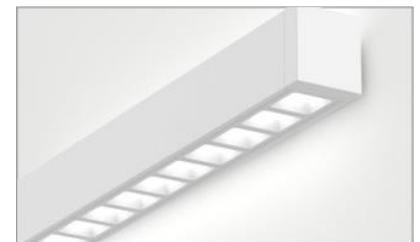
Test Information

Test Method: LM-79-2019
Report Number: P709274
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-3, G3-2104-222-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-075U-125D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7575.1 lumens
Efficiency: N/A
Efficacy: 103.2 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: Semi-Direct

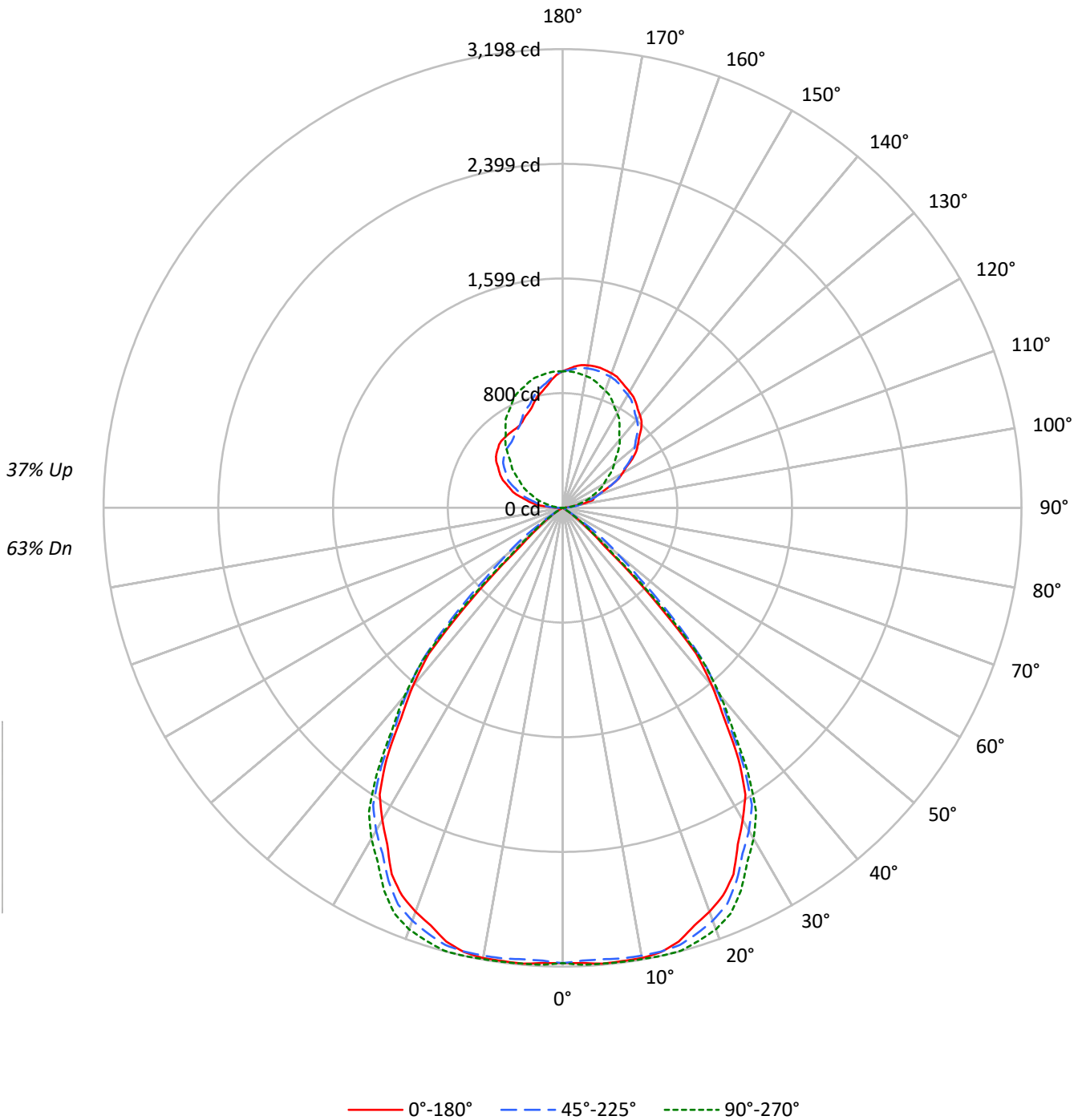
Input Watts (W): 73.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	103	100	97	94	97	94	91	89	83	81	80	73	72	71	64	63	63	58
2	96	90	85	81	90	85	81	77	76	73	70	68	65	63	60	58	57	53
3	90	82	76	71	84	78	72	68	70	66	62	62	59	57	56	53	52	48
4	83	74	68	63	79	71	65	60	64	59	56	57	54	51	52	49	47	44
5	78	68	61	56	73	65	58	54	59	54	50	53	49	46	48	45	43	40
6	73	62	55	50	68	59	53	48	54	49	45	49	45	42	44	41	39	37
7	68	57	50	45	64	55	48	44	50	45	41	45	41	38	41	38	36	33
8	63	52	46	41	60	50	44	40	46	41	37	42	38	35	38	35	33	31
9	60	49	42	37	56	47	40	36	43	38	34	39	35	32	36	33	30	28
10	56	45	38	34	53	43	37	33	40	35	31	37	33	30	34	30	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	51240	51240	51240	51240	51240
5°	51700	51200	51700	51200	51700
10°	52251	51974	52360	51974	52251
15°	52311	52745	53417	52745	52311
20°	51465	52618	53721	52618	51465
25°	50201	51119	52421	51119	50201
30°	46816	48422	49640	48422	46816
35°	42143	43396	44392	43396	42143
40°	34172	35581	36153	35581	34172
45°	19879	24875	22069	24875	19879
50°	6335	12839	7201	12839	6335
55°	2536	4472	2457	4472	2536
60°	61	1229	187	1229	61
65°	0	65	38	65	0
70°	0	40	0	40	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: 60°
 Vertical Angle: 45°
 Luminance: 25074 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	4.0
10°-20°	891.8	11.8
20°-30°	1318.0	17.4
30°-40°	1354.5	17.9
40°-50°	782.4	10.3
50°-60°	135.3	1.8
60°-70°	5.1	0.1
70°-80°	0.1	0.0
80°-90°	5.1	0.1
90°-100°	75.8	1.0
100°-110°	221.0	2.9
110°-120°	360.6	4.8
120°-130°	457.6	6.0
130°-140°	489.7	6.5
140°-150°	457.2	6.0
150°-160°	376.3	5.0
160°-170°	252.3	3.3
170°-180°	89.6	1.2
0°-30°	2513.6	33.2
0°-40°	3868.2	51.1
0°-60°	4785.8	63.2
0°-90°	4796.0	63.3
90°-120°	657.4	8.7
90°-150°	2062.0	27.2
90°-180°	2780.0	36.7
