

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: P634306

Luminaire Tested: GWS-SA3B-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634306
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-SA3B-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9848.6 lumens
Efficiency: N/A
Efficacy: 144.2 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

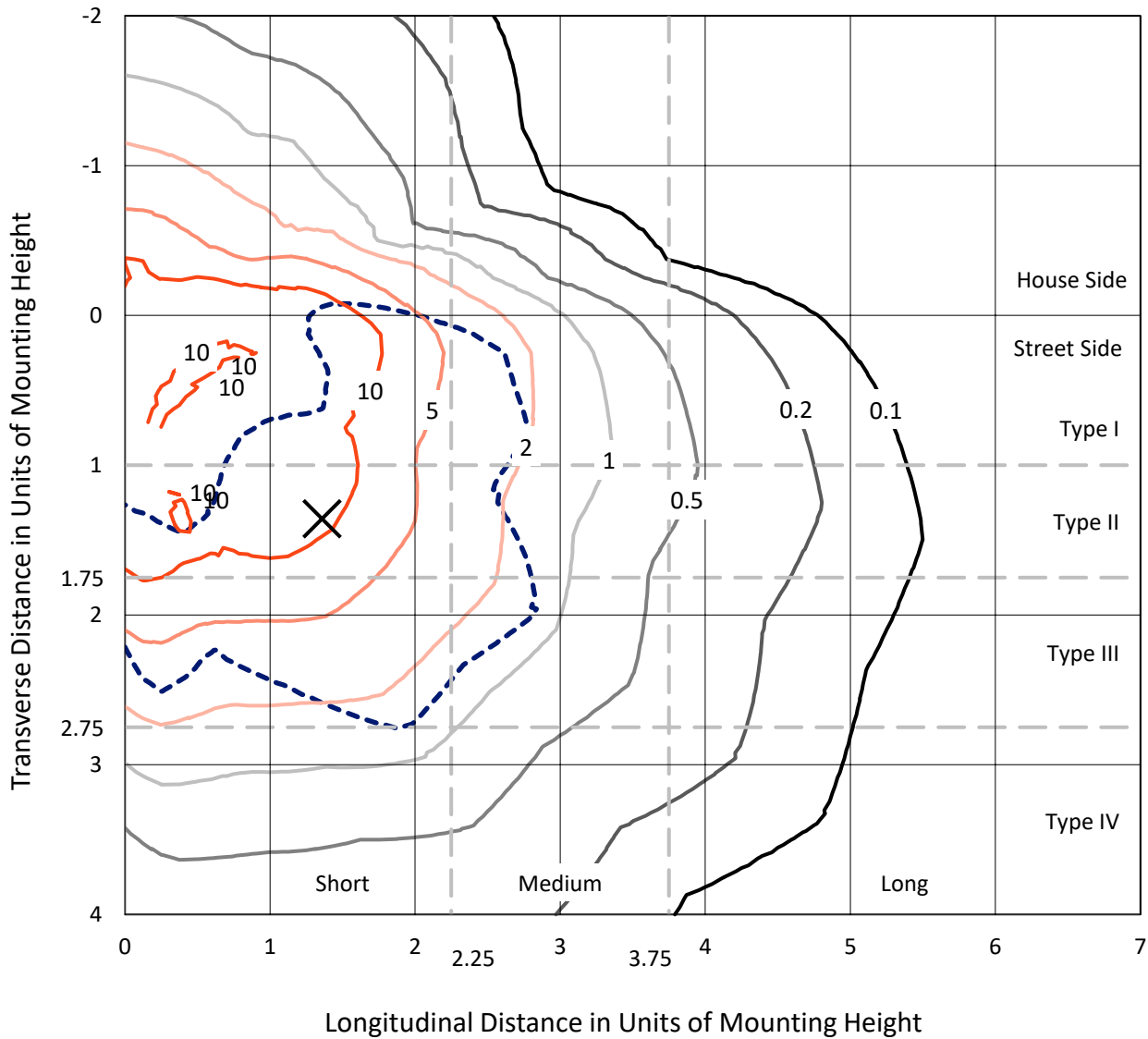
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

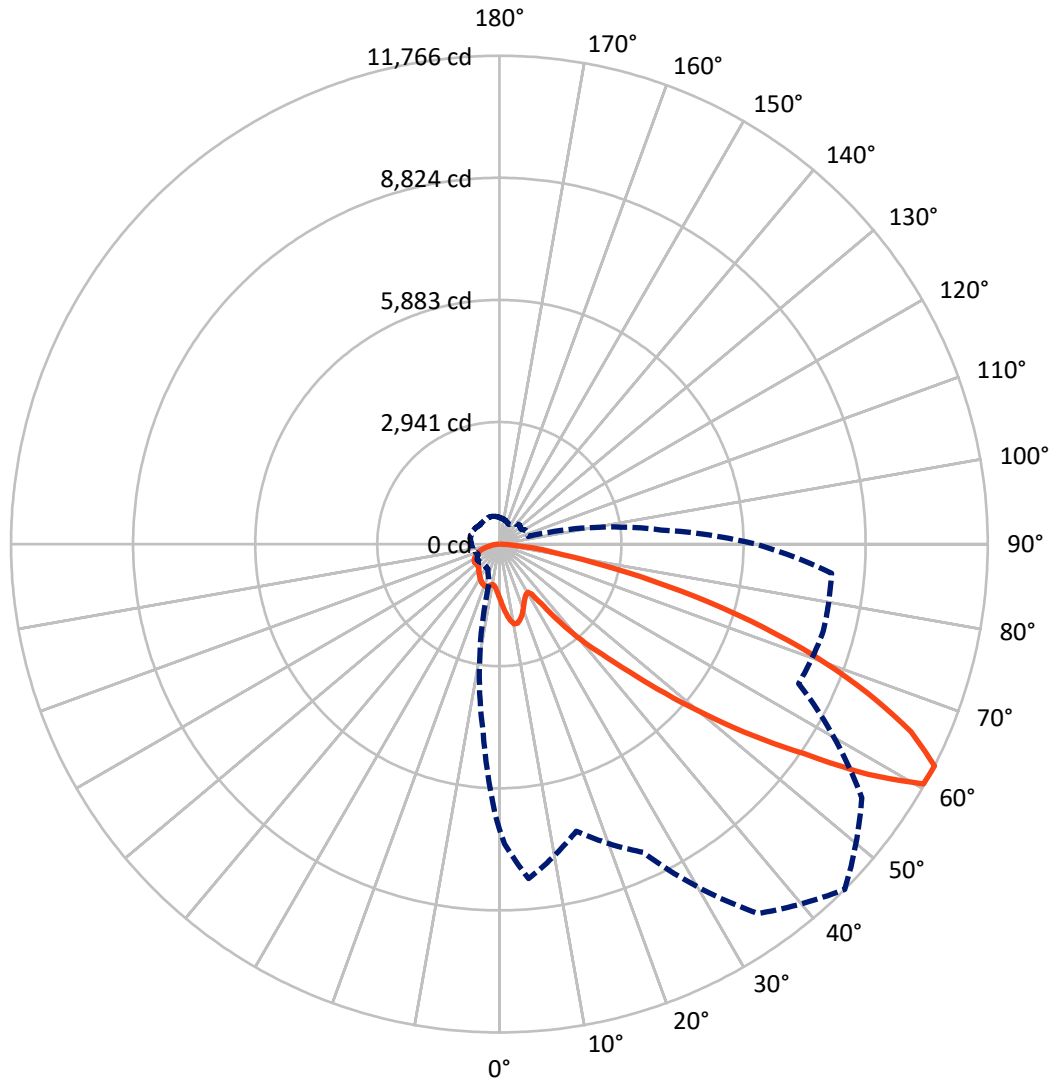
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 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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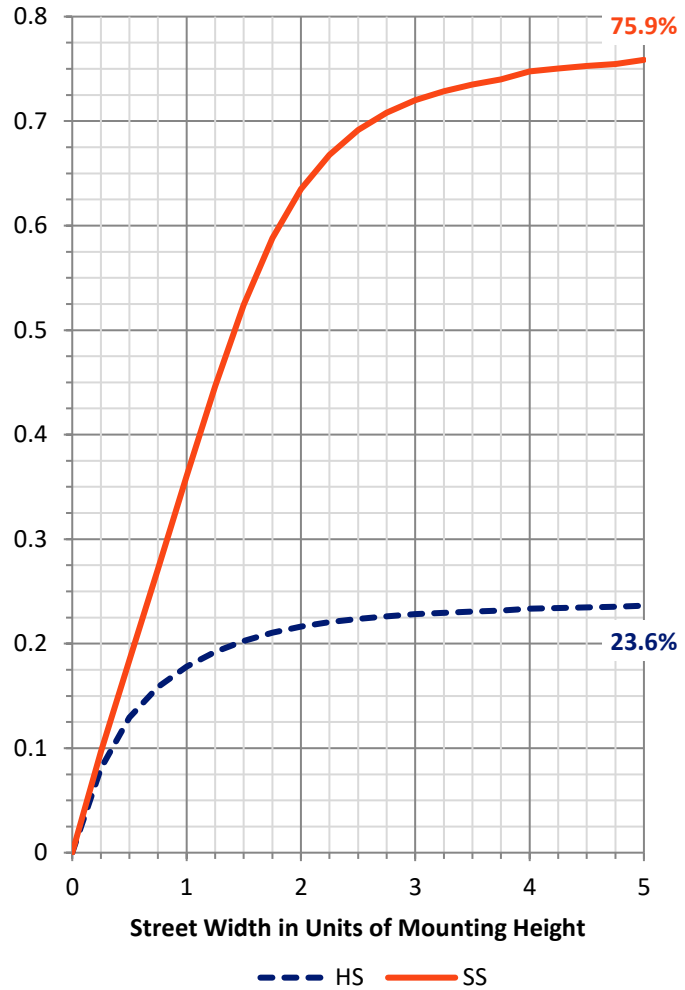
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2350.1	0.0	2350.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7498.5	0.0	7498.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	9848.6	0.0	9848.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	1.3
10°-20°	400.2	4.1
20°-30°	621.6	6.3
30°-40°	843.9	8.6
40°-50°	1337.6	13.6
50°-60°	2359.4	24.0
60°-70°	2625.2	26.7
70°-80°	1331.4	13.5
80°-90°	201.6	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°	9848.6	100.0
0°-180°	9848.6	100.0

Coefficient of Utilization



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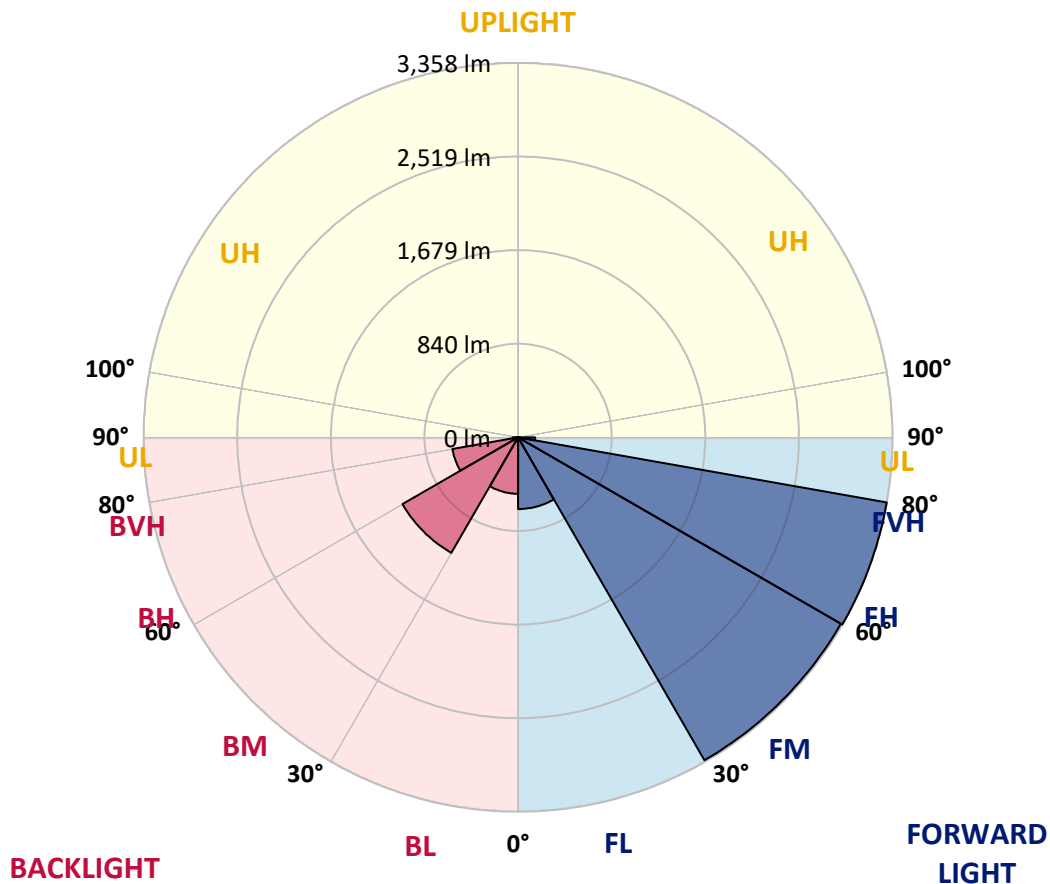
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.0	6.5			
FM (30°-60°)	3344.0	34.0			
FH (60°-80°)	3358.5	34.1			G2/5000
FVH (80°-90°)	153.0	1.6			G2/225
BL (0°-30°)	506.4	5.1	B2/1000		
BM (30°-60°)	1196.9	12.2	B2/2500		
