

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: P632381

Luminaire Tested: GWS-SA2C-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632381
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-SA2C-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8964.1 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

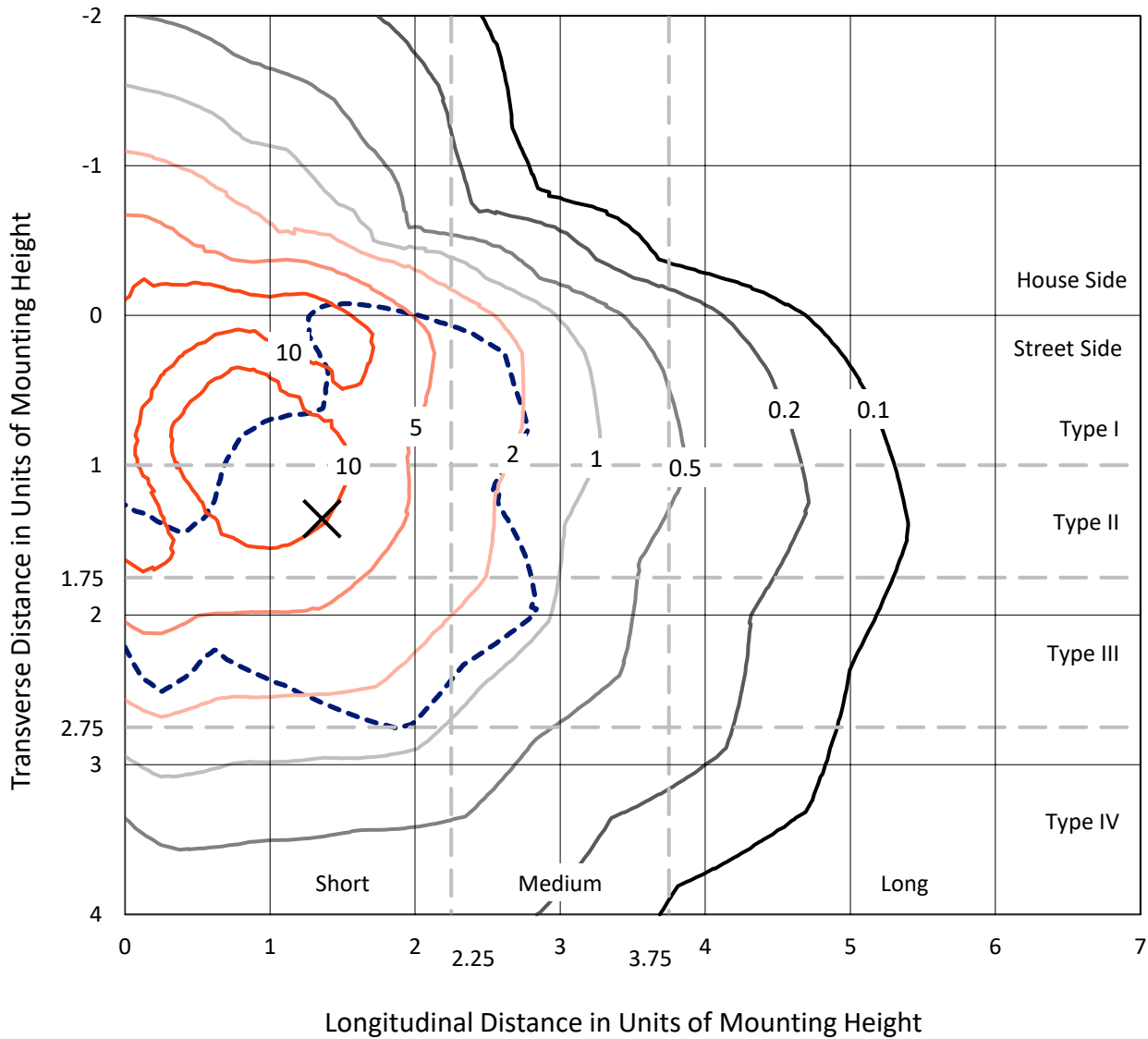
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

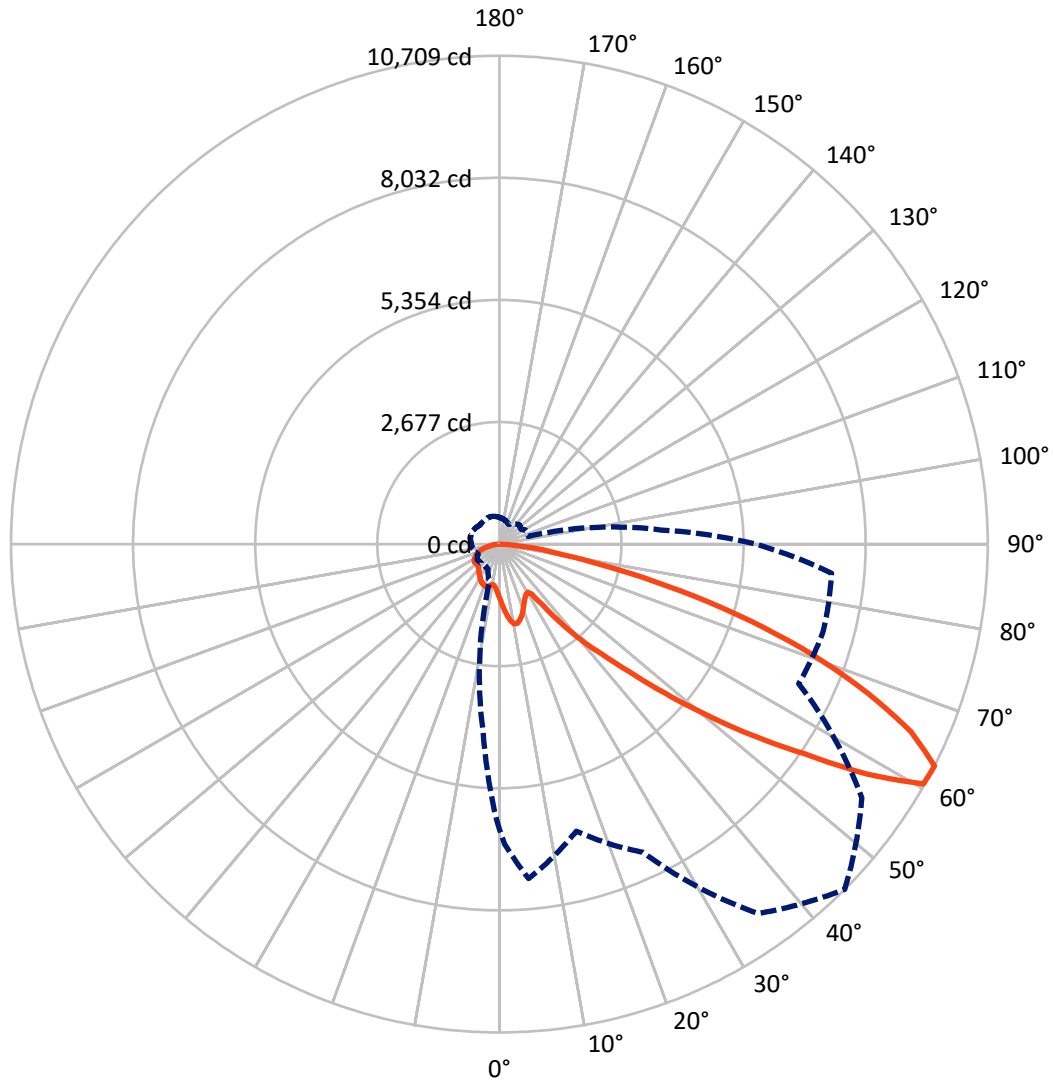
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 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	2139.0	0.0	2139.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6825.1	0.0	6825.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	8964.1	0.0	8964.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	1.3
10°-20°	364.2	4.1
20°-30°	565.8	6.3
30°-40°	768.1	8.6
40°-50°	1217.4	13.6
50°-60°	2147.5	24.0
60°-70°	2389.5	26.7
70°-80°	1211.8	13.5
80°-90°	183.5	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°	8964.1	100.0
0°-180°	8964.1	100.0

Coefficient of Utilization



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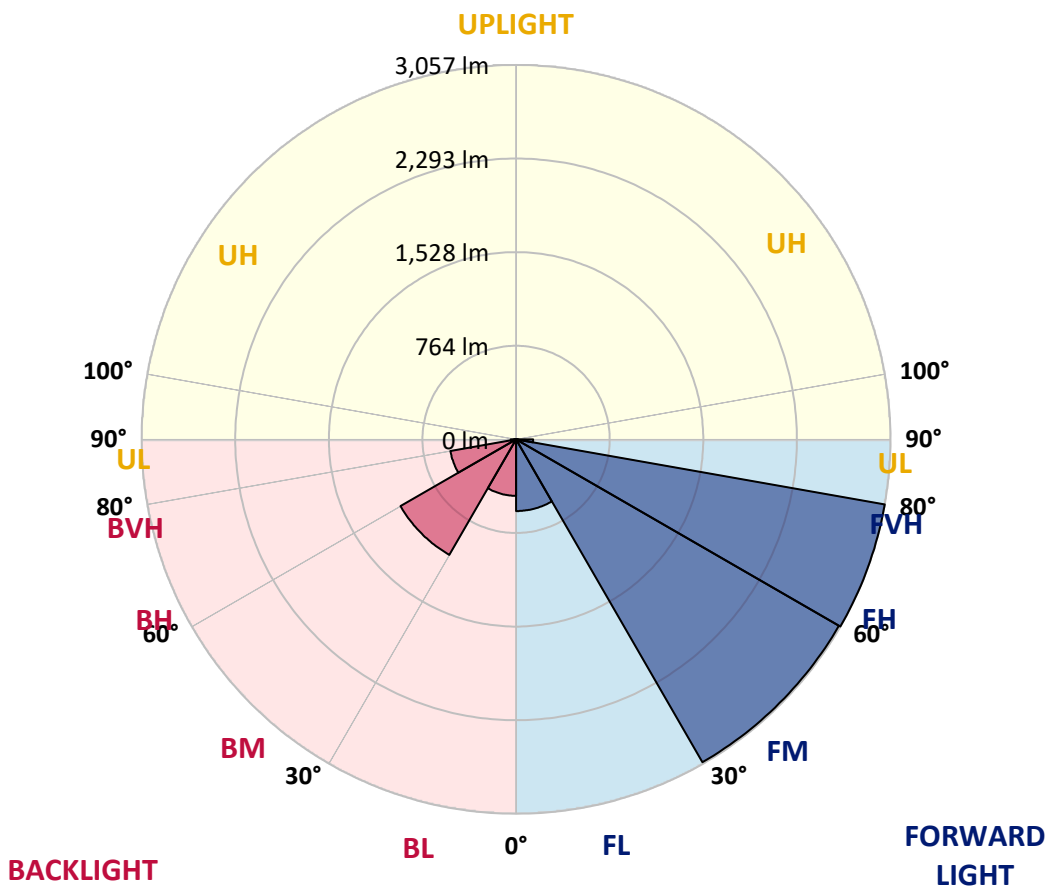
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.3	6.5			
FM (30°-60°)	3043.7	34.0			
FH (60°-80°)	3056.8	34.1			G2/5000
FVH (80°-90°)	139.3	1.6			G2/225
BL (0°-30°)	460.9	5.1	B1/500		
BM (30°-60°)	1089.4	12.2	B2/2500		
BH (60°-80°)	544.5	6.1	B2/1000		G2/1000
BVH (80°-90°)	44.2	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°	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7
2.5°	1278.6	1277.9	1290.8	1310.5	1328.8	1337.0	1350.6	1349.2	1338.3	1324.1	1319.3
5°	1379.1	1381.8	1404.2	1447.6	1495.8	1516.2	1525.0	1521.6	1501.9	1476.8	1432.7
