

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: P631114

Luminaire Tested: GWS-SA1F-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

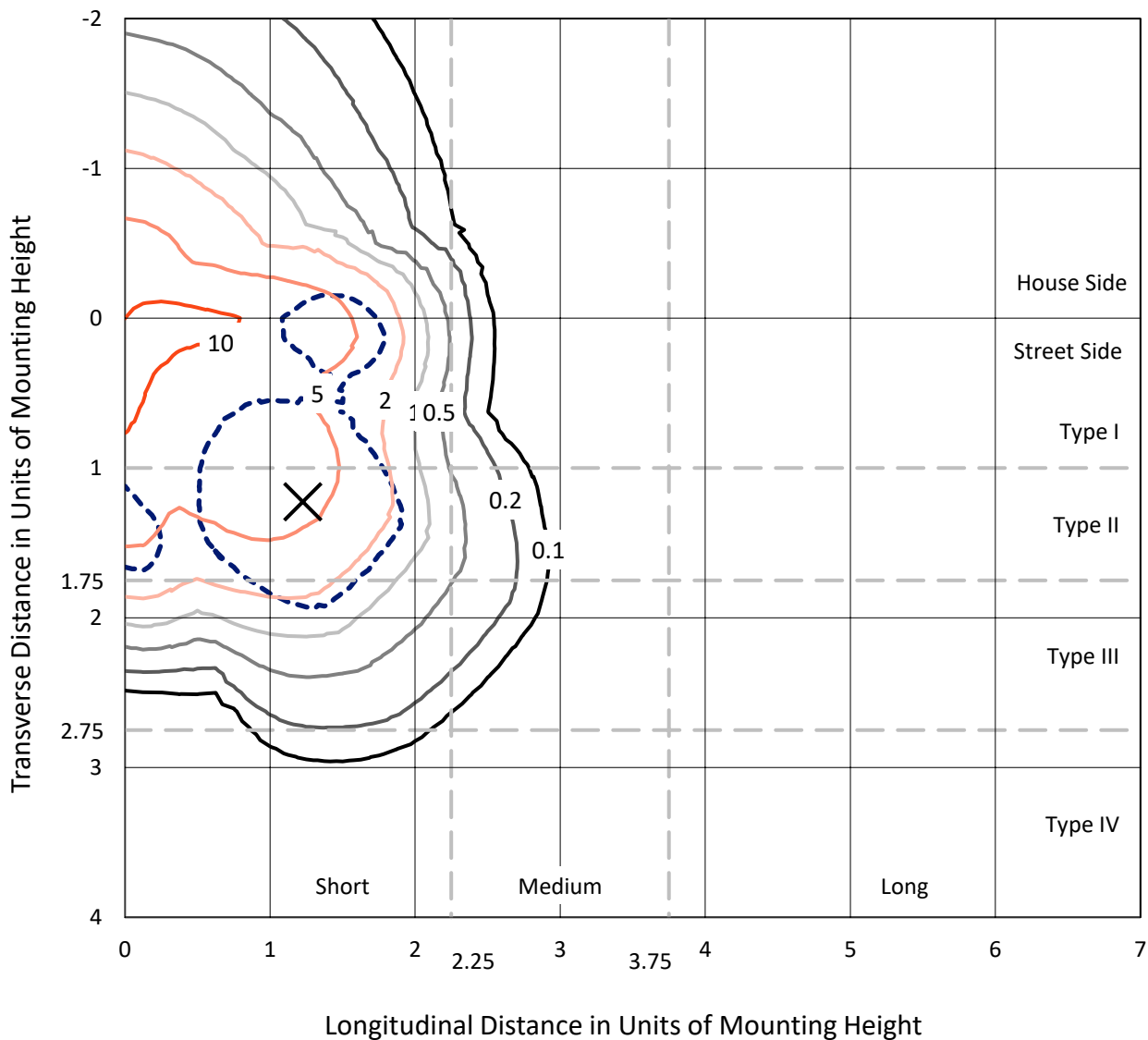
Lumens per Lamp: N/A  
Luminaire Lumens: 4855.3 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

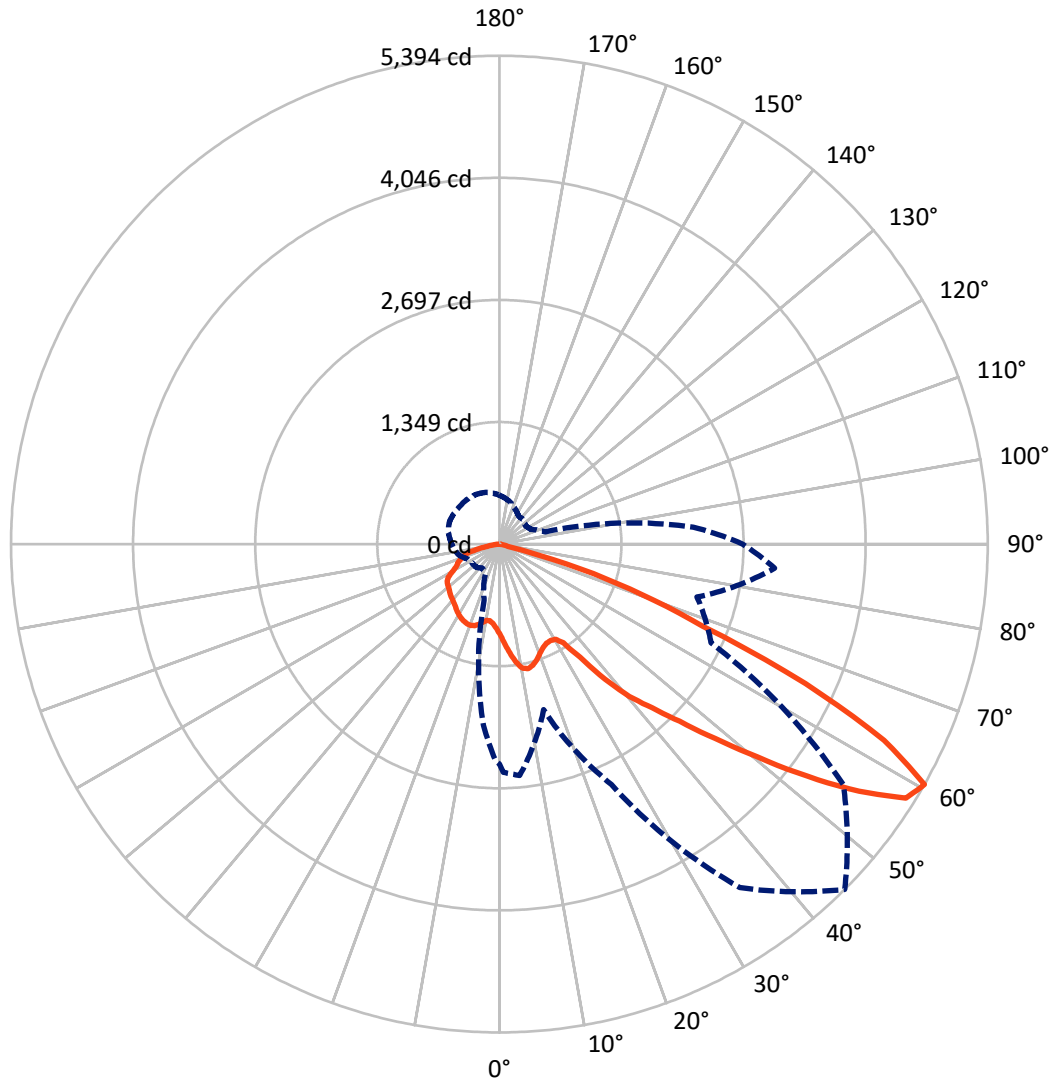
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1702.0	0.0	1702.0
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	3153.3	0.0	3153.3
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	4855.3	0.0	4855.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.3	2.0
10°-20°	307.5	6.3
20°-30°	499.5	10.3
30°-40°	704.5	14.5
40°-50°	973.6	20.1
50°-60°	1253.3	25.8
60°-70°	794.1	16.4
70°-80°	203.8	4.2
80°-90°	21.8	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°	4855.3	100.0
0°-180°	4855.3	100.0

**Coefficient of Utilization**



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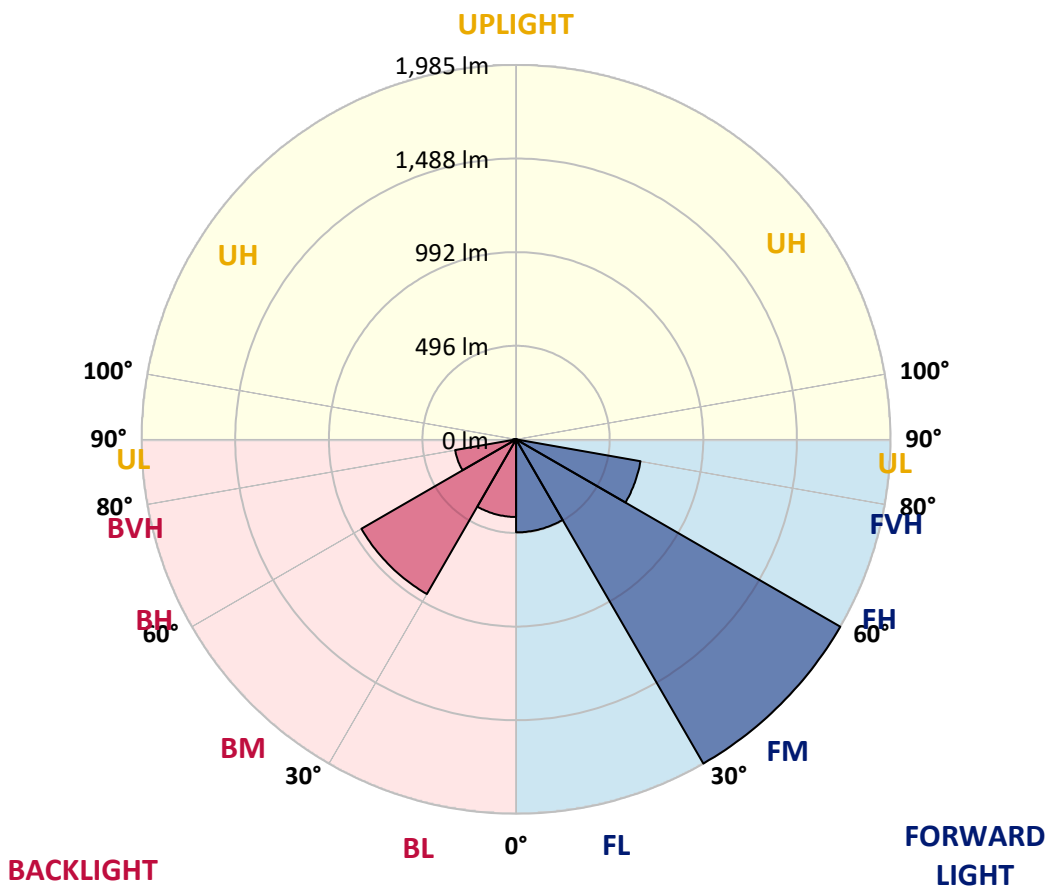
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.0	10.2			
FM (30°-60°)	1984.6	40.9			
FH (60°-80°)	669.9	13.8			G1/1800
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	411.4	8.5	B1/500		
BM (30°-60°)	946.7	19.5	B1/1000		
BH (60°-80°)	328.0	6.8	B1/500		G1/500
BVH (80°-90°)	15.9	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°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1043.2	1050.4	1054.8	1063.3	1078.4	1086.8	1096.2	1086.0	1088.6	1087.3	1070.8
5°	1105.1	1113.5	1125.1	1150.0	1178.0	1193.6	1208.3	1206.1	1192.3	1169.1	1152.7
7.5°	1162.9	1172.7	1192.7	1233.2	1274.6	1298.6	1316.4	1304.8	1293.3	1256.8	1215.4
10°	1208.3	1214.1	1241.2	1295.5	1343.5	1370.7	1392.5	1389.8	1373.8	1332.9	1277.3
