

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: McGRAW-EDISON

Report Number: P629902

Luminaire Tested: GWS-SA1C-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4608.1 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

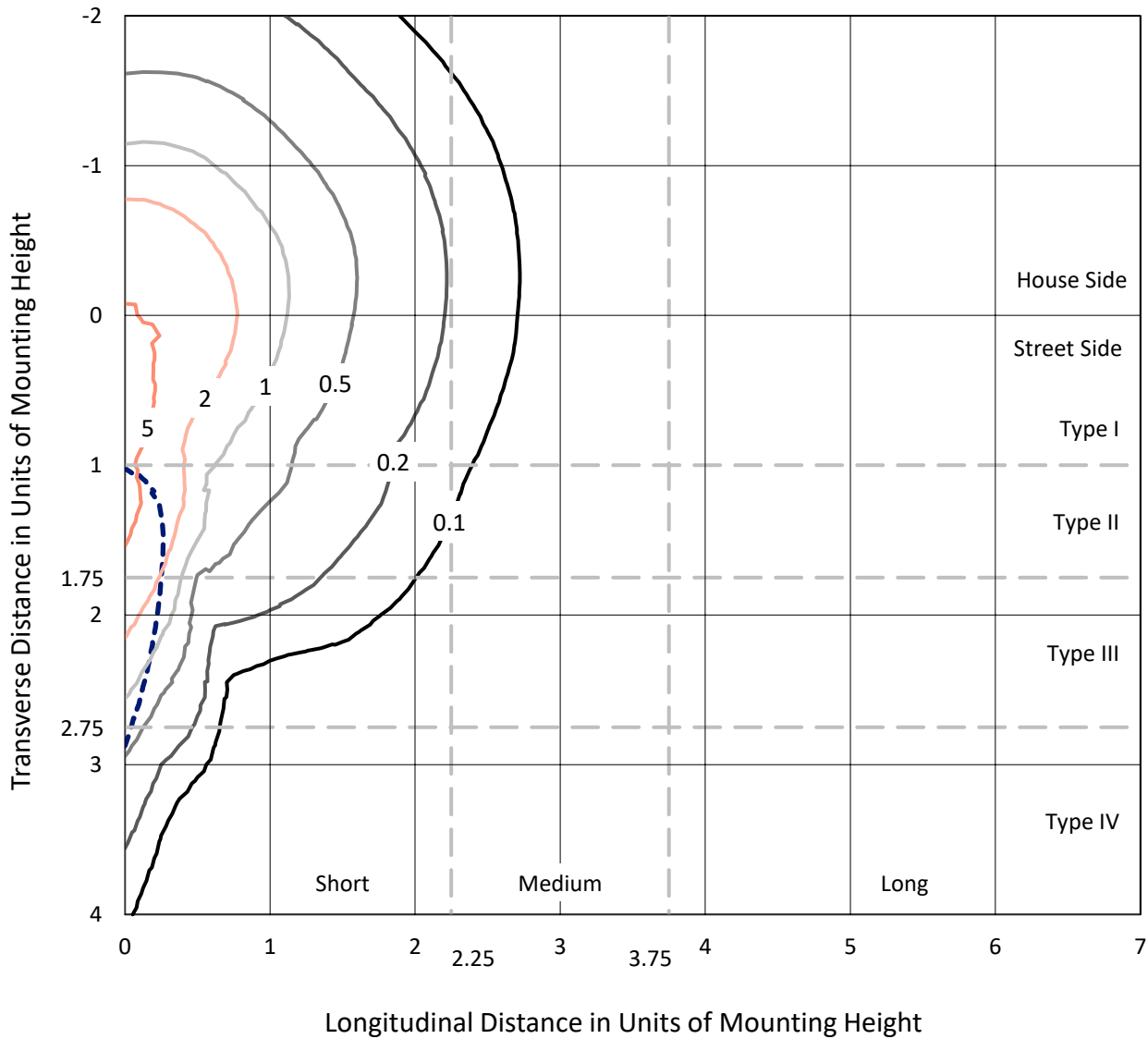
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

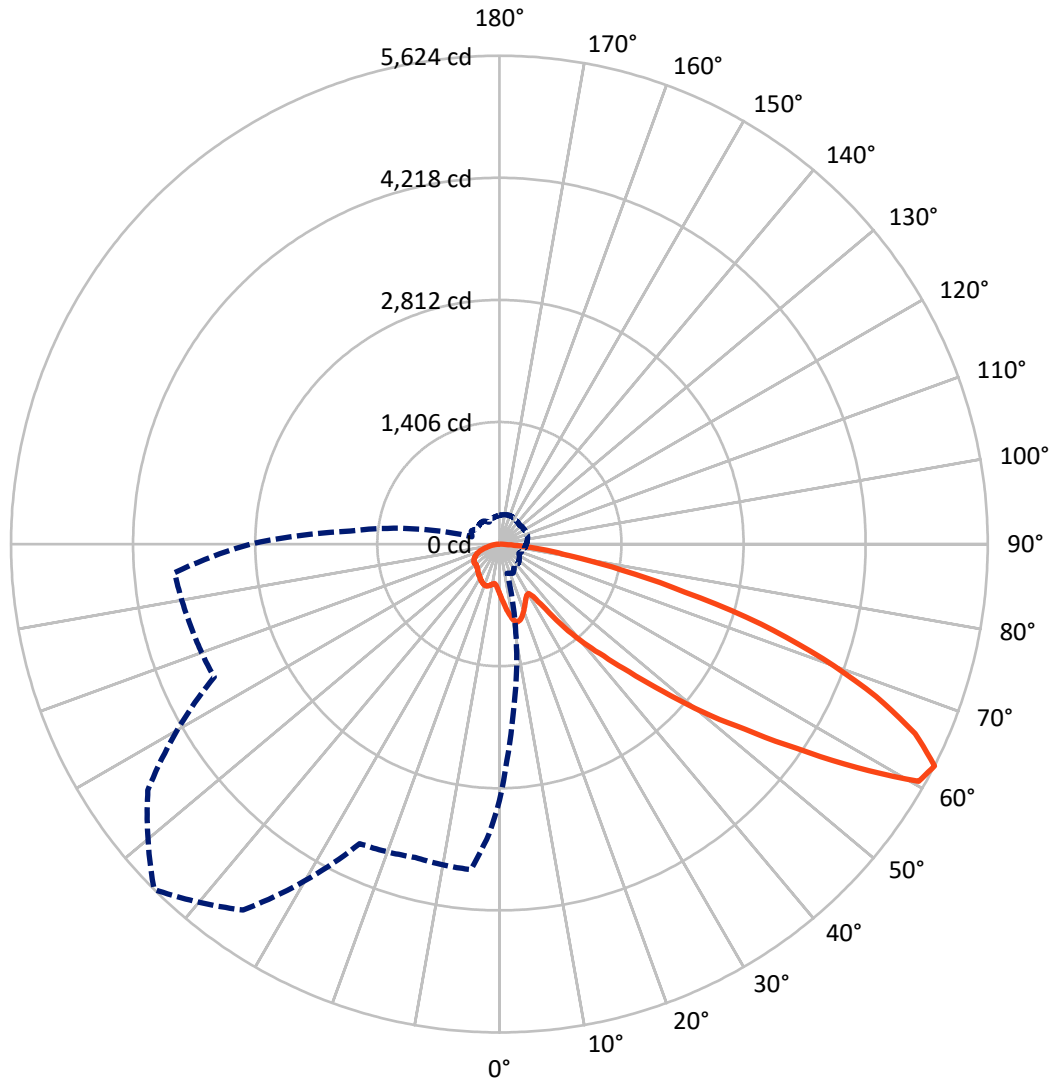
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1101.8	0.0	1101.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3506.3	0.0	3506.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	4608.1	0.0	4608.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	1.2
10°-20°	184.0	4.0
20°-30°	289.6	6.3
30°-40°	396.9	8.6
40°-50°	619.3	13.4
50°-60°	1067.8	23.2
60°-70°	1237.5	26.9
70°-80°	653.2	14.2
80°-90°	103.2	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4608.1	100.0
0°-180°	4608.1	100.0

Coefficient of Utilization



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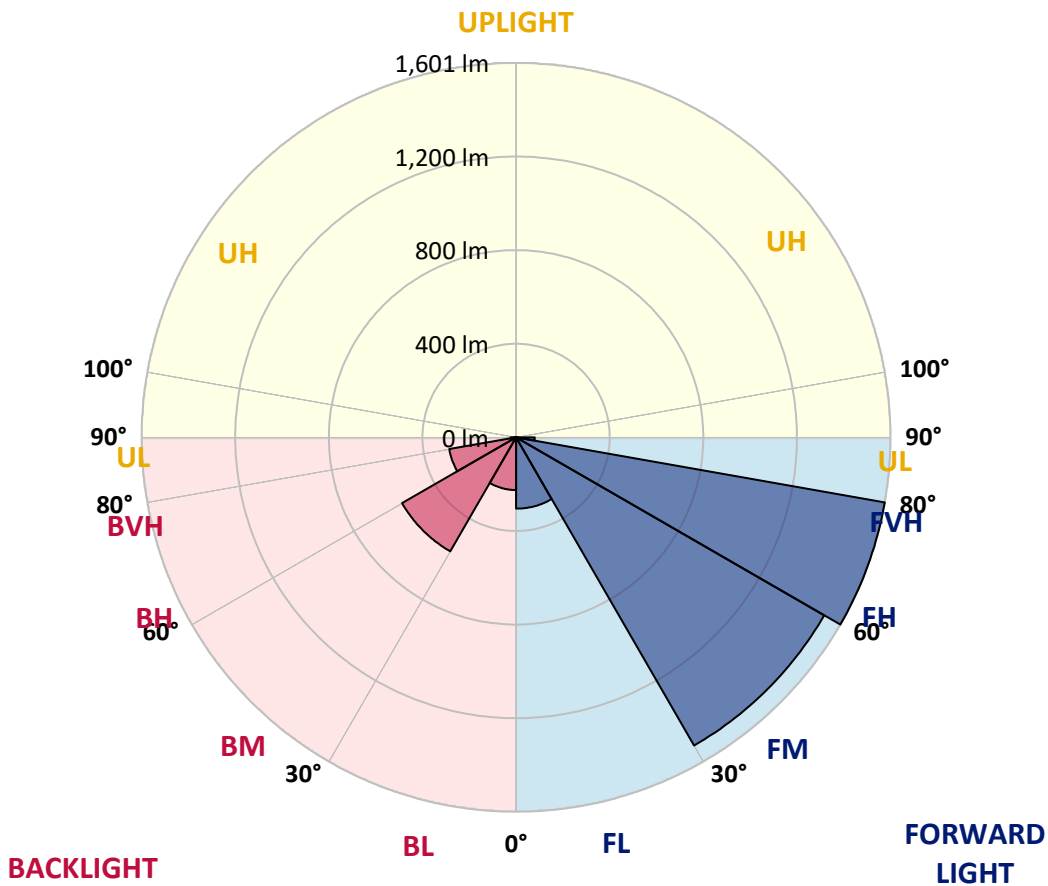
CATALOG NUMBER: GWS-SA1C-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.8	6.6			
FM (30°-60°)	1521.3	33.0			
FH (60°-80°)	1600.6	34.7			G1/1800
FVH (80°-90°)	79.6	1.7			G1/100
BL (0°-30°)	225.4	4.9	B1/500		
BM (30°-60°)	562.8	12.2	B1/1000		
BH (60°-80°)	290.1	6.3	B1/500		G1/500
BVH (80°-90°)	23.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	624.2	621.8	618.2	606.3	598.9	590.4	581.6	571.4	559.7	551.6	543.5
5°	677.1	673.2	664.8	636.2	616.5	595.0	577.0	556.6	536.5	522.7	509.0
7.5°	727.9	722.9	709.9	666.2	634.1	603.1	575.9	546.3	516.4	495.9	479.7
10°	778.6	768.4	751.8	694.7	652.4	616.5	585.5	549.2	509.3	481.5	464.2
