

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: P634082

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634082
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-SA3B-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7180.8 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

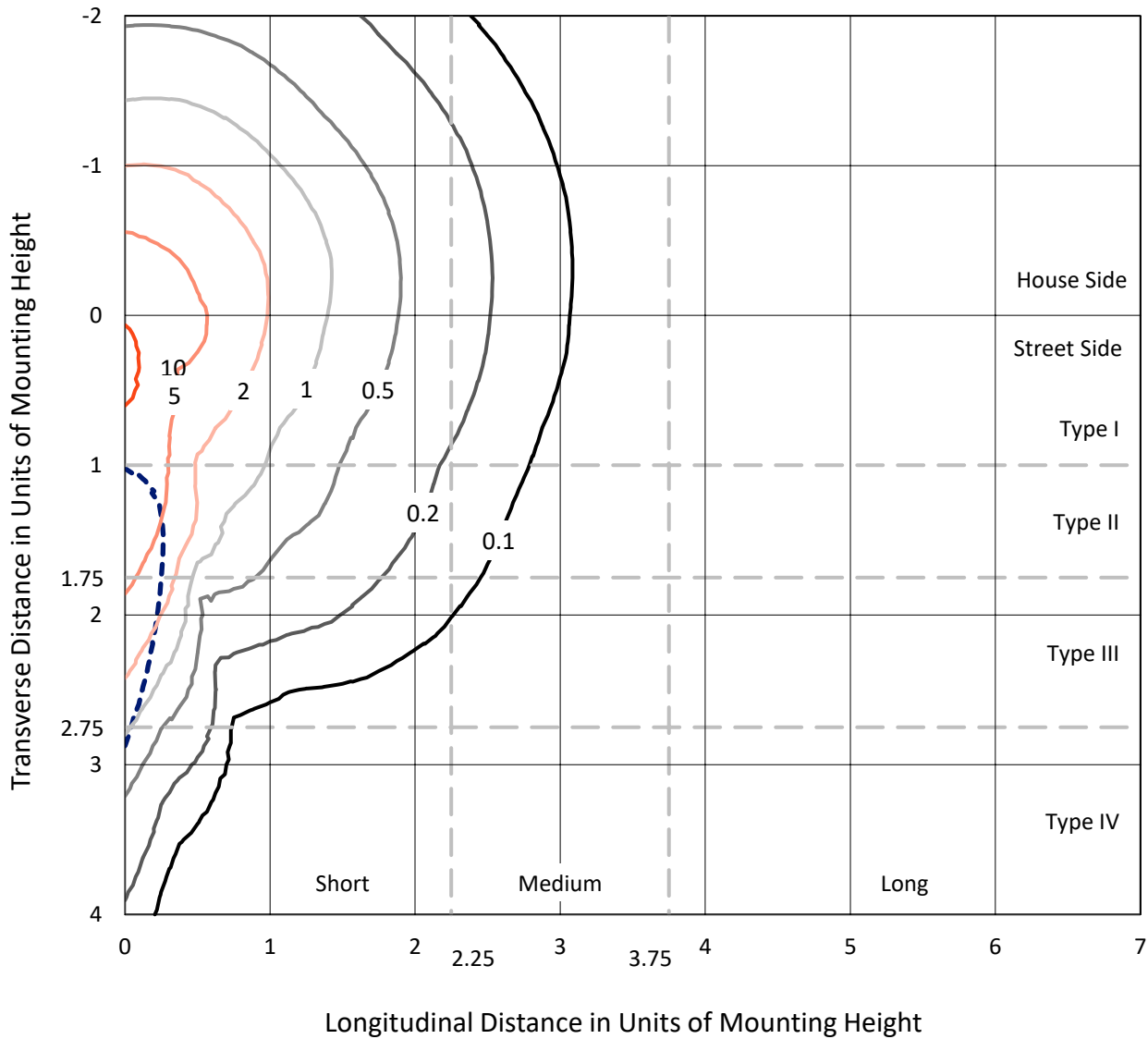


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Iso-Footcandle Lines of Horizontal Illumination

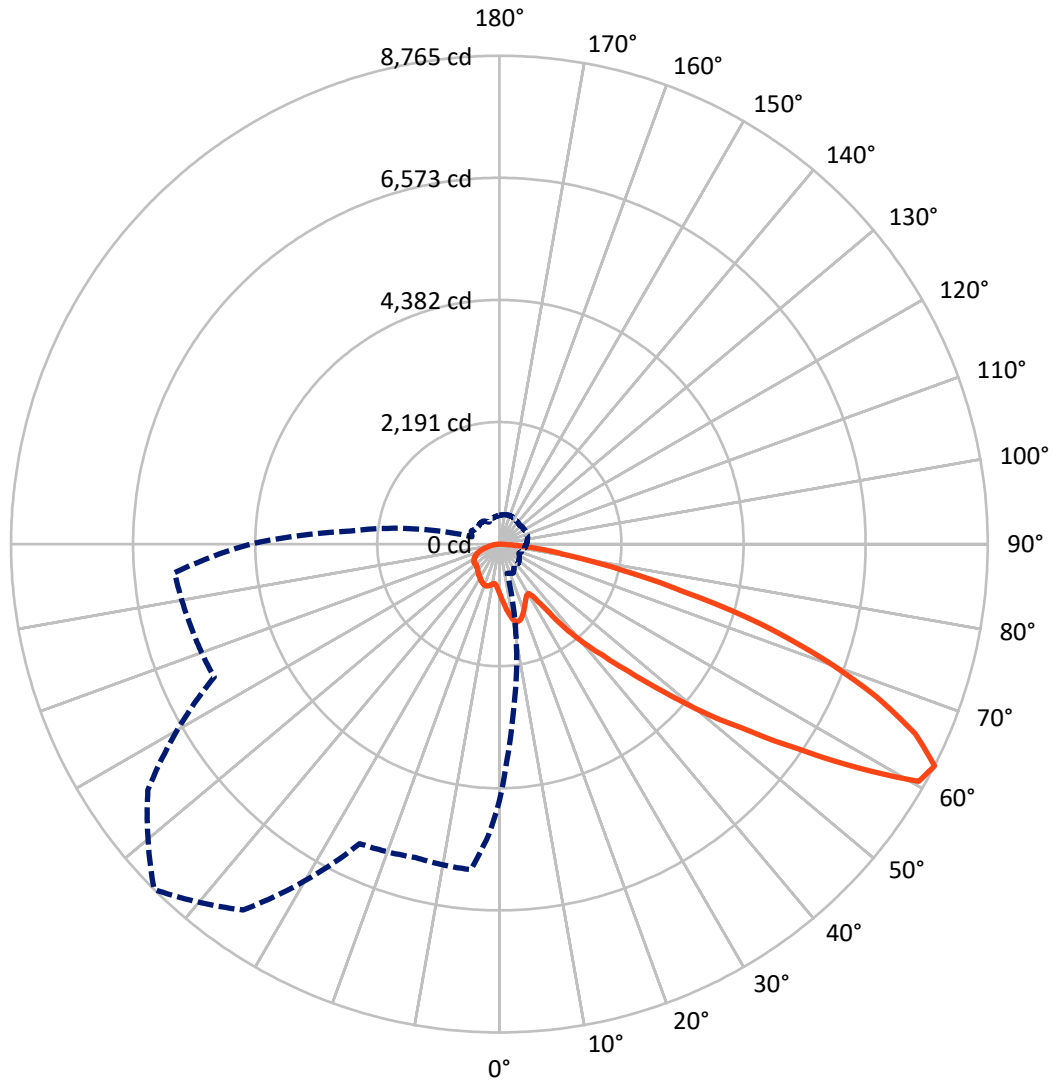
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 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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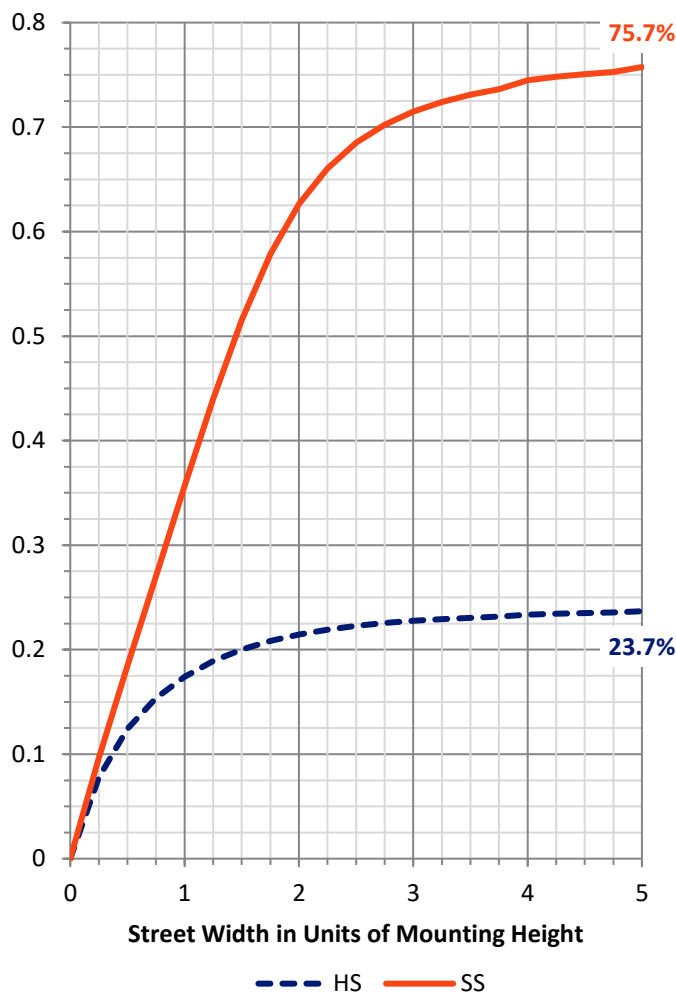
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1716.9	0.0	1716.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5463.9	0.0	5463.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	7180.8	0.0	7180.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.2
10°-20°	286.7	4.0
20°-30°	451.3	6.3
30°-40°	618.5	8.6
40°-50°	965.1	13.4
50°-60°	1664.0	23.2
60°-70°	1928.4	26.9
70°-80°	1017.9	14.2
80°-90°	160.8	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°	7180.8	100.0
0°-180°	7180.8	100.0

Coefficient of Utilization



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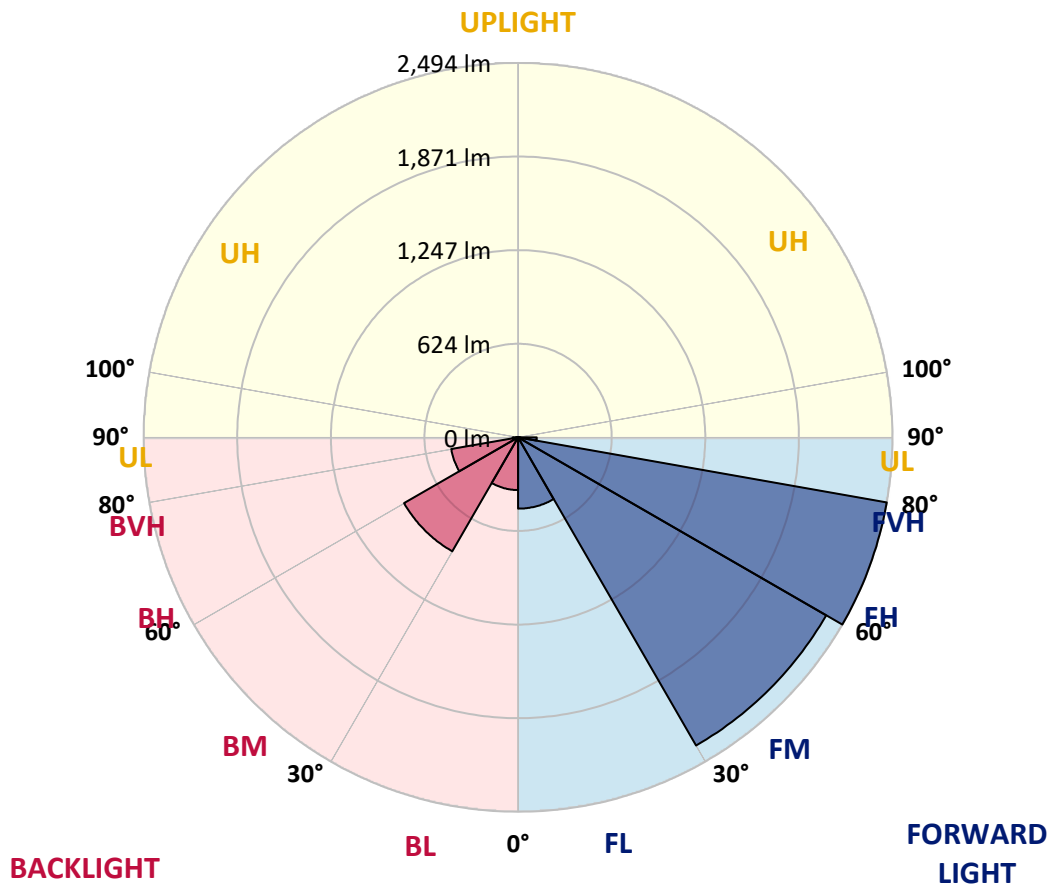
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.9	6.6			
FM (30°-60°)	2370.6	33.0			
FH (60°-80°)	2494.2	34.7			G2/5000
FVH (80°-90°)	124.1	1.7			G2/225
BL (0°-30°)	351.2	4.9	B1/500		