BH (60°-80°)	598.2	6.1	B2/1000		G2/1000
BVH (80°-90°)	48.6	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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1404.8	1404.0	1418.2	1439.8	1460.0	1468.9	1483.8	1482.3	1470.4	1454.7	1449.5
5°	1515.1	1518.1	1542.7	1590.5	1643.4	1665.8	1675.5	1671.7	1650.1	1622.5	1574.1
7.5°	1615.1	1620.3	1658.3	1729.9	1795.5	1825.3	1849.2	1844.7	1813.4	1762.0	1690.4
10°	1688.1	1694.1	1739.6	1823.8	1896.9	1923.0	1953.6	1955.1	1927.5	1858.1	1785.1
12.5°	1761.2	1767.2	1809.7	1886.5	1934.2	1934.9	1952.8	1962.5	1964.0	1932.0	1858.9
15°	1837.3	1842.5	1881.3	1924.5	1922.3	1880.5	1880.5	1899.2	1940.2	1963.3	1912.6
17.5°	1902.1	1908.8	1938.7	1924.5	1858.1	1782.8	1773.9	1797.7	1869.3	1958.1	1952.8
20°	1955.8	1961.0	1977.4	1883.5	1762.7	1664.3	1647.1	1674.7	1771.6	1926.0	1983.4
22.5°	2007.3	2010.3	2001.3	1829.8	1659.8	1547.2	1526.3	1555.4	1659.8	1869.3	2009.5
25°	2068.4	2065.4	2022.9	1773.9	1565.8	1454.7	1433.1	1465.9	1574.8	1794.0	2037.8
27.5°	2139.2	2128.1	2041.6	1713.5	1493.5	1386.1	1371.2	1406.3	1507.7	1724.7	2060.2
30°	2199.6	2178.0	2044.6	1659.8	1456.2	1357.1	1348.1	1380.9	1474.9	1677.7	2088.5
32.5°	2266.8	2236.9	2061.7	1645.6	1477.1	1427.2	1439.1	1441.3	1483.8	1664.3	2131.0
35°	2362.9	2324.2	2108.7	1686.6	1691.9	1776.1	1819.4	1761.2	1618.8	1694.1	2211.6
37.5°	2508.3	2459.1	2204.1	1864.1	2135.5	2324.2	2428.6	2295.8	2028.9	1806.7	2333.1
40°	2685.1	2622.4	2326.4	2192.2	2550.1	2852.1	3037.7	2843.1	2450.9	2087.8	2503.9
42.5°	2931.9	2866.2	2563.5	2514.3	2934.1	3383.7	3626.1	3336.0	2823.0	2450.9	2777.5
