

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: P632267

Luminaire Tested: GWS-SA2C-735-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632267  
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-SA2C-735-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

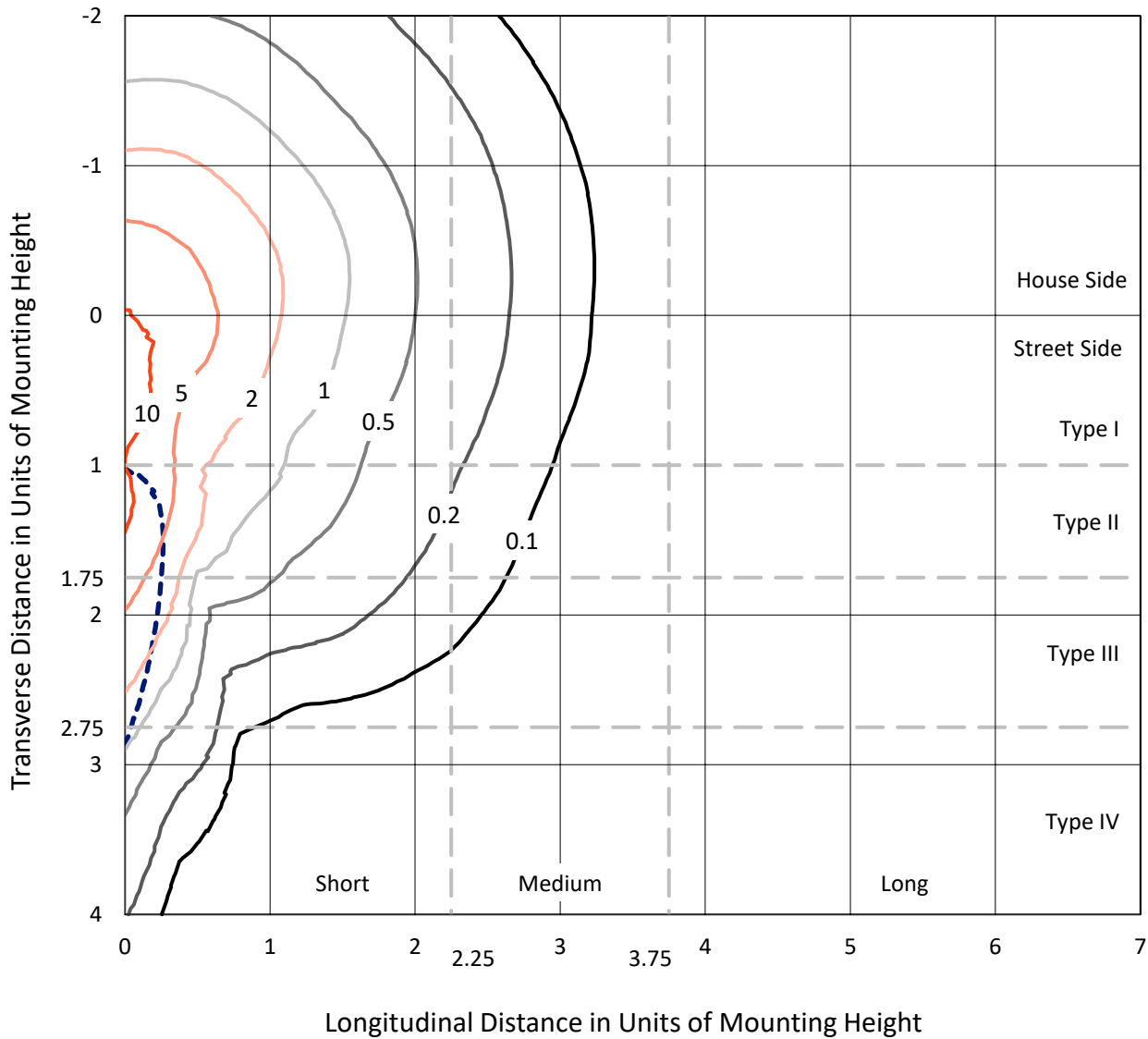
Lumens per Lamp: N/A  
Luminaire Lumens: 8555.5 lumens  
Efficiency: N/A  
Efficacy: 135.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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

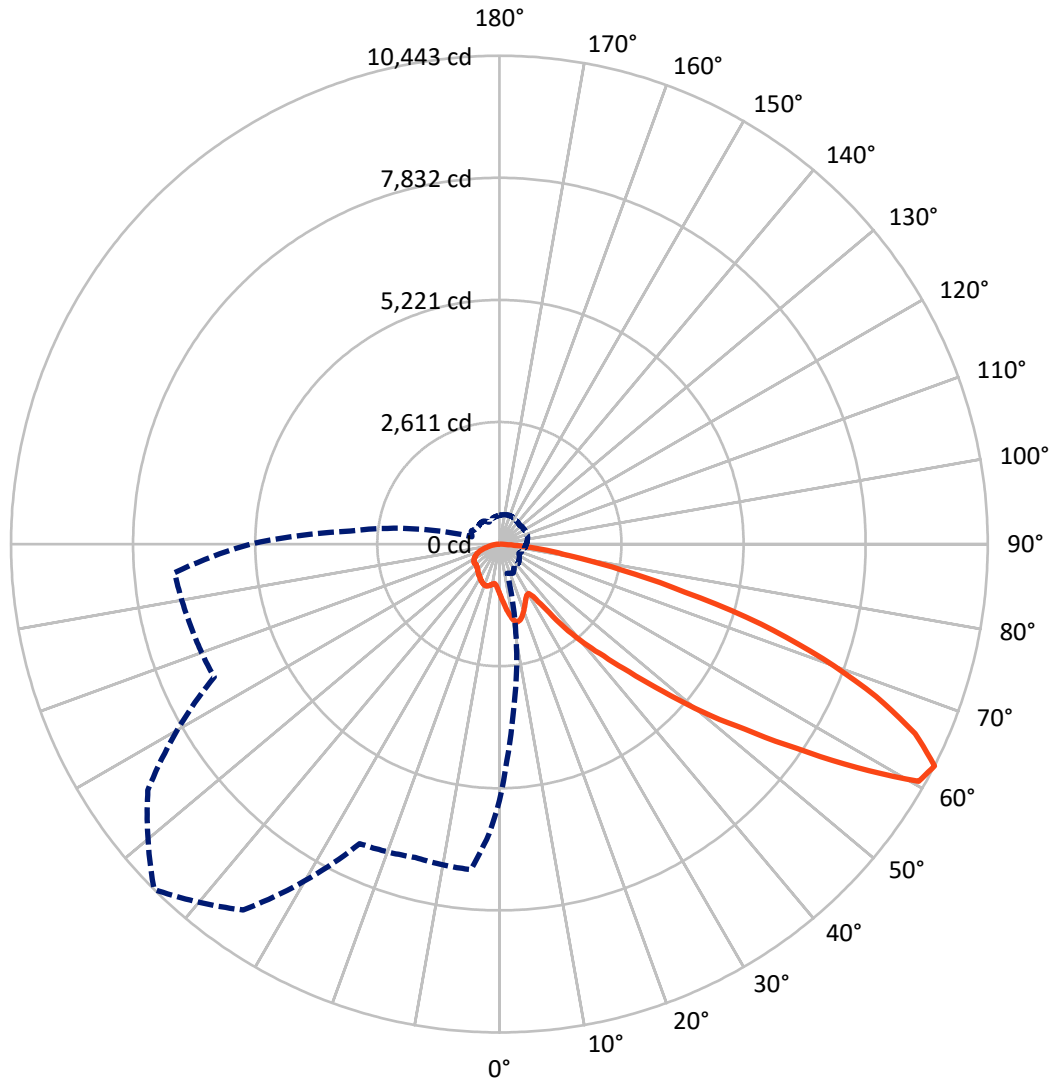
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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
<b>House Side</b>	Lumens	2045.6	0.0	2045.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	6509.9	0.0	6509.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	8555.5	0.0	8555.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.1	1.2
10°-20°	341.5	4.0
20°-30°	537.6	6.3
30°-40°	736.9	8.6
40°-50°	1149.9	13.4
50°-60°	1982.6	23.2
60°-70°	2297.6	26.9
70°-80°	1212.8	14.2
80°-90°	191.6	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°	8555.5	100.0
0°-180°	8555.5	100.0

**Coefficient of Utilization**



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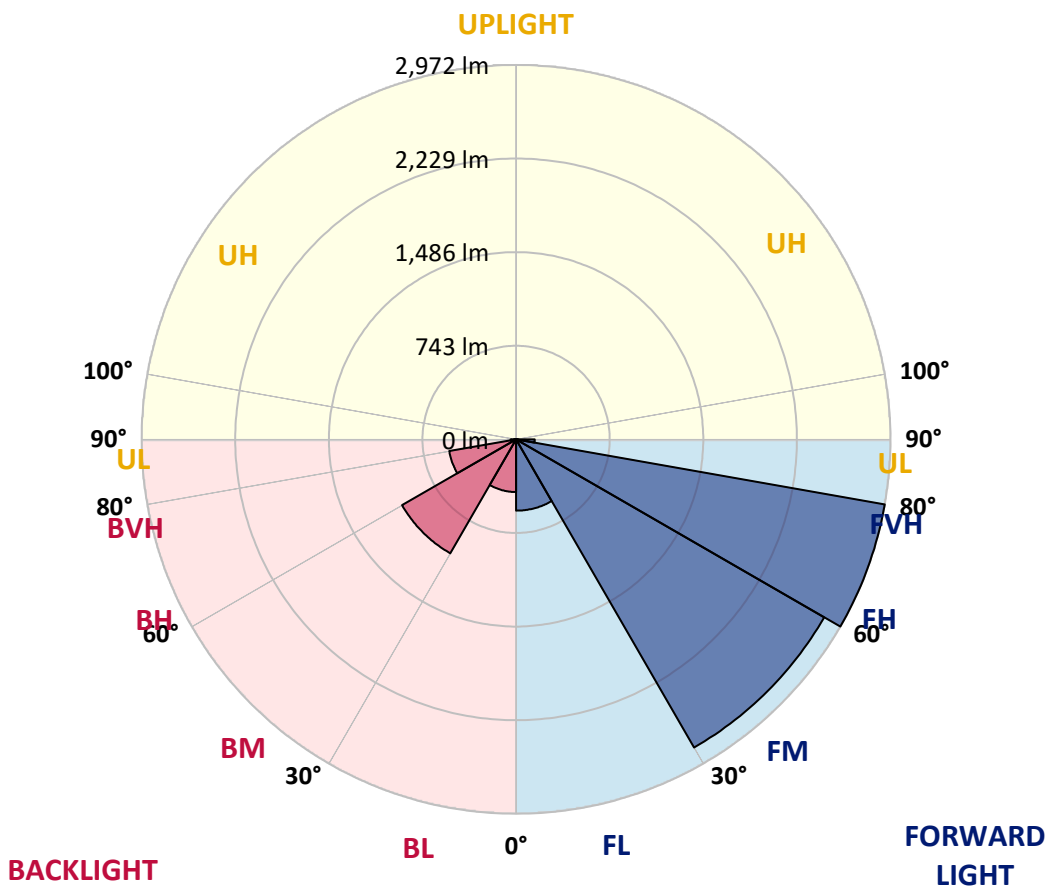
CATALOG NUMBER: GWS-SA2C-735-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	565.8	6.6			
FM (30°-60°)	2824.5	33.0			
FH (60°-80°)	2971.7	34.7			G2/5000
FVH (80°-90°)	147.9	1.7			G2/225
BL (0°-30°)	418.4	4.9	B1/500		
BM (30°-60°)	1044.9	12.2	B2/2500		
BH (60°-80°)	538.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	43.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7
2.5°	1159.0	1154.4	1147.8	1125.6	1111.8	1096.1	1079.8	1060.8	1039.2	1024.2	1009.1
