

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: P634801

Luminaire Tested: GWS-SA3C-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634801
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-SA3C-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: 13208.1 lumens
Efficiency: N/A
Efficacy: 142.0 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

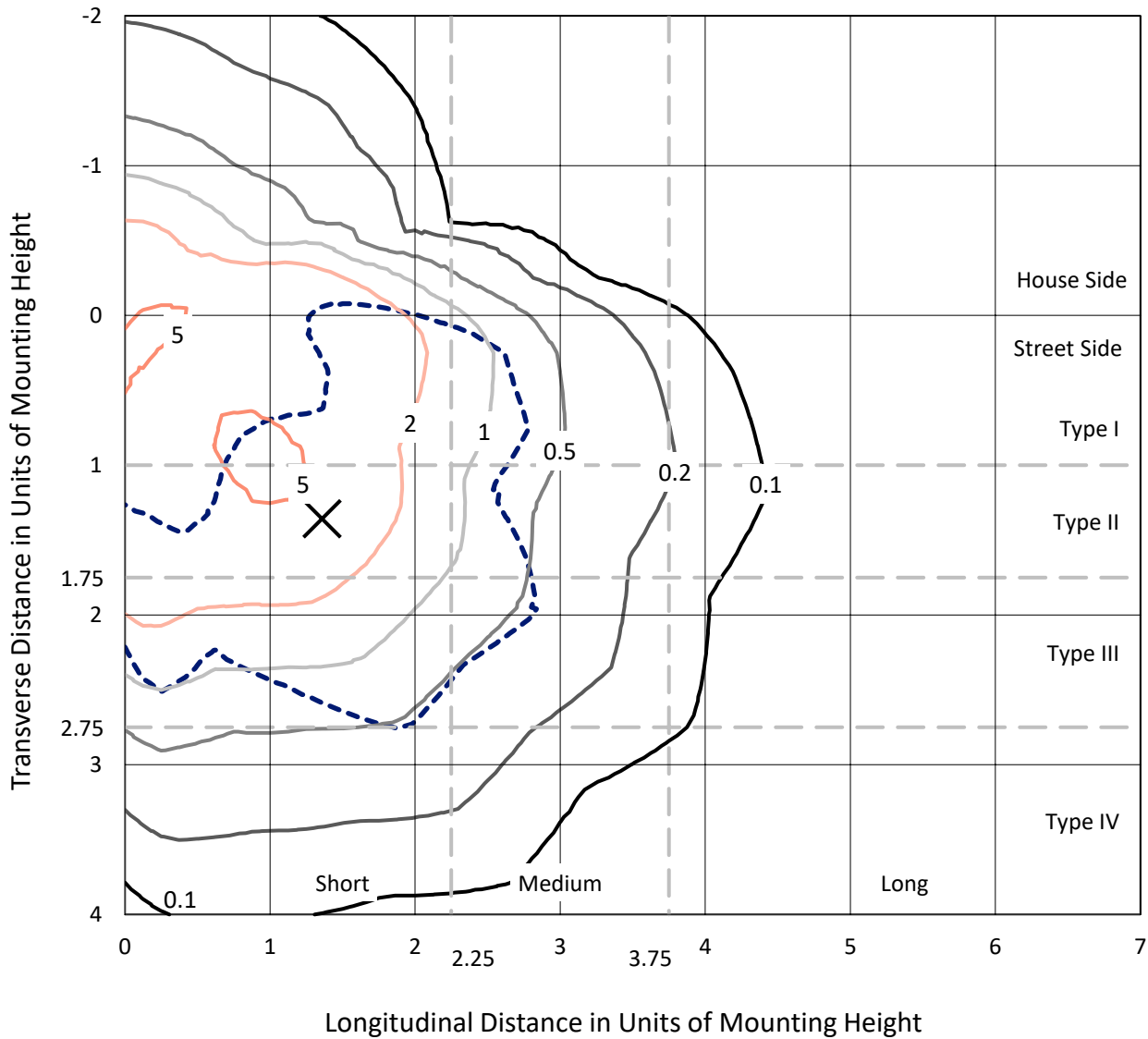
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

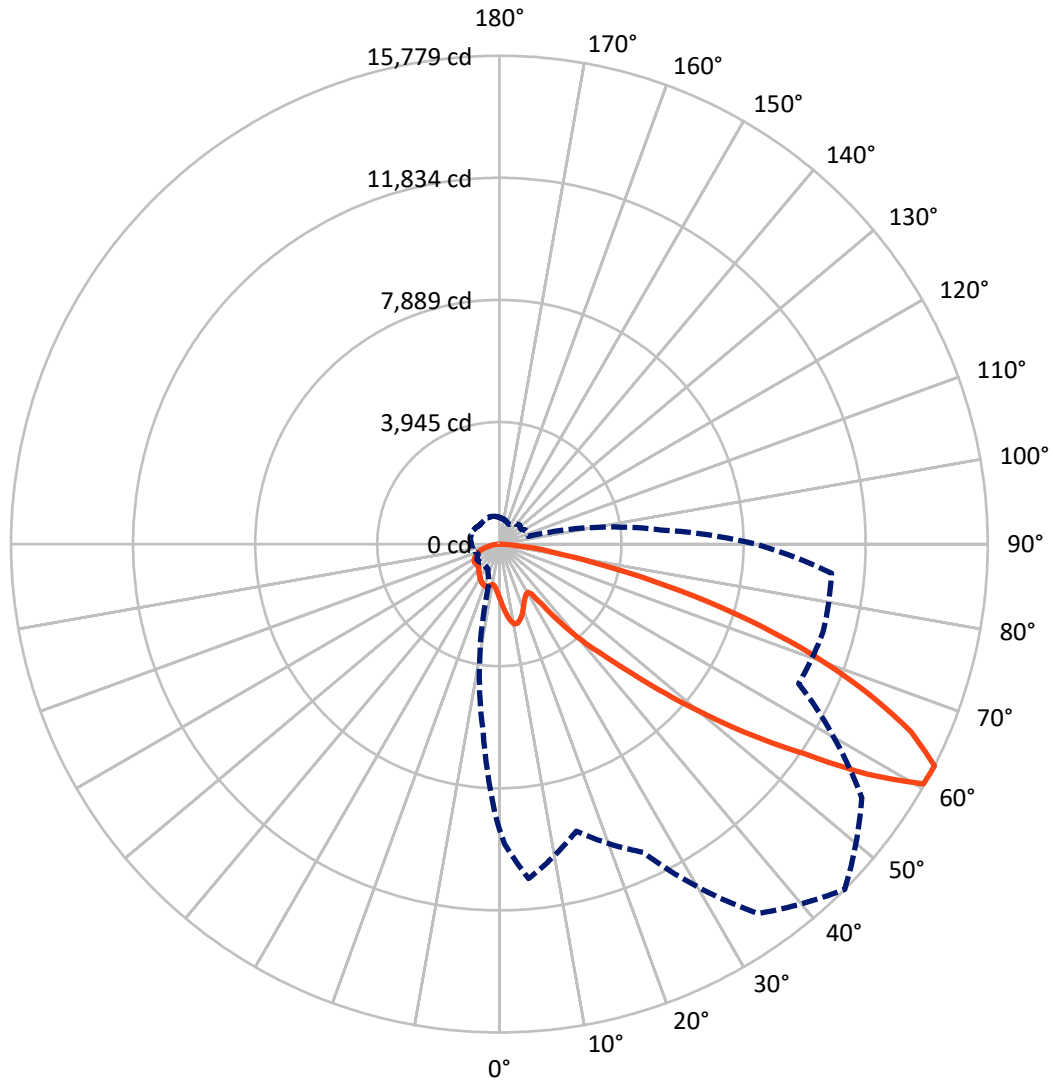
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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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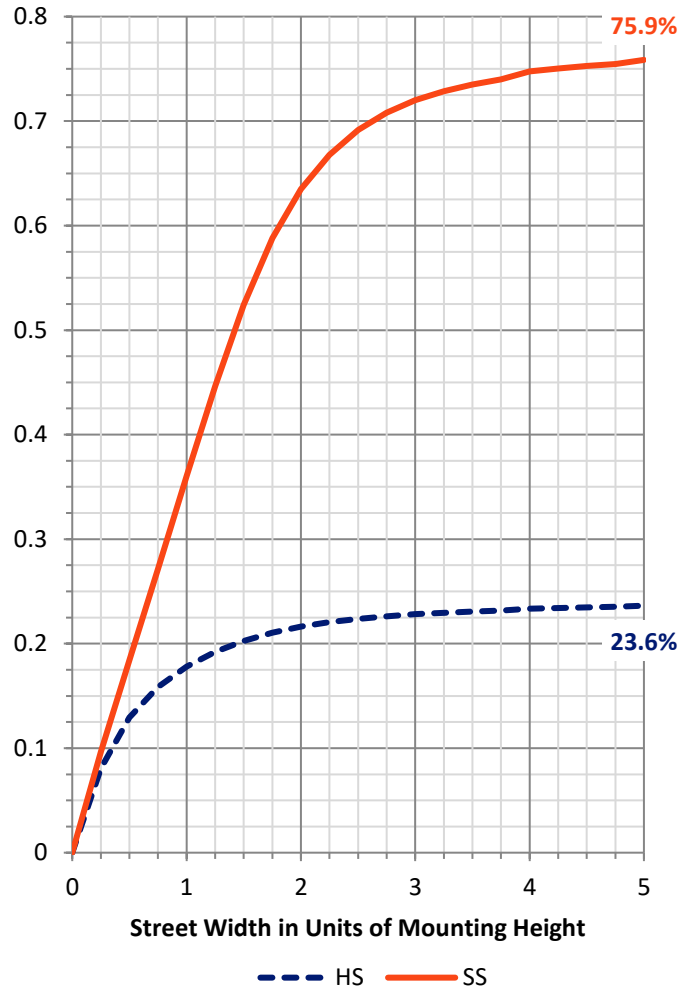
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3151.7	0.0	3151.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	10056.4	0.0	10056.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	13208.1	0.0	13208.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	1.3
10°-20°	536.7	4.1
20°-30°	833.6	6.3
30°-40°	1131.8	8.6
40°-50°	1793.8	13.6
50°-60°	3164.3	24.0
60°-70°	3520.7	26.7
70°-80°	1785.6	13.5
80°-90°	270.4	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°	13208.1	100.0
0°-180°	13208.1	100.0

Coefficient of Utilization



