

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: P635186

Luminaire Tested: GWS-SA3D-730-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635186  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-730-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

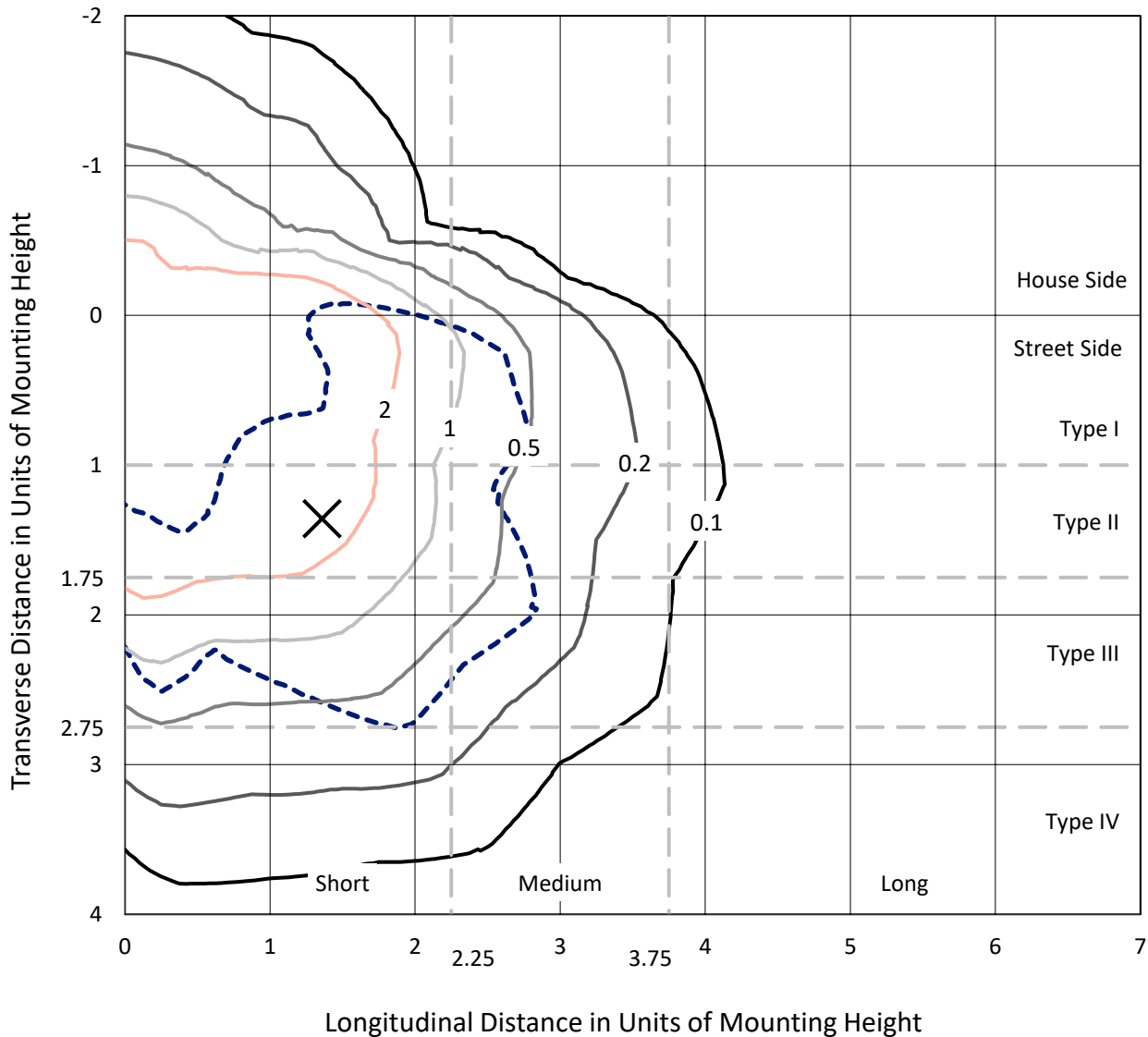
Lumens per Lamp: N/A  
Luminaire Lumens: 15173.3 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

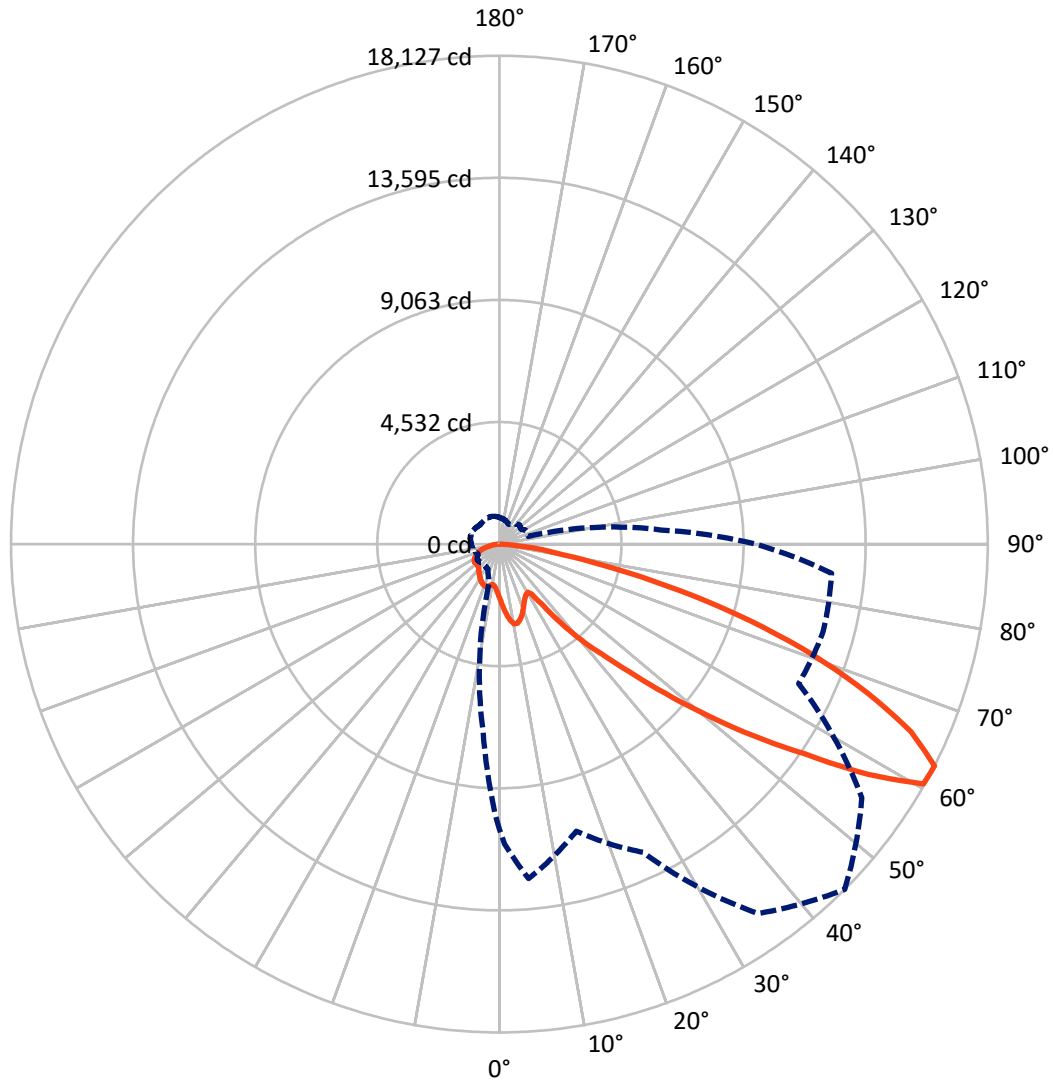
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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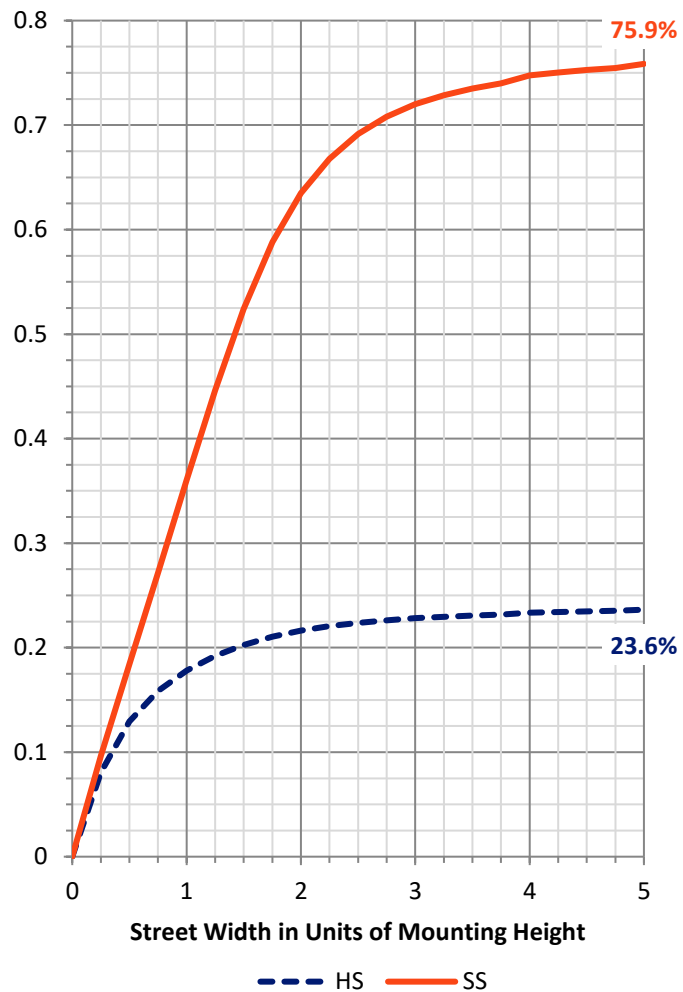
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3620.6	0.0	3620.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	11552.7	0.0	11552.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	15173.3	0.0	15173.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.7	1.3
10°-20°	616.5	4.1
20°-30°	957.6	6.3
30°-40°	1300.2	8.6
40°-50°	2060.7	13.6
50°-60°	3635.1	24.0
60°-70°	4044.6	26.7
70°-80°	2051.3	13.5
80°-90°	310.6	2.0
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°	15173.3	100.0
0°-180°	15173.3	100.0

**Coefficient of Utilization**



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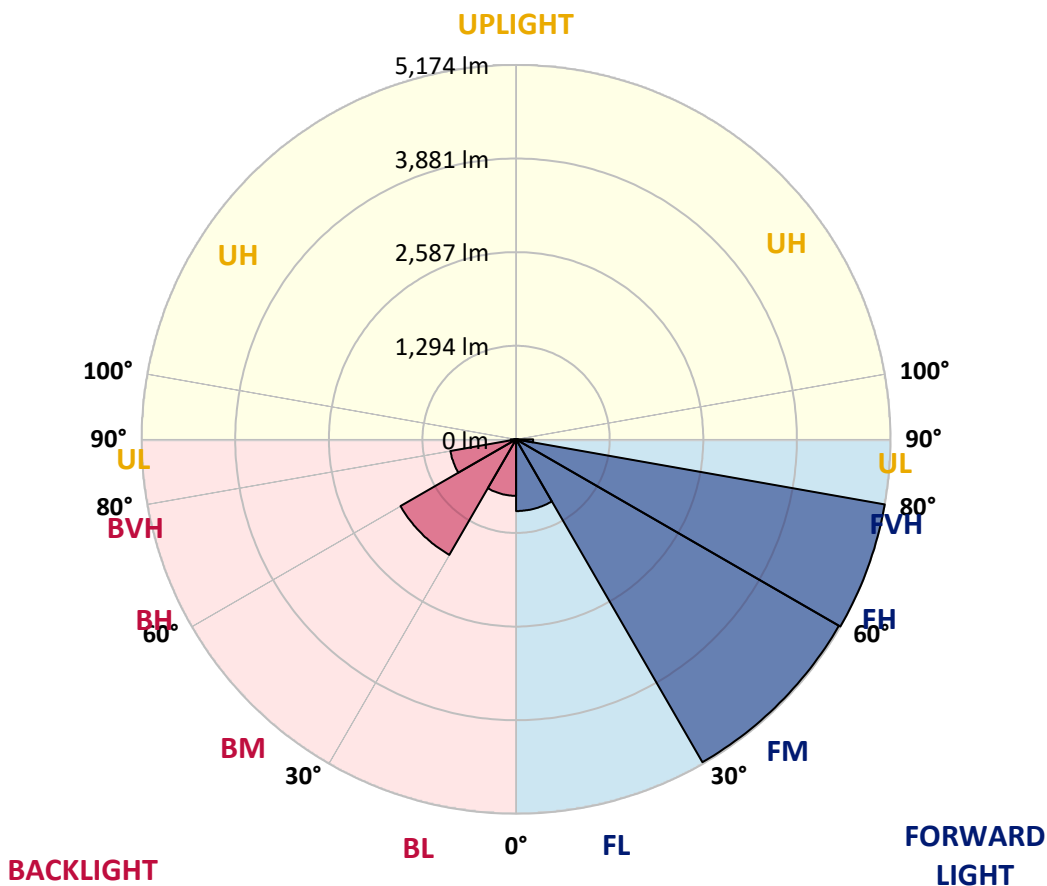
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	990.7	6.5			
FM (30°-60°)	5152.0	34.0			
FH (60°-80°)	5174.2	34.1			G3/7500
FVH (80°-90°)	235.8	1.6			G3/500
BL (0°-30°)	780.2	5.1	B2/1000		
BM (30°-60°)	1844.0	12.2	B2/2500		
BH (60°-80°)	921.6	6.1	B2/1000		G2/1000
BVH (80°-90°)	74.8	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-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8
