

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: P709272

Luminaire Tested: DL2W-BB-M-075U-100D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

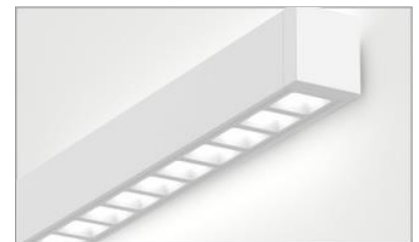
Test Information

Test Method: LM-79-2019
Report Number: P709272
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-3, G3-2104-222-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-075U-100D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6887.7 lumens
Efficiency: N/A
Efficacy: 111.6 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

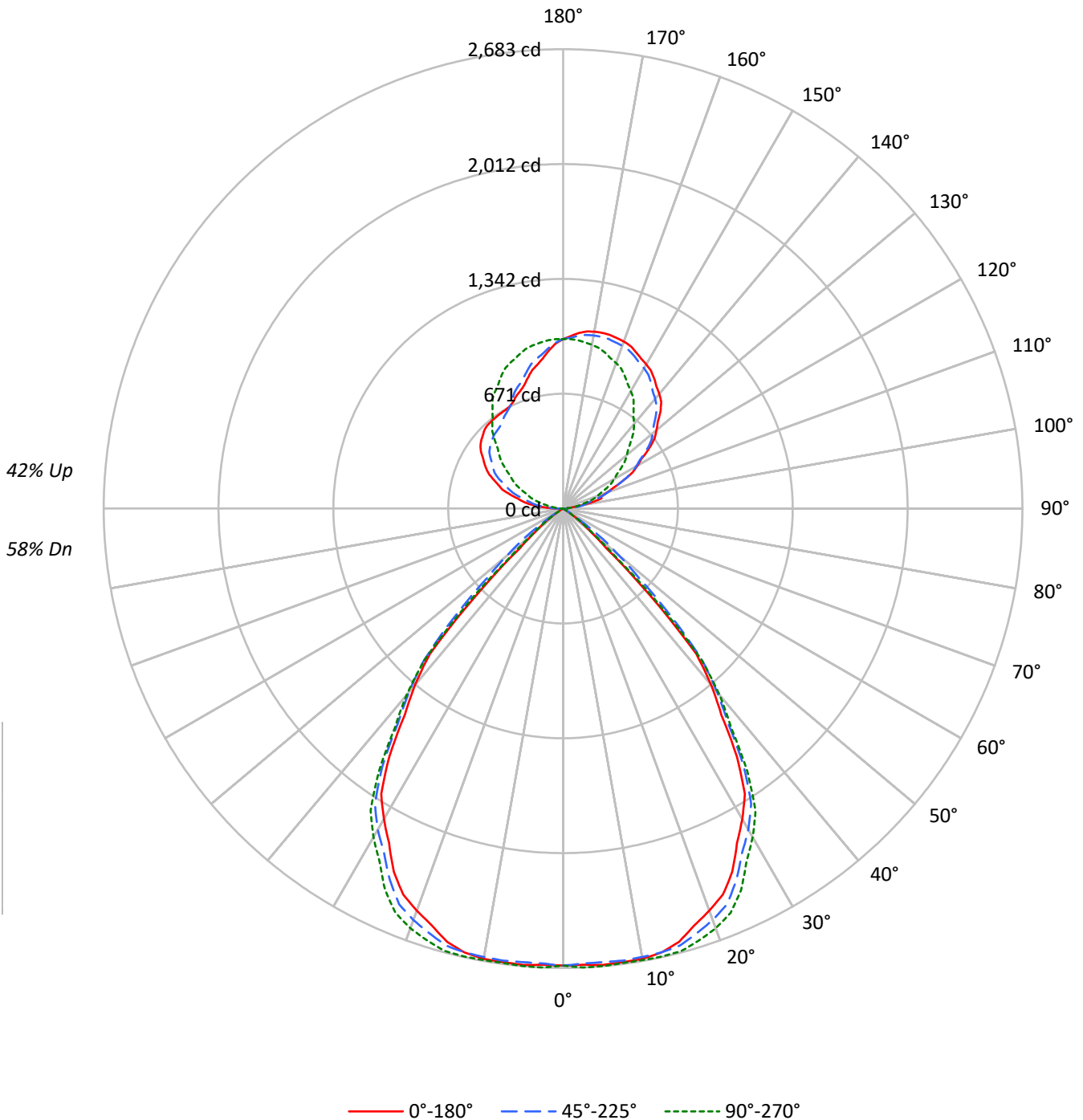
Input Watts (W): 61.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: DL2W-BB-M-075U-100D-935-UNV-STD-W-WM-4