7.5°	1470.0	1474.8	1509.4	1574.5	1634.3	1661.4	1683.1	1679.0	1650.5	1603.7	1538.6
10°	1536.5	1542.0	1583.4	1660.0	1726.6	1750.3	1778.1	1779.5	1754.4	1691.3	1624.8
12.5°	1603.0	1608.5	1647.1	1717.1	1760.5	1761.2	1777.5	1786.3	1787.6	1758.4	1691.9
15°	1672.3	1677.0	1712.3	1751.7	1749.6	1711.6	1711.6	1728.6	1765.9	1787.0	1740.8
17.5°	1731.3	1737.4	1764.6	1751.7	1691.3	1622.7	1614.6	1636.3	1701.4	1782.2	1777.5
20°	1780.2	1784.9	1799.8	1714.3	1604.4	1514.8	1499.2	1524.3	1612.5	1753.0	1805.3
22.5°	1827.0	1829.7	1821.6	1665.5	1510.7	1408.3	1389.2	1415.7	1510.7	1701.4	1829.0
25°	1882.6	1879.9	1841.2	1614.6	1425.2	1324.1	1304.4	1334.3	1433.4	1632.9	1854.8
27.5°	1947.1	1936.9	1858.2	1559.6	1359.4	1261.7	1248.1	1280.0	1372.3	1569.8	1875.2
30°	2002.1	1982.4	1860.9	1510.7	1325.5	1235.2	1227.0	1256.9	1342.4	1527.0	1901.0
32.5°	2063.2	2036.0	1876.5	1497.8	1344.5	1299.0	1309.8	1311.9	1350.6	1514.8	1939.7
35°	2150.7	2115.4	1919.3	1535.2	1539.9	1616.6	1656.0	1603.0	1473.4	1542.0	2013.0
37.5°	2283.1	2238.3	2006.2	1696.7	1943.7	2115.4	2210.4	2089.6	1846.7	1644.4	2123.6
40°	2443.9	2386.9	2117.5	1995.3	2321.1	2595.9	2764.9	2587.8	2230.8	1900.3	2279.0
42.5°	2668.6	2608.8	2333.3	2288.5	2670.6	3079.8	3300.4	3036.4	2569.5	2230.8	2528.1
45°	3060.2	3002.5	2729.0	2582.4	3079.8	3675.7	3985.2	3618.0	2913.6	2562.7	2993.6
47.5°	3783.6	3715.8	3316.7	2908.1	3546.8	4449.4	4882.4	4347.6	3271.2	2942.7	3775.5
50°	4652.3	4587.2	4054.4	3293.6	4062.6	5276.7	5878.7	5204.8	3683.2	3404.9	4710.0
52.5°	5697.5	5685.3	5107.0	3780.9	4599.4	6159.0	6984.3	6154.2	4134.5	4027.3	5768.7
55°	6639.5	6758.9	6444.0	4524.1	5293.0	7267.3	8121.0	7189.9	4746.7	5056.1	7008.7
57.5°	7147.1	7468.2	7952.0	6040.2	6301.5	8592.0	9523.9	8454.3	5798.6	6769.1	8158.4
60°	6811.9	7175.6	8052.5	7181.8	7301.9	9653.5	10681.7	9517.1	6831.6	7958.2	8093.2