45°	3362.1	3298.7	2998.2	2837.2	3383.7	4038.4	4378.4	3975.0	3201.0	2815.5	3289.0
47.5°	4157.0	4082.4	3644.0	3195.1	3896.7	4888.4	5364.1	4776.6	3594.0	3233.1	4148.0
50°	5111.4	5039.8	4454.5	3618.6	4463.4	5797.4	6458.8	5718.3	4046.6	3740.9	5174.8
52.5°	6259.7	6246.2	5611.0	4154.0	5053.2	6766.7	7673.4	6761.5	4542.5	4424.6	6338.0
55°	7294.6	7425.8	7079.9	4970.4	5815.3	7984.3	8922.4	7899.3	5215.0	5555.0	7700.2
57.5°	7852.4	8205.0	8736.7	6636.2	6923.3	9439.8	10463.6	9288.5	6370.8	7437.0	8963.4
60°	7484.0	7883.7	8847.0	7890.4	8022.4	10606.0	11735.7	10456.1	7505.6	8743.4	8891.8
62.5°	6871.1	7229.7	8086.5	7158.2	8192.4	10862.5	11765.5	10659.7	7956.7	8080.5	8032.1
65°	6144.1	6505.7	7413.2	6248.5	7651.8	10253.3	10897.6	10060.9	7146.2	7300.6	7318.5
67.5°	5178.5	5512.5	6436.4	5555.8	6974.7	9359.3	9565.1	9207.9	6581.0	6827.1	6569.9
70°	3869.1	4170.4	4986.1	4514.9	5879.4	8194.6	8028.3	8081.3	5946.5	6191.1	5487.9
72.5°	2644.0	2870.7	3570.1	3547.8	4502.2	6560.2	6328.3	6830.1	4966.7	5291.1	4183.8
75°	1849.2	2025.9	2580.7	2802.9	3403.1	4862.3	4506.7	5112.1	3878.8	4341.9	3052.7
77.5°	1134.9	1251.9	1630.0	2076.6	2189.2	3327.8	2799.1	3846.8	2723.8	3166.7	2036.3
80°	567.4	624.1	791.9	1305.6	1451.8	1961.0	1545.7	2233.2	1843.2	1961.0	1126.7
82.5°	171.5	189.4	231.9	495.9	752.4	1128.9	913.4	1297.4	1006.6	919.4	443.7
85°	45.5	51.4	64.1	146.9	264.0	404.9	308.7	628.6	482.4	339.3	167.0
87.5°	3.7	3.7	3.0	3.0	1.5	0.0	0.0	44.7	90.2	51.4	29.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1423.4	1420.4	1389.9	1367.5	1341.4	1316.1	1290.0	1266.8	1240.7	1214.7	1207.2
