

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: P630285

Luminaire Tested: GWS-SA1D-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4655.2 lumens
Efficiency: N/A
Efficacy: 105.1 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

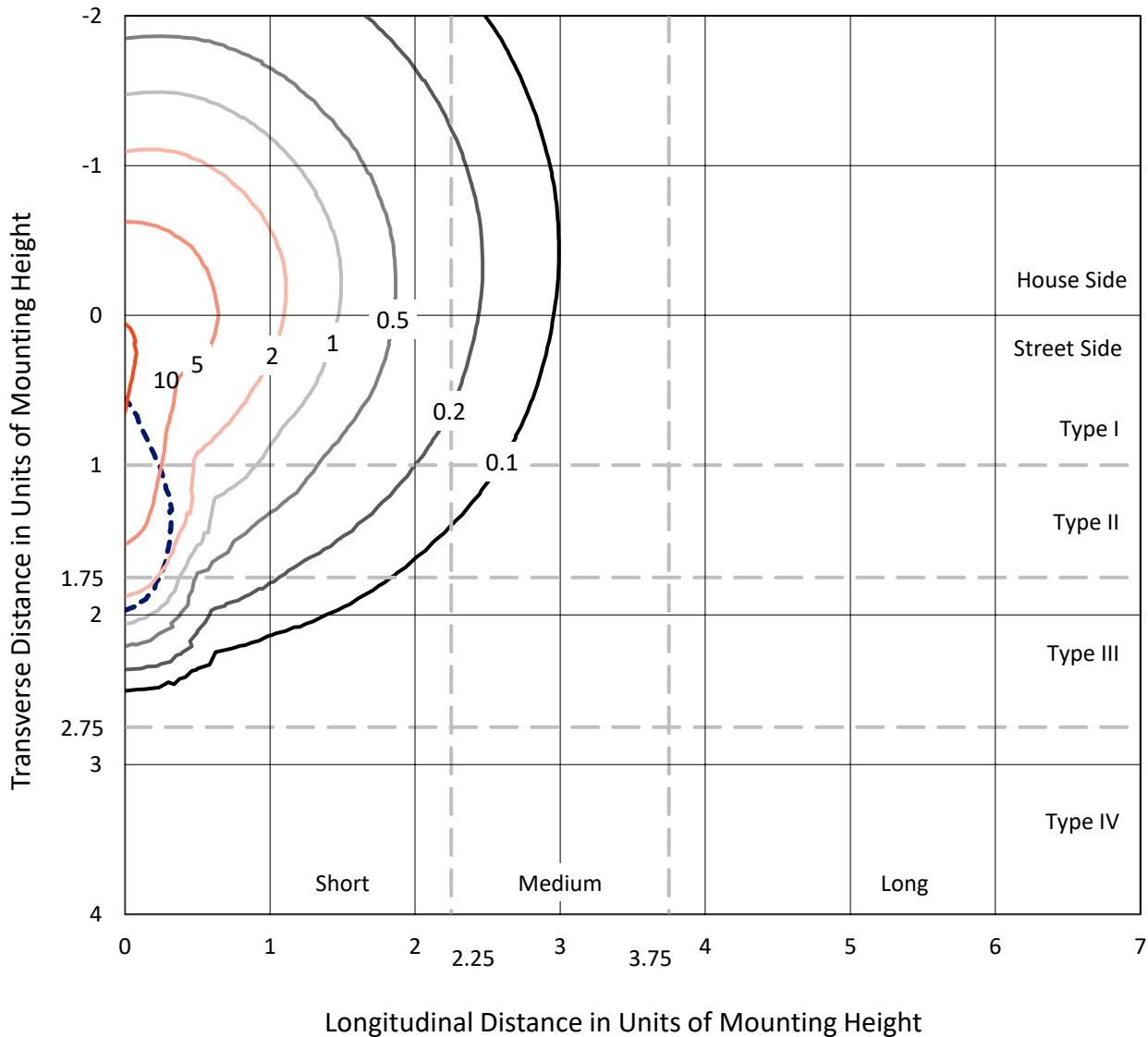
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

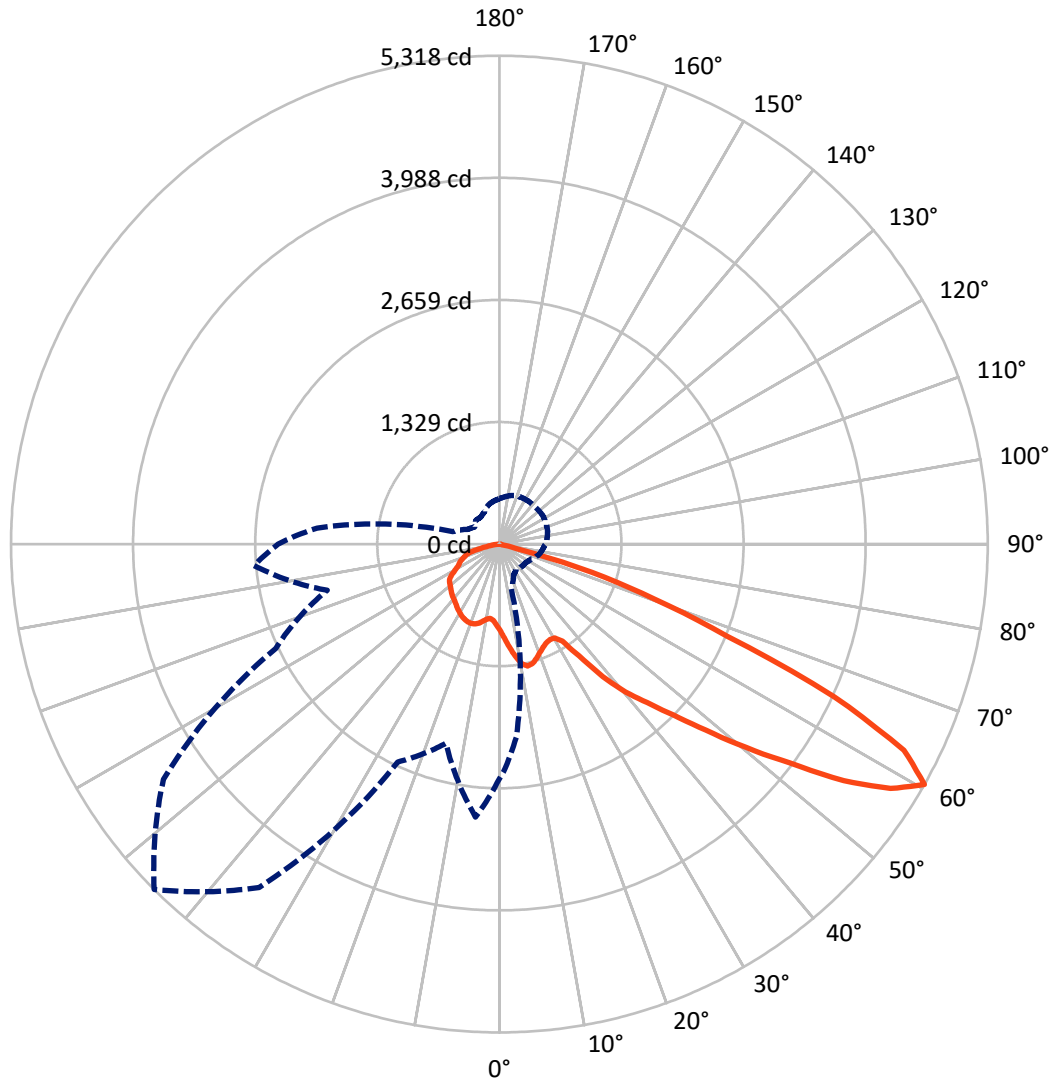
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1592.5	0.0	1592.5
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3062.7	0.0	3062.7
	% Fixture	65.8	0.0	65.8
Total	Lumens	4655.2	0.0	4655.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	2.0
10°-20°	294.2	6.3
20°-30°	479.2	10.3
30°-40°	673.1	14.5
40°-50°	921.1	19.8
50°-60°	1181.7	25.4
60°-70°	795.7	17.1
70°-80°	198.9	4.3
80°-90°	19.4	0.4
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°	4655.2	100.0
0°-180°	4655.2	100.0

Coefficient of Utilization



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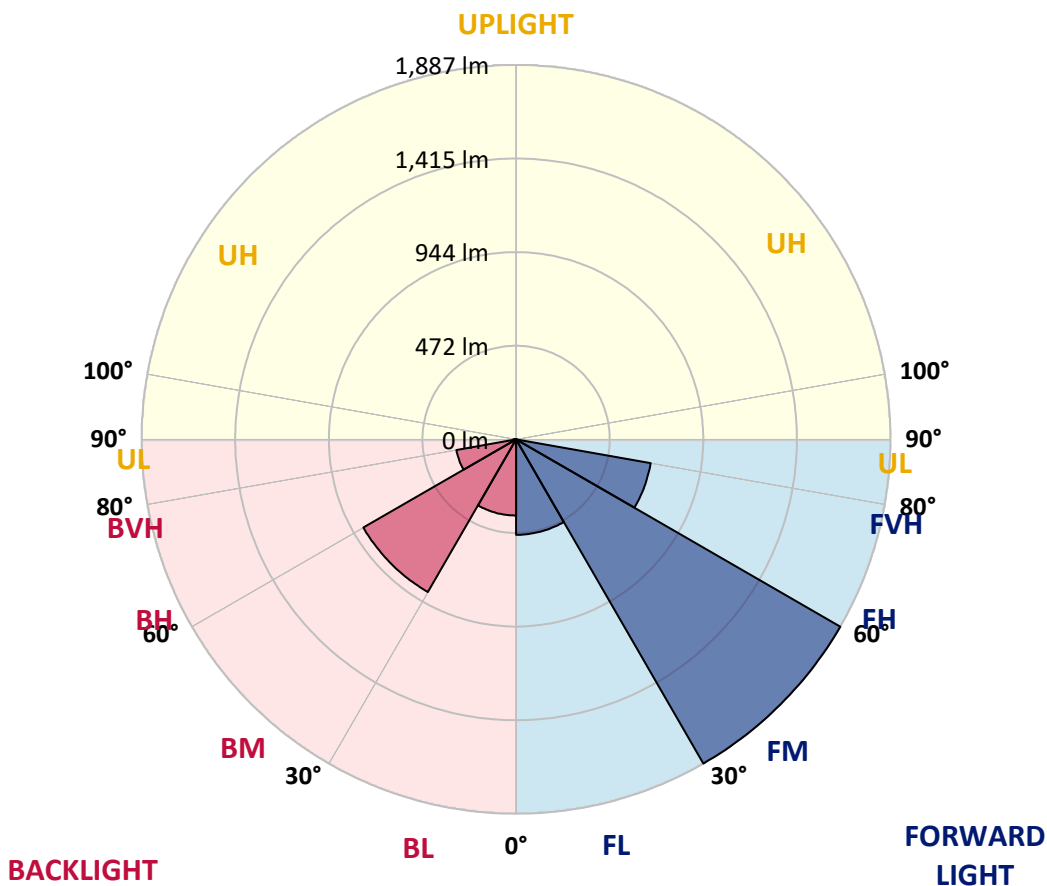
CATALOG NUMBER: GWS-SA1D-735-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.2	10.3			
FM (30°-60°)	1887.3	40.5			
FH (60°-80°)	689.2	14.8			G1/1800
FVH (80°-90°)	5.0	0.1			G0/10
BL (0°-30°)	383.9	8.2	B1/500		
BM (30°-60°)	888.7	19.1	B1/1000		
BH (60°-80°)	305.5	6.6	B1/500		G1/500
BVH (80°-90°)	14.4	0.3			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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9
2.5°	993.4	991.2	989.1	972.3	968.1	956.1	947.5	936.8	921.3	912.8	905.5
5°	1055.5	1052.1	1040.5	1006.2	983.9	959.5	939.3	917.0	893.5	878.0	866.0
7.5°	1114.3	1113.4	1093.7	1037.1	1001.1	965.9	938.5	905.9	872.0	848.9	833.4
