

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: P634852

Luminaire Tested: GWS-SA3C-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634852
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-SA3C-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13373.6 lumens
Efficiency: N/A
Efficacy: 143.8 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

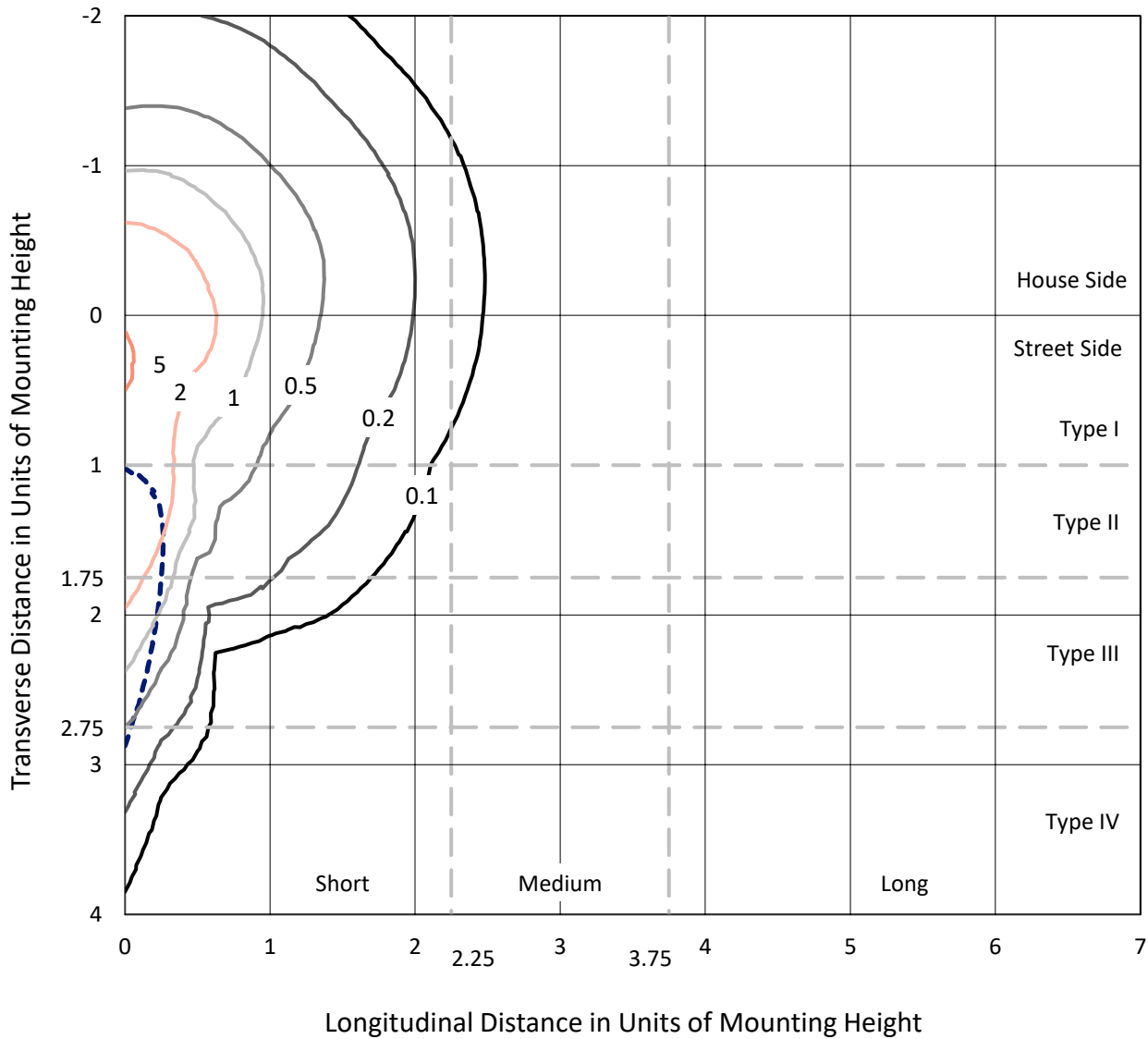
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

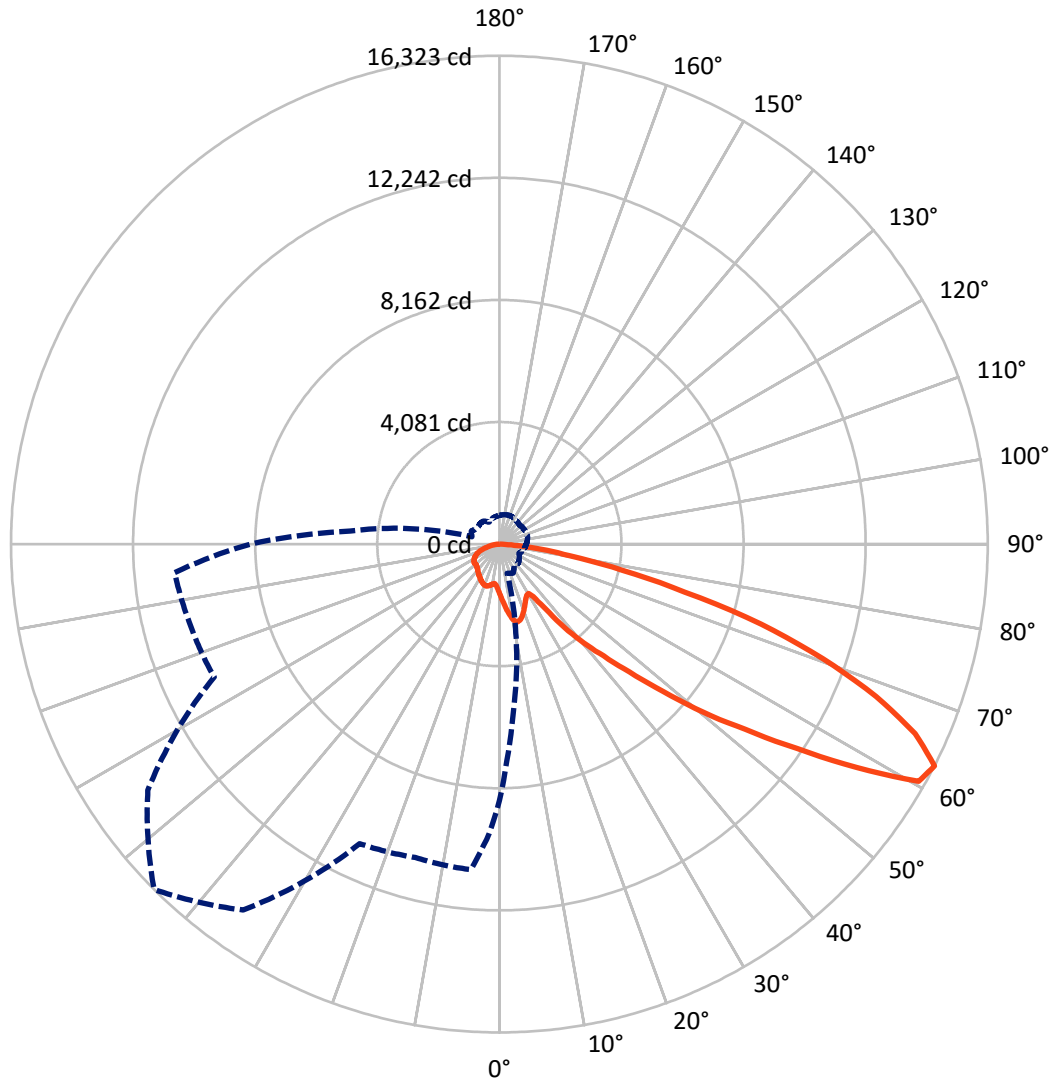
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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
House Side	Lumens	3197.6	0.0	3197.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	10176.0	0.0	10176.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	13373.6	0.0	13373.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.3	1.2
10°-20°	533.9	4.0
20°-30°	840.4	6.3
30°-40°	1152.0	8.6
40°-50°	1797.4	13.4
50°-60°	3099.1	23.2
60°-70°	3591.4	26.9
70°-80°	1895.7	14.2
80°-90°	299.5	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°	13373.6	100.0
0°-180°	13373.6	100.0

Coefficient of Utilization



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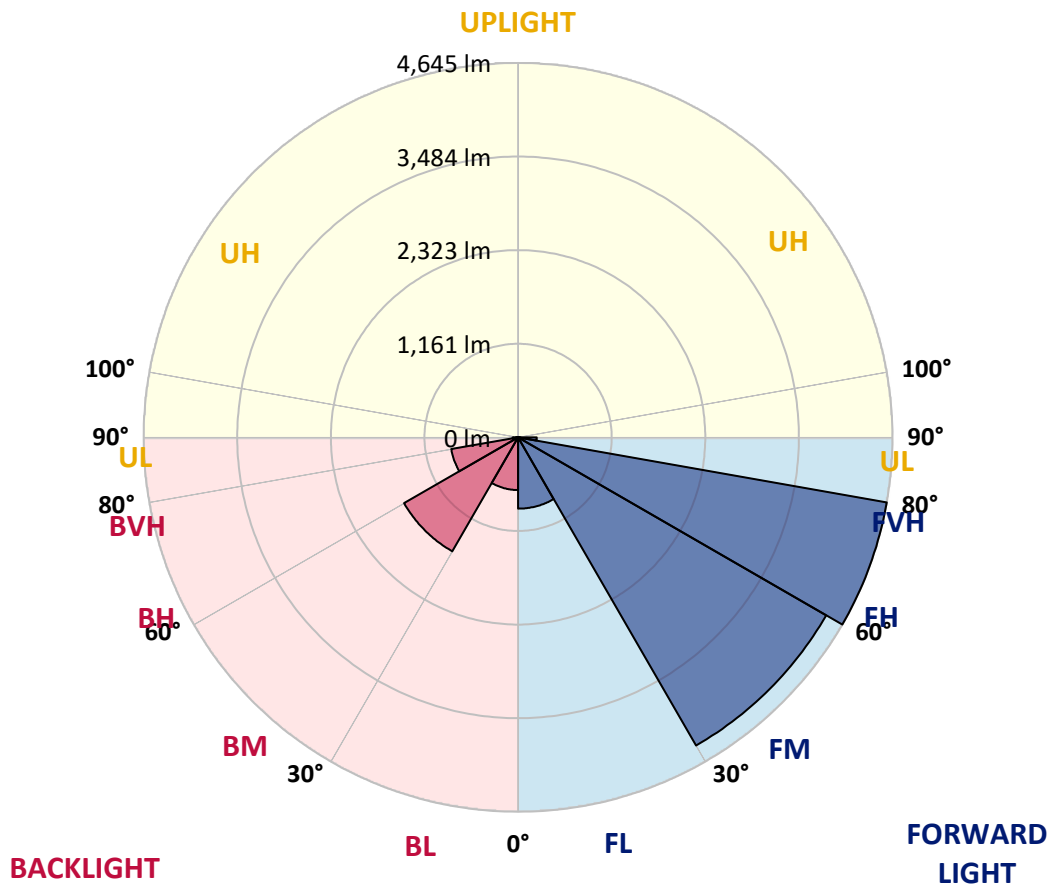
CATALOG NUMBER: GWS-SA3C-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.5	6.6			
FM (30°-60°)	4415.1	33.0			
FH (60°-80°)	4645.2	34.7			G2/5000
FVH (80°-90°)	231.1	1.7			G3/500
BL (0°-30°)	654.0	4.9	B2/1000		
BM (30°-60°)	1633.3	12.2	B2/2500		
BH (60°-80°)	841.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	68.3	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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1811.6	1804.5	1794.3	1759.5	1738.0	1713.4	1687.9	1658.2	1624.4	1600.9	1577.4