5°	1538.3	1517.4	1452.5	1398.1	1344.4	1297.4	1256.4	1213.9	1179.6	1146.1	1133.4
7.5°	1639.7	1603.1	1509.2	1426.4	1351.8	1293.7	1233.3	1171.4	1122.9	1075.2	1063.3
10°	1731.4	1682.9	1564.4	1460.0	1377.2	1310.8	1240.0	1157.2	1087.1	1029.0	1013.3
12.5°	1799.2	1746.3	1612.1	1492.0	1398.1	1323.5	1253.4	1180.4	1106.5	1031.2	1014.1
15°	1852.9	1797.7	1651.6	1516.6	1398.8	1302.6	1234.8	1209.4	1186.3	1112.5	1081.2
17.5°	1896.2	1838.0	1685.9	1531.5	1378.7	1239.3	1180.4	1217.6	1276.5	1230.3	1171.4
20°	1935.7	1876.8	1712.0	1542.0	1334.0	1152.0	1119.2	1198.2	1287.0	1285.5	1232.5
22.5°	1978.9	1921.5	1750.0	1548.0	1271.3	1063.3	1082.7	1169.9	1242.2	1263.9	1231.1
25°	2034.1	1983.4	1803.0	1561.4	1200.5	1002.1	1055.8	1133.4	1193.8	1199.0	1179.6
27.5°	2098.2	2060.2	1882.0	1592.7	1131.9	970.8	1024.5	1081.9	1137.1	1139.3	1116.2
30°	2168.3	2143.0	1955.1	1618.8	1080.4	961.1	984.2	1030.5	1065.5	1071.5	1051.4
32.5°	2257.8	2235.4	2019.9	1601.6	1049.9	958.9	947.0	970.8	999.9	999.9	984.2
35°	2380.8	2349.5	2088.5	1536.0	1012.6	949.9	907.4	914.2	926.8	929.1	920.1
37.5°	2555.3	2503.9	2157.9	1406.3	951.4	917.9	862.0	853.8	858.2	864.2	862.0
40°	2771.6	2687.3	2259.3	1250.4	878.4	856.0	815.0	799.3	795.6	807.5	812.0
42.5°	3043.7	2914.7	2368.2	1105.0	812.0	785.2	759.8	746.4	740.4	760.6	772.5
45°	3478.4	3265.9	2472.5	961.1	774.7	724.8	707.6	697.9	700.9	724.8	739.7
47.5°	4229.3	3802.0	2571.7	870.2	771.7	681.5	660.6	662.9	671.1	696.4	714.3
50°	5179.2	4520.1	2638.1	832.1	780.7	655.4	627.8	639.8	652.4	677.0	697.9
52.5°	6146.3	5188.9	2559.0	811.3	779.9	656.2	597.3	633.1	639.0	663.6	686.0