5°	1257.1	1249.9	1234.2	1181.2	1144.6	1104.6	1071.3	1033.3	996.0	970.5	945.0
7.5°	1351.4	1342.2	1318.0	1236.8	1177.3	1119.7	1069.3	1014.3	958.7	920.8	890.7
10°	1445.6	1426.6	1395.9	1289.8	1211.3	1144.6	1087.0	1019.6	945.6	893.9	861.9
12.5°	1517.6	1499.9	1466.5	1338.3	1245.3	1161.6	1096.8	1034.6	971.8	916.8	884.1
15°	1585.0	1562.1	1524.1	1383.4	1273.5	1160.9	1077.2	1022.8	1013.7	999.9	957.4
17.5°	1633.4	1612.5	1573.2	1420.1	1289.2	1140.6	1022.8	990.8	1032.0	1073.9	1033.3
20°	1676.0	1651.7	1611.8	1445.6	1292.5	1095.5	956.8	957.4	1022.2	1079.8	1070.0
22.5°	1711.9	1685.1	1649.8	1474.4	1291.2	1032.7	899.2	938.4	1003.2	1048.4	1049.7
25°	1756.4	1734.2	1704.7	1516.9	1291.2	968.5	857.3	915.5	971.1	1009.1	1007.8
27.5°	1810.8	1795.7	1771.5	1581.7	1302.9	914.9	833.7	886.1	929.9	962.6	962.0
30°	1871.6	1857.9	1839.6	1650.4	1323.2	875.0	820.6	849.4	881.5	907.7	907.7
32.5°	1933.8	1928.6	1908.9	1705.4	1307.5	862.5	809.5	812.8	829.8	851.4	849.4
35°	2020.2	2014.9	1990.1	1747.9	1239.5	844.8	791.8	775.5	777.4	791.2	795.8
37.5°	2146.5	2138.6	2102.0	1797.7	1136.7	800.3	763.0	736.2	730.3	736.2	744.7
40°	2299.0	2287.2	2237.4	1865.1	1018.3	740.1	717.9	695.6	685.8	687.8	697.6
42.5°	2490.0	2465.2	2393.8	1936.4	901.1	687.1	667.5	653.8	642.6	641.3	660.3
45°	2800.2	2732.2	2619.0	1999.9	802.3	659.0	622.3	612.5	603.4	608.6	630.9
47.5°	3342.1	3216.4	2995.9	2054.2	742.1	659.6	586.4	575.9	575.2	585.7	610.6
50°	4086.8	3905.5	3565.2	2090.9	710.7	667.5	564.8	547.7	560.2	570.6	594.2
52.5°	4800.1	4523.3	4118.2	2090.2	697.0	668.8	570.6	521.6	560.2	562.8	585.0
55°	5409.4	4908.1	4267.4	1875.5	677.3	663.6	593.6	501.3	553.0	562.8	580.5
57.5°	5893.6	5152.9	4256.3	1515.0	736.9	634.8	607.3	496.7	532.0	564.1	584.4
60°	5840.0	5040.9	3982.1	929.9	731.0	583.7	605.3	505.2	496.7	546.4	579.8