BM (30°-60°)	877.0	12.2	B1/1000		
BH (60°-80°)	452.1	6.3	B1/500		G1/500
BVH (80°-90°)	36.7	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	972.7	968.9	963.4	944.7	933.2	920.0	906.3	890.4	872.2	859.6	847.0
5°	1055.1	1049.1	1035.9	991.4	960.7	927.2	899.1	867.3	836.0	814.6	793.1
7.5°	1134.2	1126.5	1106.2	1038.1	988.1	939.8	897.5	851.4	804.7	772.8	747.5
10°	1213.3	1197.4	1171.6	1082.6	1016.7	960.7	912.3	855.8	793.7	750.3	723.4
12.5°	1273.7	1258.9	1230.9	1123.2	1045.2	974.9	920.6	868.4	815.7	769.5	742.1
15°	1330.3	1311.1	1279.2	1161.1	1068.9	974.4	904.1	858.5	850.8	839.3	803.6
17.5°	1371.0	1353.4	1320.4	1191.9	1082.0	957.4	858.5	831.6	866.2	901.3	867.3
20°	1406.7	1386.3	1352.8	1213.3	1084.8	919.5	803.0	803.6	857.9	906.3	898.0
22.5°	1436.9	1414.3	1384.7	1237.5	1083.7	866.7	754.7	787.6	842.0	879.9	881.0
25°	1474.2	1455.5	1430.8	1273.2	1083.7	812.9	719.5	768.4	815.1	847.0	845.9
27.5°	1519.8	1507.2	1486.9	1327.6	1093.6	767.9	699.8	743.7	780.5	808.0	807.4
30°	1570.9	1559.4	1544.0	1385.2	1110.6	734.4	688.8	712.9	739.9	761.8	761.8
32.5°	1623.1	1618.7	1602.2	1431.4	1097.4	723.9	679.4	682.2	696.5	714.6	712.9
35°	1695.6	1691.2	1670.3	1467.1	1040.3	709.1	664.6	650.9	652.5	664.1	667.9
37.5°	1801.6	1795.0	1764.2	1508.8	954.1	671.7	640.4	617.9	613.0	617.9	625.1
40°	1929.6	1919.7	1877.9	1565.4	854.7	621.2	602.5	583.9	575.6	577.3	585.5
42.5°	2089.9	2069.1	2009.2	1625.3	756.3	576.7	560.2	548.7	539.4	538.3	554.2
45°	2350.3	2293.2	2198.1	1678.5	673.4	553.1	522.3	514.1	506.4	510.8	529.5