62.5°	6254.0	6580.4	7360.2	6515.3	7456.6	9887.0	10708.8	9702.4	7242.2	7354.8	7310.7
65°	5592.3	5921.4	6747.4	5687.3	6964.6	9332.5	9918.9	9157.4	6504.4	6644.9	6661.2
67.5°	4713.4	5017.5	5858.3	5056.8	6348.3	8518.7	8706.1	8381.0	5990.0	6214.0	5979.8
70°	3521.7	3795.8	4538.3	4109.4	5351.4	7458.6	7307.3	7355.5	5412.4	5635.0	4995.1
72.5°	2406.6	2612.9	3249.5	3229.1	4097.8	5971.0	5759.9	6216.7	4520.7	4815.9	3808.1
75°	1683.1	1844.0	2348.9	2551.1	3097.5	4425.6	4101.9	4653.0	3530.5	3951.9	2778.5
77.5°	1032.9	1139.5	1483.6	1890.1	1992.6	3028.9	2547.7	3501.3	2479.2	2882.3	1853.5
80°	516.5	568.1	720.8	1188.4	1321.4	1784.9	1406.9	2032.6	1677.7	1784.9	1025.5
82.5°	156.1	172.4	211.1	451.3	684.8	1027.5	831.4	1180.9	916.2	836.8	403.8
85°	41.4	46.8	58.4	133.7	240.3	368.5	281.0	572.1	439.1	308.8	152.0
87.5°	3.4	3.4	2.7	2.7	1.4	0.0	0.0	40.7	82.1	46.8	26.5
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°	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7
2.5°	1295.6	1292.9	1265.1	1244.7	1220.9	1197.9	1174.1	1153.1	1129.3	1105.6	1098.8
5°	1400.1	1381.1	1322.1	1272.5	1223.7	1180.9	1143.6	1104.9	1073.7	1043.1	1031.6
7.5°	1492.4	1459.2	1373.6	1298.3	1230.4	1177.5	1122.5	1066.2	1022.1	978.7	967.8
10°	1575.9	1531.8	1423.9	1328.8	1253.5	1193.1	1128.6	1053.3	989.5	936.6	922.3
12.5°	1637.6	1589.5	1467.3	1358.0	1272.5	1204.6	1140.9	1074.3	1007.2	938.6	923.0
15°	1686.5	1636.3	1503.3	1380.4	1273.2	1185.6	1123.9	1100.8	1079.8	1012.6	984.1
17.5°	1725.9	1672.9	1534.5	1394.0	1254.9	1128.0	1074.3	1108.3	1161.9	1119.8	1066.2
20°	1761.8	1708.2	1558.2	1403.5	1214.2	1048.6	1018.7	1090.6	1171.4	1170.0	1121.9
22.5°	1801.2	1748.9	1592.9	1408.9	1157.1	967.8	985.4	1064.8	1130.7	1150.4	1120.5