12.5°	1251.0	1255.0	1284.4	1338.6	1381.8	1393.8	1411.6	1417.4	1412.0	1381.4	1326.6
15°	1296.8	1304.4	1331.5	1372.9	1392.5	1380.0	1386.2	1402.3	1417.4	1417.4	1367.1
17.5°	1339.5	1346.2	1373.8	1391.6	1372.9	1340.0	1341.8	1362.2	1398.3	1436.1	1404.0
20°	1377.3	1383.6	1410.7	1393.8	1334.6	1286.6	1285.3	1310.2	1368.5	1448.1	1443.6
22.5°	1418.7	1427.6	1450.3	1395.6	1299.0	1238.1	1237.7	1263.5	1342.2	1460.1	1489.0
25°	1477.4	1491.2	1502.8	1411.2	1279.9	1206.5	1212.3	1236.8	1333.8	1479.7	1556.2
27.5°	1564.6	1575.8	1574.9	1443.6	1279.0	1193.6	1205.6	1234.1	1348.9	1514.4	1626.9
30°	1659.0	1664.7	1655.4	1489.0	1299.5	1201.6	1219.4	1253.2	1387.1	1571.8	1731.0
32.5°	1763.5	1770.6	1752.8	1557.1	1347.1	1260.8	1299.9	1316.4	1441.0	1654.5	1841.4
35°	1883.6	1897.4	1860.5	1646.9	1487.2	1476.6	1533.5	1512.1	1555.3	1752.4	1959.3
37.5°	2010.0	2010.4	1957.5	1780.0	1762.2	1780.4	1894.3	1827.6	1797.8	1861.4	2079.4
40°	2117.2	2114.5	2033.1	1959.3	2001.5	2074.0	2211.5	2109.2	2030.9	2007.7	2179.0
42.5°	2224.4	2214.6	2132.3	2073.1	2166.6	2315.6	2470.9	2345.4	2180.4	2140.8	2277.3
45°	2361.4	2358.3	2259.1	2118.5	2315.6	2586.1	2792.1	2588.8	2268.9	2218.2	2441.1
47.5°	2582.5	2567.4	2382.8	2115.0	2455.3	2946.4	3206.7	2895.3	2330.7	2220.0	2705.3
50°	2798.7	2780.1	2530.5	2114.5	2599.4	3320.1	3696.1	3267.6	2393.9	2230.6	2974.0
52.5°	3017.2	3017.2	2772.9	2164.8	2750.7	3737.4	4261.5	3731.7	2501.6	2370.3	3304.6
55°	3147.1	3181.8	3045.6	2249.8	2927.8	4228.6	4820.7	4232.6	2667.9	2622.6	3609.8
57.5°	2982.0	3047.0	3027.4	2190.6	3032.3	4589.4	5295.0	4612.5	2750.2	2652.4	3563.9
60°	2429.9	2520.2	2565.2	1891.6	2929.1	4631.2	5394.2	4637.4	2580.3	2258.7	3052.8
