

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: P634412

Luminaire Tested: GWS-SA3B-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634412
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-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9835.4 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

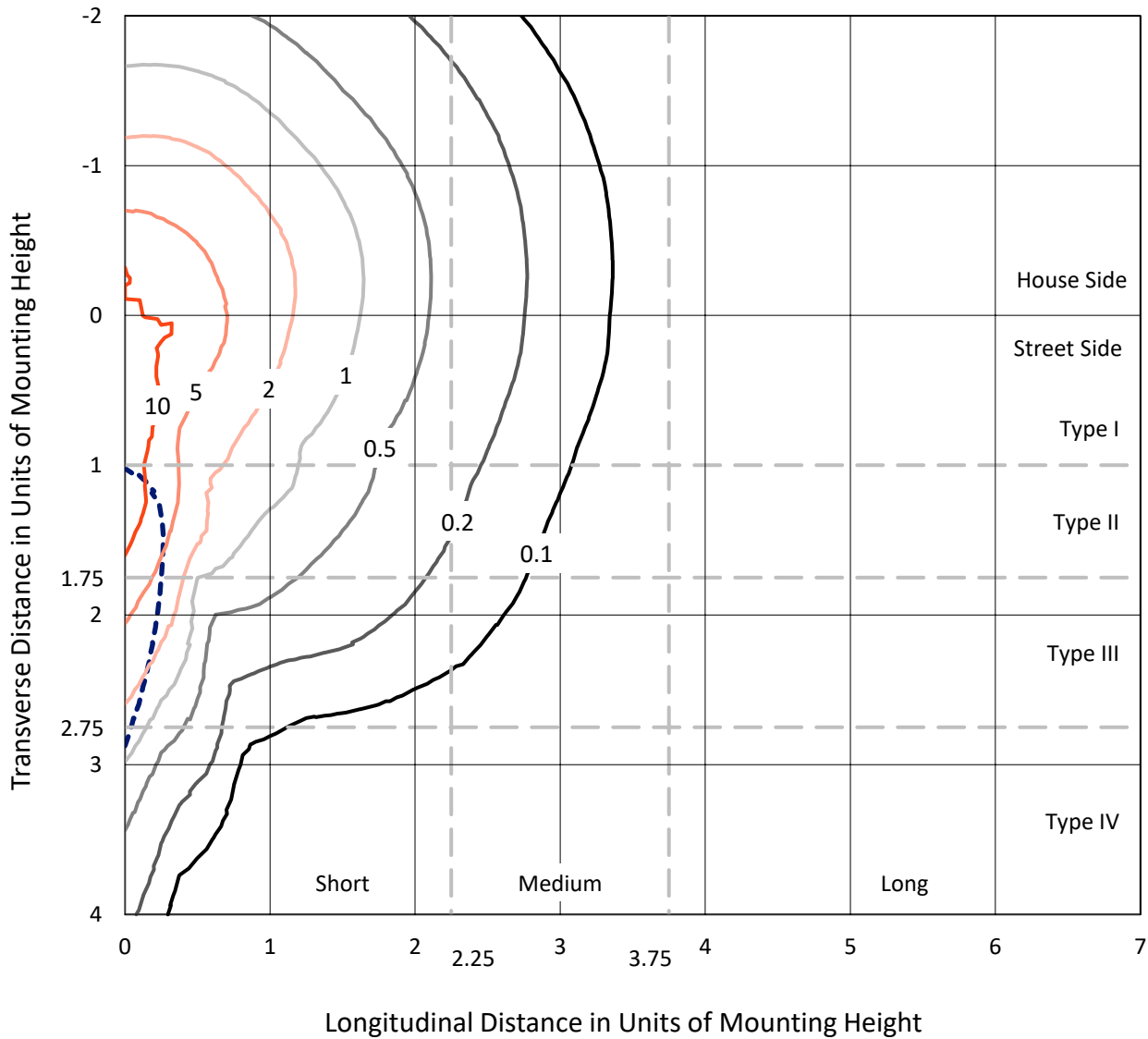
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

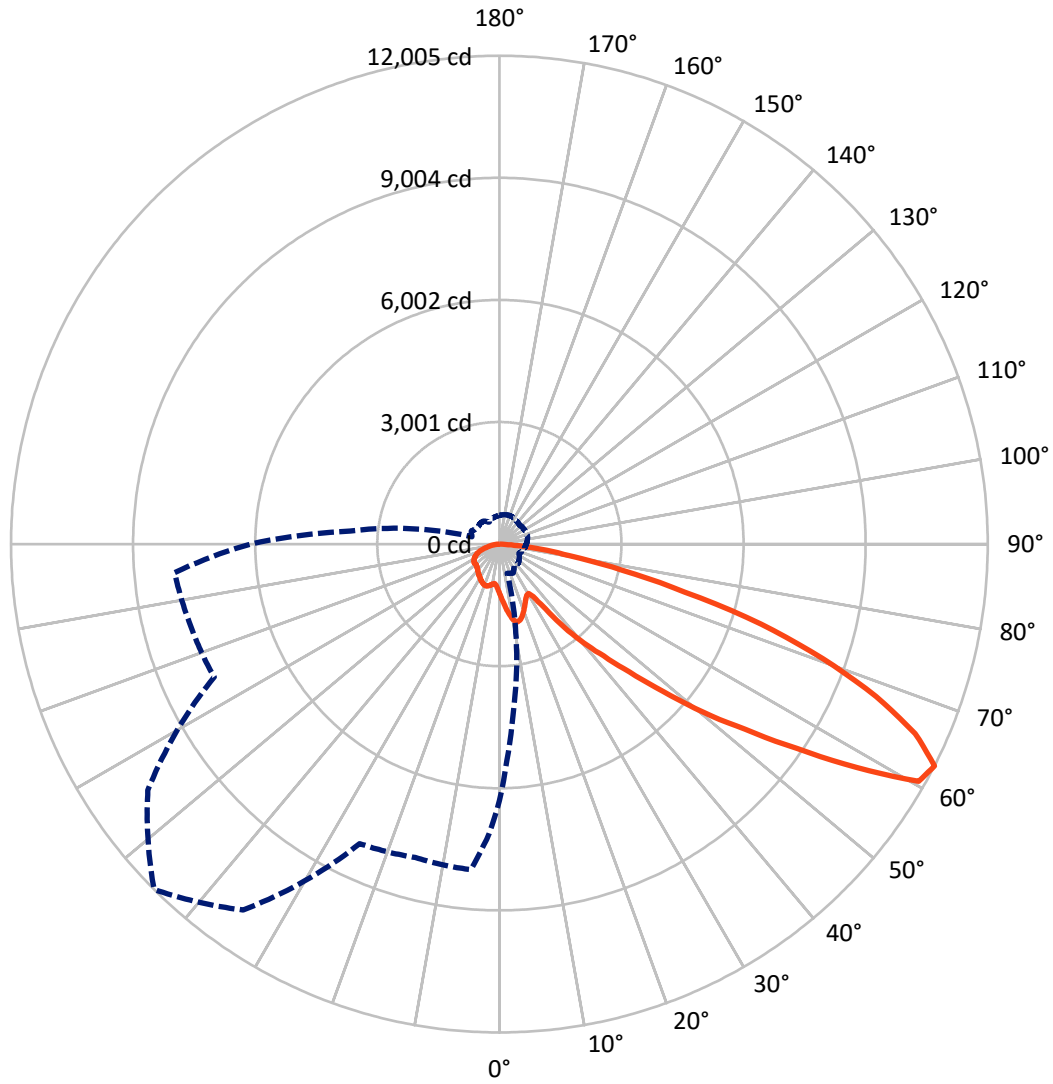
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 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	2351.7	0.0	2351.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7483.7	0.0	7483.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	9835.4	0.0	9835.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.2
10°-20°	392.6	4.0
20°-30°	618.1	6.3
30°-40°	847.2	8.6
40°-50°	1321.9	13.4
50°-60°	2279.2	23.2
60°-70°	2641.3	26.9
70°-80°	1394.2	14.2
80°-90°	220.2	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°	9835.4	100.0
0°-180°	9835.4	100.0

Coefficient of Utilization



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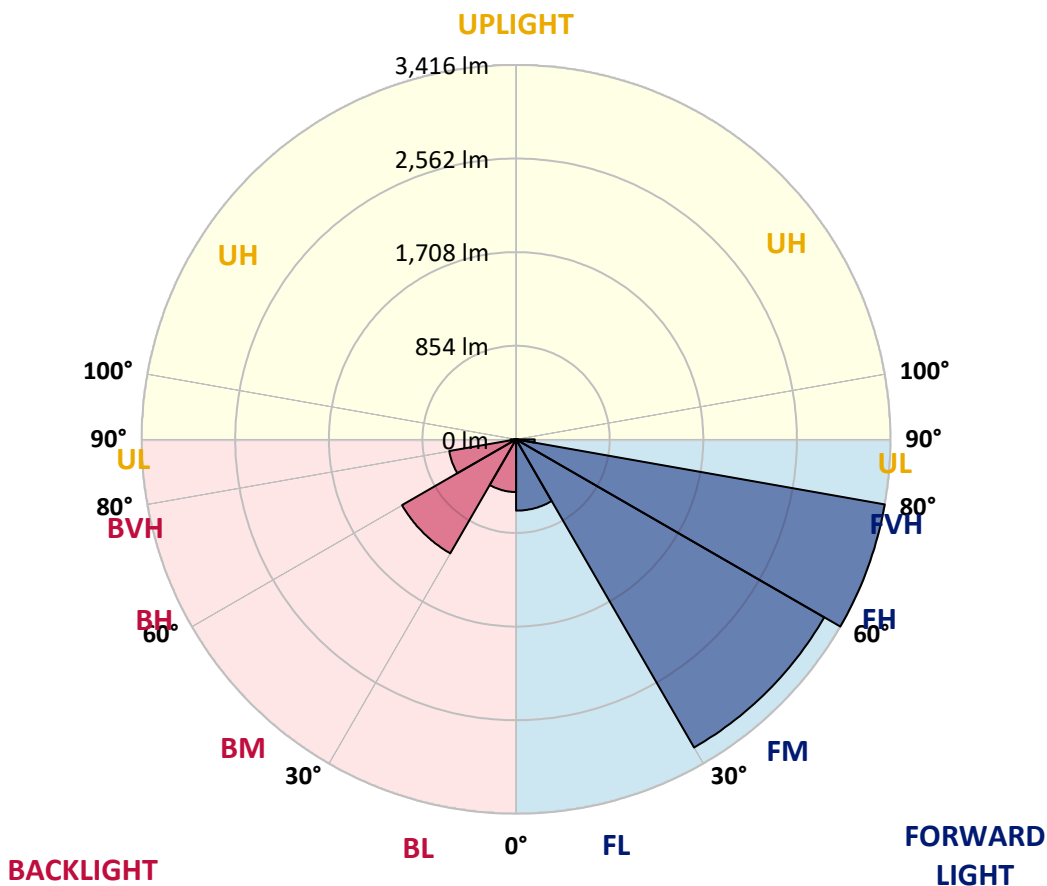
CATALOG NUMBER: GWS-SA3B-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.5	6.6			
FM (30°-60°)	3247.0	33.0			
FH (60°-80°)	3416.2	34.7			G2/5000
FVH (80°-90°)	170.0	1.7			G2/225
BL (0°-30°)	481.0	4.9	B1/500		
BM (30°-60°)	1201.2	12.2	B2/2500		
BH (60°-80°)	619.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	50.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3
2.5°	1332.3	1327.1	1319.6	1294.0	1278.2	1260.1	1241.3	1219.5	1194.7	1177.4	1160.1
5°	1445.2	1436.9	1418.9	1357.9	1315.8	1269.9	1231.5	1187.9	1145.0	1115.7	1086.3
7.5°	1553.5	1543.0	1515.2	1421.9	1353.4	1287.2	1229.3	1166.1	1102.1	1058.5	1023.9