55°	6811.4	5263.5	2210.8	779.2	768.0	686.0	573.4	630.1	633.8	656.2	676.3
57.5°	7065.0	5008.5	1685.9	788.1	732.2	709.1	563.0	609.2	636.0	655.4	676.3
60°	6758.5	4527.5	1024.5	811.3	674.8	707.6	569.7	571.2	617.4	650.2	671.1
62.5°	6180.6	3910.1	719.5	745.6	633.1	668.1	585.3	526.4	584.6	624.1	642.7
65°	5518.5	3183.9	548.8	642.0	612.9	607.0	590.5	486.9	539.8	578.6	595.0
67.5°	4828.8	2474.8	445.9	478.7	554.0	548.8	539.8	451.9	486.9	514.5	533.1
70°	3960.1	1731.4	376.5	359.4	475.0	492.1	472.0	407.9	419.1	447.4	462.3
72.5°	2896.8	1078.9	309.4	296.8	381.8	430.2	419.8	359.4	364.6	391.5	403.4
75°	2083.3	617.4	248.3	244.6	291.5	368.3	347.5	309.4	315.4	335.5	343.7
77.5°	1324.3	343.7	191.6	196.8	208.8	275.1	296.8	264.7	264.7	276.6	283.3
80°	709.1	196.8	140.2	142.4	146.1	210.3	234.1	205.1	205.1	196.8	205.1
82.5°	289.3	113.3	96.2	89.5	97.7	143.9	164.0	130.5	136.5	123.0	126.0
85°	95.4	56.7	47.7	47.0	46.2	63.4	79.0	64.9	77.5	49.2	51.4
87.5°	12.7	10.4	6.0	4.5	5.2	2.2	4.5	5.2	5.2	3.7	3.7
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°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1202.0	1196.0	1174.4	1179.6	1175.9	1169.9	1175.9	1164.7	1173.6	1176.6	1195.3
5°	1123.7	1109.5	1088.6	1078.2	1076.0	1070.0	1070.7	1065.5	1067.0	1079.7	1100.6
7.5°	1053.6	1040.2	1023.8	1016.3	1009.6	1002.9	1002.1	1001.4	1007.4	1018.5	1038.7
10°	1002.9	995.4	988.7	991.7	988.7	985.7	980.5	980.5	990.2	1010.3	1035.0
12.5°	1002.9	1001.4	1002.9	1011.8	1011.1	1011.8	1005.1	1008.9	1035.7	1070.0	1105.0
15°	1056.6	1044.6	1044.6	1049.1	1047.6	1047.6	1047.6	1063.3	1124.4	1177.4	1214.7