25°	1851.4	1805.3	1641.0	1421.1	1092.7	912.1	961.0	1031.6	1086.6	1091.3	1073.7
27.5°	1909.8	1875.2	1713.0	1449.7	1030.2	883.6	932.5	984.8	1035.0	1037.0	1016.0
30°	1973.6	1950.5	1779.5	1473.4	983.4	874.8	895.9	937.9	969.8	975.3	956.9
32.5°	2055.0	2034.7	1838.5	1457.8	955.6	872.8	861.9	883.6	910.1	910.1	895.9
35°	2167.0	2138.5	1901.0	1398.1	921.6	864.6	825.9	832.1	843.6	845.6	837.5
37.5°	2325.8	2279.0	1964.1	1280.0	866.0	835.5	784.5	777.1	781.2	786.6	784.5
40°	2522.6	2445.9	2056.4	1138.1	799.5	779.1	741.8	727.5	724.1	735.0	739.1
42.5°	2770.4	2652.9	2155.5	1005.8	739.1	714.6	691.6	679.4	673.9	692.2	703.1
45°	3166.0	2972.6	2250.5	874.8	705.1	659.7	644.1	635.2	638.0	659.7	673.2
47.5°	3849.5	3460.6	2340.8	792.0	702.4	620.3	601.3	603.3	610.8	633.9	650.2
50°	4714.1	4114.1	2401.2	757.4	710.6	596.6	571.4	582.3	593.8	616.2	635.2
52.5°	5594.3	4722.9	2329.2	738.4	709.9	597.2	543.6	576.2	581.6	604.0	624.4
55°	6199.7	4790.8	2012.3	709.2	699.0	624.4	521.9	573.5	576.9	597.2	615.6
57.5°	6430.5	4558.7	1534.5	717.4	666.5	645.4	512.4	554.5	578.9	596.6	615.6
60°	6151.5	4120.9	932.5	738.4	614.2	644.1	518.5	519.9	561.9	591.8	610.8
62.5°	5625.5	3559.0	654.9	678.7	576.2	608.1	532.8	479.1	532.1	568.1	585.0
65°	5022.9	2897.9	499.5	584.3	557.9	552.4	537.5	443.2	491.4	526.7	541.6
67.5°	4395.1	2252.5	405.8	435.7	504.3	499.5	491.4	411.3	443.2	468.3	485.3
70°	3604.4	1575.9	342.7	327.1	432.3	447.9	429.6	371.2	381.4	407.2	420.8
72.5°	2636.7	982.0	281.7	270.1	347.5	391.6	382.1	327.1	331.9	356.3	367.2
75°	1896.2	561.9	226.0	222.6	265.4	335.3	316.3	281.7	287.1	305.4	312.9
77.5°	1205.3	312.9	174.4	179.2	190.0	250.4	270.1	240.9	240.9	251.8	257.9
80°	645.4	179.2	127.6	129.6	133.0	191.4	213.1	186.6	186.6	179.2	186.6
82.5°	263.3	103.2	87.5	81.4	88.9	131.0	149.3	118.8	124.2	112.0	114.7