0°-180°	7575.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3174	3174	3174	3174	3174	
5°	3190	3159	3190	3159	3190	304
15°	3130	3156	3196	3156	3130	879
25°	2818	2869	2942	2869	2818	1282
35°	2138	2202	2252	2202	2138	1311
45°	871	1089	966	1089	871	677
55°	90	159	87	159	90	92
65°	0	2	1	2	0	1
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°	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6
2.5°	3175.9	3179.0	3182.1	3173.1	3160.1	3159.3	3170.5	3180.0	3184.1	3188.2	3184.1
5°	3189.9	3192.9	3195.9	3181.3	3160.8	3157.2	3170.4	3181.4	3185.7	3189.9	3185.7
7.5°	3187.0	3191.8	3196.6	3185.7	3169.6	3167.2	3178.5	3187.7	3190.3	3193.0	3190.3
10°	3187.0	3190.4	3193.9	3184.2	3170.1	3170.1	3184.2	3194.6	3194.2	3193.7	3194.2
12.5°	3172.5	3178.3	3184.1	3177.0	3165.7	3170.6	3191.8	3206.7	3202.5	3198.4	3202.5
15°	3129.5	3139.7	3150.0	3150.6	3148.0	3163.0	3195.3	3217.0	3206.3	3195.7	3206.3
17.5°	3053.6	3066.4	3079.1	3089.7	3099.5	3125.2	3166.8	3194.1	3178.8	3163.5	3178.8
20°	2995.3	3008.1	3020.8	3033.9	3047.2	3077.6	3125.4	3157.3	3142.0	3126.6	3142.0
22.5°	2924.7	2936.5	2948.2	2962.1	2976.7	3009.5	3060.7	3094.8	3078.1	3061.4	3078.1
25°	2817.9	2822.6	2827.3	2839.3	2853.8	2885.1	2933.3	2966.4	2954.5	2942.5	2954.5
27.5°	2644.6	2655.5	2666.5	2683.5	2702.5	2730.6	2767.8	2794.6	2790.3	2786.1	2790.3
30°	2511.1	2526.9	2542.6	2562.9	2584.6	2609.9	2638.9	2660.9	2661.7	2662.6	2661.7
32.5°	2371.5	2387.6	2403.7	2423.0	2443.4	2468.2	2497.5	2518.5	2514.2	2509.9	2514.2
35°	2138.1	2150.5	2162.8	2177.1	2192.0	2211.4	2235.3	2253.1	2252.6	2252.2	2252.6
37.5°	1848.4	1855.4	1862.3	1879.3	1899.6	1918.0	1934.4	1947.3	1949.4	1951.5	1949.4
40°	1621.3	1629.0	1636.7	1655.8	1678.9	1697.4	1711.5	1721.3	1718.3	1715.3	1718.3
42.5°	1380.5	1389.8	1399.2	1421.9	1449.0	1467.7	1478.0	1480.8	1461.1	1441.5	1461.1
45°	870.6	946.0	1021.4	1058.5	1082.8	1096.0	1098.1	1084.9	1025.7	966.5	1025.7
47.5°	397.1	485.7	574.2	649.5	720.3	734.8	692.8	642.8	568.7	494.5	568.7
50°	252.2	277.3	302.4	391.5	501.9	520.4	447.1	380.4	333.6	286.7	333.6
52.5°	167.8	182.4	196.9	265.7	352.6	359.5	286.6	226.3	203.9	181.6	203.9
55°	90.1	94.4	98.6	125.0	158.6	159.1	126.2	100.0	93.6	87.3	93.6
57.5°	34.1	40.6	47.1	58.4	71.4	71.2	57.8	46.0	38.9	31.8	38.9
