

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: P634079

Luminaire Tested: GWS-SA3B-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634079
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-SA3B-722-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4108.3 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

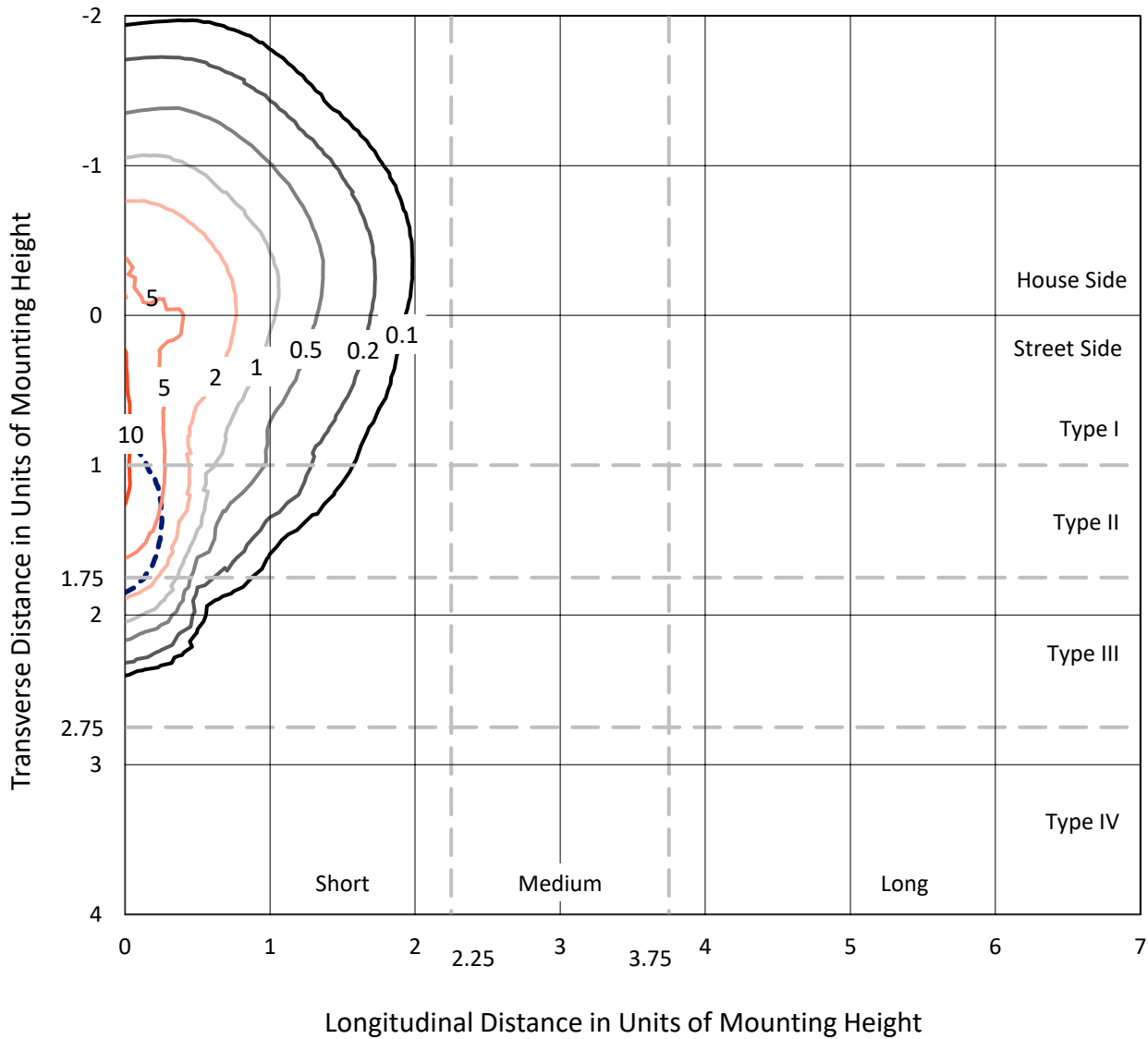
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

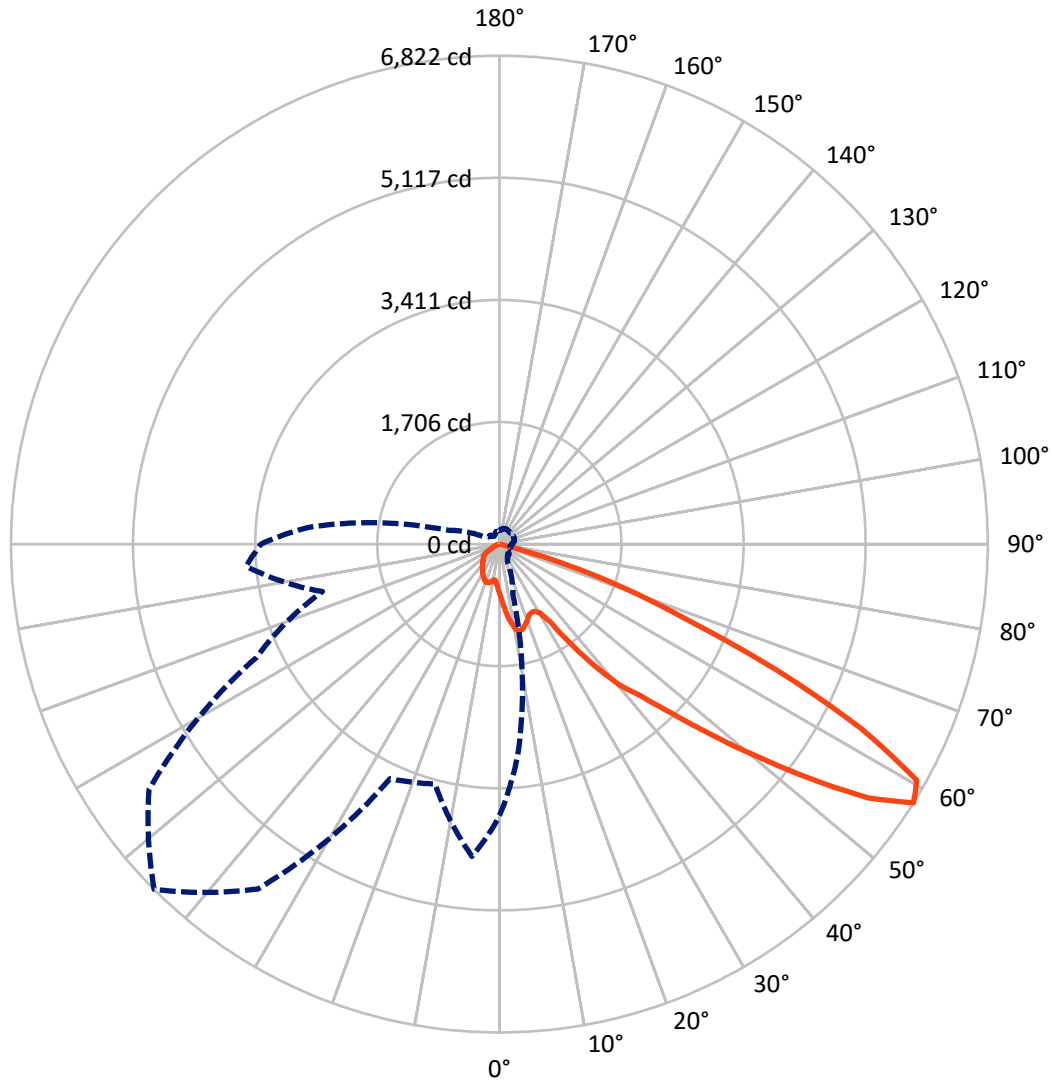
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 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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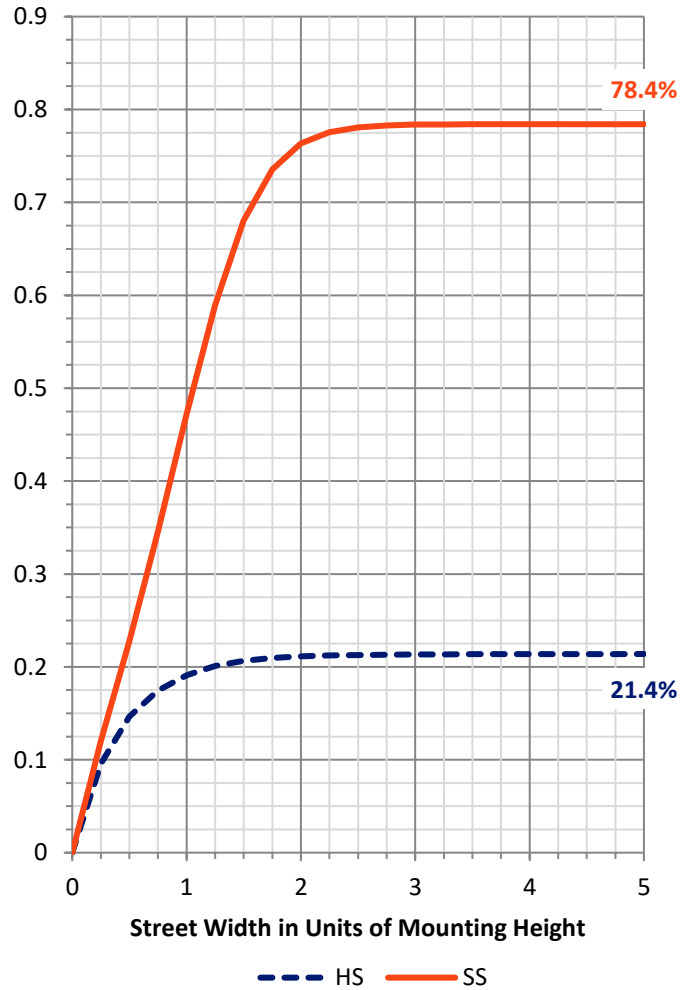
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	885.1	0.0	885.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3223.2	0.0	3223.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	4108.3	0.0	4108.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.7
10°-20°	227.0	5.5
20°-30°	368.4	9.0
30°-40°	565.5	13.8
40°-50°	903.1	22.0
50°-60°	1264.5	30.8
60°-70°	648.3	15.8
70°-80°	62.4	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°	4108.3	100.0
0°-180°	4108.3	100.0

Coefficient of Utilization



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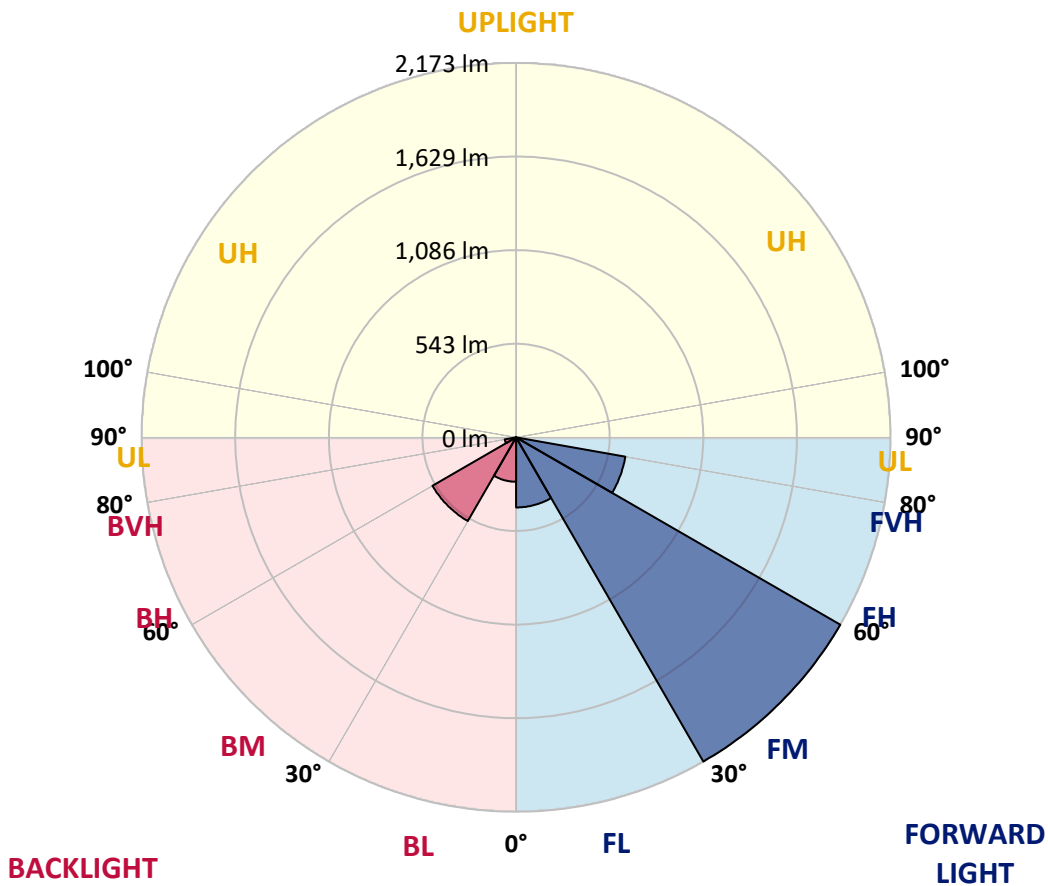
CATALOG NUMBER: GWS-SA3B-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.7	9.9			
FM (30°-60°)	2172.6	52.9			
FH (60°-80°)	643.9	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	257.7	6.3	B1/500		
BM (30°-60°)	560.5	13.6	B1/1000		