85°	86.9	51.6	43.4	42.8	42.1	57.7	71.9	59.0	70.6	44.8	46.8
87.5°	11.5	9.5	5.4	4.1	4.8	2.0	4.1	4.8	4.8	3.4	3.4
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°	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7
2.5°	1094.0	1088.6	1068.9	1073.7	1070.3	1064.8	1070.3	1060.1	1068.2	1071.0	1087.9
5°	1022.8	1009.9	990.9	981.4	979.3	973.9	974.6	969.8	971.2	982.7	1001.7
7.5°	959.0	946.8	931.8	925.0	918.9	912.8	912.1	911.5	916.9	927.1	945.4
10°	912.8	906.0	899.9	902.6	899.9	897.2	892.5	892.5	901.3	919.6	942.0
12.5°	912.8	911.5	912.8	921.0	920.3	921.0	914.9	918.2	942.7	973.9	1005.8
15°	961.7	950.8	950.8	954.9	953.5	953.5	953.5	967.8	1023.4	1071.6	1105.6
17.5°	1021.4	989.5	975.9	973.9	973.2	973.2	975.9	1006.5	1093.3	1144.2	1163.9
20°	1062.8	1002.4	980.0	971.2	971.9	973.2	981.4	1023.4	1119.1	1144.9	1140.2
22.5°	1070.3	992.2	965.1	952.2	954.2	955.6	967.8	1012.6	1083.8	1087.9	1078.4
25°	1035.7	963.7	934.5	924.4	927.1	926.4	937.3	969.8	1020.7	1019.4	1013.9
27.5°	984.1	918.2	896.5	889.7	894.5	889.1	892.5	917.6	956.9	955.6	953.5
30°	931.1	874.1	854.5	851.1	857.2	849.0	849.7	870.7	897.9	896.5	895.9
32.5°	878.2	830.0	812.4	812.4	818.5	809.7	811.0	829.3	847.7	842.2	842.2
35°	828.0	794.1	779.8	777.1	781.8	775.7	778.4	795.4	802.2	794.7	790.0
37.5°	783.9	768.9	754.7	745.2	745.9	746.5	754.7	767.6	763.5	752.7	746.5
40°	743.2	743.2	729.6	711.9	709.9	714.6	728.2	742.5	730.9	718.7	711.3
42.5°	714.0	720.1	707.2	689.5	685.5	693.6	708.5	718.7	705.1	691.6	681.4
45°	686.8	701.8	692.9	673.2	667.8	677.3	696.3	700.4	682.1	669.2	661.7
47.5°	667.8	688.2	682.1	663.1	654.9	668.5	688.2	687.5	664.4	650.9	644.7
50°	654.2	680.0	679.4	663.1	654.2	671.2	688.9	680.0	654.9	640.7	634.6
52.5°	643.4	679.4	684.1	674.6	668.5	683.4	694.3	677.3	648.1	633.2	628.5