5°	1965.1	1953.8	1929.3	1846.4	1789.1	1726.7	1674.6	1615.2	1556.9	1517.0	1477.1
7.5°	2112.4	2098.1	2060.2	1933.4	1840.3	1750.3	1671.5	1585.6	1498.6	1439.3	1392.2
10°	2259.7	2230.0	2182.0	2016.2	1893.5	1789.1	1699.1	1593.8	1478.2	1397.4	1347.2
12.5°	2372.2	2344.6	2292.4	2091.9	1946.7	1815.7	1714.5	1617.3	1519.1	1433.2	1382.0
15°	2477.6	2441.8	2382.5	2162.5	1990.7	1814.7	1683.8	1598.9	1584.6	1563.1	1496.6
17.5°	2553.3	2520.6	2459.2	2219.8	2015.2	1783.0	1598.9	1548.7	1613.2	1678.7	1615.2
20°	2619.8	2581.9	2519.5	2259.7	2020.3	1712.4	1495.6	1496.6	1597.9	1687.9	1672.5
22.5°	2676.0	2634.1	2578.9	2304.7	2018.3	1614.2	1405.5	1466.9	1568.2	1638.8	1640.8
25°	2745.6	2710.8	2664.8	2371.2	2018.3	1514.0	1340.1	1431.1	1518.1	1577.4	1575.3
27.5°	2830.5	2807.0	2769.1	2472.5	2036.7	1430.1	1303.2	1385.1	1453.6	1504.8	1503.7
30°	2925.6	2904.2	2875.5	2579.9	2068.4	1367.7	1282.8	1327.8	1377.9	1418.8	1418.8
32.5°	3022.8	3014.6	2983.9	2665.8	2043.9	1348.3	1265.4	1270.5	1297.1	1330.9	1327.8
35°	3157.9	3149.7	3110.8	2732.3	1937.5	1320.6	1237.8	1212.2	1215.3	1236.7	1243.9
37.5°	3355.3	3343.0	3285.7	2810.0	1776.9	1251.1	1192.8	1150.8	1141.6	1150.8	1164.1
40°	3593.6	3575.2	3497.5	2915.4	1591.7	1157.0	1122.2	1087.4	1072.1	1075.1	1090.5
42.5°	3892.3	3853.5	3742.0	3026.9	1408.6	1074.1	1043.4	1021.9	1004.5	1002.5	1032.2
45°	4377.2	4270.8	4093.9	3126.1	1254.1	1030.1	972.8	957.5	943.2	951.3	986.1
47.5°	5224.2	5027.8	4683.1	3211.0	1160.0	1031.1	916.6	900.2	899.2	915.5	954.4