BH (60°-80°)	66.8	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°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	775.5	773.9	768.4	749.7	738.2	720.0	706.8	689.8	671.1	659.6	648.1
5°	857.9	853.5	838.7	795.8	762.9	727.2	698.6	667.3	633.8	611.8	591.5
7.5°	937.0	930.4	910.6	838.1	788.1	737.1	696.4	650.8	603.6	570.6	545.4
10°	1014.4	999.6	968.3	879.3	811.7	750.2	702.5	650.3	594.8	553.1	525.1
12.5°	1078.1	1067.1	1024.3	918.3	831.5	753.0	694.2	645.9	608.5	580.5	554.7
15°	1133.0	1121.0	1080.3	953.4	848.5	742.0	659.6	617.3	623.4	634.4	612.4
17.5°	1183.6	1170.9	1127.0	982.6	855.1	715.1	611.3	591.0	624.5	665.7	657.4
20°	1235.7	1221.5	1167.6	1006.2	852.9	672.8	562.4	568.4	615.7	662.9	667.3
22.5°	1296.7	1281.9	1219.3	1036.4	851.3	622.3	520.1	548.7	599.2	639.3	647.0
25°	1377.4	1359.9	1291.2	1080.9	855.7	576.1	489.9	529.4	571.2	607.4	611.8
27.5°	1484.0	1461.5	1374.2	1135.8	865.0	539.9	476.7	503.1	535.5	567.9	571.7
30°	1623.0	1594.4	1469.2	1183.6	860.6	514.6	467.9	476.7	495.9	522.3	522.9
32.5°	1785.5	1746.5	1575.7	1224.8	822.7	495.9	455.9	449.8	454.2	474.5	478.4
35°	1976.6	1926.1	1693.3	1263.8	753.5	459.7	433.9	413.6	411.9	421.8	431.1
37.5°	2195.8	2135.4	1841.5	1313.7	671.7	421.8	401.5	381.2	372.4	377.3	391.6
40°	2397.9	2330.9	1996.4	1374.2	588.2	387.8	363.6	342.7	332.3	333.9	351.5
42.5°	2635.2	2566.0	2185.9	1453.2	519.0	364.7	324.0	302.6	288.9	296.6	316.9
45°	2995.5	2916.9	2462.2	1521.9	464.1	359.2	289.4	259.2	252.6	265.8	290.0
47.5°	3487.6	3391.4	2841.7	1563.6	417.4	364.1	265.3	224.1	225.7	240.6	264.7
