

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: P709275

Luminaire Tested: DL2W-BB-M-075U-125D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

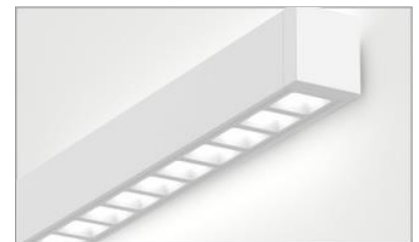
Test Information

Test Method: LM-79-2019
Report Number: P709275
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-935-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

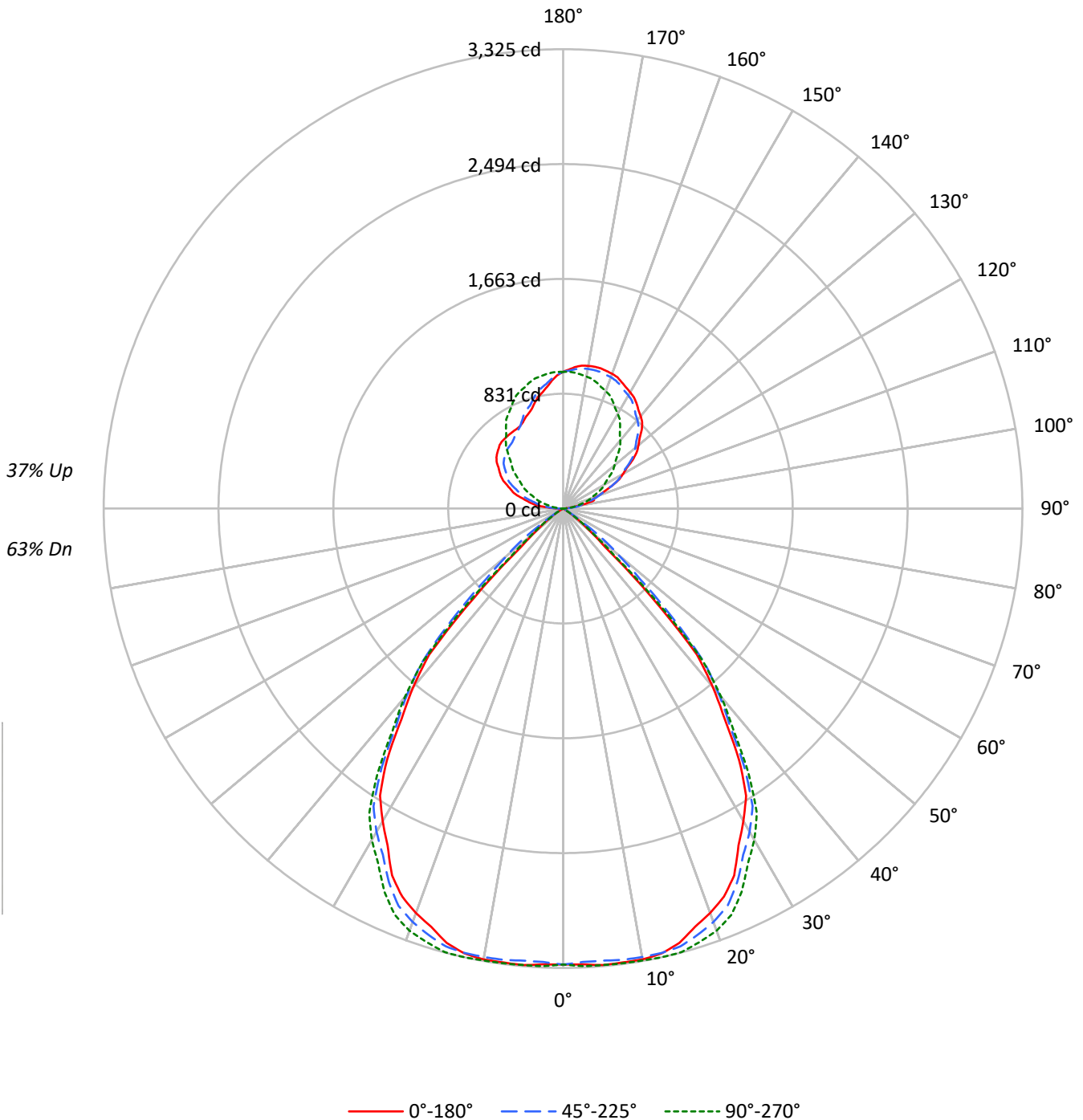
Lumens per Lamp: N/A
Luminaire Lumens: 7876.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