62.5°	5483.3	4639.8	3510.3	645.3	686.5	554.3	573.3	520.3	464.0	520.9	557.6
65°	4984.0	4122.1	2925.2	494.7	568.7	555.6	518.9	509.8	435.2	480.3	519.6
67.5°	4323.7	3480.2	2309.4	392.0	396.6	481.0	471.2	452.9	408.4	444.3	479.7
70°	3250.5	2539.8	1588.9	315.4	300.4	401.8	423.4	407.0	382.2	392.6	429.9
72.5°	2290.4	1658.3	870.4	250.0	231.7	308.9	367.8	365.2	337.7	345.5	382.2
75°	1702.1	1173.4	543.8	197.6	188.5	221.2	308.2	316.1	293.2	302.3	330.5
77.5°	1132.8	759.8	302.3	146.6	146.6	161.6	229.7	266.3	249.3	256.5	276.2
80°	625.0	386.8	151.2	96.2	98.8	111.3	167.5	191.7	192.4	210.1	215.3
82.5°	197.6	123.0	67.4	56.3	53.0	63.5	108.0	137.4	128.3	163.6	150.5
85°	45.2	28.8	12.4	12.4	13.7	20.9	41.2	73.3	93.6	112.6	81.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	28.8	42.5	38.0
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°	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7
2.5°	999.9	986.9	982.9	971.8	970.5	960.0	956.1	956.1	960.7	960.7	965.3
5°	934.5	918.1	909.0	895.9	892.6	884.8	879.5	880.2	886.1	890.0	897.9
7.5°	876.9	865.8	859.2	853.4	852.0	850.7	844.8	844.2	846.2	852.0	857.9
10°	852.7	844.8	846.8	851.4	858.6	862.5	857.3	854.7	852.7	856.6	861.9
12.5°	876.3	868.4	872.3	880.2	890.0	893.9	892.0	891.3	893.3	908.3	919.5
15°	928.0	912.9	907.7	910.9	918.8	922.7	920.8	923.4	935.8	975.1	1003.2
17.5°	992.1	955.4	934.5	928.6	931.9	935.2	935.2	941.7	963.3	1020.9	1056.2
20°	1026.8	979.0	943.7	929.3	930.6	933.8	933.8	943.0	967.2	1028.7	1051.6
22.5°	1017.6	973.8	930.6	914.9	915.5	918.1	918.1	926.0	947.6	1001.9	1012.4
25°	981.6	943.0	900.5	886.7	888.0	892.6	891.3	895.9	912.3	956.8	962.6
27.5°	938.4	904.4	862.5	852.0	857.9	867.1	859.2	859.9	875.0	912.3	912.9
30°	892.0	863.8	826.5	818.7	829.8	834.4	827.2	827.2	842.2	867.8	867.1
32.5°	841.6	823.9	797.1	788.6	801.0	808.2	799.0	800.3	812.1	829.1	822.6