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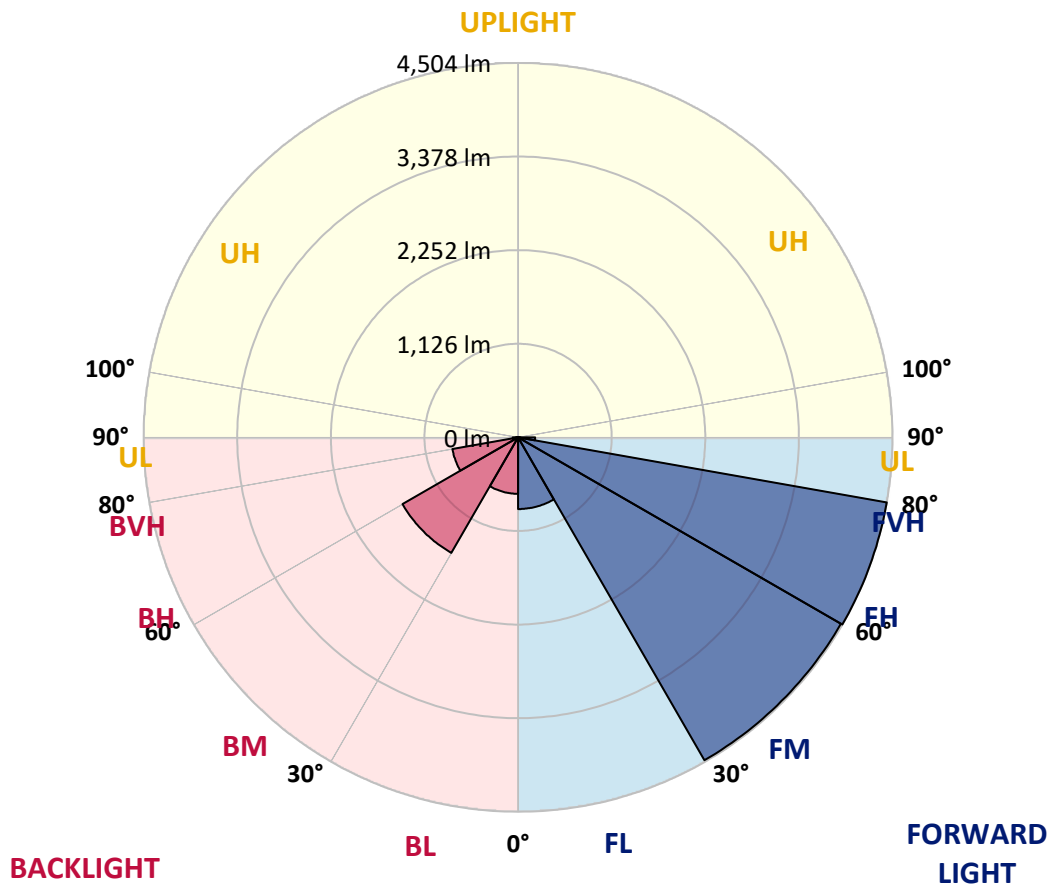
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.4	6.5			
FM (30°-60°)	4484.7	34.0			
FH (60°-80°)	4504.1	34.1			G2/5000
FVH (80°-90°)	205.2	1.6			G2/225
BL (0°-30°)	679.1	5.1	B2/1000		
BM (30°-60°)	1605.2	12.2	B2/2500		
BH (60°-80°)	802.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	65.2	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°	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0
2.5°	1884.0	1883.0	1902.0	1931.0	1958.0	1970.0	1990.0	1988.0	1972.0	1951.0	1944.0
5°	2032.0	2036.0	2069.0	2133.0	2204.0	2234.0	2247.0	2242.0	2213.0	2176.0	2111.0
7.5°	2166.0	2173.0	2224.0	2320.0	2408.0	2448.0	2480.0	2474.0	2432.0	2363.0	2267.0
10°	2264.0	2272.0	2333.0	2446.0	2544.0	2579.0	2620.0	2622.0	2585.0	2492.0	2394.0
12.5°	2362.0	2370.0	2427.0	2530.0	2594.0	2595.0	2619.0	2632.0	2634.0	2591.0	2493.0
15°	2464.0	2471.0	2523.0	2581.0	2578.0	2522.0	2522.0	2547.0	2602.0	2633.0	2565.0
17.5°	2551.0	2560.0	2600.0	2581.0	2492.0	2391.0	2379.0	2411.0	2507.0	2626.0	2619.0
20°	2623.0	2630.0	2652.0	2526.0	2364.0	2232.0	2209.0	2246.0	2376.0	2583.0	2660.0
22.5°	2692.0	2696.0	2684.0	2454.0	2226.0	2075.0	2047.0	2086.0	2226.0	2507.0	2695.0
25°	2774.0	2770.0	2713.0	2379.0	2100.0	1951.0	1922.0	1966.0	2112.0	2406.0	2733.0