50°	3975.8	3872.0	3280.5	1508.7	379.0	354.2	253.2	196.6	207.1	220.2	242.2
52.5°	4311.4	4176.3	3494.1	1350.0	343.8	316.9	252.1	170.8	190.6	195.0	213.6
55°	4324.6	4158.2	3384.9	1064.4	296.0	267.5	240.6	149.4	172.5	174.1	190.0
57.5°	3790.7	3640.2	2958.1	731.0	263.1	196.1	191.7	130.7	141.7	155.4	165.3
60°	2884.0	2756.0	2212.3	335.0	199.9	124.7	131.3	112.6	106.0	126.3	136.2
62.5°	1766.3	1684.5	1326.9	148.3	127.4	66.5	79.6	89.5	79.6	87.3	95.6
65°	701.4	665.1	503.6	63.2	52.2	33.5	36.2	52.2	56.0	61.5	69.2
67.5°	121.9	115.3	84.6	28.0	21.4	20.3	17.6	24.2	34.1	37.9	43.9
70°	15.9	15.4	13.7	11.5	11.0	9.9	7.7	15.4	23.1	24.2	28.0
72.5°	3.8	3.3	3.3	2.7	3.3	1.1	1.1	8.2	16.5	17.0	19.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	10.4	11.5	13.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	638.7	627.8	623.9	618.4	611.3	613.5	603.6	600.3	605.2	611.8	610.2
5°	580.5	568.4	560.2	547.6	545.4	540.4	537.1	532.7	538.2	545.9	547.6
7.5°	534.4	524.0	515.7	511.9	509.1	506.9	500.3	497.0	497.0	500.3	503.1
10°	514.6	506.9	505.3	506.4	510.8	510.2	504.2	499.8	494.3	491.6	494.8
12.5°	542.1	529.4	527.3	527.8	533.3	532.7	526.2	520.7	519.6	520.7	531.1
15°	588.8	569.5	555.3	552.5	555.3	554.2	549.2	545.9	547.6	563.5	581.1
17.5°	630.5	600.8	575.0	565.1	564.6	563.0	558.0	556.9	565.1	594.8	620.6
20°	642.6	613.5	576.7	564.1	561.3	559.7	554.2	555.8	566.2	601.9	623.9
22.5°	626.7	598.7	560.2	547.6	545.4	544.8	539.3	541.5	550.3	581.6	599.8
25°	596.5	572.8	532.7	521.8	521.8	520.7	515.7	516.8	522.3	549.8	567.3