50°	6388.3	6105.0	5573.0	3268.3	1110.9	1043.4	882.8	856.2	875.6	892.0	928.8
52.5°	7503.3	7070.6	6437.4	3267.3	1089.4	1045.5	892.0	815.3	875.6	879.7	914.5
55°	8455.7	7672.1	6670.7	2931.8	1058.8	1037.3	927.8	783.6	864.4	879.7	907.4
57.5°	9212.7	8054.7	6653.3	2368.1	1151.8	992.3	949.3	776.4	831.7	881.8	913.5
60°	9128.8	7879.8	6224.7	1453.6	1142.6	912.5	946.2	789.7	776.4	854.2	906.3
62.5°	8571.3	7252.7	5487.1	1008.6	1073.1	866.4	896.1	813.2	725.3	814.3	871.6
65°	7790.8	6443.6	4572.6	773.4	888.9	868.5	811.2	796.9	680.3	750.8	812.2
67.5°	6758.6	5440.1	3610.0	612.7	619.9	751.9	736.5	707.9	638.3	694.6	749.8
70°	5081.0	3970.1	2483.7	493.1	469.5	628.1	661.8	636.3	597.4	613.8	672.1
72.5°	3580.3	2592.2	1360.5	390.8	362.1	482.8	574.9	570.8	527.8	540.1	597.4
75°	2660.7	1834.2	850.1	308.9	294.6	345.8	481.8	494.1	458.3	472.6	516.6
77.5°	1770.7	1187.6	472.6	229.1	229.1	252.7	359.1	416.3	389.7	401.0	431.7
80°	976.9	604.6	236.3	150.4	154.5	173.9	261.9	299.7	300.7	328.4	336.6
82.5°	308.9	192.3	105.4	88.0	82.9	99.2	168.8	214.8	200.5	255.7	235.3
85°	70.6	45.0	19.4	19.4	21.5	32.7	64.4	114.6	146.3	175.9	127.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	45.0	66.5	59.3
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°	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1563.1	1542.6	1536.5	1519.1	1517.0	1500.7	1494.5	1494.5	1501.7	1501.7	1508.9
5°	1460.8	1435.2	1420.9	1400.4	1395.3	1383.0	1374.8	1375.9	1385.1	1391.2	1403.5
7.5°	1370.8	1353.4	1343.1	1333.9	1331.9	1329.8	1320.6	1319.6	1322.7	1331.9	1341.1
10°	1332.9	1320.6	1323.7	1330.9	1342.1	1348.3	1340.1	1336.0	1332.9	1339.0	1347.2