2.5°	2164.3	2163.1	2185.0	2218.3	2249.3	2263.1	2286.1	2283.8	2265.4	2241.3	2233.2
5°	2334.3	2338.9	2376.8	2450.3	2531.9	2566.4	2581.3	2575.6	2542.2	2499.7	2425.1
7.5°	2488.3	2496.3	2554.9	2665.2	2766.3	2812.2	2849.0	2842.1	2793.8	2714.6	2604.3
10°	2600.8	2610.0	2680.1	2809.9	2922.5	2962.7	3009.8	3012.1	2969.6	2862.8	2750.2
12.5°	2713.4	2722.6	2788.1	2906.4	2979.9	2981.1	3008.6	3023.6	3025.9	2976.5	2863.9
15°	2830.6	2838.6	2898.4	2965.0	2961.5	2897.2	2897.2	2925.9	2989.1	3024.7	2946.6
17.5°	2930.5	2940.9	2986.8	2965.0	2862.8	2746.7	2732.9	2769.7	2880.0	3016.7	3008.6
20°	3013.2	3021.3	3046.6	2901.8	2715.7	2564.1	2537.6	2580.2	2729.5	2967.3	3055.7
22.5°	3092.5	3097.1	3083.3	2819.1	2557.2	2383.7	2351.5	2396.3	2557.2	2880.0	3096.0
25°	3186.7	3182.1	3116.6	2732.9	2412.4	2241.3	2208.0	2258.5	2426.2	2764.0	3139.6
27.5°	3295.8	3278.6	3145.4	2639.9	2301.0	2135.6	2112.6	2166.6	2322.8	2657.1	3174.1
30°	3388.9	3355.6	3149.9	2557.2	2243.6	2090.8	2077.0	2127.5	2272.3	2584.7	3217.7
32.5°	3492.3	3446.3	3176.4	2535.4	2275.7	2198.8	2217.1	2220.6	2286.1	2564.1	3283.2
35°	3640.5	3580.7	3248.7	2598.5	2606.6	2736.4	2803.0	2713.4	2494.0	2610.0	3407.3
37.5°	3864.5	3788.7	3395.8	2871.9	3290.1	3580.7	3741.6	3537.1	3125.8	2783.5	3594.5
40°	4136.7	4040.3	3584.2	3377.4	3928.8	4394.1	4680.1	4380.3	3776.0	3216.6	3857.6
42.5°	4517.0	4415.9	3949.5	3873.7	4520.4	5213.2	5586.5	5139.6	4349.3	3776.0	4279.2
45°	5179.8	5082.2	4619.2	4371.1	5213.2	6221.8	6745.6	6124.1	4931.7	4337.8	5067.3
47.5°	6404.4	6289.6	5614.1	4922.5	6003.5	7531.4	8264.3	7359.1	5537.1	4981.1	6390.6