27.5°	559.7	537.1	503.6	492.7	494.3	495.9	489.9	488.3	492.7	518.5	528.9
30°	517.4	501.4	475.1	465.2	464.6	471.2	463.0	460.8	466.8	487.2	489.4
32.5°	476.2	468.5	449.8	442.1	442.7	443.8	439.4	439.4	444.9	455.9	455.3
35°	436.1	431.1	427.8	422.4	421.8	419.6	419.6	420.7	426.7	430.6	423.5
37.5°	397.6	402.6	406.4	400.9	396.5	396.5	396.5	401.5	407.0	405.3	393.2
40°	363.6	374.0	386.1	380.1	369.6	369.1	371.3	379.5	387.8	377.9	366.9
42.5°	334.5	347.7	364.7	361.4	349.9	348.2	349.9	360.3	366.9	354.2	342.2
45°	305.9	322.4	342.7	342.7	330.1	328.4	329.0	342.7	346.6	331.7	316.4
47.5°	281.8	299.9	321.3	321.3	310.9	307.6	310.3	324.6	327.3	306.5	292.2
50°	258.7	278.5	302.1	300.4	293.3	290.5	295.5	310.9	307.6	284.5	269.7
52.5°	229.6	250.4	282.8	284.5	280.7	281.2	287.2	297.1	287.8	259.8	247.1
55°	203.2	224.6	257.0	265.8	265.8	265.3	268.0	275.7	268.0	234.5	219.1
57.5°	174.7	192.8	219.7	221.9	223.5	217.5	221.3	231.8	227.9	199.4	190.6
60°	143.3	158.7	174.1	175.8	168.6	156.0	163.1	175.2	177.9	156.5	146.6
62.5°	101.6	116.4	134.6	134.6	127.4	114.8	124.1	134.6	130.7	108.7	102.7
65°	75.8	89.5	103.3	109.3	103.3	94.5	101.6	109.3	103.3	85.1	76.3
67.5°	48.9	58.2	66.5	71.4	72.5	71.4	74.7	72.5	65.4	53.3	48.3
70°	29.7	34.6	39.0	43.4	46.7	48.3	50.0	45.0	37.9	31.3	29.7
72.5°	21.4	25.8	29.7	33.0	36.8	37.9	37.9	34.6	28.0	22.0	20.3
75°	14.8	18.7	22.0	24.2	27.5	28.6	28.6	25.8	20.9	15.9	14.3
77.5°	0.5	3.8	3.8	3.3	4.4	5.5	5.5	6.6	6.0	4.4	3.8
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°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	613.5	633.3	638.7	659.1	677.2	695.3	717.3	730.5	750.2	764.0	771.7