17.5°	1122.2	1087.1	1072.2	1070.0	1069.3	1069.3	1072.2	1105.8	1201.2	1257.2	1278.8
20°	1167.7	1101.3	1076.7	1067.0	1067.8	1069.3	1078.2	1124.4	1229.6	1257.9	1252.7
22.5°	1175.9	1090.1	1060.3	1046.1	1048.4	1049.9	1063.3	1112.5	1190.8	1195.3	1184.8
25°	1137.8	1058.8	1026.7	1015.6	1018.5	1017.8	1029.7	1065.5	1121.4	1120.0	1114.0
27.5°	1081.2	1008.9	985.0	977.5	982.8	976.8	980.5	1008.1	1051.4	1049.9	1047.6
30°	1023.0	960.4	938.8	935.0	941.7	932.8	933.5	956.7	986.5	985.0	984.2
32.5°	964.9	911.9	892.5	892.5	899.2	889.6	891.0	911.2	931.3	925.3	925.3
35°	909.7	872.4	856.7	853.8	859.0	852.3	855.3	873.9	881.3	873.1	867.9
37.5°	861.2	844.8	829.2	818.7	819.5	820.2	829.2	843.3	838.8	826.9	820.2
40°	816.5	816.5	801.6	782.2	779.9	785.2	800.1	815.7	803.1	789.6	781.4
42.5°	784.4	791.1	777.0	757.6	753.1	762.0	778.5	789.6	774.7	759.8	748.6
45°	754.6	771.0	761.3	739.7	733.7	744.2	765.0	769.5	749.4	735.2	727.0
47.5°	733.7	756.1	749.4	728.5	719.5	734.5	756.1	755.3	730.0	715.1	708.4
50°	718.8	747.1	746.4	728.5	718.8	737.4	756.8	747.1	719.5	703.9	697.2
52.5°	706.9	746.4	751.6	741.2	734.5	750.9	762.8	744.2	712.1	695.7	690.5
55°	701.6	749.4	753.1	743.4	737.4	752.4	762.8	750.1	712.1	697.2	692.7
57.5°	703.1	745.6	746.4	733.0	722.5	741.2	757.6	753.8	720.3	703.1	697.9
60°	694.2	725.5	727.0	706.1	694.2	716.6	745.6	743.4	716.6	698.7	689.0
62.5°	664.4	692.0	692.7	673.3	656.2	688.2	720.3	719.5	694.9	677.0	665.9
65°	614.4	643.5	650.9	632.3	618.9	653.2	686.7	685.2	660.6	644.2	633.1
67.5°	552.5	583.8	598.0	585.3	580.1	611.4	642.7	642.0	621.9	606.2	596.5