10°	1168.7	1162.3	1138.7	1064.9	1017.8	977.5	947.9	911.9	872.5	841.2	820.6
12.5°	1216.7	1208.6	1176.0	1090.7	1032.4	982.6	950.5	920.9	894.7	868.6	845.0
15°	1256.2	1246.3	1213.3	1114.7	1045.2	979.6	934.6	911.5	920.5	932.0	905.9
17.5°	1293.0	1282.7	1242.4	1132.3	1049.1	961.2	895.6	885.7	931.2	983.9	971.9
20°	1323.9	1312.3	1265.6	1140.8	1042.2	926.0	845.0	862.2	922.2	985.2	1004.5
22.5°	1357.3	1347.9	1291.7	1153.3	1033.7	877.6	802.6	844.6	906.8	962.1	991.2
25°	1410.9	1399.4	1332.5	1175.1	1029.4	832.2	772.1	827.4	885.3	935.5	958.2
27.5°	1488.5	1467.1	1388.2	1213.3	1034.1	789.3	752.8	806.4	860.4	903.3	921.8
30°	1573.0	1547.3	1449.9	1252.7	1040.9	763.1	742.5	782.4	822.3	865.2	885.3
32.5°	1672.9	1650.2	1516.0	1282.3	1026.4	751.1	734.8	756.3	788.0	822.3	839.0
35°	1792.1	1751.3	1588.0	1306.3	979.2	733.5	728.0	727.5	744.3	777.7	796.6
37.5°	1920.3	1876.5	1676.7	1332.0	905.9	705.7	711.7	693.7	709.1	735.7	757.1
40°	2025.3	1979.4	1766.3	1367.2	814.1	661.9	675.7	656.4	665.8	693.2	717.3
42.5°	2128.2	2079.3	1849.9	1407.1	725.4	619.1	625.9	618.6	621.6	650.4	683.8
45°	2263.2	2208.4	1952.8	1435.4	645.7	585.2	578.8	566.3	582.2	619.5	655.1
47.5°	2488.7	2423.1	2121.3	1453.8	587.8	565.9	536.3	529.0	548.8	590.4	627.2
50°	2752.4	2695.8	2390.6	1452.9	544.5	549.6	495.2	488.7	521.3	563.3	602.4
52.5°	2968.5	2911.0	2620.8	1410.1	508.9	514.9	471.2	453.2	497.7	536.8	575.8
55°	3143.0	3078.2	2726.7	1230.9	463.9	459.6	445.0	412.0	468.2	510.2	546.6
57.5°	3049.1	2971.9	2598.5	935.9	417.6	390.6	400.0	375.6	427.9	480.6	515.8
60°	2556.5	2487.0	2111.0	498.2	367.4	326.3	346.0	349.8	383.7	445.0	481.0
62.5°	1756.1	1705.5	1430.7	302.3	289.8	262.0	292.8	320.7	346.0	397.9	429.2
65°	859.2	844.2	715.5	193.8	202.8	211.8	242.7	276.5	313.8	359.3	392.3