5°	553.1	569.5	589.3	619.5	650.8	685.4	727.2	763.4	809.0	842.5	853.5
7.5°	509.1	530.5	553.6	591.5	634.4	680.5	739.3	798.6	868.3	913.9	943.0
10°	500.9	522.9	553.6	591.0	636.0	688.7	760.7	837.6	924.9	980.4	1013.3
12.5°	540.4	564.1	577.2	594.3	628.3	687.1	779.3	877.1	979.8	1040.2	1075.4
15°	598.7	619.5	598.1	576.7	598.7	669.5	789.8	910.1	1028.1	1097.9	1134.1
17.5°	638.7	640.4	593.7	548.1	554.2	637.6	793.6	943.0	1079.8	1152.8	1190.7
20°	634.9	621.7	574.5	524.0	505.3	596.5	789.2	972.1	1131.9	1208.3	1245.6
22.5°	605.2	589.9	549.8	500.3	464.1	547.6	781.5	998.5	1179.7	1266.5	1301.7
25°	569.5	553.1	520.1	476.7	437.7	500.3	775.5	1034.7	1240.1	1342.3	1369.8
27.5°	527.8	513.5	485.5	454.2	426.7	464.6	773.9	1082.5	1313.2	1434.6	1453.8
30°	487.2	474.0	452.0	433.9	422.4	443.8	768.4	1133.6	1400.5	1540.6	1561.4
32.5°	448.2	435.0	421.3	418.5	419.1	436.1	749.7	1184.1	1504.3	1694.3	1709.7
35°	414.7	399.3	393.8	400.4	412.5	422.9	697.0	1225.9	1615.8	1861.9	1874.5
37.5°	382.8	367.4	366.9	382.8	396.0	402.6	634.9	1267.1	1766.3	2032.1	2048.0
40°	353.7	338.3	343.8	363.0	373.5	376.8	559.7	1329.7	1925.6	2211.7	2202.9
42.5°	329.0	313.1	316.4	341.1	350.4	359.2	490.5	1381.8	2078.8	2382.0	2379.2
45°	304.8	292.7	290.5	317.5	325.7	360.8	439.9	1421.9	2276.0	2598.9	2603.3
47.5°	281.2	271.9	272.4	283.9	304.3	369.1	397.1	1448.3	2562.1	2942.7	2866.4
50°	259.8	252.6	258.7	245.5	290.5	358.6	360.3	1442.8	2881.8	3272.3	3119.0
52.5°	236.2	234.5	237.3	205.4	268.6	316.4	325.7	1369.8	3031.7	3497.4	3410.1