47.5°	2805.1	2699.6	2514.5	1724.1	622.9	553.7	492.1	483.4	482.8	491.6	512.5
50°	3430.1	3278.0	2992.4	1754.9	596.5	560.2	474.0	459.7	470.2	479.0	498.7
52.5°	4028.8	3796.5	3456.5	1754.3	585.0	561.3	479.0	437.8	470.2	472.4	491.0
55°	4540.2	4119.5	3581.7	1574.2	568.5	557.0	498.2	420.7	464.1	472.4	487.2
57.5°	4946.7	4324.9	3572.4	1271.5	618.5	532.8	509.7	416.9	446.6	473.5	490.5
60°	4901.6	4231.0	3342.3	780.5	613.5	489.9	508.1	424.0	416.9	458.6	486.6
62.5°	4602.3	3894.3	2946.2	541.6	576.2	465.2	481.2	436.7	389.4	437.2	468.0
65°	4183.2	3459.8	2455.2	415.2	477.3	466.3	435.6	427.9	365.3	403.2	436.1
67.5°	3629.0	2921.0	1938.3	329.0	332.9	403.7	395.5	380.1	342.7	372.9	402.6
70°	2728.2	2131.7	1333.6	264.7	252.1	337.2	355.4	341.6	320.8	329.6	360.9
72.5°	1922.4	1391.8	730.5	209.8	194.4	259.3	308.7	306.5	283.4	290.0	320.8
75°	1428.6	984.8	456.4	165.9	158.2	185.7	258.7	265.3	246.1	253.8	277.4
77.5°	950.8	637.7	253.8	123.0	123.0	135.7	192.8	223.5	209.3	215.3	231.8
80°	524.5	324.6	126.9	80.7	82.9	93.4	140.6	160.9	161.5	176.3	180.7
82.5°	165.9	103.3	56.6	47.2	44.5	53.3	90.6	115.3	107.7	137.3	126.3
85°	37.9	24.2	10.4	10.4	11.5	17.6	34.6	61.5	78.5	94.5	68.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	24.2	35.7	31.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	839.3	828.3	825.0	815.7	814.6	805.8	802.5	802.5	806.3	806.3	810.2
5°	784.3	770.6	762.9	751.9	749.2	742.6	738.2	738.8	743.7	747.0	753.6
7.5°	736.0	726.7	721.2	716.2	715.1	714.0	709.1	708.5	710.2	715.1	720.1
10°	715.7	709.1	710.7	714.6	720.6	723.9	719.5	717.3	715.7	719.0	723.4