67.5°	236.7	238.4	216.9	151.3	159.9	184.8	209.2	236.2	273.5	315.5	349.0
70°	104.2	105.9	109.3	116.6	132.9	155.6	180.9	208.8	243.1	278.2	310.4
72.5°	72.5	74.2	79.3	88.7	103.3	124.8	148.8	175.3	210.9	240.5	267.1
75°	44.6	45.9	50.6	58.7	68.6	84.9	108.5	132.9	164.2	191.2	214.8
77.5°	23.6	22.7	25.7	31.3	39.9	48.4	64.3	79.7	102.0	123.9	143.6
80°	12.9	12.4	14.1	17.1	19.7	26.6	37.3	47.6	60.5	72.9	83.6
82.5°	5.6	5.1	5.6	7.3	9.0	12.9	18.9	26.2	33.4	42.0	48.9
85°	0.0	0.0	0.0	0.4	2.1	3.4	6.4	9.4	13.7	18.9	23.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.9
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°	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9
2.5°	901.2	890.5	889.6	881.0	881.9	882.3	873.7	870.3	873.3	876.7	875.0
5°	861.7	850.6	845.9	837.7	836.9	833.0	829.6	825.3	828.3	831.3	833.0
7.5°	827.4	820.1	817.1	815.0	815.9	814.1	807.3	803.4	803.0	804.3	806.0
10°	816.3	810.3	814.1	820.1	824.4	827.4	820.1	813.7	807.7	805.1	805.1
12.5°	840.3	832.6	840.3	846.7	855.3	857.4	849.3	842.4	840.3	842.9	848.0
15°	893.5	875.5	875.0	878.9	885.7	889.2	881.5	878.0	878.0	894.3	907.2
17.5°	946.6	917.0	904.6	902.5	906.8	908.0	901.6	898.6	906.3	938.0	962.1
20°	983.9	947.9	920.9	915.8	917.0	917.5	912.3	910.2	921.3	959.9	980.1
22.5°	980.1	953.5	920.5	914.0	916.2	915.3	910.6	909.8	918.8	952.2	961.6
25°	953.5	932.9	905.0	900.7	904.2	903.7	899.0	896.9	900.7	923.0	923.9
27.5°	923.0	905.0	881.0	879.7	885.3	888.3	880.2	873.7	872.5	887.5	884.0
30°	886.6	873.3	854.0	854.9	865.2	866.9	857.0	847.6	845.0	853.2	848.4
32.5°	843.3	839.0	828.7	830.9	840.7	844.2	833.9	824.0	821.0	823.6	813.7
35°	806.4	804.7	805.6	809.4	818.0	820.6	812.0	804.3	800.0	791.0	778.1