12.5°	1369.7	1357.5	1363.6	1375.9	1391.2	1397.4	1394.3	1393.3	1396.3	1419.9	1437.2
15°	1450.5	1427.0	1418.8	1423.9	1436.2	1442.4	1439.3	1443.4	1462.8	1524.2	1568.2
17.5°	1550.8	1493.5	1460.8	1451.6	1456.7	1461.8	1461.8	1472.0	1505.8	1595.8	1651.0
20°	1605.0	1530.3	1475.1	1452.6	1454.6	1459.8	1459.8	1474.1	1511.9	1608.1	1643.9
22.5°	1590.7	1522.2	1454.6	1430.1	1431.1	1435.2	1435.2	1447.5	1481.2	1566.1	1582.5
25°	1534.4	1474.1	1407.6	1386.1	1388.1	1395.3	1393.3	1400.4	1426.0	1495.6	1504.8
27.5°	1466.9	1413.7	1348.3	1331.9	1341.1	1355.4	1343.1	1344.2	1367.7	1426.0	1427.0
30°	1394.3	1350.3	1292.0	1279.7	1297.1	1304.3	1293.0	1293.0	1316.5	1356.4	1355.4
32.5°	1315.5	1287.9	1246.0	1232.7	1252.1	1263.3	1249.0	1251.1	1269.5	1296.1	1285.9
35°	1241.9	1227.5	1208.1	1198.9	1211.2	1221.4	1212.2	1216.3	1233.7	1240.8	1226.5
37.5°	1171.3	1169.2	1171.3	1171.3	1174.3	1177.4	1171.3	1181.5	1196.9	1187.6	1171.3
40°	1109.9	1118.1	1137.5	1132.4	1129.3	1132.4	1128.3	1145.7	1161.0	1144.7	1125.2
42.5°	1058.8	1074.1	1103.8	1103.8	1097.6	1099.7	1097.6	1119.1	1130.4	1107.9	1086.4
45°	1014.8	1037.3	1075.1	1080.2	1070.0	1070.0	1074.1	1100.7	1104.8	1074.1	1051.6
47.5°	984.1	1011.7	1054.7	1063.9	1048.5	1047.5	1058.8	1087.4	1087.4	1051.6	1026.0
50°	962.6	993.3	1044.4	1056.7	1041.4	1037.3	1055.7	1083.3	1077.2	1034.2	1008.6
52.5°	948.3	980.0	1043.4	1060.8	1050.6	1046.5	1064.9	1084.3	1069.0	1023.0	996.4
55°	939.1	973.8	1046.5	1060.8	1049.5	1042.4	1060.8	1078.2	1070.0	1016.8	991.2
57.5°	944.2	979.0	1042.4	1049.5	1036.2	1024.0	1045.5	1070.0	1066.9	1018.9	993.3
60°	936.0	967.7	1019.9	1021.9	999.4	980.0	1011.7	1048.5	1048.5	1011.7	989.2