27.5°	2869.0	2854.0	2738.0	2298.0	2003.0	1859.0	1839.0	1886.0	2022.0	2313.0	2763.0
30°	2950.0	2921.0	2742.0	2226.0	1953.0	1820.0	1808.0	1852.0	1978.0	2250.0	2801.0
32.5°	3040.0	3000.0	2765.0	2207.0	1981.0	1914.0	1930.0	1933.0	1990.0	2232.0	2858.0
35°	3168.9	3116.9	2828.0	2262.0	2269.0	2382.0	2440.0	2362.0	2171.0	2272.0	2966.0
37.5°	3363.9	3297.9	2956.0	2500.0	2864.0	3116.9	3256.9	3078.9	2721.0	2423.0	3128.9
40°	3600.9	3516.9	3119.9	2940.0	3419.9	3824.9	4073.9	3812.9	3286.9	2800.0	3357.9
42.5°	3931.9	3843.9	3437.9	3371.9	3934.9	4537.9	4862.9	4473.9	3785.9	3286.9	3724.9
45°	4508.9	4423.9	4020.9	3804.9	4537.9	5415.9	5871.9	5330.9	4292.9	3775.9	4410.9
47.5°	5574.9	5474.9	4886.9	4284.9	5225.9	6555.9	7193.9	6405.9	4819.9	4335.9	5562.9
50°	6854.9	6758.9	5973.9	4852.9	5985.9	7774.9	8661.9	7668.9	5426.9	5016.9	6939.9
52.5°	8394.9	8376.9	7524.9	5570.9	6776.9	9074.9	10290.8	9067.9	6091.9	5933.9	8499.9
55°	9782.8	9958.8	9494.8	6665.9	7798.9	10707.8	11965.8	10593.8	6993.9	7449.9	10326.8
57.5°	10530.8	11003.8	11716.8	8899.9	9284.8	12659.8	14032.8	12456.8	8543.9	9973.8	12020.8
60°	10036.8	10572.8	11864.8	10581.8	10758.8	14223.8	15738.7	14022.8	10065.8	11725.8	11924.8
62.5°	9214.8	9695.8	10844.8	9599.8	10986.8	14567.8	15778.7	14295.8	10670.8	10836.8	10771.8