12.5°	817.4	807.9	789.9	720.8	670.8	625.6	590.7	557.3	523.4	493.8	476.2
15°	853.7	841.4	820.9	745.1	685.9	625.3	580.2	550.9	546.0	538.6	515.7
17.5°	879.8	868.5	847.4	764.9	694.4	614.4	550.9	533.6	555.9	578.4	556.6
20°	902.7	889.6	868.1	778.6	696.1	590.0	515.3	515.7	550.6	581.6	576.3
22.5°	922.1	907.6	888.6	794.1	695.4	556.2	484.3	505.4	540.3	564.7	565.4
25°	946.0	934.1	918.2	817.0	695.4	521.7	461.7	493.1	523.1	543.5	542.8
27.5°	975.3	967.2	954.2	851.9	701.8	492.8	449.1	477.3	500.9	518.5	518.1
30°	1008.1	1000.7	990.8	888.9	712.7	471.3	442.0	457.5	474.8	488.9	488.9
32.5°	1041.6	1038.7	1028.2	918.6	704.2	464.6	436.0	437.8	446.9	458.6	457.5
35°	1088.1	1085.3	1071.9	941.5	667.6	455.0	426.5	417.7	418.7	426.1	428.6
37.5°	1156.1	1151.9	1132.2	968.2	612.2	431.1	411.0	396.5	393.4	396.5	401.1
40°	1238.2	1231.9	1205.1	1004.6	548.5	398.6	386.7	374.7	369.4	370.5	375.7
42.5°	1341.2	1327.8	1289.4	1043.0	485.4	370.1	359.5	352.1	346.1	345.4	355.6
45°	1508.2	1471.6	1410.6	1077.2	432.1	354.9	335.2	329.9	325.0	327.8	339.8
47.5°	1800.1	1732.4	1613.6	1106.4	399.7	355.3	315.8	310.2	309.8	315.5	328.9
50°	2201.2	2103.6	1920.3	1126.2	382.8	359.5	304.2	295.0	301.7	307.4	320.0
52.5°	2585.4	2436.3	2218.1	1125.8	375.4	360.2	307.4	280.9	301.7	303.1	315.1
55°	2913.6	2643.6	2298.5	1010.2	364.8	357.4	319.7	270.0	297.8	303.1	312.6
57.5°	3174.4	2775.4	2292.5	816.0	396.9	341.9	327.1	267.5	286.6	303.8	314.8
60°	3145.5	2715.1	2144.8	500.9	393.7	314.4	326.0	272.1	267.5	294.3	312.3
62.5°	2953.4	2499.0	1890.7	347.5	369.7	298.5	308.8	280.2	249.9	280.6	300.3
65°	2684.5	2220.2	1575.6	266.5	306.3	299.3	279.5	274.6	234.4	258.7	279.9