10°	1661.9	1640.0	1604.7	1482.8	1392.5	1315.8	1249.6	1172.1	1087.1	1027.7	990.8
12.5°	1744.6	1724.3	1685.9	1538.5	1431.7	1335.4	1260.9	1189.4	1117.2	1054.0	1016.4
15°	1822.1	1795.8	1752.1	1590.4	1464.0	1334.6	1238.3	1175.9	1165.3	1149.5	1100.6
17.5°	1877.8	1853.7	1808.6	1632.5	1482.1	1311.3	1175.9	1139.0	1186.4	1234.5	1187.9
20°	1926.7	1898.8	1852.9	1661.9	1485.8	1259.4	1099.9	1100.6	1175.1	1241.3	1230.0
22.5°	1968.1	1937.2	1896.6	1695.0	1484.3	1187.2	1033.7	1078.8	1153.3	1205.2	1206.7
25°	2019.2	1993.6	1959.8	1743.9	1484.3	1113.4	985.5	1052.5	1116.4	1160.1	1158.6
27.5°	2081.7	2064.3	2036.5	1818.3	1497.9	1051.7	958.4	1018.6	1069.0	1106.7	1105.9
30°	2151.6	2135.8	2114.8	1897.3	1521.2	1005.8	943.4	976.5	1013.4	1043.5	1043.5
32.5°	2223.1	2217.1	2194.5	1960.5	1503.1	991.5	930.6	934.4	953.9	978.8	976.5
35°	2322.4	2316.4	2287.8	2009.4	1424.9	971.2	910.3	891.5	893.7	909.5	914.8
37.5°	2467.6	2458.6	2416.4	2066.6	1306.8	920.1	877.2	846.4	839.6	846.4	856.1
40°	2642.9	2629.3	2572.2	2144.1	1170.6	850.9	825.3	799.7	788.4	790.7	802.0
42.5°	2862.6	2834.0	2752.0	2226.1	1035.9	789.9	767.4	751.6	738.8	737.3	759.1
45°	3219.1	3140.9	3010.8	2299.1	922.3	757.6	715.4	704.2	693.6	699.7	725.2
47.5°	3842.1	3697.6	3444.1	2361.5	853.1	758.3	674.1	662.0	661.3	673.3	701.9
50°	4698.2	4489.8	4098.6	2403.6	817.0	767.4	649.2	629.7	644.0	656.0	683.1
52.5°	5518.2	5200.0	4734.3	2402.9	801.2	768.9	656.0	599.6	644.0	647.0	672.6
55°	6218.6	5642.3	4905.8	2156.1	778.6	762.8	682.3	576.3	635.7	647.0	667.3
57.5°	6775.3	5923.7	4893.0	1741.6	847.1	729.7	698.1	571.0	611.6	648.5	671.8
60°	6713.6	5795.1	4577.8	1069.0	840.3	671.1	695.9	580.8	571.0	628.2	666.5
62.5°	6303.6	5333.9	4035.4	741.8	789.2	637.2	659.0	598.1	533.4	598.8	641.0