65°	8239.9	8724.9	9941.8	8379.9	10261.8	13750.8	14614.8	13492.8	9583.8	9790.8	9814.8
67.5°	6944.9	7392.9	8631.9	7450.9	9353.8	12551.8	12827.8	12348.8	8825.9	9155.9	8810.9
70°	5188.9	5592.9	6686.9	6054.9	7884.9	10989.8	10766.8	10837.8	7974.9	8302.9	7359.9
72.5°	3545.9	3849.9	4787.9	4757.9	6037.9	8797.9	8486.9	9159.9	6660.9	7095.9	5610.9
75°	2480.0	2717.0	3460.9	3758.9	4563.9	6520.9	6043.9	6855.9	5201.9	5822.9	4093.9
77.5°	1522.0	1679.0	2186.0	2785.0	2936.0	4462.9	3753.9	5158.9	3652.9	4246.9	2731.0
80°	761.0	837.0	1062.0	1751.0	1947.0	2630.0	2073.0	2995.0	2472.0	2630.0	1511.0
82.5°	230.0	254.0	311.0	665.0	1009.0	1514.0	1225.0	1740.0	1350.0	1233.0	595.0
85°	61.0	69.0	86.0	197.0	354.0	543.0	414.0	843.0	647.0	455.0	224.0
87.5°	5.0	5.0	4.0	4.0	2.0	0.0	0.0	60.0	121.0	69.0	39.0
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°	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0
2.5°	1909.0	1905.0	1864.0	1834.0	1799.0	1765.0	1730.0	1699.0	1664.0	1629.0	1619.0
5°	2063.0	2035.0	1948.0	1875.0	1803.0	1740.0	1685.0	1628.0	1582.0	1537.0	1520.0
7.5°	2199.0	2150.0	2024.0	1913.0	1813.0	1735.0	1654.0	1571.0	1506.0	1442.0	1426.0
10°	2322.0	2257.0	2098.0	1958.0	1847.0	1758.0	1663.0	1552.0	1458.0	1380.0	1359.0
12.5°	2413.0	2342.0	2162.0	2001.0	1875.0	1775.0	1681.0	1583.0	1484.0	1383.0	1360.0