50°	7874.9	7764.6	6862.8	5575.0	6876.6	8931.7	9950.7	8810.0	6234.4	5763.4	7972.5
52.5°	9644.0	9623.3	8644.5	6399.8	7785.3	10425.2	11822.1	10417.1	6998.4	6816.8	9764.6
55°	11238.5	11440.7	10907.6	7657.8	8959.3	12301.1	13746.3	12170.1	8034.5	8558.4	11863.4
57.5°	12097.8	12641.1	13460.2	10224.1	10666.4	14543.5	16120.8	14310.3	9815.2	11457.9	13809.5
60°	11530.3	12146.0	13630.2	12156.4	12359.7	16340.2	18080.6	16109.3	11563.6	13470.6	13699.2
62.5°	10586.0	11138.5	12458.5	11028.3	12621.6	16735.4	18126.6	16422.9	12258.6	12449.3	12374.6
65°	9465.9	10023.1	11421.1	9626.8	11788.8	15796.8	16789.4	15500.5	11009.9	11247.7	11275.3
67.5°	7978.3	8492.9	9916.2	8559.5	10745.7	14419.5	14736.5	14186.3	10139.1	10518.2	10121.9
70°	5961.0	6425.1	7681.9	6955.8	9058.1	12625.1	12368.9	12450.4	9161.5	9538.3	8455.0
72.5°	4073.6	4422.8	5500.3	5465.9	6936.3	10106.9	9749.7	10522.8	7652.0	8151.7	6445.8
75°	2849.0	3121.2	3975.9	4318.3	5243.0	7491.2	6943.2	7876.0	5975.9	6689.3	4703.1
77.5°	1748.4	1928.8	2511.2	3199.3	3372.8	5127.0	4312.5	5926.5	4196.5	4878.9	3137.3
80°	874.2	961.5	1220.0	2011.5	2236.7	3021.3	2381.4	3440.6	2839.8	3021.3	1735.8
82.5°	264.2	291.8	357.3	763.9	1159.1	1739.2	1407.3	1998.9	1550.8	1416.4	683.5
85°	70.1	79.3	98.8	226.3	406.7	623.8	475.6	968.4	743.3	522.7	257.3
87.5°	5.7	5.7	4.6	4.6	2.3	0.0	0.0	68.9	139.0	79.3	44.8
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°	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8
2.5°	2193.0	2188.4	2141.3	2106.9	2066.7	2027.6	1987.4	1951.8	1911.6	1871.4	1859.9
5°	2369.9	2337.8	2237.8	2154.0	2071.2	1998.9	1935.7	1870.2	1817.4	1765.7	1746.1