67.5°	2328.8	1874.5	1243.9	211.1	213.6	259.1	253.8	243.9	219.9	239.3	258.4
70°	1750.7	1368.0	855.8	169.9	161.8	216.4	228.1	219.2	205.8	211.5	231.6
72.5°	1233.7	893.2	468.8	134.6	124.8	166.4	198.1	196.7	181.9	186.1	205.8
75°	916.8	632.0	292.9	106.4	101.5	119.1	166.0	170.2	157.9	162.8	178.0
77.5°	610.1	409.2	162.8	79.0	79.0	87.1	123.7	143.5	134.3	138.2	148.7
80°	336.6	208.3	81.4	51.8	53.2	59.9	90.2	103.3	103.6	113.1	116.0
82.5°	106.4	66.3	36.3	30.3	28.6	34.2	58.2	74.0	69.1	88.1	81.1
85°	24.3	15.5	6.7	6.7	7.4	11.3	22.2	39.5	50.4	60.6	44.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	15.5	22.9	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	538.6	531.5	529.4	523.4	522.7	517.1	515.0	515.0	517.4	517.4	519.9
5°	503.3	494.5	489.6	482.5	480.8	476.5	473.7	474.1	477.3	479.4	483.6
7.5°	472.3	466.3	462.8	459.6	458.9	458.2	455.0	454.7	455.8	458.9	462.1
10°	459.3	455.0	456.1	458.6	462.4	464.6	461.7	460.3	459.3	461.4	464.2
12.5°	472.0	467.7	469.8	474.1	479.4	481.5	480.4	480.1	481.1	489.2	495.2
15°	499.8	491.7	488.9	490.6	494.9	497.0	495.9	497.3	504.0	525.2	540.3
17.5°	534.4	514.6	503.3	500.2	501.9	503.7	503.7	507.2	518.8	549.9	568.9
20°	553.0	527.3	508.3	500.5	501.2	503.0	503.0	507.9	521.0	554.1	566.4
22.5°	548.1	524.5	501.2	492.8	493.1	494.5	494.5	498.8	510.4	539.6	545.3
25°	528.7	507.9	485.0	477.6	478.3	480.8	480.1	482.5	491.4	515.3	518.5
27.5°	505.4	487.1	464.6	458.9	462.1	467.0	462.8	463.2	471.3	491.4	491.7
30°	480.4	465.3	445.2	440.9	446.9	449.4	445.5	445.5	453.6	467.4	467.0
32.5°	453.3	443.8	429.3	424.7	431.4	435.3	430.4	431.1	437.4	446.6	443.1
35°	427.9	423.0	416.3	413.1	417.3	420.9	417.7	419.1	425.1	427.6	422.6