62.5°	898.2	929.9	975.9	977.9	952.4	930.9	967.7	1011.7	1010.7	981.0	957.5
65°	835.8	865.4	917.6	922.7	897.1	874.6	912.5	953.4	956.5	929.9	909.4
67.5°	767.2	793.8	832.7	853.1	831.7	808.1	842.9	881.8	880.8	849.0	827.6
70°	685.4	709.9	745.7	763.1	749.8	727.3	759.0	779.5	770.3	754.9	740.6
72.5°	604.6	628.1	661.8	661.8	647.5	626.0	635.3	672.1	683.3	672.1	662.9
75°	519.7	540.1	563.6	568.8	537.0	498.2	541.1	572.9	586.2	581.0	569.8
77.5°	432.7	448.1	482.8	473.6	414.3	393.8	428.6	475.7	484.9	481.8	466.5
80°	333.5	342.7	379.5	361.1	315.1	301.8	317.1	353.9	356.0	345.8	326.3
82.5°	224.0	236.3	260.9	225.0	224.0	211.8	199.5	203.6	222.0	219.9	206.6
85°	114.6	120.7	144.2	135.0	115.6	100.2	95.1	101.3	91.0	82.9	71.6
87.5°	48.1	52.2	71.6	39.9	12.3	0.0	0.0	6.1	9.2	13.3	14.3
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°	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1525.2	1536.5	1564.1	1598.9	1632.6	1667.4	1705.3	1728.8	1757.4	1794.3	1795.3
5°	1418.8	1444.4	1484.3	1537.5	1592.7	1656.2	1729.8	1791.2	1864.8	1923.1	1946.7
7.5°	1353.4	1390.2	1440.3	1507.8	1580.5	1659.2	1755.4	1858.7	1979.4	2057.2	2103.2
10°	1359.5	1415.8	1465.9	1523.2	1588.6	1673.5	1797.3	1934.4	2082.7	2185.0	2242.3
12.5°	1469.0	1528.3	1519.1	1516.0	1560.0	1663.3	1831.1	2011.1	2192.2	2294.5	2363.0
15°	1607.1	1629.6	1542.6	1477.1	1503.7	1626.5	1849.5	2079.7	2283.2	2408.0	2475.5
17.5°	1677.6	1632.6	1527.3	1429.1	1421.9	1570.2	1858.7	2149.2	2385.5	2510.3	2581.9
20°	1644.9	1579.4	1490.4	1397.4	1346.2	1493.5	1853.6	2204.5	2478.6	2617.7	2676.0
22.5°	1574.3	1517.0	1447.5	1358.5	1284.8	1409.6	1840.3	2259.7	2561.5	2701.6	2752.8