55°	638.6	682.1	685.5	676.6	671.2	684.8	694.3	682.7	648.1	634.6	630.5
57.5°	640.0	678.7	679.4	667.1	657.6	674.6	689.5	686.1	655.6	640.0	635.2
60°	631.8	660.4	661.7	642.7	631.8	652.2	678.7	676.6	652.2	635.9	627.1
62.5°	604.7	629.8	630.5	612.8	597.2	626.4	655.6	654.9	632.5	616.2	606.1
65°	559.2	585.7	592.5	575.5	563.3	594.5	625.1	623.7	601.3	586.4	576.2
67.5°	502.9	531.4	544.3	532.8	528.0	556.5	585.0	584.3	566.0	551.8	542.9
70°	434.4	458.1	479.8	479.8	476.4	509.0	539.5	536.8	519.9	509.0	502.2
72.5°	377.3	395.7	402.5	409.2	419.4	453.4	479.1	481.2	469.0	463.5	469.0
75°	321.0	332.6	338.7	333.2	350.9	386.2	420.1	423.5	410.6	401.8	403.8
77.5°	264.0	276.9	283.0	270.8	269.4	314.2	355.6	363.1	352.2	338.7	342.7
80°	190.7	207.7	217.9	209.7	207.0	226.7	283.7	291.8	281.7	270.8	276.9
82.5°	116.7	126.2	128.9	137.1	154.1	162.2	182.6	209.7	202.2	192.7	209.7
85°	46.1	55.0	61.1	69.2	80.8	95.7	112.7	134.4	122.2	118.1	139.1
87.5°	2.7	0.7	0.0	1.4	11.5	22.4	48.2	66.5	55.7	59.7	71.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7	1189.7
2.5°	1101.5	1119.1	1142.9	1162.6	1187.7	1211.4	1235.9	1260.3	1273.2	1278.6
5°	1023.4	1056.0	1094.0	1136.1	1185.0	1236.5	1288.8	1342.4	1376.4	1379.1
7.5°	976.6	1023.4	1075.7	1128.6	1189.0	1260.3	1343.1	1425.9	1460.5	1470.0
10°	991.5	1043.8	1085.2	1134.7	1201.3	1290.2	1387.9	1484.9	1525.0	1536.5
12.5°	1051.3	1061.4	1074.3	1119.8	1201.3	1316.0	1434.0	1549.4	1592.2	1603.0
15°	1100.8	1051.9	1028.9	1077.1	1185.0	1338.3	1482.9	1610.5	1662.1	1672.3
17.5°	1104.9	1020.7	970.5	1013.9	1156.5	1354.0	1529.7	1678.4	1721.8	1731.3
20°	1063.5	987.5	922.3	948.8	1117.8	1360.7	1563.7	1727.9	1770.7	1780.2
22.5°	1016.7	960.3	889.7	888.4	1071.0	1368.2	1604.4	1774.7	1820.9	1827.0
25°	972.5	923.0	863.3	844.3	1016.7	1382.5	1659.4	1845.3	1880.6	1882.6