62.5°	1615.4	1689.7	1758.2	1351.5	2535.8	4166.3	4770.9	4167.6	2155.0	1685.7	2115.0
65°	792.3	847.5	921.3	799.0	1981.1	3481.2	3719.6	3367.7	1558.9	943.6	1078.8
67.5°	207.3	222.9	233.1	310.1	1419.2	2501.1	2425.9	2463.3	1001.4	308.3	282.1
70°	107.7	108.6	108.1	128.1	959.2	1589.6	1671.9	1546.8	698.9	129.0	111.2
72.5°	77.0	77.4	76.1	86.3	463.1	910.7	943.6	933.4	366.1	76.5	76.1
75°	50.3	50.7	49.8	50.7	69.8	103.7	95.6	100.5	60.9	48.5	48.5
77.5°	29.8	30.3	29.8	30.7	29.8	29.8	27.6	27.6	26.2	26.2	26.7
80°	20.0	20.0	19.6	20.5	18.7	18.7	17.8	17.4	16.0	15.6	15.6
82.5°	12.0	12.5	12.0	12.0	11.1	11.1	10.2	9.8	8.5	8.5	8.0
85°	6.2	6.2	5.8	5.8	4.9	4.4	3.6	3.6	2.7	2.2	2.2
87.5°	0.9	0.9	0.4	0.4	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°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	1066.4	1057.5	1044.1	1031.2	1019.2	1006.8	992.5	977.8	965.4	952.5	945.8
5°	1130.9	1112.6	1077.9	1047.2	1019.7	997.0	972.5	951.6	932.0	916.0	908.0
7.5°	1189.2	1160.7	1108.2	1059.7	1022.3	991.2	957.4	926.2	900.0	880.4	872.9
10°	1243.0	1209.2	1140.2	1078.8	1035.2	1000.5	959.2	916.9	882.2	856.4	850.2
12.5°	1286.6	1247.9	1165.6	1094.4	1042.8	1005.4	968.9	932.5	898.2	864.8	859.5
15°	1325.3	1279.5	1184.7	1104.2	1040.1	992.5	961.8	957.4	957.4	919.6	908.9
17.5°	1358.7	1308.4	1200.3	1108.6	1023.2	954.3	935.6	974.3	1017.9	990.7	966.7
20°	1396.9	1336.0	1213.2	1108.6	992.1	905.8	904.0	969.8	1034.3	1034.8	1009.4
22.5°	1435.6	1368.0	1228.3	1104.6	949.4	849.7	882.6	952.0	1009.4	1033.9	1016.6
25°	1498.4	1412.5	1252.3	1101.5	899.5	811.5	863.5	928.5	977.0	1002.8	991.6
27.5°	1578.0	1471.2	1288.8	1106.4	850.2	788.8	843.0	897.8	941.8	964.5	956.5
