

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: P631109

Luminaire Tested: GWS-SA1F-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3327.6 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

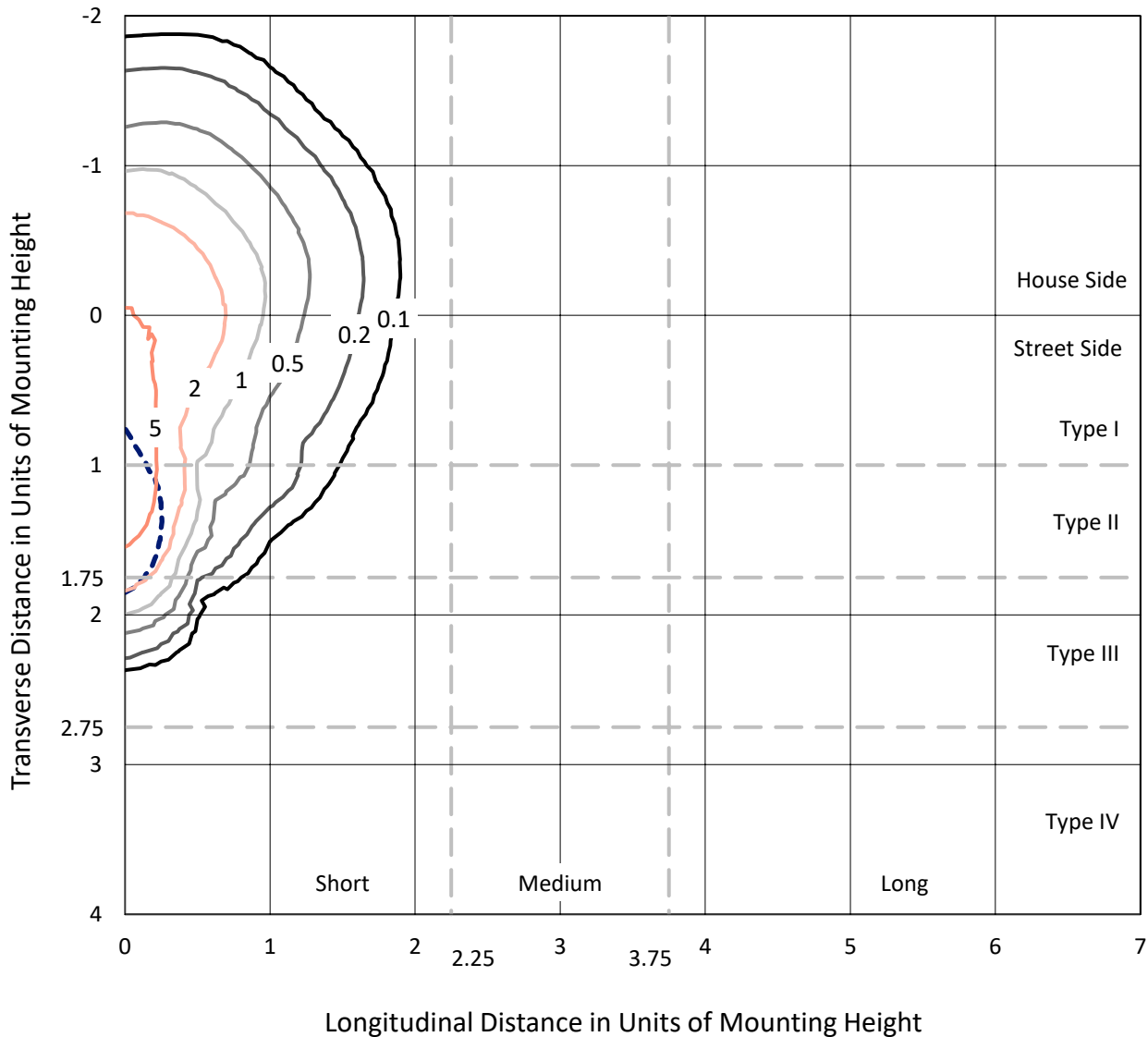
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

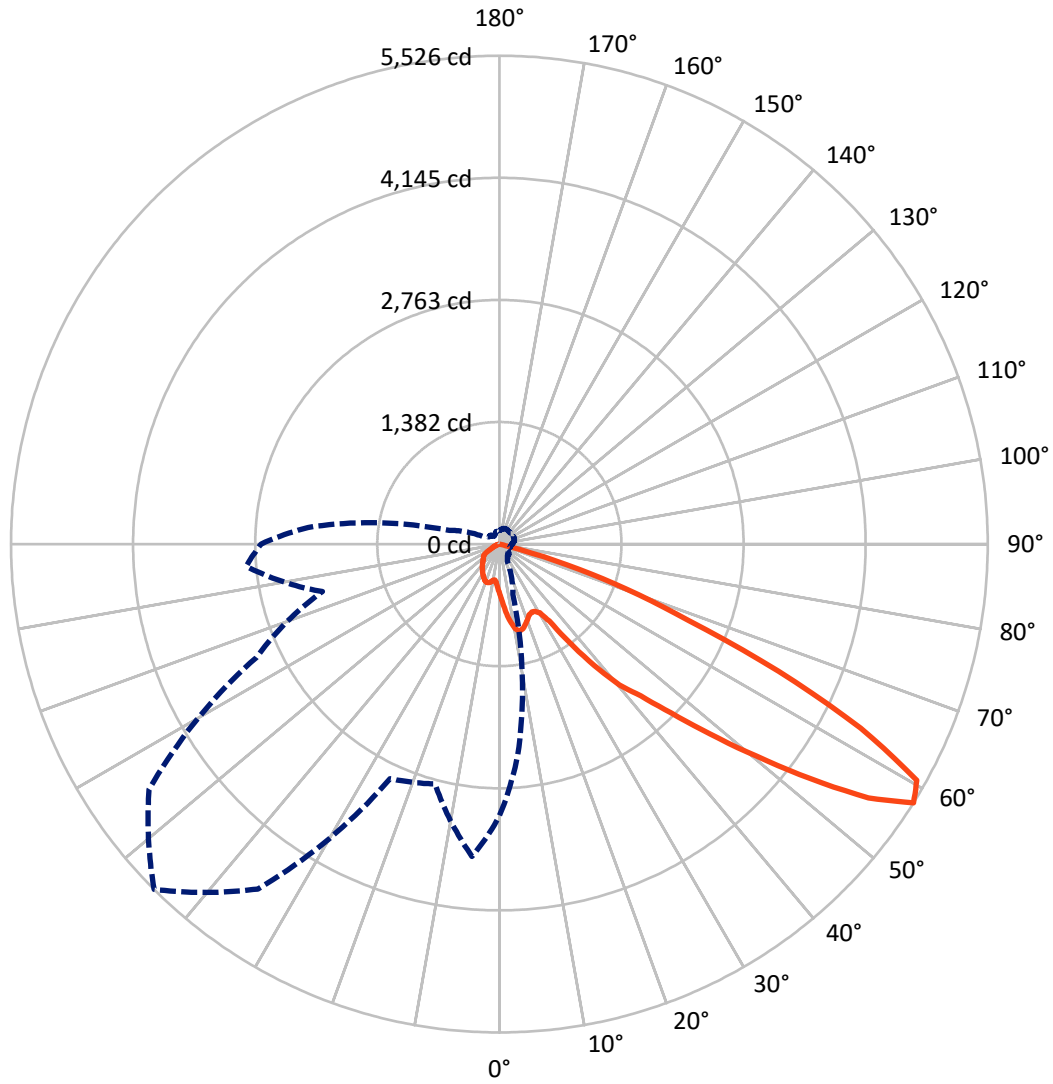
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	716.9	0.0	716.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2610.7	0.0	2610.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	3327.6	0.0	3327.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.7
10°-20°	183.9	5.5
20°-30°	298.4	9.0
30°-40°	458.0	13.8
40°-50°	731.5	22.0
50°-60°	1024.2	30.8
60°-70°	525.1	15.8
70°-80°	50.6	1.5
80°-90°	0.0	0.0
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°	3327.6	100.0
0°-180°	3327.6	100.0

Coefficient of Utilization



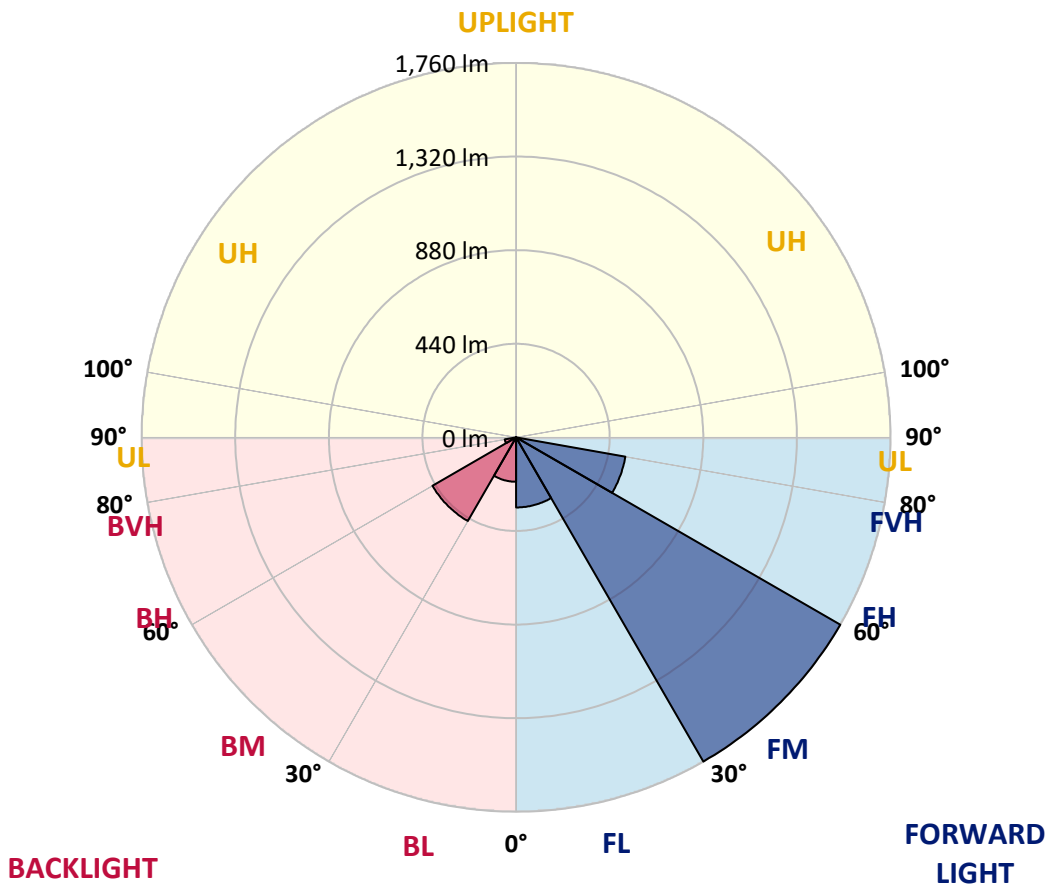
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.5	9.9			
FM (30°-60°)	1759.7	52.9			
FH (60°-80°)	521.6	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	208.7	6.3	B1/500		
BM (30°-60°)	454.0	13.6	B1/1000		
BH (60°-80°)	54.1	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
2.5°	628.1	626.8	622.3	607.2	597.9	583.2	572.5	558.7	543.6	534.3	524.9
5°	694.9	691.3	679.3	644.6	617.9	589.0	565.9	540.5	513.4	495.6	479.1
7.5°	758.9	753.6	737.6	678.8	638.4	597.0	564.1	527.2	488.9	462.2	441.7
10°	821.6	809.6	784.3	712.2	657.5	607.7	569.0	526.7	481.8	448.0	425.3
12.5°	873.2	864.3	829.7	743.8	673.5	609.9	562.3	523.1	492.9	470.2	449.3
15°	917.7	907.9	875.0	772.3	687.3	601.0	534.3	500.0	504.9	513.8	496.0
17.5°	958.7	948.4	912.8	795.8	692.6	579.2	495.1	478.7	505.8	539.2	532.5