70°	477.2	503.3	527.2	527.2	523.4	559.2	592.8	589.8	571.2	559.2	551.8
72.5°	414.6	434.7	442.2	449.6	460.8	498.1	526.4	528.7	515.2	509.3	515.2
75°	352.7	365.4	372.1	366.1	385.5	424.3	461.6	465.3	451.1	441.4	443.7
77.5°	290.1	304.2	310.9	297.5	296.0	345.2	390.7	398.9	387.0	372.1	376.5
80°	209.5	228.2	239.4	230.4	227.4	249.0	311.7	320.6	309.4	297.5	304.2
82.5°	128.3	138.7	141.7	150.6	169.3	178.2	200.6	230.4	222.2	211.8	230.4
85°	50.7	60.4	67.1	76.1	88.7	105.1	123.8	147.6	134.2	129.7	152.9
87.5°	3.0	0.7	0.0	1.5	12.7	24.6	52.9	73.1	61.1	65.6	79.0
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°	359°	360°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1210.2	1229.6	1255.7	1277.3	1304.9	1331.0	1357.8	1384.7	1398.8	1404.8
5°	1124.4	1160.2	1202.0	1248.2	1301.9	1358.6	1416.0	1474.9	1512.2	1515.1
7.5°	1073.0	1124.4	1181.8	1240.0	1306.4	1384.7	1475.6	1566.6	1604.6	1615.1
10°	1089.4	1146.8	1192.3	1246.7	1319.8	1417.5	1524.8	1631.5	1675.5	1688.1
12.5°	1155.0	1166.2	1180.4	1230.3	1319.8	1445.8	1575.5	1702.3	1749.3	1761.2
15°	1209.4	1155.7	1130.4	1183.3	1301.9	1470.4	1629.2	1769.4	1826.1	1837.3
17.5°	1213.9	1121.4	1066.3	1114.0	1270.6	1487.6	1680.7	1844.0	1891.7	1902.1
20°	1168.4	1084.9	1013.3	1042.4	1228.1	1495.0	1718.0	1898.4	1945.4	1955.8
22.5°	1117.0	1055.1	977.5	976.0	1176.6	1503.2	1762.7	1949.9	2000.6	2007.3
25°	1068.5	1014.1	948.5	927.6	1117.0	1518.9	1823.1	2027.4	2066.2	2068.4
27.5°	1011.8	970.1	925.3	905.2	1064.8	1548.7	1912.6	2119.9	2143.0	2139.2
30°	960.4	929.1	908.9	903.0	1032.0	1571.1	1997.6	2210.8	2212.3	2199.6