30°	1667.0	1538.8	1328.0	1114.9	814.6	777.2	818.6	862.6	901.8	924.5	920.9
32.5°	1780.4	1612.2	1361.8	1103.3	794.6	771.4	792.8	824.4	862.2	876.4	879.5
35°	1916.1	1693.2	1387.6	1057.9	776.3	765.2	764.7	784.3	811.0	833.7	835.9
37.5°	2041.1	1788.0	1416.1	980.1	743.4	749.6	731.8	743.4	769.6	792.3	801.2
40°	2164.8	1884.1	1455.6	880.9	700.2	714.9	694.0	702.0	722.9	752.7	767.0
42.5°	2284.9	1970.8	1497.5	779.4	657.1	666.4	650.9	658.9	680.7	718.0	734.1
45°	2415.7	2088.3	1529.9	683.8	619.7	615.7	603.3	614.8	647.7	688.7	707.8
47.5°	2663.1	2273.3	1551.3	620.2	599.7	570.8	556.5	581.5	618.8	660.2	683.3
50°	2965.1	2541.2	1545.1	579.7	582.3	524.5	519.6	552.5	592.6	635.7	661.1
52.5°	3204.5	2804.1	1474.3	541.0	548.5	495.2	480.9	529.0	567.2	611.3	637.5
55°	3387.3	2892.6	1257.2	495.2	493.4	473.8	444.0	504.5	541.9	582.8	611.3
57.5°	3238.3	2695.5	932.0	432.0	421.3	431.5	402.6	463.1	510.7	551.2	576.6
60°	2687.5	2149.2	519.2	382.6	352.3	377.3	372.8	419.5	476.9	519.6	541.4
62.5°	1824.5	1431.2	307.9	302.5	285.6	321.2	344.8	375.5	432.0	466.7	487.1
65°	909.3	695.3	204.6	226.4	228.7	264.3	308.7	342.6	389.7	425.3	445.8
67.5°	263.8	216.2	155.7	173.1	197.1	225.6	261.1	301.2	347.0	389.3	413.3
70°	113.9	115.2	123.7	144.1	167.7	197.1	232.7	271.8	310.5	343.0	361.2
72.5°	80.5	83.6	93.0	113.9	136.1	164.2	199.8	237.6	265.6	298.5	317.6
75°	51.6	53.8	61.4	77.4	93.9	121.0	154.8	189.5	218.4	242.0	260.3
77.5°	28.5	28.9	35.1	44.5	55.6	73.0	97.9	125.0	146.4	159.7	176.2
80°	16.5	16.5	19.6	25.4	32.0	42.7	56.5	69.8	82.7	91.2	99.2
82.5°	8.9	8.9	10.2	13.8	17.4	23.6	31.6	38.3	46.3	50.7	56.1