35°	794.5	785.3	772.9	767.0	774.8	781.4	775.5	778.1	789.2	793.8	784.6
37.5°	749.3	748.0	749.3	749.3	751.3	753.2	749.3	755.8	765.7	759.8	749.3
40°	710.0	715.3	727.7	724.4	722.5	724.4	721.8	732.9	742.8	732.3	719.9
42.5°	677.3	687.1	706.1	706.1	702.2	703.5	702.2	715.9	723.1	708.7	695.0
45°	649.2	663.6	687.8	691.1	684.5	684.5	687.1	704.1	706.8	687.1	672.7
47.5°	629.5	647.2	674.7	680.6	670.8	670.1	677.3	695.6	695.6	672.7	656.4
50°	615.8	635.4	668.2	676.0	666.2	663.6	675.4	693.0	689.1	661.6	645.3
52.5°	606.6	626.9	667.5	678.6	672.1	669.5	681.2	693.7	683.9	654.4	637.4
55°	600.8	623.0	669.5	678.6	671.4	666.8	678.6	689.8	684.5	650.5	634.1
57.5°	604.0	626.3	666.8	671.4	662.9	655.1	668.8	684.5	682.6	651.8	635.4
60°	598.8	619.1	652.5	653.8	639.4	626.9	647.2	670.8	670.8	647.2	632.8
62.5°	574.6	594.9	624.3	625.6	609.3	595.5	619.1	647.2	646.6	627.6	612.5
65°	534.7	553.6	587.0	590.3	573.9	559.5	583.7	609.9	611.9	594.9	581.8
67.5°	490.8	507.8	532.7	545.8	532.0	517.0	539.2	564.1	563.4	543.2	529.4
70°	438.5	454.2	477.1	488.2	479.7	465.3	485.6	498.7	492.8	483.0	473.8
72.5°	386.8	401.8	423.4	423.4	414.2	400.5	406.4	429.9	437.1	429.9	424.1
75°	332.4	345.5	360.6	363.9	343.6	318.7	346.2	366.5	375.0	371.7	364.5
77.5°	276.8	286.6	308.9	303.0	265.0	251.9	274.2	304.3	310.2	308.2	298.4
80°	213.3	219.2	242.8	231.0	201.6	193.1	202.9	226.4	227.7	221.2	208.8
82.5°	143.3	151.2	166.9	144.0	143.3	135.5	127.6	130.2	142.0	140.7	132.2
85°	73.3	77.2	92.3	86.4	73.9	64.1	60.9	64.8	58.2	53.0	45.8
87.5°	30.8	33.4	45.8	25.5	7.9	0.0	0.0	3.9	5.9	8.5	9.2
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°	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7
2.5°	975.7	982.9	1000.6	1022.8	1044.4	1066.7	1090.9	1106.0	1124.3	1147.8	1148.5