37.5°	403.6	402.9	403.6	403.6	404.6	405.7	403.6	407.1	412.4	409.2	403.6
40°	382.4	385.3	392.0	390.2	389.1	390.2	388.8	394.8	400.1	394.4	387.7
42.5°	364.8	370.1	380.3	380.3	378.2	378.9	378.2	385.6	389.5	381.7	374.3
45°	349.7	357.4	370.5	372.2	368.7	368.7	370.1	379.3	380.7	370.1	362.3
47.5°	339.1	348.6	363.4	366.6	361.3	360.9	364.8	374.7	374.7	362.3	353.5
50°	331.7	342.3	359.9	364.1	358.8	357.4	363.8	373.3	371.2	356.4	347.5
52.5°	326.7	337.7	359.5	365.5	362.0	360.6	366.9	373.6	368.3	352.5	343.3
55°	323.6	335.6	360.6	365.5	361.6	359.2	365.5	371.5	368.7	350.4	341.5
57.5°	325.3	337.3	359.2	361.6	357.1	352.8	360.2	368.7	367.6	351.1	342.3
60°	322.5	333.4	351.4	352.1	344.4	337.7	348.6	361.3	361.3	348.6	340.8
62.5°	309.5	320.4	336.3	337.0	328.2	320.8	333.4	348.6	348.2	338.0	329.9
65°	288.0	298.2	316.2	317.9	309.1	301.4	314.4	328.5	329.6	320.4	313.4
67.5°	264.4	273.5	286.9	294.0	286.6	278.5	290.4	303.8	303.5	292.6	285.2
70°	236.2	244.6	257.0	262.9	258.4	250.6	261.5	268.6	265.4	260.1	255.2
72.5°	208.3	216.4	228.1	228.1	223.1	215.7	218.9	231.6	235.5	231.6	228.4
75°	179.1	186.1	194.2	196.0	185.0	171.7	186.5	197.4	202.0	200.2	196.3
77.5°	149.1	154.4	166.4	163.2	142.8	135.7	147.7	163.9	167.1	166.0	160.7
80°	114.9	118.1	130.8	124.4	108.6	104.0	109.3	122.0	122.7	119.1	112.4
82.5°	77.2	81.4	89.9	77.5	77.2	73.0	68.7	70.1	76.5	75.8	71.2
85°	39.5	41.6	49.7	46.5	39.8	34.5	32.8	34.9	31.4	28.6	24.7
87.5°	16.6	18.0	24.7	13.7	4.2	0.0	0.0	2.1	3.2	4.6	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	525.5	529.4	538.9	550.9	562.6	574.5	587.6	595.7	605.6	618.2	618.6
5°	488.9	497.7	511.4	529.8	548.8	570.7	596.0	617.2	642.6	662.7	670.8