7.5°	2526.2	2469.9	2325.1	2197.6	2082.7	1993.1	1900.1	1804.7	1730.1	1656.5	1638.2
10°	2667.5	2592.8	2410.1	2249.3	2121.8	2019.6	1910.4	1782.9	1674.9	1585.3	1561.2
12.5°	2772.0	2690.4	2483.7	2298.7	2154.0	2039.1	1931.1	1818.5	1704.8	1588.8	1562.3
15°	2854.7	2769.7	2544.5	2336.6	2155.1	2006.9	1902.4	1863.3	1827.7	1714.0	1665.7
17.5°	2921.3	2831.7	2597.4	2359.6	2124.1	1909.3	1818.5	1876.0	1966.7	1895.5	1804.7
20°	2982.2	2891.5	2637.6	2375.7	2055.2	1774.9	1724.3	1846.1	1982.8	1980.5	1898.9
22.5°	3048.9	2960.4	2696.2	2384.9	1958.7	1638.2	1668.0	1802.4	1913.9	1947.2	1896.6
25°	3133.9	3055.7	2777.7	2405.5	1849.5	1544.0	1626.7	1746.1	1839.2	1847.2	1817.4
27.5°	3232.7	3174.1	2899.5	2453.8	1743.8	1495.7	1578.4	1666.9	1751.9	1755.3	1719.7
30°	3340.6	3301.6	3012.1	2494.0	1664.6	1480.8	1516.4	1587.6	1641.6	1650.8	1619.8
32.5°	3478.5	3444.0	3112.0	2467.6	1617.5	1477.3	1458.9	1495.7	1540.5	1540.5	1516.4
35°	3668.0	3619.8	3217.7	2366.5	1560.0	1463.5	1398.1	1408.4	1427.9	1431.4	1417.6
37.5°	3936.9	3857.6	3324.6	2166.6	1465.8	1414.1	1328.0	1315.4	1322.2	1331.4	1328.0
40°	4270.0	4140.2	3480.8	1926.5	1353.3	1318.8	1255.6	1231.5	1225.7	1244.1	1251.0
42.5°	4689.3	4490.6	3648.5	1702.5	1251.0	1209.7	1170.6	1149.9	1140.7	1171.8	1190.1
45°	5359.0	5031.6	3809.3	1480.8	1193.6	1116.6	1090.2	1075.3	1079.9	1116.6	1139.6
47.5°	6515.9	5857.6	3962.1	1340.6	1189.0	1050.0	1017.8	1021.3	1033.9	1073.0	1100.5
50°	7979.4	6963.9	4064.4	1282.0	1202.8	1009.8	967.3	985.7	1005.2	1043.1	1075.3
52.5°	9469.4	7994.3	3942.6	1249.9	1201.6	1010.9	920.2	975.3	984.5	1022.4	1056.9
55°	10494.1	8109.2	3406.1	1200.5	1183.2	1056.9	883.4	970.7	976.5	1010.9	1041.9