5°	907.7	924.0	949.6	983.6	1018.9	1059.5	1106.6	1145.9	1193.0	1230.3	1245.3
7.5°	865.8	889.3	921.4	964.6	1011.1	1061.5	1123.0	1189.1	1266.3	1316.0	1345.5
10°	869.7	905.7	937.8	974.4	1016.3	1070.6	1149.8	1237.5	1332.4	1397.8	1434.5
12.5°	939.7	977.7	971.8	969.8	998.0	1064.1	1171.4	1286.6	1402.4	1467.8	1511.7
15°	1028.1	1042.5	986.9	945.0	962.0	1040.5	1183.2	1330.4	1460.7	1540.5	1583.7
17.5°	1073.2	1044.4	977.0	914.2	909.6	1004.5	1189.1	1374.9	1526.1	1605.9	1651.7
20°	1052.3	1010.4	953.5	893.9	861.2	955.4	1185.8	1410.3	1585.6	1674.6	1711.9
22.5°	1007.1	970.5	926.0	869.1	821.9	901.8	1177.3	1445.6	1638.7	1728.3	1761.0
25°	958.1	930.6	893.9	844.2	799.7	854.7	1171.4	1492.7	1699.5	1785.2	1806.2
27.5°	909.0	888.7	858.6	820.0	794.5	821.9	1173.4	1554.2	1778.0	1859.2	1850.7
30°	860.6	842.9	821.9	804.9	793.8	814.1	1168.1	1619.7	1864.4	1939.7	1889.3
32.5°	814.7	798.4	785.3	787.9	794.5	817.4	1141.3	1679.2	1943.6	2007.7	1931.2
35°	775.5	758.5	758.5	767.6	791.8	806.2	1071.9	1725.7	2031.3	2095.4	1990.7
37.5°	738.8	723.8	733.6	748.6	771.6	776.1	982.9	1770.8	2158.9	2219.1	2083.0
40°	706.8	691.7	709.4	728.4	740.1	738.2	892.6	1833.7	2309.4	2371.6	2205.4
42.5°	681.2	667.5	683.2	707.4	709.4	711.3	826.5	1893.9	2484.2	2563.3	2416.1
45°	660.3	650.5	658.3	682.6	682.6	712.7	785.3	1944.3	2747.2	2887.3	2802.9
47.5°	643.9	638.1	642.0	649.8	662.9	736.2	759.1	1982.9	3226.3	3501.1	3416.0
50°	634.8	628.9	634.1	617.8	657.0	748.0	750.6	2012.3	3857.8	4288.4	4183.0
52.5°	626.9	625.0	628.2	590.3	670.1	740.1	744.1	1973.1	4281.2	5063.2	5167.2
55°	624.3	625.6	609.9	570.0	685.8	714.0	724.4	1692.3	4396.3	5731.4	6377.3
57.5°	625.6	621.7	581.8	572.0	686.5	661.6	752.6	1207.4	4228.8	6021.9	7561.1
60°	621.0	601.4	547.7	589.6	656.4	600.1	732.3	787.3	3787.1	5798.8	7629.8