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				
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	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°	53276	53276	53276	53276	53276
5°	53754	53234	53754	53234	53754
10°	54326	54038	54441	54038	54326
15°	54389	54841	55539	54841	54389
20°	53508	54708	55855	54708	53508
25°	52194	53150	54503	53150	52194
30°	48675	50346	51611	50346	48675
35°	43816	45120	46156	45120	43816
40°	35529	36993	37589	36993	35529
45°	20669	25863	22946	25863	20669
50°	6586	13349	7488	13349	6586
55°	2638	4649	2553	4649	2638
60°	65	1277	194	1277	65
65°	0	69	38	69	0
70°	0	42	0	42	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: 26071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	4.0
10°-20°	927.3	11.8
20°-30°	1370.4	17.4
30°-40°	1408.3	17.9
40°-50°	813.4	10.3
50°-60°	140.7	1.8
60°-70°	5.3	0.1
70°-80°	0.1	0.0
80°-90°	5.3	0.1
90°-100°	78.8	1.0
100°-110°	229.8	2.9
110°-120°	375.0	4.8
120°-130°	475.8	6.0
130°-140°	509.1	6.5
140°-150°	475.4	6.0
150°-160°	391.2	5.0
160°-170°	262.4	3.3
170°-180°	93.2	1.2
0°-30°	2613.4	33.2
0°-40°	4021.8	51.1
0°-60°	4975.9	63.2
0°-90°	4986.5	63.3
90°-120°	683.5	8.7
90°-150°	2143.9	27.2
90°-180°	2891.0	36.7
0°-180°	7876.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3300	3300	3300	3300	3300	
5°	3317	3284	3317	3284	3317	316
15°	3254	3281	3323	3281	3254	914
25°	2930	2983	3059	2983	2930	1333
35°	2223	2289	2342	2289	2223	1363
45°	905	1133	1005	1133	905	704
55°	94	165	91	165	94	95
65°	0	2	1	2	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	2
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°	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7
2.5°	3302.1	3305.3	3308.4	3299.1	3285.7	3284.8	3296.5	3306.3	3310.6	3314.8	3310.6
5°	3316.6	3319.7	3322.8	3307.6	3286.4	3282.6	3296.3	3307.8	3312.2	3316.6	3312.2
7.5°	3313.6	3318.6	3323.5	3312.2	3295.5	3293.0	3304.8	3314.3	3317.1	3319.8	3317.1
10°	3313.6	3317.2	3320.7	3310.6	3296.0	3296.0	3310.6	3321.5	3321.0	3320.6	3321.0
12.5°	3298.5	3304.5	3310.5	3303.2	3291.4	3296.5	3318.6	3334.1	3329.7	3325.4	3329.7
15°	3253.8	3264.4	3275.1	3275.7	3273.1	3288.6	3322.3	3344.7	3333.7	3322.6	3333.7
17.5°	3174.9	3188.2	3201.4	3212.4	3222.6	3249.3	3292.6	3321.0	3305.1	3289.1	3305.1
20°	3114.2	3127.5	3140.8	3154.5	3168.2	3199.9	3249.5	3282.7	3266.8	3250.8	3266.8
22.5°	3040.9	3053.1	3065.3	3079.8	3094.9	3129.1	3182.2	3217.8	3200.4	3183.0	3200.4
25°	2929.8	2934.7	2939.6	2952.1	2967.2	2999.7	3049.8	3084.2	3071.8	3059.4	3071.8
27.5°	2749.6	2761.0	2772.5	2790.1	2809.9	2839.1	2877.7	2905.6	2901.2	2896.7	2901.2
30°	2610.8	2627.2	2643.6	2664.7	2687.3	2713.6	2743.7	2766.6	2767.4	2768.3	2767.4
32.5°	2465.7	2482.4	2499.2	2519.2	2540.4	2566.3	2596.7	2618.5	2614.1	2609.6	2614.1
35°	2223.0	2235.9	2248.7	2263.6	2279.1	2299.2	2324.1	2342.6	2342.1	2341.7	2342.1
37.5°	1921.8	1929.0	1936.3	1953.9	1975.0	1994.1	2011.2	2024.6	2026.8	2029.0	2026.8