60°	1.9	7.0	12.1	23.7	37.3	38.8	28.1	18.5	12.1	5.8	12.1
62.5°	1.2	2.2	3.2	10.9	20.8	21.2	12.3	5.2	3.5	1.9	3.5
65°	0.0	0.4	0.9	1.3	1.7	1.7	1.3	1.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.3	0.7	1.0	1.0	0.9	0.4	0.0	0.4
70°	0.0	0.0	0.0	0.3	0.7	1.0	1.0	0.9	0.4	0.0	0.4
72.5°	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.1
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°	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6	3173.6
2.5°	3180.0	3170.5	3159.3	3160.1	3173.1	3182.1	3179.0	3175.9
5°	3181.4	3170.4	3157.2	3160.8	3181.3	3195.9	3192.9	3189.9
7.5°	3187.7	3178.5	3167.2	3169.6	3185.7	3196.6	3191.8	3187.0
10°	3194.6	3184.2	3170.1	3170.1	3184.2	3193.9	3190.4	3187.0
12.5°	3206.7	3191.8	3170.6	3165.7	3177.0	3184.1	3178.3	3172.5
15°	3217.0	3195.3	3163.0	3148.0	3150.6	3150.0	3139.7	3129.5
17.5°	3194.1	3166.8	3125.2	3099.5	3089.7	3079.1	3066.4	3053.6
20°	3157.3	3125.4	3077.6	3047.2	3033.9	3020.8	3008.1	2995.3
22.5°	3094.8	3060.7	3009.5	2976.7	2962.1	2948.2	2936.5	2924.7
25°	2966.4	2933.3	2885.1	2853.8	2839.3	2827.3	2822.6	2817.9
27.5°	2794.6	2767.8	2730.6	2702.5	2683.5	2666.5	2655.5	2644.6
30°	2660.9	2638.9	2609.9	2584.6	2562.9	2542.6	2526.9	2511.1
32.5°	2518.5	2497.5	2468.2	2443.4	2423.0	2403.7	2387.6	2371.5
35°	2253.1	2235.3	2211.4	2192.0	2177.1	2162.8	2150.5	2138.1
37.5°	1947.3	1934.4	1918.0	1899.6	1879.3	1862.3	1855.4	1848.4
40°	1721.3	1711.5	1697.4	1678.9	1655.8	1636.7	1629.0	1621.3
42.5°	1480.8	1478.0	1467.7	1449.0	1421.9	1399.2	1389.8	1380.5
45°	1084.9	1098.1	1096.0	1082.8	1058.5	1021.4	946.0	870.6
47.5°	642.8	692.8	734.8	720.3	649.5	574.2	485.7	397.1
50°	380.4	447.1	520.4	501.9	391.5	302.4	277.3	252.2
52.5°	226.3	286.6	359.5	352.6	265.7	196.9	182.4	167.8
55°	100.0	126.2	159.1	158.6	125.0	98.6	94.4	90.1
57.5°	46.0	57.8	71.2	71.4	58.4	47.1	40.6	34.1
60°	18.5	28.1	38.8	37.3	23.7	12.1	7.0	1.9
62.5°	5.2	12.3	21.2	20.8	10.9	3.2	2.2	1.2
65°	1.0	1.3	1.7	1.7	1.3	0.9	0.4	0.0
67.5°	0.9	1.0	1.0	0.7	0.3	0.0	0.0	0.0
70°	0.9	1.0	1.0	0.7	0.3	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.1	0.1	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: P709274

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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)