37.5°	768.3	773.0	785.4	792.7	797.4	796.6	791.9	786.3	779.4	762.7	746.8
40°	732.7	744.7	767.0	775.1	776.8	777.3	773.8	769.1	760.6	738.3	720.3
42.5°	705.3	718.5	748.1	760.6	761.4	762.3	758.8	755.0	743.0	713.4	695.8
45°	676.5	694.1	728.8	743.8	743.0	742.5	739.5	737.8	723.7	689.4	670.1
47.5°	652.1	672.7	710.0	722.8	722.4	722.0	719.8	719.8	705.7	668.4	646.5
50°	628.1	651.7	690.7	701.4	702.2	701.4	700.5	701.8	685.1	645.2	623.8
52.5°	601.9	628.5	669.2	679.1	684.2	686.4	686.4	683.4	663.7	622.1	598.5
55°	573.2	598.5	645.7	658.9	663.2	667.1	667.1	661.1	642.7	600.6	575.3
57.5°	537.6	559.9	597.2	610.5	620.8	623.4	623.4	613.5	598.5	558.2	537.6
60°	499.0	518.3	543.6	557.8	565.5	560.3	564.2	561.6	549.6	512.3	495.2
62.5°	447.6	467.3	495.2	509.8	513.2	508.0	513.2	512.8	496.5	463.0	442.4
65°	410.7	430.0	457.4	476.3	481.9	480.6	484.0	478.9	458.7	427.0	407.3
67.5°	367.0	387.6	419.3	440.3	451.9	453.2	457.9	447.2	426.6	391.9	367.0
70°	325.4	343.0	367.4	387.1	403.4	411.6	412.4	397.0	371.3	342.6	324.5
72.5°	281.7	299.7	329.3	350.7	371.3	380.7	380.7	361.8	334.0	302.3	283.0
75°	228.5	245.2	272.2	295.4	319.0	331.0	330.5	314.3	283.4	253.4	233.2
77.5°	154.8	167.2	184.4	201.9	205.4	214.8	219.5	198.9	181.8	165.5	147.5
80°	90.0	97.7	107.2	117.0	119.2	122.2	114.5	106.8	97.7	87.0	78.9
82.5°	52.7	57.9	62.6	70.3	71.6	72.5	65.6	62.2	54.9	48.4	43.3
85°	25.7	27.4	31.7	35.6	33.9	33.0	30.0	26.6	23.6	21.0	18.4
87.5°	5.1	5.1	7.7	7.3	6.0	5.1	3.0	3.9	0.9	0.9	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°	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9
2.5°	880.6	887.9	896.9	908.9	922.6	937.2	951.3	962.1	972.8	988.6	986.1
5°	835.6	848.0	862.2	880.6	902.9	928.2	956.5	984.8	1015.2	1040.9	1052.1