40°	1685.7	1693.7	1701.7	1721.6	1745.5	1764.8	1779.4	1789.6	1786.5	1783.4	1786.5
42.5°	1435.3	1445.1	1454.8	1478.4	1506.5	1526.0	1536.7	1539.6	1519.2	1498.7	1519.2
45°	905.2	983.6	1062.0	1100.6	1125.8	1139.5	1141.8	1128.0	1066.4	1004.9	1066.4
47.5°	412.9	505.0	597.0	675.3	748.9	763.9	720.3	668.4	591.3	514.2	591.3
50°	262.2	288.3	314.5	407.1	521.8	541.1	464.9	395.5	346.8	298.1	346.8
52.5°	174.5	189.6	204.8	276.3	366.6	373.8	297.9	235.2	212.0	188.8	212.0
55°	93.7	98.1	102.6	129.9	164.9	165.4	131.3	104.0	97.4	90.7	97.4
57.5°	35.5	42.2	49.0	60.7	74.2	74.0	60.1	47.8	40.5	33.1	40.5
60°	2.0	7.3	12.6	24.6	38.8	40.3	29.2	19.3	12.6	6.0	12.6
62.5°	1.2	2.3	3.3	11.3	21.6	22.1	12.8	5.4	3.7	2.0	3.7
65°	0.0	0.4	0.9	1.3	1.8	1.8	1.3	1.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.3	0.8	1.0	1.0	0.9	0.4	0.0	0.4
70°	0.0	0.0	0.0	0.3	0.8	1.0	1.0	0.9	0.4	0.0	0.4
72.5°	0.0	0.0	0.0	0.1	0.2	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°	4.4	4.4	4.2	4.0	4.0	3.8	3.2	2.4	1.4	0.6	1.4
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°	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7	3299.7
2.5°	3306.3	3296.5	3284.8	3285.7	3299.1	3308.4	3305.3	3302.1
5°	3307.8	3296.3	3282.6	3286.4	3307.6	3322.8	3319.7	3316.6
7.5°	3314.3	3304.8	3293.0	3295.5	3312.2	3323.5	3318.6	3313.6
10°	3321.5	3310.6	3296.0	3296.0	3310.6	3320.7	3317.2	3313.6
12.5°	3334.1	3318.6	3296.5	3291.4	3303.2	3310.5	3304.5	3298.5
15°	3344.7	3322.3	3288.6	3273.1	3275.7	3275.1	3264.4	3253.8
17.5°	3321.0	3292.6	3249.3	3222.6	3212.4	3201.4	3188.2	3174.9
20°	3282.7	3249.5	3199.9	3168.2	3154.5	3140.8	3127.5	3114.2
22.5°	3217.8	3182.2	3129.1	3094.9	3079.8	3065.3	3053.1	3040.9
25°	3084.2	3049.8	2999.7	2967.2	2952.1	2939.6	2934.7	2929.8
27.5°	2905.6	2877.7	2839.1	2809.9	2790.1	2772.5	2761.0	2749.6
30°	2766.6	2743.7	2713.6	2687.3	2664.7	2643.6	2627.2	2610.8
32.5°	2618.5	2596.7	2566.3	2540.4	2519.2	2499.2	2482.4	2465.7
35°	2342.6	2324.1	2299.2	2279.1	2263.6	2248.7	2235.9	2223.0
37.5°	2024.6	2011.2	1994.1	1975.0	1953.9	1936.3	1929.0	1921.8
40°	1789.6	1779.4	1764.8	1745.5	1721.6	1701.7	1693.7	1685.7
42.5°	1539.6	1536.7	1526.0	1506.5	1478.4	1454.8	1445.1	1435.3
45°	1128.0	1141.8	1139.5	1125.8	1100.6	1062.0	983.6	905.2
47.5°	668.4	720.3	763.9	748.9	675.3	597.0	505.0	412.9
50°	395.5	464.9	541.1	521.8	407.1	314.5	288.3	262.2
52.5°	235.2	297.9	373.8	366.6	276.3	204.8	189.6	174.5
55°	104.0	131.3	165.4	164.9	129.9	102.6	98.1	93.7
57.5°	47.8	60.1	74.0	74.2	60.7	49.0	42.2	35.5
60°	19.3	29.2	40.3	38.8	24.6	12.6	7.3	2.0
62.5°	5.4	12.8	22.1	21.6	11.3	3.3	2.3	1.2
65°	1.0	1.3	1.8	1.8	1.3	0.9	0.4	0.0
67.5°	0.9	1.0	1.0	0.8	0.3	0.0	0.0	0.0
70°	0.9	1.0	1.0	0.8	0.3	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	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°	2.2	3.6	4.6	6.0	7.4	8.2	9.0	8.6
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: P709275

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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)