7.5°	466.3	479.0	496.3	519.5	544.6	571.7	604.8	640.4	682.0	708.8	724.7
10°	468.4	487.8	505.1	524.8	547.4	576.6	619.3	666.5	717.6	752.9	772.6
12.5°	506.2	526.6	523.4	522.4	537.5	573.1	630.9	693.0	755.4	790.6	814.2
15°	553.7	561.5	531.5	509.0	518.1	560.4	637.3	716.6	786.7	829.7	853.0
17.5°	578.1	562.6	526.2	492.4	489.9	541.0	640.4	740.6	822.0	865.0	889.6
20°	566.8	544.2	513.6	481.5	463.9	514.6	638.7	759.6	854.0	902.0	922.1
22.5°	542.5	522.7	498.8	468.1	442.7	485.7	634.1	778.6	882.6	930.9	948.5
25°	516.0	501.2	481.5	454.7	430.7	460.3	630.9	804.0	915.4	961.6	972.8
27.5°	489.6	478.7	462.4	441.7	427.9	442.7	632.0	837.1	957.7	1001.4	996.8
30°	463.5	454.0	442.7	433.5	427.6	438.5	629.2	872.4	1004.2	1044.7	1017.6
32.5°	438.8	430.0	423.0	424.4	427.9	440.2	614.7	904.5	1046.9	1081.4	1040.2
35°	417.7	408.5	408.5	413.5	426.5	434.2	577.4	929.5	1094.1	1128.6	1072.2
37.5°	397.9	389.8	395.1	403.2	415.6	418.0	529.4	953.8	1162.8	1195.2	1121.9
40°	380.7	372.6	382.1	392.3	398.6	397.6	480.8	987.6	1243.9	1277.4	1187.8
42.5°	366.9	359.5	368.0	381.0	382.1	383.1	445.2	1020.1	1338.0	1380.6	1301.3
45°	355.6	350.4	354.6	367.6	367.6	383.8	423.0	1047.2	1479.7	1555.1	1509.7
47.5°	346.8	343.7	345.8	350.0	357.1	396.5	408.9	1068.0	1737.7	1885.7	1839.9
50°	341.9	338.7	341.5	332.7	353.9	402.9	404.3	1083.9	2077.8	2309.8	2253.0
52.5°	337.7	336.6	338.4	317.9	360.9	398.6	400.8	1062.7	2305.9	2727.1	2783.1
55°	336.3	337.0	328.5	307.0	369.4	384.6	390.2	911.5	2367.9	3087.0	3434.9
57.5°	337.0	334.9	313.4	308.1	369.7	356.4	405.3	650.3	2277.7	3243.5	4072.5
60°	334.5	323.9	295.0	317.6	353.5	323.2	394.4	424.0	2039.8	3123.3	4109.5
62.5°	323.6	308.1	279.2	322.9	324.6	303.5	358.1	326.7	1722.5	2866.0	3752.8