7.5°	809.4	823.1	839.9	863.9	892.6	923.5	963.3	1009.2	1058.5	1092.4	1113.4
10°	809.4	827.0	848.9	872.0	897.3	929.0	978.3	1035.8	1099.2	1143.8	1168.3
12.5°	856.2	873.7	878.5	877.6	891.7	926.9	990.4	1063.7	1139.5	1186.7	1216.7
15°	929.0	935.0	899.5	866.9	869.0	911.5	995.9	1086.0	1174.3	1230.9	1263.4
17.5°	977.9	962.1	898.6	841.6	829.6	885.3	995.9	1107.4	1211.1	1275.0	1305.5
20°	981.8	942.3	876.7	817.1	786.3	850.6	989.1	1123.7	1246.7	1317.5	1350.1
22.5°	947.9	908.9	853.6	796.1	750.7	808.6	977.9	1136.1	1277.2	1357.3	1397.6
25°	909.3	876.7	830.0	774.7	726.3	766.1	967.6	1157.1	1319.6	1411.4	1452.1
27.5°	871.6	844.2	801.7	756.7	712.5	729.3	961.2	1188.0	1370.2	1488.1	1523.3
30°	834.7	809.9	771.3	739.5	705.3	705.3	955.6	1223.6	1437.1	1574.3	1609.4
32.5°	797.4	773.8	742.5	722.8	701.0	695.8	940.2	1257.0	1506.1	1668.6	1704.6
35°	762.7	739.1	715.1	707.0	698.8	688.5	902.0	1283.2	1573.4	1778.8	1809.6
37.5°	730.1	707.4	689.4	687.2	688.1	668.8	842.0	1305.0	1657.4	1891.5	1907.8
40°	701.8	676.5	662.4	661.9	666.2	637.1	766.1	1336.3	1753.5	1987.1	1980.3
42.5°	676.5	649.9	632.8	636.7	634.1	605.4	692.0	1365.1	1837.1	2076.7	2063.0
45°	651.7	625.9	601.9	607.5	604.5	585.6	628.9	1386.1	1929.7	2184.3	2186.1
47.5°	627.7	602.4	578.3	571.5	571.1	579.6	580.5	1392.9	2080.6	2357.6	2318.5
50°	605.4	580.1	555.2	532.0	541.0	567.6	544.5	1387.8	2306.5	2548.8	2439.9
52.5°	582.2	558.2	530.8	489.2	512.8	538.9	512.3	1369.3	2444.6	2717.7	2652.5
55°	555.6	532.9	495.6	445.0	473.7	479.3	479.3	1191.0	2503.3	2884.9	2925.2
57.5°	520.0	490.0	430.9	390.1	415.9	394.4	444.2	833.4	2406.4	2832.1	2988.6
60°	479.7	447.6	385.0	355.8	363.6	325.8	378.6	522.6	1994.4	2409.9	2680.8