65°	5729.6	4738.8	3362.8	568.7	653.8	638.7	596.6	586.1	500.3	552.2	597.3
67.5°	4970.5	4000.8	2654.9	450.6	455.9	553.0	541.7	520.6	469.4	510.8	551.4
70°	3736.7	2919.7	1826.6	362.6	345.3	461.9	486.7	467.9	439.4	451.4	494.3
72.5°	2633.1	1906.4	1000.6	287.4	266.3	355.1	422.8	419.8	388.2	397.2	439.4
75°	1956.8	1348.9	625.2	227.2	216.7	254.3	354.3	363.4	337.0	347.6	379.9
77.5°	1302.3	873.4	347.6	168.5	168.5	185.8	264.1	306.2	286.6	294.9	317.5
80°	718.5	444.6	173.8	110.6	113.6	127.9	192.6	220.4	221.2	241.5	247.5
82.5°	227.2	141.4	77.5	64.7	60.9	73.0	124.1	158.0	147.5	188.1	173.0
85°	51.9	33.1	14.3	14.3	15.8	24.1	47.4	84.3	107.6	129.4	94.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	33.1	48.9	43.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3
2.5°	1149.5	1134.5	1130.0	1117.2	1115.7	1103.6	1099.1	1099.1	1104.4	1104.4	1109.7
5°	1074.3	1055.5	1045.0	1029.9	1026.2	1017.1	1011.1	1011.9	1018.6	1023.1	1032.2
7.5°	1008.1	995.3	987.8	981.0	979.5	978.0	971.2	970.5	972.7	979.5	986.3
10°	980.3	971.2	973.5	978.8	987.0	991.5	985.5	982.5	980.3	984.8	990.8
12.5°	1007.3	998.3	1002.8	1011.9	1023.1	1027.7	1025.4	1024.7	1026.9	1044.2	1057.0
15°	1066.8	1049.5	1043.5	1047.2	1056.2	1060.8	1058.5	1061.5	1075.8	1120.9	1153.3
17.5°	1140.5	1098.4	1074.3	1067.5	1071.3	1075.1	1075.1	1082.6	1107.4	1173.6	1214.2
20°	1180.4	1125.5	1084.8	1068.3	1069.8	1073.6	1073.6	1084.1	1111.9	1182.6	1209.0
22.5°	1169.8	1119.4	1069.8	1051.7	1052.5	1055.5	1055.5	1064.5	1089.3	1151.8	1163.8
25°	1128.5	1084.1	1035.2	1019.4	1020.9	1026.2	1024.7	1029.9	1048.7	1099.9	1106.7
27.5°	1078.8	1039.7	991.5	979.5	986.3	996.8	987.8	988.5	1005.8	1048.7	1049.5
30°	1025.4	993.1	950.2	941.1	953.9	959.2	950.9	950.9	968.2	997.6	996.8
32.5°	967.5	947.2	916.3	906.5	920.8	929.1	918.6	920.1	933.6	953.2	945.7