85°	2.7	2.7	3.6	4.9	6.2	8.9	12.5	16.0	19.6	22.7	25.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	944.5	938.3	934.7	930.2	931.6	927.6	925.4	926.7	918.7	926.7	934.7
5°	904.9	896.0	888.9	883.1	880.4	875.1	872.0	872.0	867.1	875.1	884.9
7.5°	870.2	863.1	859.5	855.9	851.9	847.1	841.7	839.9	836.8	845.3	853.7
10°	847.1	847.9	850.2	855.1	854.2	851.1	843.0	838.6	838.6	848.4	861.3
12.5°	857.7	867.1	872.4	881.3	883.1	880.4	872.4	868.9	877.7	892.4	913.8
15°	899.1	905.3	909.8	916.9	916.5	914.2	908.0	910.7	940.0	968.5	987.6
17.5°	944.0	936.9	936.0	940.5	941.8	939.1	935.6	947.6	996.1	1022.8	1032.6
20°	976.5	952.0	946.7	948.5	952.0	950.7	950.7	970.3	1020.6	1033.0	1020.6
22.5°	986.3	951.6	943.6	944.0	948.9	949.4	951.6	972.1	1001.4	1001.9	982.7
25°	970.7	937.4	931.6	932.5	938.3	937.8	938.7	950.3	963.2	957.8	943.6
27.5°	941.4	912.4	910.7	915.6	923.1	919.1	916.5	919.6	925.8	919.1	906.7
30°	908.0	883.5	884.4	893.8	901.8	895.1	888.4	890.2	890.6	883.5	869.3
32.5°	872.9	854.6	857.7	867.5	876.9	869.7	862.6	861.7	853.3	844.8	831.0
35°	837.7	830.6	834.6	842.6	850.6	844.8	840.4	837.7	819.5	807.0	795.4
37.5°	805.7	811.0	818.1	823.0	825.7	825.3	822.6	816.4	792.3	777.7	762.5
40°	777.2	793.7	801.2	803.5	807.5	806.6	806.1	797.2	765.6	750.1	732.7
42.5°	751.4	774.5	787.4	789.7	791.9	792.3	791.0	778.1	742.1	723.8	707.4
45°	726.5	756.7	773.2	771.0	774.1	774.1	775.4	758.5	718.9	700.2	682.9
47.5°	704.7	740.3	755.4	752.7	754.5	755.9	757.2	737.6	693.6	675.8	658.0
50°	684.7	722.5	735.4	736.3	736.3	739.4	738.9	719.8	672.2	653.1	635.3
52.5°	663.3	704.2	718.0	723.8	725.6	726.9	720.7	698.5	650.4	627.3	610.8
55°	638.4	685.6	698.0	705.6	709.1	708.2	699.8	677.1	628.2	605.0	586.4
57.5°	600.6	645.5	663.3	666.9	672.7	669.1	659.3	640.2	592.6	569.4	550.3