55°	212.0	211.5	189.5	164.2	224.6	252.6	279.0	1142.9	3026.8	3617.2	3723.2
57.5°	183.4	179.0	143.9	134.0	174.7	175.8	254.3	748.6	2682.4	3330.5	3550.2
60°	139.0	135.7	105.5	108.7	121.9	112.6	202.7	372.9	2004.7	2594.5	2842.2
62.5°	96.1	91.7	78.5	84.0	78.5	64.3	124.1	184.5	1214.3	1638.3	1863.0
65°	70.3	65.4	53.8	46.1	36.8	36.8	47.2	70.8	470.1	696.4	839.8
67.5°	43.4	41.2	31.9	23.1	22.5	24.2	24.7	35.2	75.8	120.8	147.7
70°	28.0	25.8	21.4	14.8	13.7	14.3	14.8	16.5	19.2	20.9	25.3
72.5°	19.2	18.1	15.4	8.2	6.6	7.1	7.7	7.7	9.3	8.8	10.4
75°	13.7	12.6	11.0	3.8	2.2	2.7	3.3	2.7	3.3	2.2	2.7
77.5°	3.8	3.8	2.7	0.5	0.0	0.5	1.1	1.1	0.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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°	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1	698.1
2.5°	791.4	804.1	809.0	801.9	807.9	798.0	794.2	779.3	778.2	775.5
5°	898.0	926.5	943.6	954.0	941.9	928.7	909.0	874.9	864.5	857.9
7.5°	1002.9	1047.4	1076.5	1090.2	1086.9	1060.0	1024.3	967.2	946.9	937.0
10°	1094.1	1148.4	1183.6	1200.6	1193.5	1169.8	1118.8	1047.4	1020.5	1014.4
12.5°	1157.8	1207.7	1231.9	1246.7	1247.3	1237.9	1189.6	1117.7	1085.8	1078.1
15°	1197.9	1219.3	1219.8	1228.6	1244.0	1264.9	1242.3	1178.6	1144.6	1133.0
17.5°	1223.1	1199.5	1175.3	1177.5	1202.8	1258.3	1281.3	1232.5	1196.2	1183.6
20°	1241.2	1166.5	1121.5	1122.1	1147.9	1231.9	1308.2	1284.6	1247.3	1235.7
22.5°	1252.8	1137.4	1073.2	1071.5	1099.0	1200.6	1333.0	1346.7	1309.9	1296.7
25°	1276.4	1123.7	1044.1	1053.4	1077.6	1190.7	1366.5	1429.1	1395.0	1377.4