20°	1000.9	989.4	945.8	815.0	690.9	544.9	455.5	460.4	498.7	536.9	540.5
22.5°	1050.3	1038.3	987.6	839.4	689.5	504.0	421.3	444.4	485.3	517.8	524.0
25°	1115.7	1101.5	1045.9	875.5	693.1	466.7	396.8	428.8	462.6	492.0	495.6
27.5°	1202.0	1183.8	1113.0	920.0	700.6	437.3	386.1	407.5	433.7	460.0	463.1
30°	1314.5	1291.4	1190.0	958.7	697.1	416.8	379.0	386.1	401.7	423.1	423.5
32.5°	1446.2	1414.6	1276.3	992.0	666.4	401.7	369.2	364.3	367.9	384.4	387.5
35°	1601.0	1560.1	1371.5	1023.6	610.3	372.3	351.4	335.0	333.6	341.6	349.2
37.5°	1778.5	1729.6	1491.6	1064.1	544.1	341.6	325.2	308.7	301.6	305.6	317.2
40°	1942.2	1888.0	1617.0	1113.0	476.4	314.1	294.5	277.6	269.1	270.5	284.7
42.5°	2134.4	2078.4	1770.5	1177.1	420.4	295.4	262.5	245.1	234.0	240.2	256.7
45°	2426.2	2362.6	1994.3	1232.7	375.9	290.9	234.4	210.0	204.6	215.3	234.9
47.5°	2824.8	2747.0	2301.7	1266.5	338.1	294.9	214.9	181.5	182.8	194.8	214.4
50°	3220.3	3136.2	2657.1	1222.0	306.9	286.9	205.1	159.3	167.7	178.4	196.2
52.5°	3492.1	3382.7	2830.2	1093.4	278.5	256.7	204.2	138.3	154.4	157.9	173.0
55°	3502.8	3368.0	2741.6	862.1	239.8	216.6	194.8	121.0	139.7	141.0	153.9
57.5°	3070.4	2948.5	2396.0	592.1	213.1	158.8	155.3	105.9	114.8	125.9	133.9
60°	2335.9	2232.3	1791.9	271.4	161.9	101.0	106.3	91.2	85.9	102.3	110.3
62.5°	1430.6	1364.4	1074.8	120.1	103.2	53.8	64.5	72.5	64.5	70.7	77.4
65°	568.1	538.7	407.9	51.2	42.3	27.1	29.4	42.3	45.4	49.8	56.1
67.5°	98.8	93.4	68.5	22.7	17.3	16.5	14.2	19.6	27.6	30.7	35.6
70°	12.9	12.5	11.1	9.3	8.9	8.0	6.2	12.5	18.7	19.6	22.7
72.5°	3.1	2.7	2.7	2.2	2.7	0.9	0.9	6.7	13.3	13.8	16.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.5	9.3	11.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