12.5°	735.5	728.9	732.2	738.8	747.0	750.3	748.6	748.1	749.7	762.4	771.7
15°	778.9	766.2	761.8	764.6	771.2	774.5	772.8	775.0	785.4	818.4	842.0
17.5°	832.7	801.9	784.3	779.4	782.1	784.9	784.9	790.4	808.5	856.8	886.5
20°	861.8	821.7	792.0	780.0	781.1	783.8	783.8	791.5	811.8	863.4	882.7
22.5°	854.1	817.3	781.1	767.9	768.4	770.6	770.6	777.2	795.3	840.9	849.7
25°	823.9	791.5	755.8	744.3	745.3	749.2	748.1	751.9	765.7	803.0	808.0
27.5°	787.6	759.1	723.9	715.1	720.1	727.8	721.2	721.7	734.4	765.7	766.2
30°	748.6	725.0	693.7	687.1	696.5	700.3	694.3	694.3	706.9	728.3	727.8
32.5°	706.4	691.5	669.0	661.9	672.3	678.3	670.6	671.7	681.6	695.9	690.4
35°	666.8	659.1	648.7	643.7	650.3	655.8	650.9	653.1	662.4	666.3	658.6
37.5°	628.9	627.8	628.9	628.9	630.6	632.2	628.9	634.4	642.6	637.7	628.9
40°	595.9	600.3	610.8	608.0	606.4	608.0	605.8	615.2	623.4	614.6	604.2
42.5°	568.5	576.7	592.7	592.7	589.4	590.5	589.4	600.9	606.9	594.9	583.3
45°	544.9	557.0	577.3	580.0	574.5	574.5	576.7	591.0	593.2	576.7	564.6
47.5°	528.4	543.2	566.3	571.2	563.0	562.4	568.5	583.9	583.9	564.6	550.9
50°	516.9	533.3	560.8	567.4	559.1	557.0	566.8	581.7	578.4	555.3	541.6
52.5°	509.2	526.2	560.2	569.6	564.1	561.9	571.8	582.2	574.0	549.3	535.0
55°	504.2	522.9	561.9	569.6	563.5	559.7	569.6	578.9	574.5	546.0	532.2
57.5°	507.0	525.6	559.7	563.5	556.4	549.8	561.3	574.5	572.9	547.1	533.3
60°	502.6	519.6	547.6	548.7	536.6	526.2	543.2	563.0	563.0	543.2	531.1
62.5°	482.3	499.3	524.0	525.1	511.4	499.8	519.6	543.2	542.7	526.7	514.1