62.5°	600.8	572.0	518.3	599.4	602.7	563.4	664.9	606.6	3198.1	5321.0	6967.5
65°	571.3	532.7	493.4	579.2	548.4	546.4	500.0	486.2	2571.8	4752.3	6339.3
67.5°	522.9	484.3	475.1	532.7	493.4	484.3	401.8	403.1	2052.2	4146.4	5707.8
70°	467.9	429.3	436.5	481.6	439.1	402.5	325.2	335.7	1556.8	3454.6	4856.4
72.5°	431.9	380.2	380.9	424.1	386.1	325.9	267.7	276.8	988.2	2603.9	3861.0
75°	364.5	335.1	320.7	343.6	327.9	253.9	225.1	223.2	585.7	1866.4	2891.2
77.5°	304.3	281.4	274.2	283.4	244.8	187.8	181.3	178.0	331.8	1195.6	1894.5
80°	220.5	214.6	214.0	218.6	188.5	138.1	138.1	138.7	178.7	649.2	1068.0
82.5°	140.0	153.1	135.5	150.5	128.3	98.2	91.6	104.1	102.7	276.8	450.2
85°	58.2	79.8	74.6	79.2	60.9	53.7	57.6	62.2	59.6	106.7	175.4
87.5°	11.1	13.1	14.4	13.7	13.7	17.0	19.0	22.9	22.9	30.8	53.0
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°	358°	360°
0°	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7	1066.7
2.5°	1173.4	1192.3	1188.4	1196.9	1185.8	1189.7	1167.5	1161.6	1157.7	1159.0
5°	1293.8	1332.4	1339.6	1354.0	1344.2	1344.2	1304.9	1275.5	1265.0	1257.1
7.5°	1416.2	1471.8	1508.4	1512.3	1507.1	1496.6	1439.7	1386.7	1367.7	1351.4
10°	1524.8	1591.5	1632.8	1652.4	1642.6	1626.2	1555.5	1482.9	1460.0	1445.6
12.5°	1607.9	1666.8	1694.3	1707.4	1706.1	1700.2	1642.6	1564.0	1539.8	1517.6
15°	1661.6	1691.0	1680.5	1679.9	1689.0	1712.6	1694.9	1633.4	1605.3	1585.0
17.5°	1696.2	1668.1	1621.6	1600.0	1619.7	1675.3	1715.9	1681.2	1655.7	1633.4
20°	1708.7	1608.5	1541.1	1501.2	1524.1	1604.6	1704.7	1715.9	1694.3	1676.0
22.5°	1694.3	1535.9	1444.3	1397.2	1419.4	1515.6	1672.0	1744.0	1729.6	1711.9
25°	1658.9	1460.0	1350.1	1307.5	1331.7	1429.9	1613.8	1770.2	1770.8	1756.4
27.5°	1615.1	1390.0	1284.0	1244.0	1267.6	1359.2	1556.8	1793.1	1816.0	1810.8
30°	1570.6	1348.1	1252.5	1224.4	1242.1	1323.2	1498.6	1816.7	1862.5	1871.6