2.5°	517.4	508.5	505.4	500.9	495.1	496.9	488.9	486.2	490.2	495.6	494.2
5°	470.2	460.4	453.8	443.5	441.7	437.7	435.1	431.5	436.0	442.2	443.5
7.5°	432.8	424.4	417.7	414.6	412.4	410.6	405.3	402.6	402.6	405.3	407.5
10°	416.8	410.6	409.3	410.2	413.7	413.3	408.4	404.8	400.4	398.1	400.8
12.5°	439.1	428.8	427.1	427.5	432.0	431.5	426.2	421.7	420.8	421.7	430.2
15°	476.9	461.3	449.7	447.5	449.7	448.9	444.9	442.2	443.5	456.4	470.7
17.5°	510.7	486.7	465.8	457.8	457.3	456.0	452.0	451.1	457.8	481.8	502.7
20°	520.5	496.9	467.1	456.9	454.6	453.3	448.9	450.2	458.6	487.6	505.4
22.5°	507.6	484.9	453.8	443.5	441.7	441.3	436.8	438.6	445.7	471.1	485.8
25°	483.1	464.0	431.5	422.6	422.6	421.7	417.7	418.6	423.1	445.3	459.5
27.5°	453.3	435.1	407.9	399.0	400.4	401.7	396.8	395.5	399.0	419.9	428.4
30°	419.1	406.2	384.8	376.8	376.3	381.7	375.0	373.2	378.1	394.6	396.4
32.5°	385.7	379.5	364.3	358.1	358.6	359.4	355.9	355.9	360.3	369.2	368.8
35°	353.2	349.2	346.5	342.1	341.6	339.9	339.9	340.8	345.7	348.8	343.0
37.5°	322.1	326.1	329.2	324.7	321.2	321.2	321.2	325.2	329.6	328.3	318.5
40°	294.5	302.9	312.7	307.8	299.4	298.9	300.7	307.4	314.1	306.1	297.2
42.5°	270.9	281.6	295.4	292.7	283.4	282.0	283.4	291.8	297.2	286.9	277.1
45°	247.8	261.1	277.6	277.6	267.4	266.0	266.5	277.6	280.7	268.7	256.2
47.5°	228.2	242.9	260.2	260.2	251.8	249.1	251.3	262.9	265.1	248.2	236.7
50°	209.5	225.5	244.7	243.3	237.6	235.3	239.3	251.8	249.1	230.4	218.4
52.5°	185.9	202.9	229.1	230.4	227.3	227.8	232.7	240.7	233.1	210.4	200.2
55°	164.6	181.9	208.2	215.3	215.3	214.9	217.1	223.3	217.1	190.0	177.5
57.5°	141.5	156.1	177.9	179.7	181.1	176.2	179.3	187.7	184.6	161.5	154.4
60°	116.1	128.6	141.0	142.4	136.6	126.3	132.1	141.9	144.1	126.8	118.8