27.5°	1318.7	1137.4	1041.3	1062.7	1090.2	1219.8	1424.7	1538.9	1503.8	1484.0
30°	1391.7	1189.1	1083.6	1113.3	1146.2	1296.2	1522.4	1692.2	1641.6	1623.0
32.5°	1509.3	1296.2	1214.3	1278.0	1309.9	1421.4	1669.1	1864.1	1822.9	1785.5
35°	1671.3	1540.6	1531.2	1679.5	1671.8	1658.7	1849.2	2075.0	2012.9	1976.6
37.5°	1894.3	1933.8	2003.0	2150.2	2145.3	2044.8	2085.9	2274.3	2242.5	2195.8
40°	2172.7	2256.8	2374.3	2585.2	2519.3	2393.0	2376.5	2478.6	2452.8	2397.9
42.5°	2336.9	2481.9	2706.0	2895.5	2842.8	2622.0	2603.3	2751.6	2695.0	2635.2
45°	2413.3	2665.4	3104.8	3361.2	3201.4	2774.1	2767.0	3107.5	3075.6	2995.5
47.5°	2448.4	2850.5	3571.6	3959.9	3661.1	2907.6	2881.8	3623.8	3582.0	3487.6
50°	2487.4	3105.8	4134.0	4653.6	4216.4	3058.6	3077.3	4104.9	4087.3	3975.8
52.5°	2573.1	3376.1	4826.6	5446.6	4889.7	3295.3	3412.9	4558.5	4439.9	4311.4
55°	2701.6	3670.4	5547.1	6256.7	5576.8	3613.3	3775.9	4799.7	4466.8	4324.6
57.5°	2559.4	3744.0	5973.9	6822.4	5881.6	3614.4	3468.9	4381.7	3928.6	3790.7
60°	2031.0	3483.2	5809.7	6700.0	5621.8	3209.7	2656.0	3421.1	2976.2	2884.0
62.5°	1373.1	2921.3	5114.4	5666.3	4811.7	2524.8	1726.2	2224.9	1842.6	1766.3
65°	752.4	2179.3	4132.3	4286.7	3766.0	1763.6	888.1	965.5	735.4	701.4
67.5°	207.6	1517.0	3040.5	2843.9	2642.3	1148.4	229.6	172.5	123.0	121.9
70°	52.2	1003.4	1821.8	1877.8	1620.2	735.4	43.9	20.9	16.5	15.9
72.5°	22.0	431.7	864.5	993.5	829.3	340.5	15.9	6.0	4.9	3.8
75°	2.7	34.6	73.6	111.5	76.3	36.8	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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