35°	913.3	902.8	888.5	881.7	890.7	898.3	891.5	894.5	907.3	912.6	902.0
37.5°	861.4	859.9	861.4	861.4	863.7	865.9	861.4	868.9	880.2	873.4	861.4
40°	816.3	822.3	836.6	832.8	830.6	832.8	829.8	842.6	853.9	841.8	827.5
42.5°	778.6	789.9	811.7	811.7	807.2	808.7	807.2	823.0	831.3	814.8	799.0
45°	746.3	762.8	790.7	794.4	786.9	786.9	789.9	809.5	812.5	789.9	773.4
47.5°	723.7	744.0	775.6	782.4	771.1	770.4	778.6	799.7	799.7	773.4	754.6
50°	707.9	730.5	768.1	777.1	765.9	762.8	776.4	796.7	792.2	760.6	741.8
52.5°	697.4	720.7	767.4	780.1	772.6	769.6	783.2	797.5	786.2	752.3	732.8
55°	690.6	716.2	769.6	780.1	771.9	766.6	780.1	792.9	786.9	747.8	729.0
57.5°	694.4	720.0	766.6	771.9	762.1	753.1	768.9	786.9	784.7	749.3	730.5
60°	688.4	711.7	750.1	751.6	735.0	720.7	744.0	771.1	771.1	744.0	727.5
62.5°	660.5	683.9	717.7	719.2	700.4	684.6	711.7	744.0	743.3	721.5	704.2
65°	614.6	636.5	674.8	678.6	659.8	643.2	671.1	701.2	703.4	683.9	668.8
67.5°	564.2	583.8	612.4	627.4	611.6	594.3	619.9	648.5	647.7	624.4	608.6
70°	504.0	522.1	548.4	561.2	551.4	534.9	558.2	573.3	566.5	555.2	544.7
72.5°	444.6	461.9	486.7	486.7	476.2	460.4	467.2	494.3	502.5	494.3	487.5
75°	382.2	397.2	414.5	418.3	395.0	366.4	398.0	421.3	431.1	427.3	419.0
77.5°	318.2	329.5	355.1	348.3	304.7	289.6	315.2	349.8	356.6	354.3	343.1
80°	245.3	252.0	279.1	265.6	231.7	221.9	233.2	260.3	261.8	254.3	240.0
82.5°	164.8	173.8	191.8	165.5	164.8	155.7	146.7	149.7	163.3	161.7	152.0
85°	84.3	88.8	106.1	99.3	85.0	73.7	70.0	74.5	67.0	60.9	52.7
87.5°	35.4	38.4	52.7	29.3	9.0	0.0	0.0	4.5	6.8	9.8	10.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3
2.5°	1121.7	1130.0	1150.3	1175.9	1200.7	1226.3	1254.1	1271.4	1292.5	1319.6	1320.3
5°	1043.5	1062.3	1091.6	1130.7	1171.4	1218.0	1272.2	1317.3	1371.5	1414.3	1431.7