62.5°	82.3	94.3	109.0	109.0	103.2	93.0	100.5	109.0	105.9	88.1	83.2
65°	61.4	72.5	83.6	88.5	83.6	76.5	82.3	88.5	83.6	69.0	61.8
67.5°	39.6	47.2	53.8	57.8	58.7	57.8	60.5	58.7	52.9	43.2	39.1
70°	24.0	28.0	31.6	35.1	37.8	39.1	40.5	36.5	30.7	25.4	24.0
72.5°	17.3	20.9	24.0	26.7	29.8	30.7	30.7	28.0	22.7	17.8	16.5
75°	12.0	15.1	17.8	19.6	22.2	23.1	23.1	20.9	16.9	12.9	11.6
77.5°	0.4	3.1	3.1	2.7	3.6	4.4	4.4	5.3	4.9	3.6	3.1
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°	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
2.5°	496.9	512.9	517.4	533.8	548.5	563.2	581.0	591.7	607.7	618.8	625.0
5°	448.0	461.3	477.3	501.8	527.2	555.2	589.0	618.3	655.3	682.4	691.3
7.5°	412.4	429.7	448.4	479.1	513.8	551.2	598.8	646.8	703.3	740.2	763.8
10°	405.7	423.5	448.4	478.7	515.1	557.8	616.1	678.4	749.1	794.1	820.8
12.5°	437.7	456.9	467.5	481.3	508.9	556.5	631.2	710.4	793.6	842.6	871.0
15°	484.9	501.8	484.4	467.1	484.9	542.3	639.7	737.1	832.8	889.3	918.6
17.5°	517.4	518.7	480.9	444.0	448.9	516.5	642.8	763.8	874.6	933.7	964.4
20°	514.3	503.6	465.3	424.4	409.3	483.1	639.3	787.4	916.8	978.7	1008.9
22.5°	490.2	477.8	445.3	405.3	375.9	443.5	633.0	808.7	955.5	1025.8	1054.3
25°	461.3	448.0	421.3	386.1	354.5	405.3	628.1	838.1	1004.5	1087.2	1109.5
27.5°	427.5	415.9	393.3	367.9	345.7	376.3	626.8	876.8	1063.6	1162.0	1177.5
30°	394.6	383.9	366.1	351.4	342.1	359.4	622.3	918.2	1134.4	1247.8	1264.7
32.5°	363.0	352.3	341.2	339.0	339.4	353.2	607.2	959.1	1218.5	1372.4	1384.8
35°	335.9	323.4	319.0	324.3	334.1	342.5	564.5	992.9	1308.8	1508.1	1518.3
37.5°	310.1	297.6	297.2	310.1	320.7	326.1	514.3	1026.3	1430.6	1646.0	1658.9
40°	286.5	274.0	278.5	294.0	302.5	305.2	453.3	1077.0	1559.7	1791.4	1784.3