27.5°	921.0	883.0	842.2	823.9	969.1	1409.6	1740.8	1929.5	1950.5	1947.1
30°	874.1	845.6	827.3	821.9	939.3	1430.0	1818.2	2012.3	2013.6	2002.1
32.5°	824.6	813.7	813.7	831.4	914.9	1425.2	1881.3	2093.0	2080.1	2063.2
35°	780.5	782.5	796.8	838.2	874.1	1377.7	1941.7	2194.2	2175.2	2150.7
37.5°	738.4	754.0	774.4	814.4	820.5	1307.1	2012.3	2337.4	2313.6	2283.1
40°	702.4	726.2	749.9	769.6	763.5	1206.7	2110.7	2505.7	2479.2	2443.9
42.5°	673.9	697.0	723.5	725.5	727.5	1102.2	2215.2	2712.0	2707.2	2668.6
45°	655.6	670.5	695.6	692.2	725.5	986.8	2311.6	3026.9	3089.3	3060.2
47.5°	643.4	654.9	657.6	671.9	743.2	883.6	2435.8	3643.1	3816.9	3783.6
50°	636.6	648.1	617.6	673.2	745.9	817.1	2607.5	4416.8	4696.4	4652.3
52.5°	635.9	633.2	587.1	687.5	730.9	776.4	2697.1	4981.5	5601.8	5697.5
55°	637.3	603.3	571.4	691.6	701.1	761.5	2397.1	5253.0	6437.2	6639.5
57.5°	625.1	570.8	580.3	675.3	644.7	801.5	1772.0	5155.9	6771.2	7147.1
60°	602.0	539.5	596.6	631.2	587.1	733.0	1220.3	4722.9	6425.0	6811.9
62.5°	568.7	517.8	594.5	574.2	566.0	599.9	838.8	4116.8	5876.0	6254.0
65°	531.4	500.2	562.6	519.2	523.9	461.5	593.2	3432.7	5220.4	5592.3
67.5°	491.4	489.3	515.8	462.2	442.5	365.8	432.3	2751.4	4378.1	4713.4
70°	445.9	460.8	469.0	410.6	359.0	287.1	321.0	1924.0	3229.8	3521.7
72.5°	400.4	401.8	413.3	357.0	268.8	230.1	240.9	1165.3	2194.2	2406.6
75°	354.3	341.4	352.2	290.5	200.2	188.7	186.0	720.1	1515.5	1683.1
77.5°	304.7	290.5	276.2	218.5	160.8	145.9	142.5	403.8	929.8	1032.9
80°	247.7	228.7	206.3	160.2	117.4	104.5	103.8	196.8	463.5	516.5
82.5°	192.7	156.8	150.7	99.8	72.6	63.8	67.9	75.3	139.8	156.1
85°	135.1	114.0	80.1	40.0	32.6	26.5	25.8	22.4	37.3	41.4
87.5°	75.3	49.5	25.8	4.8	5.4	6.1	4.8	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)