57.5°	10884.7	7716.3	2597.4	1214.3	1128.1	1092.5	867.3	938.6	979.9	1009.8	1041.9
60°	10412.5	6975.4	1578.4	1249.9	1039.6	1090.2	877.7	880.0	951.2	1001.7	1033.9
62.5°	9522.2	6024.2	1108.6	1148.8	975.3	1029.3	901.8	811.0	900.6	961.5	990.2
65°	8502.1	4905.3	845.5	989.1	944.3	935.1	909.8	750.2	831.7	891.5	916.7
67.5°	7439.5	3812.8	687.0	737.5	853.5	845.5	831.7	696.2	750.2	792.7	821.4
70°	6101.2	2667.5	580.1	553.7	731.8	758.2	727.2	628.4	645.6	689.3	712.2
72.5°	4463.0	1662.3	476.7	457.2	588.2	662.8	646.8	553.7	561.8	603.1	621.5
75°	3209.7	951.2	382.5	376.8	449.2	567.5	535.3	476.7	485.9	516.9	529.6
77.5°	2040.2	529.6	295.2	303.3	321.7	423.9	457.2	407.8	407.8	426.2	436.5
80°	1092.5	303.3	216.0	219.4	225.2	324.0	360.7	315.9	315.9	303.3	315.9
82.5°	445.7	174.6	148.2	137.9	150.5	221.7	252.7	201.0	210.2	189.5	194.1
85°	147.0	87.3	73.5	72.4	71.2	97.6	121.8	99.9	119.5	75.8	79.3
87.5°	19.5	16.1	9.2	6.9	8.0	3.4	6.9	8.0	8.0	5.7	5.7
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°	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8
2.5°	1851.8	1842.6	1809.3	1817.4	1811.6	1802.4	1811.6	1794.4	1808.2	1812.8	1841.5
5°	1731.2	1709.4	1677.2	1661.1	1657.7	1648.5	1649.6	1641.6	1643.9	1663.4	1695.6
7.5°	1623.2	1602.5	1577.3	1565.8	1555.4	1545.1	1544.0	1542.8	1552.0	1569.2	1600.2
10°	1545.1	1533.6	1523.3	1527.9	1523.3	1518.7	1510.6	1510.6	1525.6	1556.6	1594.5
12.5°	1545.1	1542.8	1545.1	1558.9	1557.7	1558.9	1548.6	1554.3	1595.7	1648.5	1702.5
15°	1627.8	1609.4	1609.4	1616.3	1614.0	1614.0	1614.0	1638.2	1732.4	1813.9	1871.4
17.5°	1728.9	1674.9	1651.9	1648.5	1647.3	1647.3	1651.9	1703.6	1850.7	1936.8	1970.2