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	95	89	84	80	89	83	79	75	73	70	68	64	62	60	55	54	53	49		
3	88	80	74	69	82	76	70	66	67	63	60	59	56	54	51	50	48	44		
4	82	73	66	61	77	69	63	58	61	57	53	54	51	48	48	45	43	40		
5	76	66	59	54	71	63	57	52	56	51	48	50	46	44	44	42	40	37		
6	71	61	54	48	67	57	51	47	52	47	43	46	42	40	41	38	36	34		
7	66	56	48	44	62	53	47	42	48	43	39	43	39	36	38	35	33	31		
8	62	51	44	39	58	49	42	38	44	39	35	40	36	33	36	33	30	28		
9	58	47	40	36	55	45	39	35	41	36	32	37	33	30	33	30	28	26		
10	55	44	37	33	52	42	36	32	38	33	30	34	31	28	31	28	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43095	43095	43095	43095	43095
5°	43357	43099	43470	43099	43357
10°	43776	43598	43891	43598	43776
15°	43779	44160	44699	44160	43779
20°	42922	43929	44812	43929	42922
25°	41671	42648	43809	42648	41671
30°	39023	40352	41297	40352	39023
35°	34889	36300	36998	36300	34889
40°	28351	29480	30016	29480	28351
45°	16395	20579	18267	20579	16395
50°	5325	10761	5827	10761	5325
55°	2083	3835	2027	3835	2083
60°	32	1058	161	1058	32
65°	0	69	0	69	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: 20660 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.1	3.7
10°-20°	746.0	10.8
20°-30°	1099.5	16.0
30°-40°	1125.9	16.3
40°-50°	648.8	9.4
50°-60°	113.5	1.6
60°-70°	4.3	0.1
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.8	1.1
100°-110°	229.8	3.3
110°-120°	375.0	5.4
120°-130°	475.8	6.9
130°-140°	509.1	7.4
140°-150°	475.4	6.9
150°-160°	391.2	5.7
160°-170°	262.4	3.8
170°-180°	93.2	1.4
0°-30°	2100.6	30.5
0°-40°	3226.5	46.8
0°-60°	3988.7	57.9
0°-90°	3998.3	58.0
90°-120°	683.5	9.9
90°-150°	2143.9	31.1
90°-180°	2891.0	42.0
0°-180°	6887.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2669	2669	2669	2669	2669	
5°	2675	2659	2682	2659	2675	255
15°	2619	2642	2674	2642	2619	735
25°	2339	2394	2459	2394	2339	1067
35°	1770	1842	1877	1842	1770	1087
45°	718	901	800	901	718	565
55°	74	136	72	136	74	76
65°	0	2	0	2	0	0
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°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2666.7	2671.0	2675.2	2669.1	2659.5	2659.3	2668.6	2676.3	2679.5	2682.7	2679.5
5°	2675.1	2679.6	2684.0	2674.4	2660.2	2658.2	2668.4	2676.8	2679.4	2682.1	2679.4
7.5°	2671.7	2676.8	2681.8	2674.7	2663.5	2661.9	2669.8	2675.9	2676.5	2677.1	2676.5
10°	2670.1	2674.1	2678.1	2670.4	2658.9	2659.6	2672.4	2681.6	2679.3	2677.1	2679.3
12.5°	2655.7	2661.5	2667.3	2661.9	2652.8	2657.6	2676.2	2688.8	2683.8	2678.7	2683.8
15°	2619.1	2626.2	2633.3	2635.1	2635.1	2648.7	2675.8	2693.7	2683.9	2674.1	2683.9
17.5°	2551.7	2561.2	2570.7	2579.8	2588.8	2610.4	2644.5	2667.2	2655.7	2644.1	2655.7
20°	2498.1	2508.3	2518.5	2530.8	2543.7	2569.7	2608.8	2634.8	2621.4	2608.1	2621.4
22.5°	2439.7	2449.9	2460.1	2473.7	2488.4	2515.6	2555.4	2582.1	2569.1	2556.1	2569.1
25°	2339.1	2350.7	2362.2	2372.1	2381.4	2406.5	2447.4	2476.0	2467.5	2459.1	2467.5
27.5°	2201.1	2211.5	2221.9	2236.8	2253.1	2277.2	2308.9	2331.5	2326.5	2321.5	2326.5