62.5°	426.6	397.0	345.1	322.4	306.5	265.8	304.8	330.5	1367.2	1789.5	1974.3
65°	391.0	358.4	312.1	282.1	249.5	213.9	202.4	216.9	735.3	1001.5	1126.3
67.5°	349.0	316.8	273.1	235.4	209.2	183.5	163.3	158.2	252.1	333.5	361.0
70°	309.1	278.2	241.8	206.6	180.5	155.2	135.5	121.3	116.6	115.8	114.0
72.5°	268.4	239.7	209.2	176.6	147.9	124.8	107.2	90.9	84.0	81.9	79.7
75°	219.9	197.2	166.8	131.6	108.5	87.0	73.3	62.6	56.6	54.4	51.9
77.5°	141.5	131.2	104.6	84.9	65.6	51.9	44.6	37.7	33.9	33.0	30.9
80°	75.5	70.3	57.9	48.9	39.0	31.7	27.9	24.0	21.9	21.0	20.2
82.5°	42.0	38.2	32.2	28.3	22.7	19.3	17.1	15.4	14.1	13.7	13.3
85°	18.9	16.3	12.9	12.0	10.7	9.9	9.4	8.6	8.1	7.7	7.3
87.5°	0.9	1.7	2.1	1.7	1.7	2.6	3.0	3.0	2.6	2.6	2.1
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°	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9
2.5°	1001.9	1014.8	1016.1	1020.4	1014.8	1013.5	1004.5	999.4	994.6	993.4
5°	1080.0	1105.7	1116.0	1123.3	1116.4	1113.0	1093.2	1072.7	1061.1	1055.5
7.5°	1160.1	1198.7	1218.9	1227.9	1228.7	1213.3	1179.4	1140.8	1121.5	1114.3
10°	1231.7	1279.3	1305.9	1323.0	1317.0	1298.2	1251.9	1199.6	1175.1	1168.7
12.5°	1284.9	1330.3	1350.9	1362.1	1361.6	1351.3	1307.6	1251.0	1223.1	1216.7
15°	1319.2	1346.2	1347.5	1350.1	1357.3	1371.1	1348.3	1296.0	1265.2	1256.2
17.5°	1346.2	1335.5	1315.3	1308.5	1324.8	1362.9	1376.6	1334.2	1300.7	1293.0
20°	1363.3	1309.3	1273.7	1260.4	1279.3	1341.5	1393.8	1368.5	1333.8	1323.9
22.5°	1376.6	1284.9	1227.4	1218.4	1238.2	1318.3	1411.4	1409.2	1371.1	1357.3
25°	1397.6	1268.6	1194.9	1188.4	1206.9	1307.2	1434.9	1464.5	1430.7	1410.9
27.5°	1430.7	1266.9	1178.1	1176.0	1201.3	1317.0	1468.8	1545.5	1503.1	1488.5