20°	1799.0	1696.7	1658.8	1643.9	1645.0	1647.3	1661.1	1732.4	1894.3	1938.0	1929.9
22.5°	1811.6	1679.5	1633.6	1611.7	1615.2	1617.5	1638.2	1714.0	1834.6	1841.5	1825.4
25°	1753.0	1631.3	1581.9	1564.6	1569.2	1568.1	1586.5	1641.6	1727.8	1725.5	1716.3
27.5°	1665.7	1554.3	1517.5	1506.0	1514.1	1504.9	1510.6	1553.1	1619.8	1617.5	1614.0
30°	1576.1	1479.6	1446.3	1440.6	1450.9	1437.1	1438.3	1473.9	1519.8	1517.5	1516.4
32.5°	1486.5	1405.0	1375.1	1375.1	1385.4	1370.5	1372.8	1403.8	1434.8	1425.6	1425.6
35°	1401.5	1344.1	1319.9	1315.4	1323.4	1313.1	1317.6	1346.4	1357.9	1345.2	1337.2
37.5°	1326.8	1301.6	1277.4	1261.4	1262.5	1263.7	1277.4	1299.3	1292.4	1274.0	1263.7
40°	1257.9	1257.9	1234.9	1205.1	1201.6	1209.7	1232.6	1256.8	1237.2	1216.6	1203.9
42.5°	1208.5	1218.9	1197.0	1167.2	1160.3	1174.1	1199.3	1216.6	1193.6	1170.6	1153.4
45°	1162.6	1187.8	1172.9	1139.6	1130.4	1146.5	1178.6	1185.5	1154.5	1132.7	1120.1
47.5°	1130.4	1164.9	1154.5	1122.4	1108.6	1131.5	1164.9	1163.7	1124.7	1101.7	1091.3
50°	1107.4	1151.1	1149.9	1122.4	1107.4	1136.1	1166.0	1151.1	1108.6	1084.4	1074.1
52.5°	1089.0	1149.9	1158.0	1141.9	1131.5	1156.8	1175.2	1146.5	1097.1	1071.8	1063.8
55°	1081.0	1154.5	1160.3	1145.3	1136.1	1159.1	1175.2	1155.7	1097.1	1074.1	1067.2
57.5°	1083.3	1148.8	1149.9	1129.2	1113.2	1141.9	1167.2	1161.4	1109.7	1083.3	1075.3
60°	1069.5	1117.8	1120.1	1087.9	1069.5	1104.0	1148.8	1145.3	1104.0	1076.4	1061.5
62.5°	1023.6	1066.1	1067.2	1037.3	1010.9	1060.3	1109.7	1108.6	1070.7	1043.1	1025.9
65°	946.6	991.4	1002.9	974.2	953.5	1006.3	1058.0	1055.7	1017.8	992.5	975.3
67.5°	851.2	899.5	921.3	901.8	893.7	942.0	990.2	989.1	958.1	934.0	919.0