7.5°	995.3	1022.4	1059.3	1108.9	1162.3	1220.3	1291.0	1367.0	1455.7	1512.9	1546.8
10°	999.8	1041.2	1078.1	1120.2	1168.3	1230.8	1321.8	1422.6	1531.7	1606.9	1649.1
12.5°	1080.3	1124.0	1117.2	1114.9	1147.3	1223.3	1346.6	1479.0	1612.2	1687.4	1737.8
15°	1181.9	1198.4	1134.5	1086.3	1105.9	1196.2	1360.2	1529.5	1679.2	1770.9	1820.6
17.5°	1233.8	1200.7	1123.2	1051.0	1045.7	1154.8	1367.0	1580.6	1754.4	1846.2	1898.8
20°	1209.7	1161.6	1096.1	1027.7	990.0	1098.4	1363.2	1621.2	1822.9	1925.2	1968.1
22.5°	1157.8	1115.7	1064.5	999.1	944.9	1036.7	1353.4	1661.9	1883.8	1986.9	2024.5
25°	1101.4	1069.8	1027.7	970.5	919.3	982.5	1346.6	1716.0	1953.8	2052.3	2076.4
27.5°	1045.0	1021.6	987.0	942.6	913.3	944.9	1348.9	1786.7	2044.0	2137.3	2127.5
30°	989.3	969.0	944.9	925.3	912.6	935.9	1342.9	1862.0	2143.3	2229.9	2171.9
32.5°	936.6	917.8	902.8	905.8	913.3	939.6	1312.0	1930.4	2234.4	2308.1	2220.1
35°	891.5	871.9	871.9	882.5	910.3	926.9	1232.3	1983.9	2335.2	2408.9	2288.5
37.5°	849.4	832.1	843.3	860.6	887.0	892.2	1130.0	2035.8	2481.9	2551.1	2394.6
40°	812.5	795.2	815.5	837.3	850.9	848.6	1026.2	2108.0	2654.9	2726.4	2535.3
42.5°	783.2	767.4	785.4	813.3	815.5	817.8	950.2	2177.2	2855.8	2946.8	2777.5
45°	759.1	747.8	756.8	784.7	784.7	819.3	902.8	2235.1	3158.2	3319.2	3222.2
47.5°	740.3	733.5	738.0	747.0	762.1	846.4	872.7	2279.5	3708.9	4024.9	3927.1
50°	729.7	723.0	729.0	710.2	755.3	859.9	862.9	2313.4	4434.9	4929.9	4808.8
52.5°	720.7	718.5	722.2	678.6	770.4	850.9	855.4	2268.2	4921.6	5820.6	5940.3
55°	717.7	719.2	701.2	655.3	788.4	820.8	832.8	1945.5	5054.0	6588.8	7331.3
57.5°	719.2	714.7	668.8	657.5	789.2	760.6	865.2	1388.0	4861.4	6922.8	8692.2
60°	713.9	691.4	629.7	677.8	754.6	689.9	841.8	905.0	4353.6	6666.2	8771.2