65°	307.7	286.9	265.8	311.9	295.4	294.3	269.3	261.9	1385.2	2559.7	3414.4
67.5°	281.6	260.8	255.9	286.9	265.8	260.8	216.4	217.1	1105.4	2233.3	3074.3
70°	252.0	231.2	235.1	259.4	236.5	216.8	175.2	180.8	838.5	1860.7	2615.7
72.5°	232.6	204.8	205.1	228.4	208.0	175.5	144.2	149.1	532.2	1402.5	2079.6
75°	196.3	180.5	172.7	185.0	176.6	136.8	121.3	120.2	315.5	1005.3	1557.2
77.5°	163.9	151.6	147.7	152.6	131.8	101.2	97.6	95.9	178.7	644.0	1020.4
80°	118.8	115.6	115.3	117.7	101.5	74.4	74.4	74.7	96.2	349.7	575.2
82.5°	75.4	82.5	73.0	81.1	69.1	52.9	49.3	56.0	55.3	149.1	242.5
85°	31.4	43.0	40.2	42.6	32.8	28.9	31.0	33.5	32.1	57.5	94.5
87.5°	6.0	7.0	7.8	7.4	7.4	9.2	10.2	12.3	12.3	16.6	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5	574.5
2.5°	632.0	642.2	640.1	644.7	638.7	640.8	628.8	625.6	623.5	624.2
5°	696.8	717.6	721.5	729.3	724.0	724.0	702.8	687.0	681.3	677.1
7.5°	762.8	792.7	812.5	814.6	811.8	806.1	775.4	746.9	736.7	727.9
10°	821.3	857.2	879.4	890.0	884.7	875.9	837.8	798.7	786.4	778.6
12.5°	866.0	897.8	912.6	919.6	918.9	915.7	884.7	842.4	829.4	817.4
15°	894.9	910.8	905.2	904.8	909.7	922.4	912.9	879.8	864.6	853.7
17.5°	913.6	898.5	873.4	861.8	872.4	902.3	924.2	905.5	891.8	879.8
20°	920.3	866.4	830.1	808.6	820.9	864.3	918.2	924.2	912.6	902.7
22.5°	912.6	827.3	777.9	752.5	764.5	816.3	900.6	939.3	931.6	922.1
25°	893.5	786.4	727.2	704.2	717.3	770.2	869.2	953.4	953.8	946.0
27.5°	869.9	748.7	691.6	670.1	682.7	732.1	838.5	965.8	978.1	975.3
30°	845.9	726.1	674.6	659.5	669.0	712.7	807.2	978.5	1003.1	1008.1
32.5°	835.0	737.0	714.5	721.2	708.8	724.0	795.9	996.4	1033.5	1041.6