70°	735.2	775.4	812.2	812.2	806.4	861.6	913.3	908.7	880.0	861.6	850.1
72.5°	638.7	669.7	681.2	692.7	709.9	767.4	811.0	814.5	793.8	784.6	793.8
75°	543.4	562.9	573.2	564.0	593.9	653.7	711.1	716.8	695.0	680.1	683.5
77.5°	446.9	468.7	479.0	458.4	456.1	531.9	602.0	614.6	596.2	573.2	580.1
80°	322.8	351.5	368.8	355.0	350.4	383.7	480.2	494.0	476.7	458.4	468.7
82.5°	197.6	213.7	218.3	232.1	260.8	274.6	309.0	355.0	342.3	326.3	355.0
85°	78.1	93.1	103.4	117.2	136.7	162.0	190.7	227.5	206.8	199.9	235.5
87.5°	4.6	1.1	0.0	2.3	19.5	37.9	81.6	112.6	94.2	101.1	121.8
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°	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8	2013.8
2.5°	1864.5	1894.3	1934.5	1967.9	2010.4	2050.6	2091.9	2133.3	2155.1	2164.3
5°	1732.4	1787.5	1851.8	1923.1	2005.8	2093.1	2181.5	2272.3	2329.7	2334.3
7.5°	1653.1	1732.4	1820.8	1910.4	2012.7	2133.3	2273.4	2413.6	2472.2	2488.3
10°	1678.4	1766.8	1836.9	1920.8	2033.3	2183.8	2349.2	2513.5	2581.3	2600.8
12.5°	1779.5	1796.7	1818.5	1895.5	2033.3	2227.5	2427.4	2622.7	2695.0	2713.4
15°	1863.3	1780.6	1741.5	1823.1	2005.8	2265.4	2510.1	2726.0	2813.4	2830.6
17.5°	1870.2	1727.8	1642.8	1716.3	1957.5	2291.8	2589.3	2840.9	2914.4	2930.5
20°	1800.1	1671.5	1561.2	1606.0	1892.0	2303.3	2646.8	2924.8	2997.2	3013.2
22.5°	1720.9	1625.5	1506.0	1503.7	1812.8	2315.9	2715.7	3004.1	3082.2	3092.5
25°	1646.2	1562.3	1461.2	1429.1	1720.9	2340.1	2808.8	3123.5	3183.3	3186.7
27.5°	1558.9	1494.6	1425.6	1394.6	1640.5	2386.0	2946.6	3266.0	3301.6	3295.8
30°	1479.6	1431.4	1400.4	1391.2	1589.9	2420.5	3077.6	3406.1	3408.4	3388.9
32.5°	1395.8	1377.4	1377.4	1407.3	1548.6	2412.4	3184.4	3542.8	3521.0	3492.3