32.5°	1550.3	1368.4	1326.5	1338.9	1316.0	1344.2	1477.7	1850.0	1918.7	1933.8
35°	1577.1	1548.3	1654.4	1703.4	1622.3	1515.6	1504.5	1900.4	1997.9	2020.2
37.5°	1707.4	1933.8	2092.2	2264.9	2124.2	1889.3	1637.3	1986.1	2111.1	2146.5
40°	1990.7	2270.2	2556.1	2779.3	2566.6	2250.5	1889.9	2113.8	2266.9	2299.0
42.5°	2257.7	2585.6	2979.5	3268.1	2992.0	2545.7	2162.2	2328.4	2472.4	2490.0
45°	2519.5	2895.1	3491.9	3893.1	3518.1	2826.4	2440.3	2690.9	2799.6	2800.2
47.5°	2826.4	3243.9	4134.6	4705.9	4216.4	3137.3	2701.4	3264.9	3416.0	3342.1
50°	3193.5	3590.8	4796.2	5651.5	5067.8	3519.4	3033.2	3964.4	4170.6	4086.8
52.5°	3685.0	3972.9	5525.2	6573.6	5995.7	3954.6	3514.2	4888.5	4956.5	4800.1
55°	4376.7	4524.6	6461.0	7712.3	7031.7	4490.6	4217.7	6048.1	5857.7	5409.4
57.5°	5951.9	5397.6	7662.5	9011.3	8203.7	5464.4	5759.5	7326.8	6649.5	5893.6
60°	7269.9	6457.8	8774.4	10300.5	9208.2	6537.6	7207.1	7549.3	6620.0	5840.0
62.5°	6825.5	6728.0	9175.5	10442.5	9551.2	7065.7	6938.1	6988.5	6188.1	5483.3
65°	5988.5	6206.5	8817.6	9769.1	9170.9	6592.6	6275.8	6470.2	5694.1	4984.0
67.5°	5494.5	5654.8	8180.8	8691.3	8479.9	6080.8	5760.8	5620.1	4927.1	4323.7
70°	4989.2	5122.1	7286.9	7338.6	7402.1	5230.1	4710.5	4291.6	3672.6	3250.5
72.5°	4311.3	4318.5	6156.7	5857.0	5977.4	4092.7	3791.7	3208.6	2673.3	2290.4
75°	3616.9	3419.3	4873.4	4094.0	4335.5	3183.7	3148.4	2418.1	2016.2	1702.1
77.5°	2757.7	2526.7	3560.0	2692.3	3045.0	2120.3	2367.0	1640.0	1418.8	1132.8
80°	1851.3	1707.4	1967.2	1519.5	1992.0	1461.3	1543.8	929.3	805.6	625.0
82.5°	976.4	833.7	1215.9	901.1	1201.5	803.0	579.2	287.3	244.8	197.6
85°	378.3	437.8	596.2	320.7	465.9	286.6	167.5	71.3	59.6	45.2
87.5°	73.3	113.2	62.2	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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