42.5°	266.5	253.6	256.2	276.3	283.8	290.9	397.3	1119.3	1683.8	1929.3	1927.1
45°	246.9	237.1	235.3	257.1	263.8	292.3	356.3	1151.7	1843.5	2105.0	2108.6
47.5°	227.8	220.2	220.6	230.0	246.4	298.9	321.6	1173.1	2075.2	2383.5	2321.7
50°	210.4	204.6	209.5	198.8	235.3	290.5	291.8	1168.6	2334.1	2650.4	2526.3
52.5°	191.3	190.0	192.2	166.4	217.5	256.2	263.8	1109.5	2455.6	2832.8	2762.1
55°	171.7	171.3	153.5	133.0	181.9	204.6	226.0	925.7	2451.6	2929.8	3015.7
57.5°	148.6	145.0	116.6	108.5	141.5	142.4	206.0	606.3	2172.7	2697.6	2875.5
60°	112.5	109.9	85.4	88.1	98.8	91.2	164.2	302.1	1623.7	2101.5	2302.1
62.5°	77.8	74.3	63.6	68.1	63.6	52.0	100.5	149.5	983.6	1327.0	1508.9
65°	56.9	52.9	43.6	37.4	29.8	29.8	38.3	57.4	380.8	564.1	680.2
67.5°	35.1	33.4	25.8	18.7	18.2	19.6	20.0	28.5	61.4	97.9	119.7
70°	22.7	20.9	17.3	12.0	11.1	11.6	12.0	13.3	15.6	16.9	20.5
72.5°	15.6	14.7	12.5	6.7	5.3	5.8	6.2	6.2	7.6	7.1	8.5
75°	11.1	10.2	8.9	3.1	1.8	2.2	2.7	2.2	2.7	1.8	2.2
77.5°	3.1	3.1	2.2	0.4	0.0	0.4	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4	565.4
2.5°	641.0	651.3	655.3	649.5	654.4	646.4	643.3	631.2	630.4	628.1
5°	727.3	750.5	764.3	772.7	762.9	752.2	736.2	708.7	700.2	694.9
7.5°	812.3	848.3	871.9	883.0	880.4	858.6	829.7	783.4	766.9	758.9
10°	886.1	930.2	958.7	972.4	966.7	947.5	906.2	848.3	826.5	821.6
12.5°	937.8	978.2	997.8	1009.8	1010.3	1002.7	963.6	905.3	879.5	873.2
15°	970.2	987.6	988.0	995.1	1007.6	1024.5	1006.3	954.7	927.1	917.7
17.5°	990.7	971.6	952.0	953.8	974.2	1019.2	1037.8	998.3	968.9	958.7
20°	1005.4	944.9	908.4	908.8	929.7	997.8	1059.6	1040.5	1010.3	1000.9
22.5°	1014.7	921.3	869.2	867.9	890.2	972.4	1079.7	1090.8	1061.0	1050.3
25°	1033.8	910.2	845.7	853.2	872.8	964.4	1106.8	1157.5	1129.9	1115.7