62.5°	690.6	657.5	595.8	689.1	692.9	647.7	764.4	697.4	3676.6	6117.1	8009.9
65°	656.8	612.4	567.2	665.8	630.4	628.2	574.8	559.0	2956.6	5463.3	7287.7
67.5°	601.1	556.7	546.2	612.4	567.2	556.7	461.9	463.4	2359.3	4766.7	6561.7
70°	537.9	493.5	501.8	553.7	504.8	462.7	373.9	385.9	1789.8	3971.5	5582.9
72.5°	496.5	437.1	437.8	487.5	443.9	374.7	307.7	318.2	1136.0	2993.5	4438.6
75°	419.0	385.2	368.6	395.0	376.9	291.9	258.8	256.5	673.3	2145.6	3323.7
77.5°	349.8	323.5	315.2	325.8	281.4	215.9	208.4	204.6	381.4	1374.5	2177.9
80°	253.5	246.8	246.0	251.3	216.7	158.7	158.7	159.5	205.4	746.3	1227.8
82.5°	161.0	176.0	155.7	173.0	147.5	112.8	105.3	119.6	118.1	318.2	517.6
85°	67.0	91.8	85.8	91.0	70.0	61.7	66.2	71.5	68.5	122.6	201.6
87.5°	12.8	15.0	16.6	15.8	15.8	19.6	21.8	26.3	26.3	35.4	60.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3	1226.3
2.5°	1348.9	1370.7	1366.2	1376.0	1363.2	1367.7	1342.1	1335.4	1330.8	1332.3
5°	1487.3	1531.7	1540.0	1556.5	1545.3	1545.3	1500.1	1466.3	1454.2	1445.2
7.5°	1628.0	1692.0	1734.1	1738.6	1732.6	1720.5	1655.1	1594.2	1572.3	1553.5
10°	1752.9	1829.6	1877.0	1899.6	1888.3	1869.5	1788.2	1704.7	1678.4	1661.9
12.5°	1848.4	1916.1	1947.7	1962.8	1961.3	1954.5	1888.3	1798.0	1770.2	1744.6
15°	1910.1	1944.0	1931.9	1931.2	1941.7	1968.8	1948.5	1877.8	1845.4	1822.1
17.5°	1950.0	1917.6	1864.2	1839.4	1862.0	1925.9	1972.6	1932.7	1903.4	1877.8
20°	1964.3	1849.2	1771.7	1725.8	1752.1	1844.7	1959.8	1972.6	1947.7	1926.7
22.5°	1947.7	1765.7	1660.4	1606.2	1631.8	1742.4	1922.2	2004.9	1988.4	1968.1
25°	1907.1	1678.4	1552.0	1503.1	1531.0	1643.8	1855.2	2035.0	2035.8	2019.2
27.5°	1856.7	1597.9	1476.0	1430.1	1457.2	1562.6	1789.8	2061.3	2087.7	2081.7
30°	1805.6	1549.8	1439.9	1407.6	1427.9	1521.2	1722.8	2088.4	2141.1	2151.6