60°	559.2	591.7	605.9	609.0	604.6	605.9	604.6	586.4	545.0	526.7	507.2
62.5°	504.9	533.9	549.0	553.0	545.4	550.3	548.5	525.8	484.5	465.3	448.0
65°	464.0	495.6	513.4	515.6	513.4	515.6	509.4	481.8	442.7	423.1	405.3
67.5°	432.0	464.5	483.1	489.4	487.1	486.7	476.9	444.9	404.4	383.0	360.4
70°	376.8	405.3	429.3	444.4	444.4	436.0	417.3	387.5	355.0	336.8	319.0
72.5°	333.7	369.7	393.3	408.8	412.0	407.1	380.8	349.2	311.9	293.6	274.9
75°	274.9	310.1	335.4	355.9	359.9	354.6	324.3	293.2	258.5	240.7	222.0
77.5°	183.7	204.6	225.1	243.8	239.8	243.3	222.9	199.3	178.0	164.6	156.2
80°	103.7	117.4	123.7	133.9	133.9	133.9	120.6	109.4	97.4	89.9	81.4
82.5°	58.7	67.6	70.3	78.7	81.0	81.4	72.5	65.4	57.8	53.8	48.0
85°	27.1	32.0	32.5	37.4	39.1	42.7	38.7	33.8	29.4	27.6	24.0
87.5°	0.9	2.7	3.6	6.7	8.9	10.2	11.1	11.1	9.3	8.5	7.1
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°	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4	997.4
2.5°	944.5	955.2	967.6	976.5	992.5	1005.9	1019.7	1034.8	1045.9	1043.2
5°	896.9	914.7	937.4	958.3	988.1	1018.3	1051.7	1086.0	1106.0	1105.1
7.5°	870.2	895.5	923.1	951.2	986.3	1029.9	1081.1	1134.4	1161.6	1162.9
10°	884.4	911.6	930.2	953.8	990.7	1045.5	1106.9	1170.9	1202.1	1208.3
12.5°	929.4	927.1	925.8	942.7	987.2	1056.6	1131.8	1208.3	1243.4	1251.0
15°	972.1	926.2	898.7	910.2	971.2	1063.7	1156.2	1249.2	1288.8	1296.8
17.5°	980.1	910.7	859.5	867.5	945.8	1065.9	1179.8	1289.3	1332.0	1339.5
20°	957.8	890.6	831.0	819.9	913.8	1060.1	1194.5	1322.6	1369.3	1377.3
22.5°	929.8	872.9	809.7	780.8	874.6	1054.4	1211.0	1357.8	1411.6	1418.7
25°	900.4	850.2	789.7	745.6	830.1	1050.8	1238.5	1404.0	1469.0	1477.4