27.5°	1068.1	921.3	843.4	860.8	883.0	988.0	1153.9	1246.5	1218.0	1202.0
30°	1127.3	963.1	877.7	901.7	928.4	1049.9	1233.1	1370.6	1329.7	1314.5
32.5°	1222.5	1049.9	983.6	1035.2	1061.0	1151.3	1351.9	1509.8	1476.5	1446.2
35°	1353.7	1247.8	1240.3	1360.4	1354.1	1343.5	1497.8	1680.7	1630.4	1601.0
37.5°	1534.3	1566.3	1622.4	1741.6	1737.6	1656.2	1689.6	1842.1	1816.3	1778.5
40°	1759.8	1827.9	1923.1	2093.9	2040.5	1938.2	1924.9	2007.6	1986.7	1942.2
42.5°	1892.9	2010.3	2191.8	2345.3	2302.6	2123.7	2108.6	2228.7	2182.9	2134.4
45°	1954.7	2158.9	2514.8	2722.5	2593.0	2247.0	2241.2	2517.0	2491.2	2426.2
47.5°	1983.2	2308.8	2892.9	3207.4	2965.4	2355.1	2334.1	2935.1	2901.3	2824.8
50°	2014.7	2515.6	3348.4	3769.2	3415.1	2477.4	2492.5	3324.8	3310.6	3220.3
52.5°	2084.1	2734.5	3909.4	4411.6	3960.5	2669.1	2764.3	3692.3	3596.2	3492.1
55°	2188.2	2973.0	4493.0	5067.8	4517.0	2926.7	3058.4	3887.6	3618.0	3502.8
57.5°	2073.0	3032.6	4838.7	5526.0	4763.9	2927.6	2809.7	3549.0	3182.0	3070.4
60°	1645.1	2821.3	4705.7	5426.8	4553.5	2599.7	2151.3	2771.0	2410.7	2335.9
62.5°	1112.1	2366.2	4142.5	4589.6	3897.4	2045.0	1398.2	1802.1	1492.5	1430.6
65°	609.4	1765.2	3347.1	3472.1	3050.4	1428.4	719.3	782.1	595.7	568.1
67.5°	168.2	1228.7	2462.7	2303.5	2140.2	930.2	185.9	139.7	99.6	98.8
70°	42.3	812.7	1475.6	1521.0	1312.3	595.7	35.6	16.9	13.3	12.9
72.5°	17.8	349.7	700.2	804.7	671.7	275.8	12.9	4.9	4.0	3.1
75°	2.2	28.0	59.6	90.3	61.8	29.8	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
80°	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
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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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