25°	1497.6	1454.6	1397.4	1319.6	1250.0	1336.0	1831.1	2333.4	2656.6	2790.6	2823.3
27.5°	1420.9	1389.2	1342.1	1281.8	1241.9	1284.8	1834.2	2429.5	2779.4	2906.2	2892.9
30°	1345.2	1317.6	1284.8	1258.2	1240.8	1272.6	1826.0	2531.8	2914.4	3032.0	2953.3
32.5°	1273.6	1248.0	1227.5	1231.6	1241.9	1277.7	1784.0	2624.9	3038.2	3138.4	3018.7
35°	1212.2	1185.6	1185.6	1199.9	1237.8	1260.3	1675.6	2697.5	3175.2	3275.5	3111.8
37.5°	1154.9	1131.4	1146.7	1170.3	1206.1	1213.2	1536.5	2768.1	3374.7	3468.8	3256.1
40°	1104.8	1081.3	1108.9	1138.5	1157.0	1153.9	1395.3	2866.3	3610.0	3707.2	3447.3
42.5°	1064.9	1043.4	1068.0	1105.8	1108.9	1111.9	1292.0	2960.4	3883.1	4006.9	3776.7
45°	1032.2	1016.8	1029.1	1066.9	1066.9	1114.0	1227.5	3039.2	4294.4	4513.3	4381.3
47.5°	1006.6	997.4	1003.5	1015.8	1036.2	1150.8	1186.6	3099.5	5043.2	5472.8	5339.8
50°	992.3	983.1	991.2	965.7	1027.0	1169.2	1173.3	3145.6	6030.3	6703.4	6538.7
52.5°	980.0	976.9	982.0	922.7	1047.5	1157.0	1163.1	3084.2	6692.1	7914.6	8077.2
55°	975.9	977.9	953.4	891.0	1072.1	1116.0	1132.4	2645.4	6872.2	8959.0	9968.7
57.5°	977.9	971.8	909.4	894.1	1073.1	1034.2	1176.4	1887.3	6610.3	9413.2	11819.2
60°	970.8	940.1	856.2	921.7	1026.0	938.0	1144.7	1230.6	5919.8	9064.4	11926.6
62.5°	939.1	894.1	810.2	937.0	942.1	880.8	1039.3	948.3	4999.2	8317.6	10891.4
65°	893.0	832.7	771.3	905.3	857.2	854.2	781.5	760.1	4020.2	7428.7	9909.3
67.5°	817.3	757.0	742.7	832.7	771.3	757.0	628.1	630.1	3208.0	6481.4	8922.2
70°	731.4	671.1	682.3	752.9	686.4	629.1	508.4	524.8	2433.6	5400.2	7591.3
72.5°	675.1	594.3	595.4	662.9	603.5	509.4	418.4	432.7	1544.7	4070.3	6035.4