32.5°	1782.2	1573.1	1524.9	1539.2	1512.9	1545.3	1698.7	2126.8	2205.8	2223.1
35°	1813.1	1780.0	1901.8	1958.3	1865.0	1742.4	1729.6	2184.7	2296.8	2322.4
37.5°	1962.8	2223.1	2405.1	2603.8	2442.0	2171.9	1882.3	2283.3	2427.0	2467.6
40°	2288.5	2609.8	2938.5	3195.1	2950.6	2587.2	2172.7	2430.0	2606.0	2642.9
42.5°	2595.5	2972.4	3425.3	3757.1	3439.6	2926.5	2485.6	2676.7	2842.2	2862.6
45°	2896.4	3328.2	4014.3	4475.5	4044.4	3249.2	2805.4	3093.5	3218.4	3219.1
47.5°	3249.2	3729.2	4753.1	5409.9	4847.2	3606.6	3105.5	3753.3	3927.1	3842.1
50°	3671.3	4127.9	5513.7	6497.0	5825.9	4045.9	3487.0	4557.5	4794.5	4698.2
52.5°	4236.3	4567.3	6351.8	7557.0	6892.7	4546.2	4039.9	5619.8	5698.0	5518.2
55°	5031.5	5201.5	7427.6	8866.0	8083.6	5162.4	4848.7	6952.9	6734.0	6218.6
57.5°	6842.3	6205.1	8808.8	10359.4	9431.0	6281.8	6621.1	8422.9	7644.3	6775.3
60°	8357.4	7423.8	10087.0	11841.4	10585.8	7515.6	8285.2	8678.7	7610.4	6713.6
62.5°	7846.6	7734.5	10548.2	12004.7	10980.0	8122.7	7976.0	8034.0	7113.9	6303.6
65°	6884.4	7134.9	10136.7	11230.5	10542.9	7578.8	7214.7	7438.1	6545.9	5729.6
67.5°	6316.4	6500.7	9404.7	9991.5	9748.5	6990.5	6622.6	6460.9	5664.2	4970.5
70°	5735.6	5888.4	8377.0	8436.4	8509.4	6012.5	5415.2	4933.7	4222.0	3736.7
72.5°	4956.2	4964.5	7077.8	6733.2	6871.6	4705.0	4358.9	3688.6	3073.2	2633.1
75°	4158.0	3930.8	5602.5	4706.5	4984.1	3660.0	3619.4	2779.8	2317.9	1956.8
77.5°	3170.2	2904.7	4092.6	3095.0	3500.5	2437.5	2721.1	1885.3	1631.0	1302.3
80°	2128.3	1962.8	2261.5	1746.9	2290.0	1679.9	1774.7	1068.3	926.1	718.5
82.5°	1122.5	958.4	1397.8	1035.9	1381.2	923.1	665.8	330.3	281.4	227.2
85°	434.8	503.3	685.4	368.6	535.6	329.5	192.6	82.0	68.5	51.9
87.5°	84.3	130.2	71.5	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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