65°	448.7	464.7	492.7	495.4	481.7	469.6	489.9	511.9	513.6	499.3	488.3
67.5°	411.9	426.2	447.1	458.1	446.6	433.9	452.6	473.5	472.9	455.9	444.4
70°	368.0	381.2	400.4	409.7	402.6	390.5	407.6	418.5	413.6	405.4	397.7
72.5°	324.6	337.2	355.4	355.4	347.7	336.1	341.1	360.9	366.9	360.9	355.9
75°	279.0	290.0	302.6	305.4	288.4	267.5	290.6	307.6	314.7	312.0	305.9
77.5°	232.3	240.6	259.3	254.3	222.5	211.5	230.1	255.4	260.4	258.7	250.5
80°	179.1	184.0	203.8	193.9	169.2	162.0	170.3	190.0	191.1	185.7	175.2
82.5°	120.3	126.9	140.1	120.8	120.3	113.7	107.1	109.3	119.2	118.1	111.0
85°	61.5	64.8	77.4	72.5	62.1	53.8	51.1	54.4	48.9	44.5	38.4
87.5°	25.8	28.0	38.4	21.4	6.6	0.0	0.0	3.3	4.9	7.1	7.7
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°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	818.9	825.0	839.8	858.5	876.6	895.3	915.6	928.3	943.6	963.4	964.0
5°	761.8	775.6	797.0	825.5	855.2	889.3	928.8	961.8	1001.3	1032.6	1045.2
7.5°	726.7	746.4	773.4	809.6	848.6	890.9	942.5	998.0	1062.8	1104.6	1129.3
10°	730.0	760.2	787.1	817.9	853.0	898.6	965.1	1038.7	1118.3	1173.2	1204.0
12.5°	788.7	820.6	815.7	814.0	837.6	893.1	983.2	1079.8	1177.1	1232.0	1268.8
15°	862.9	875.0	828.3	793.1	807.4	873.3	993.1	1116.6	1226.0	1293.0	1329.2
17.5°	900.8	876.6	820.0	767.3	763.5	843.1	998.0	1154.0	1280.9	1347.9	1386.3
20°	883.2	848.1	800.3	750.3	722.8	801.9	995.3	1183.7	1330.9	1405.6	1436.9
22.5°	845.3	814.6	777.2	729.4	689.9	756.9	988.1	1213.3	1375.4	1450.6	1478.1
25°	804.1	781.1	750.3	708.5	671.2	717.3	983.2	1252.9	1426.4	1498.4	1516.0