35°	1321.1	1324.5	1348.7	1418.7	1479.6	2332.0	3286.7	3714.0	3681.8	3640.5
37.5°	1249.9	1276.3	1310.8	1378.5	1388.9	2212.5	3406.1	3956.4	3916.2	3864.5
40°	1189.0	1229.2	1269.4	1302.7	1292.4	2042.5	3572.7	4241.3	4196.5	4136.7
42.5°	1140.7	1179.8	1224.6	1228.0	1231.5	1865.6	3749.6	4590.5	4582.5	4517.0
45°	1109.7	1135.0	1177.5	1171.8	1228.0	1670.3	3912.7	5123.5	5229.2	5179.8
47.5°	1089.0	1108.6	1113.2	1137.3	1257.9	1495.7	4123.0	6166.6	6460.7	6404.4
50°	1077.6	1097.1	1045.4	1139.6	1262.5	1383.1	4413.6	7476.2	7949.5	7874.9
52.5°	1076.4	1071.8	993.7	1163.7	1237.2	1314.2	4565.2	8432.0	9482.0	9644.0
55°	1078.7	1021.3	967.3	1170.6	1186.7	1288.9	4057.5	8891.5	10896.2	11238.5
57.5°	1058.0	966.1	982.2	1143.0	1091.3	1356.7	2999.5	8727.3	11461.4	12097.8
60°	1019.0	913.3	1009.8	1068.4	993.7	1240.7	2065.5	7994.3	10875.5	11530.3
62.5°	962.7	876.5	1006.3	971.9	958.1	1015.5	1419.9	6968.5	9946.1	10586.0
65°	899.5	846.6	952.3	878.8	886.9	781.2	1004.0	5810.5	8836.4	9465.9
67.5°	831.7	828.3	873.1	782.3	749.0	619.2	731.8	4657.1	7410.8	7978.3
70°	754.7	780.0	793.8	695.0	607.7	485.9	543.4	3256.8	5467.0	5961.0
72.5°	677.8	680.1	699.6	604.3	454.9	389.4	407.8	1972.5	3714.0	4073.6
75°	599.7	577.8	596.2	491.7	338.9	319.4	314.8	1218.9	2565.2	2849.0
77.5°	515.8	491.7	467.6	369.9	272.3	247.0	241.2	683.5	1573.8	1748.4
80°	419.3	387.1	349.2	271.1	198.7	176.9	175.8	333.1	784.6	874.2
82.5°	326.3	265.4	255.0	168.9	122.9	108.0	114.9	127.5	236.6	264.2
85°	228.6	193.0	135.6	67.8	55.1	44.8	43.7	37.9	63.2	70.1
87.5°	127.5	83.9	43.7	8.0	9.2	10.3	8.0	5.7	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)