30°	1476.5	1283.2	1182.0	1186.3	1217.1	1352.6	1521.5	1638.2	1595.7	1573.0
32.5°	1542.5	1326.9	1240.7	1259.2	1281.9	1409.6	1598.7	1738.5	1706.3	1672.9
35°	1629.6	1446.9	1414.4	1492.8	1471.4	1534.4	1691.7	1860.2	1821.2	1792.1
37.5°	1745.8	1693.0	1723.0	1831.1	1779.2	1770.2	1805.4	1970.8	1949.4	1920.3
40°	1908.7	1919.4	1974.7	2116.6	2041.6	1983.7	1944.7	2054.0	2061.3	2025.3
42.5°	2016.7	2066.0	2199.4	2360.6	2257.2	2118.8	2061.3	2160.3	2160.8	2128.2
45°	2057.0	2186.1	2464.7	2650.4	2477.6	2195.9	2125.6	2304.8	2300.5	2263.2
47.5°	2042.4	2287.2	2740.4	3024.2	2760.6	2250.8	2116.6	2510.6	2545.3	2488.7
50°	2012.0	2388.8	3062.4	3482.1	3107.8	2309.1	2102.9	2738.7	2796.1	2752.4
52.5°	2042.9	2502.0	3443.1	3955.4	3543.4	2402.1	2195.5	3031.5	3021.2	2968.5
55°	2140.6	2635.8	3905.7	4550.0	4021.9	2559.5	2433.4	3310.6	3206.0	3143.0
57.5°	2135.9	2731.4	4311.2	5020.4	4438.1	2688.5	2516.2	3340.2	3128.8	3049.1
60°	1938.7	2687.7	4465.6	5317.9	4563.8	2617.4	2243.9	2983.5	2640.1	2556.5
62.5°	1446.9	2385.0	4166.3	4945.3	4208.3	2260.7	1687.5	2141.5	1897.1	1756.1
65°	925.6	1865.8	3502.7	4006.4	3468.8	1729.0	1004.9	1148.1	899.5	859.2
67.5°	394.0	1317.0	2722.8	2677.8	2595.1	1120.3	388.0	323.3	240.9	236.7
70°	130.3	896.0	1678.5	1786.1	1549.8	771.7	128.2	108.5	108.0	104.2
72.5°	85.3	481.0	944.9	1052.1	997.2	444.2	77.6	72.5	74.2	72.5
75°	51.0	104.6	159.1	206.6	159.1	74.6	46.7	45.9	46.7	44.6
77.5°	30.0	29.2	28.3	28.3	27.9	25.7	23.6	22.7	23.2	23.6
80°	19.3	18.4	17.6	17.1	15.0	14.1	13.3	12.4	12.4	12.9
82.5°	12.4	11.6	10.7	9.4	7.7	6.4	6.0	5.1	5.1	5.6
85°	6.4	5.1	3.9	3.0	1.7	0.9	0.0	0.0	0.0	0.0
87.5°	1.3	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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