27.5°	762.9	745.9	720.6	688.2	666.8	689.9	984.8	1304.5	1492.3	1560.5	1553.3
30°	722.3	707.4	689.9	675.6	666.3	683.3	980.4	1359.4	1564.8	1628.0	1585.7
32.5°	683.8	670.1	659.1	661.3	666.8	686.0	957.9	1409.4	1631.3	1685.1	1620.9
35°	650.9	636.6	636.6	644.3	664.6	676.7	899.7	1448.4	1704.9	1758.7	1670.9
37.5°	620.1	607.5	615.7	628.4	647.6	651.4	825.0	1486.3	1812.0	1862.5	1748.3
40°	593.2	580.6	595.4	611.3	621.2	619.6	749.2	1539.0	1938.3	1990.5	1851.0
42.5°	571.8	560.2	573.4	593.8	595.4	597.0	693.7	1589.6	2085.0	2151.5	2027.9
45°	554.2	546.0	552.6	572.9	572.9	598.1	659.1	1631.9	2305.8	2423.3	2352.5
47.5°	540.5	535.5	538.8	545.4	556.4	617.9	637.1	1664.3	2707.9	2938.6	2867.1
50°	532.8	527.8	532.2	518.5	551.5	627.8	630.0	1689.0	3237.9	3599.3	3510.9
52.5°	526.2	524.5	527.3	495.4	562.4	621.2	624.5	1656.0	3593.3	4249.6	4337.0
55°	524.0	525.1	511.9	478.4	575.6	599.2	608.0	1420.4	3689.9	4810.4	5352.6
57.5°	525.1	521.8	488.3	480.1	576.2	555.3	631.7	1013.4	3549.3	5054.3	6346.2
60°	521.2	504.8	459.7	494.9	550.9	503.7	614.6	660.8	3178.6	4867.0	6403.8
62.5°	504.2	480.1	435.0	503.1	505.9	472.9	558.1	509.2	2684.2	4466.0	5848.0
65°	479.5	447.1	414.1	486.1	460.3	458.6	419.6	408.1	2158.6	3988.7	5320.7
67.5°	438.9	406.5	398.8	447.1	414.1	406.5	337.2	338.3	1722.5	3480.1	4790.7
70°	392.7	360.3	366.4	404.3	368.6	337.8	273.0	281.8	1306.7	2899.6	4076.1
72.5°	362.5	319.1	319.7	355.9	324.1	273.5	224.6	232.3	829.4	2185.5	3240.6
75°	305.9	281.2	269.1	288.4	275.2	213.1	188.9	187.3	491.6	1566.5	2426.6
77.5°	255.4	236.2	230.1	237.8	205.4	157.6	152.1	149.4	278.5	1003.5	1590.1