35°	849.5	834.0	891.1	917.5	873.8	816.3	810.3	1023.6	1076.1	1088.1
37.5°	919.6	1041.6	1126.9	1219.9	1144.1	1017.6	881.9	1069.8	1137.1	1156.1
40°	1072.2	1222.7	1376.8	1497.0	1382.4	1212.2	1017.9	1138.5	1221.0	1238.2
42.5°	1216.0	1392.6	1604.8	1760.3	1611.5	1371.1	1164.6	1254.1	1331.7	1341.2
45°	1357.0	1559.4	1880.8	2096.9	1894.9	1522.3	1314.4	1449.4	1507.9	1508.2
47.5°	1522.3	1747.2	2226.9	2534.6	2271.0	1689.8	1455.0	1758.5	1839.9	1800.1
50°	1720.1	1934.0	2583.3	3044.0	2729.6	1895.6	1633.7	2135.3	2246.3	2201.2
52.5°	1984.8	2139.9	2975.9	3540.6	3229.4	2130.0	1892.8	2633.0	2669.6	2585.4
55°	2357.4	2437.0	3480.0	4153.9	3787.3	2418.7	2271.7	3257.6	3155.0	2913.6
57.5°	3205.8	2907.2	4127.1	4853.6	4418.6	2943.2	3102.1	3946.3	3581.5	3174.4
60°	3915.6	3478.2	4726.0	5548.0	4959.7	3521.2	3881.8	4066.2	3565.6	3145.5
62.5°	3676.3	3623.8	4942.1	5624.4	5144.4	3805.7	3736.9	3764.1	3333.0	2953.4
65°	3225.5	3342.9	4749.3	5261.8	4939.6	3550.8	3380.2	3484.9	3066.9	2684.5
67.5°	2959.4	3045.7	4406.3	4681.2	4567.4	3275.2	3102.8	3027.1	2653.8	2328.8
70°	2687.3	2758.8	3924.8	3952.7	3986.8	2817.0	2537.1	2311.5	1978.1	1750.7
72.5°	2322.1	2326.0	3316.1	3154.7	3219.5	2204.4	2042.2	1728.2	1439.9	1233.7
75°	1948.1	1841.7	2624.9	2205.1	2335.1	1714.8	1695.8	1302.4	1086.0	916.8
77.5°	1485.3	1360.9	1917.5	1450.1	1640.1	1142.0	1274.9	883.3	764.2	610.1
80°	997.2	919.6	1059.5	818.4	1072.9	787.1	831.5	500.5	433.9	336.6
82.5°	525.9	449.1	654.9	485.4	647.1	432.5	311.9	154.7	131.8	106.4
85°	203.7	235.8	321.1	172.7	251.0	154.4	90.2	38.4	32.1	24.3
87.5°	39.5	61.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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