30°	2093.1	2106.0	2118.9	2135.4	2153.2	2175.6	2202.8	2222.2	2218.6	2215.1	2218.6
32.5°	1976.3	1988.5	2000.6	2017.3	2035.4	2054.3	2074.0	2089.0	2090.5	2091.9	2090.5
35°	1770.1	1783.4	1796.7	1814.7	1834.3	1849.0	1858.7	1867.3	1872.2	1877.1	1872.2
37.5°	1519.5	1533.4	1547.4	1563.5	1580.4	1593.8	1603.5	1611.1	1612.0	1612.9	1612.0
40°	1345.1	1354.4	1363.7	1377.4	1392.5	1404.9	1414.7	1422.3	1423.2	1424.1	1423.2
42.5°	1151.4	1157.2	1163.0	1178.4	1197.1	1212.4	1224.3	1229.0	1212.1	1195.3	1212.1
45°	718.0	783.4	848.7	879.0	897.7	904.8	900.4	886.3	843.1	800.0	843.1
47.5°	340.8	409.5	478.2	540.8	601.4	611.8	572.2	528.0	470.4	412.8	470.4
50°	212.0	235.6	259.1	332.0	421.4	435.4	374.0	317.3	274.7	232.0	274.7
52.5°	142.4	154.2	166.1	221.1	290.5	296.9	240.1	192.5	171.8	151.2	171.8
55°	74.0	77.6	81.1	105.0	135.7	136.8	108.3	85.3	78.7	72.0	78.7
57.5°	25.0	32.0	39.0	49.2	60.4	60.3	48.8	38.6	32.2	25.8	32.2
60°	1.0	5.9	10.8	20.7	32.2	33.3	24.0	15.7	10.3	5.0	10.3
62.5°	1.0	2.0	3.0	9.5	17.8	18.2	10.7	4.6	3.2	1.8	3.2
65°	0.0	0.4	0.9	1.3	1.8	1.8	1.3	0.9	0.4	0.0	0.4
67.5°	0.0	0.0	0.0	0.3	0.6	0.8	0.8	0.7	0.4	0.0	0.4
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°	4.4	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°	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2676.3	2668.6	2659.3	2659.5	2669.1	2675.2	2671.0	2666.7
5°	2676.8	2668.4	2658.2	2660.2	2674.4	2684.0	2679.6	2675.1
7.5°	2675.9	2669.8	2661.9	2663.5	2674.7	2681.8	2676.8	2671.7
10°	2681.6	2672.4	2659.6	2658.9	2670.4	2678.1	2674.1	2670.1
12.5°	2688.8	2676.2	2657.6	2652.8	2661.9	2667.3	2661.5	2655.7
15°	2693.7	2675.8	2648.7	2635.1	2635.1	2633.3	2626.2	2619.1
17.5°	2667.2	2644.5	2610.4	2588.8	2579.8	2570.7	2561.2	2551.7
20°	2634.8	2608.8	2569.7	2543.7	2530.8	2518.5	2508.3	2498.1
22.5°	2582.1	2555.4	2515.6	2488.4	2473.7	2460.1	2449.9	2439.7
25°	2476.0	2447.4	2406.5	2381.4	2372.1	2362.2	2350.7	2339.1
27.5°	2331.5	2308.9	2277.2	2253.1	2236.8	2221.9	2211.5	2201.1
30°	2222.2	2202.8	2175.6	2153.2	2135.4	2118.9	2106.0	2093.1
32.5°	2089.0	2074.0	2054.3	2035.4	2017.3	2000.6	1988.5	1976.3
35°	1867.3	1858.7	1849.0	1834.3	1814.7	1796.7	1783.4	1770.1
37.5°	1611.1	1603.5	1593.8	1580.4	1563.5	1547.4	1533.4	1519.5
40°	1422.3	1414.7	1404.9	1392.5	1377.4	1363.7	1354.4	1345.1
42.5°	1229.0	1224.3	1212.4	1197.1	1178.4	1163.0	1157.2	1151.4
45°	886.3	900.4	904.8	897.7	879.0	848.7	783.4	718.0
47.5°	528.0	572.2	611.8	601.4	540.8	478.2	409.5	340.8
50°	317.3	374.0	435.4	421.4	332.0	259.1	235.6	212.0
52.5°	192.5	240.1	296.9	290.5	221.1	166.1	154.2	142.4
55°	85.3	108.3	136.8	135.7	105.0	81.1	77.6	74.0
57.5°	38.6	48.8	60.3	60.4	49.2	39.0	32.0	25.0
60°	15.7	24.0	33.3	32.2	20.7	10.8	5.9	1.0
62.5°	4.6	10.7	18.2	17.8	9.5	3.0	2.0	1.0
65°	0.9	1.3	1.8	1.8	1.3	0.9	0.4	0.0
67.5°	0.7	0.8	0.8	0.6	0.3	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°	2.2	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

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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)