80°	185.1	180.2	179.6	183.5	158.2	115.9	115.9	116.4	149.9	544.9	896.4
82.5°	117.5	128.5	113.7	126.3	107.7	82.4	76.9	87.3	86.2	232.3	377.9
85°	48.9	67.0	62.6	66.5	51.1	45.0	48.3	52.2	50.0	89.5	147.2
87.5°	9.3	11.0	12.1	11.5	11.5	14.3	15.9	19.2	19.2	25.8	44.5
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°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	984.8	1000.8	997.5	1004.6	995.3	998.6	979.9	974.9	971.6	972.7
5°	1085.9	1118.3	1124.3	1136.4	1128.2	1128.2	1095.2	1070.5	1061.7	1055.1
7.5°	1188.6	1235.3	1266.0	1269.3	1265.0	1256.2	1208.4	1163.9	1148.0	1134.2
10°	1279.8	1335.8	1370.4	1386.9	1378.6	1364.9	1305.6	1244.6	1225.4	1213.3
12.5°	1349.5	1399.0	1422.0	1433.0	1431.9	1427.0	1378.6	1312.7	1292.4	1273.7
15°	1394.6	1419.3	1410.5	1410.0	1417.6	1437.4	1422.6	1371.0	1347.3	1330.3
17.5°	1423.7	1400.1	1361.1	1342.9	1359.4	1406.1	1440.2	1411.1	1389.6	1371.0
20°	1434.1	1350.1	1293.5	1260.0	1279.2	1346.8	1430.8	1440.2	1422.0	1406.7
22.5°	1422.0	1289.1	1212.2	1172.7	1191.3	1272.1	1403.4	1463.8	1451.7	1436.9
25°	1392.4	1225.4	1133.1	1097.4	1117.7	1200.1	1354.5	1485.8	1486.3	1474.2
27.5°	1355.6	1166.6	1077.7	1044.1	1063.9	1140.8	1306.7	1505.0	1524.2	1519.8
30°	1318.2	1131.5	1051.3	1027.7	1042.5	1110.6	1257.8	1524.8	1563.2	1570.9
32.5°	1301.2	1148.5	1113.4	1123.8	1104.6	1128.2	1240.2	1552.8	1610.4	1623.1
35°	1323.7	1299.6	1388.5	1429.7	1361.6	1272.1	1262.8	1595.1	1676.9	1695.6
37.5°	1433.0	1623.1	1756.0	1901.0	1782.9	1585.7	1374.3	1667.0	1771.9	1801.6