75°	569.8	523.8	501.2	537.0	512.5	396.9	351.9	348.8	915.5	2917.5	4519.4
77.5°	475.7	439.9	428.6	442.9	382.6	293.6	283.4	278.2	518.6	1868.9	2961.4
80°	344.7	335.5	334.5	341.7	294.6	215.8	215.8	216.9	279.3	1014.8	1669.5
82.5°	218.9	239.4	211.8	235.3	200.5	153.4	143.2	162.6	160.6	432.7	703.8
85°	91.0	124.8	116.6	123.8	95.1	83.9	90.0	97.2	93.1	166.7	274.2
87.5°	17.4	20.5	22.5	21.5	21.5	26.6	29.7	35.8	35.8	48.1	82.9
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°	358°	360°
0°	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1834.2	1863.8	1857.7	1871.0	1853.6	1859.7	1824.9	1815.7	1809.6	1811.6
5°	2022.4	2082.7	2094.0	2116.5	2101.1	2101.1	2039.8	1993.7	1977.4	1965.1
7.5°	2213.7	2300.6	2357.9	2364.0	2355.9	2339.5	2250.5	2167.6	2138.0	2112.4
10°	2383.5	2487.8	2552.3	2583.0	2567.6	2542.0	2431.6	2318.0	2282.2	2259.7
12.5°	2513.4	2605.5	2648.4	2668.9	2666.8	2657.6	2567.6	2444.9	2407.0	2372.2
15°	2597.3	2643.3	2626.9	2625.9	2640.2	2677.1	2649.4	2553.3	2509.3	2477.6
17.5°	2651.5	2607.5	2534.9	2501.1	2531.8	2618.8	2682.2	2628.0	2588.1	2553.3
20°	2670.9	2514.4	2409.1	2346.7	2382.5	2508.3	2664.8	2682.2	2648.4	2619.8
22.5°	2648.4	2400.9	2257.7	2184.0	2218.8	2369.2	2613.6	2726.2	2703.7	2676.0
25°	2593.2	2282.2	2110.3	2043.9	2081.7	2235.1	2522.6	2767.1	2768.1	2745.6
27.5°	2524.6	2172.7	2007.0	1944.6	1981.5	2124.7	2433.6	2802.9	2838.7	2830.5
30°	2455.1	2107.3	1957.9	1913.9	1941.6	2068.4	2342.6	2839.7	2911.3	2925.6
32.5°	2423.4	2139.0	2073.5	2093.0	2057.2	2101.1	2309.8	2891.9	2999.3	3022.8
35°	2465.3	2420.3	2586.0	2662.7	2535.9	2369.2	2351.8	2970.7	3123.1	3157.9