27.5°	869.3	822.6	772.3	728.7	789.2	1055.3	1277.7	1478.8	1552.6	1564.6
30°	835.9	795.0	761.2	722.9	761.2	1059.3	1320.8	1555.3	1642.1	1659.0
32.5°	801.2	769.6	749.6	725.6	743.8	1049.9	1358.7	1641.2	1748.8	1763.5
35°	766.5	743.8	734.9	730.5	720.7	1015.7	1389.4	1727.9	1870.7	1883.6
37.5°	734.1	717.1	714.5	719.4	685.1	959.6	1425.0	1838.2	1990.4	2010.0
40°	703.8	688.2	687.8	686.9	646.0	883.1	1473.0	1950.4	2108.3	2117.2
42.5°	675.8	656.2	659.8	649.1	613.9	800.3	1518.4	2046.0	2218.2	2224.4
45°	650.9	625.1	629.1	615.7	598.8	713.6	1558.4	2159.0	2357.4	2361.4
47.5°	626.8	599.3	588.1	587.2	596.1	633.5	1597.6	2376.5	2575.4	2582.5
50°	604.6	574.8	543.2	562.8	579.7	573.5	1646.5	2609.7	2800.5	2798.7
52.5°	583.2	544.1	499.2	537.0	537.0	529.0	1632.7	2751.1	2986.5	3017.2
55°	558.8	494.7	453.3	493.8	474.2	488.9	1388.5	2797.4	3103.5	3147.1
57.5°	510.3	433.8	397.7	419.5	390.2	453.3	997.4	2567.8	2904.6	2982.0
60°	463.6	388.8	365.2	361.2	323.0	369.7	646.4	2010.4	2390.8	2429.9
62.5°	408.8	350.1	330.1	299.4	259.8	269.2	391.5	1323.1	1606.5	1615.4
65°	367.5	317.2	278.9	242.5	212.7	195.3	231.3	638.0	803.0	792.3
67.5°	315.4	271.8	235.3	209.1	184.6	162.8	153.9	189.5	214.4	207.3
70°	280.7	238.9	203.8	178.8	156.2	134.4	118.8	111.7	109.4	107.7
72.5°	242.0	205.5	169.1	145.0	123.7	103.7	89.4	81.0	78.7	77.0
75°	193.1	158.8	125.5	102.8	84.1	69.8	60.5	53.4	52.1	50.3
77.5°	127.7	101.9	74.7	60.9	49.8	42.3	36.0	31.6	30.7	29.8
80°	70.3	58.7	45.8	36.9	29.8	25.8	23.6	20.9	20.5	20.0
82.5°	41.8	35.1	26.2	20.9	17.4	15.6	14.2	12.9	12.5	12.0
85°	20.9	16.5	11.6	9.8	8.9	8.0	8.0	6.7	6.2	6.2
87.5°	5.3	4.4	2.7	2.2	2.2	2.2	1.8	1.3	1.3	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)