40°	1670.9	1905.4	2145.4	2332.7	2154.2	1888.9	1586.3	1774.1	1902.6	1929.6
42.5°	1895.0	2170.1	2500.8	2743.0	2511.2	2136.6	1814.8	1954.3	2075.1	2089.9
45°	2114.7	2429.9	2930.9	3267.6	2952.8	2372.3	2048.2	2258.6	2349.7	2350.3
47.5°	2372.3	2722.7	3470.2	3949.7	3538.9	2633.2	2267.4	2740.3	2867.1	2805.1
50°	2680.4	3013.8	4025.5	4743.4	4253.5	2953.9	2545.8	3327.4	3500.4	3430.1
52.5°	3092.9	3334.6	4637.4	5517.3	5032.3	3319.2	2949.5	4103.0	4160.1	4028.8
55°	3673.5	3797.6	5422.9	6473.1	5901.8	3769.0	3540.0	5076.3	4916.4	4540.2
57.5°	4995.5	4530.3	6431.3	7563.3	6885.5	4586.3	4834.1	6149.5	5581.1	4946.7
60°	6101.8	5420.1	7364.5	8645.4	7728.7	5487.1	6049.0	6336.3	5556.3	4901.6
62.5°	5728.8	5647.0	7701.2	8764.6	8016.5	5930.4	5823.3	5865.6	5193.8	4602.3
65°	5026.3	5209.2	7400.8	8199.4	7697.4	5533.3	5267.4	5430.6	4779.1	4183.2
67.5°	4611.6	4746.2	6866.3	7294.7	7117.3	5103.7	4835.2	4717.1	4135.4	3629.0
70°	4187.6	4299.1	6116.0	6159.4	6212.7	4389.7	3953.6	3602.1	3082.5	2728.2
72.5°	3618.5	3624.6	5167.5	4915.9	5017.0	3435.1	3182.4	2693.0	2243.7	1922.4
75°	3035.8	2869.9	4090.4	3436.2	3638.9	2672.2	2642.5	2029.5	1692.3	1428.6
77.5°	2314.6	2120.7	2988.0	2259.7	2555.7	1779.6	1986.7	1376.5	1190.8	950.8
80°	1553.9	1433.0	1651.1	1275.4	1672.0	1226.5	1295.7	780.0	676.1	524.5
82.5°	819.5	699.8	1020.5	756.3	1008.4	673.9	486.1	241.1	205.4	165.9
85°	317.5	367.5	500.4	269.1	391.1	240.6	140.6	59.9	50.0	37.9
87.5°	61.5	95.0	52.2	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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