37.5°	2668.9	3022.8	3270.4	3540.4	3320.5	2953.3	2559.4	3104.7	3300.0	3355.3
40°	3111.8	3548.6	3995.6	4344.5	4012.0	3517.9	2954.3	3304.1	3543.5	3593.6
42.5°	3529.2	4041.7	4657.5	5108.6	4676.9	3979.3	3379.8	3639.7	3864.7	3892.3
45°	3938.4	4525.5	5458.5	6085.5	5499.4	4418.1	3814.6	4206.4	4376.2	4377.2
47.5°	4418.1	5070.8	6463.0	7356.0	6590.9	4904.0	4222.7	5103.5	5339.8	5224.2
50°	4992.0	5612.9	7497.2	8834.2	7921.7	5501.4	4741.4	6197.0	6519.3	6388.3
52.5°	5760.2	6210.3	8636.8	10275.5	9372.3	6181.7	5493.2	7641.4	7747.8	7503.3
55°	6841.5	7072.7	10099.6	12055.5	10991.6	7019.5	6592.9	9454.1	9156.4	8455.7
57.5°	9303.7	8437.3	11977.7	14086.0	12823.7	8541.6	9003.0	11453.0	10394.2	9212.7
60°	11364.0	10094.5	13715.7	16101.3	14394.0	10219.3	11265.8	11800.8	10348.2	9128.8
62.5°	10669.4	10517.0	14342.8	16323.2	14930.0	11044.8	10845.3	10924.1	9673.0	8571.3
65°	9361.0	9701.7	13783.2	15270.6	14335.6	10305.2	9810.1	10113.9	8900.7	7790.8
67.5°	8588.7	8839.3	12787.9	13585.8	13255.4	9505.3	9005.0	8785.1	7701.8	6758.6
70°	7799.0	8006.6	11390.6	11471.4	11570.6	8175.4	7363.2	6708.5	5740.8	5081.0
72.5°	6739.2	6750.5	9623.9	9155.4	9343.6	6397.5	5927.0	5015.5	4178.8	3580.3
75°	5653.9	5344.9	7617.9	6399.6	6777.1	4976.7	4921.4	3779.8	3151.7	2660.7
77.5°	4310.7	3949.6	5564.9	4208.4	4759.8	3314.4	3700.0	2563.5	2217.8	1770.7
80°	2893.9	2668.9	3075.0	2375.3	3113.9	2284.3	2413.1	1452.6	1259.3	976.9
82.5°	1526.2	1303.2	1900.6	1408.6	1878.1	1255.2	905.3	449.1	382.6	308.9
85°	591.3	684.4	931.9	501.2	728.3	448.1	261.9	111.5	93.1	70.6
87.5°	114.6	177.0	97.2	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

(END OF REPORT)