32.5°	906.0	894.0	894.0	913.4	1005.1	1565.8	2066.9	2299.6	2285.4	2266.8
35°	857.5	859.7	875.4	920.9	960.4	1513.7	2133.3	2410.7	2389.8	2362.9
37.5°	811.3	828.4	850.8	894.8	901.5	1436.1	2210.8	2568.0	2541.9	2508.3
40°	771.7	797.8	823.9	845.6	838.8	1325.8	2318.9	2752.9	2723.8	2685.1
42.5°	740.4	765.8	794.9	797.1	799.3	1210.9	2433.8	2979.6	2974.4	2931.9
45°	720.3	736.7	764.3	760.6	797.1	1084.2	2539.7	3325.6	3394.2	3362.1
47.5°	706.9	719.5	722.5	738.2	816.5	970.8	2676.1	4002.6	4193.5	4157.0
50°	699.4	712.1	678.5	739.7	819.5	897.8	2864.8	4852.6	5159.8	5111.4
52.5°	698.7	695.7	645.0	755.3	803.1	853.0	2963.2	5473.0	6154.5	6259.7
55°	700.2	662.9	627.8	759.8	770.2	836.6	2633.6	5771.3	7072.4	7294.6
57.5°	686.7	627.1	637.5	741.9	708.4	880.6	1946.9	5664.6	7439.3	7852.4
60°	661.4	592.8	655.4	693.4	645.0	805.3	1340.7	5188.9	7059.0	7484.0
62.5°	624.8	568.9	653.2	630.8	621.9	659.1	921.6	4523.1	6455.8	6871.1
65°	583.8	549.5	618.1	570.4	575.6	507.0	651.7	3771.5	5735.5	6144.1
67.5°	539.8	537.6	566.7	507.8	486.2	401.9	475.0	3022.8	4810.1	5178.5
70°	489.9	506.3	515.2	451.1	394.4	315.4	352.7	2113.9	3548.5	3869.1
72.5°	439.9	441.4	454.1	392.2	295.3	252.8	264.7	1280.3	2410.7	2644.0
75°	389.2	375.1	387.0	319.1	220.0	207.3	204.3	791.1	1665.0	1849.2
77.5°	334.8	319.1	303.5	240.1	176.7	160.3	156.6	443.7	1021.5	1134.9
80°	272.2	251.3	226.7	176.0	129.0	114.8	114.1	216.2	509.3	567.4
82.5°	211.8	172.2	165.5	109.6	79.8	70.1	74.6	82.8	153.6	171.5
85°	148.4	125.3	88.0	44.0	35.8	29.1	28.3	24.6	41.0	45.5
87.5°	82.8	54.4	28.3	5.2	6.0	6.7	5.2	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)