15°	2485.0	2411.0	2215.0	2034.0	1876.0	1747.0	1656.0	1622.0	1591.0	1492.0	1450.0
17.5°	2543.0	2465.0	2261.0	2054.0	1849.0	1662.0	1583.0	1633.0	1712.0	1650.0	1571.0
20°	2596.0	2517.0	2296.0	2068.0	1789.0	1545.0	1501.0	1607.0	1726.0	1724.0	1653.0
22.5°	2654.0	2577.0	2347.0	2076.0	1705.0	1426.0	1452.0	1569.0	1666.0	1695.0	1651.0
25°	2728.0	2660.0	2418.0	2094.0	1610.0	1344.0	1416.0	1520.0	1601.0	1608.0	1582.0
27.5°	2814.0	2763.0	2524.0	2136.0	1518.0	1302.0	1374.0	1451.0	1525.0	1528.0	1497.0
30°	2908.0	2874.0	2622.0	2171.0	1449.0	1289.0	1320.0	1382.0	1429.0	1437.0	1410.0
32.5°	3028.0	2998.0	2709.0	2148.0	1408.0	1286.0	1270.0	1302.0	1341.0	1341.0	1320.0
35°	3192.9	3150.9	2801.0	2060.0	1358.0	1274.0	1217.0	1226.0	1243.0	1246.0	1234.0
37.5°	3426.9	3357.9	2894.0	1886.0	1276.0	1231.0	1156.0	1145.0	1151.0	1159.0	1156.0
40°	3716.9	3603.9	3030.0	1677.0	1178.0	1148.0	1093.0	1072.0	1067.0	1083.0	1089.0
42.5°	4081.9	3908.9	3175.9	1482.0	1089.0	1053.0	1019.0	1001.0	993.0	1020.0	1036.0
45°	4664.9	4379.9	3315.9	1289.0	1039.0	972.0	949.0	936.0	940.0	972.0	992.0
47.5°	5671.9	5098.9	3448.9	1167.0	1035.0	914.0	886.0	889.0	900.0	934.0	958.0
50°	6945.9	6061.9	3537.9	1116.0	1047.0	879.0	842.0	858.0	875.0	908.0	936.0
52.5°	8242.9	6958.9	3431.9	1088.0	1046.0	880.0	801.0	849.0	857.0	890.0	920.0
55°	9134.9	7058.9	2965.0	1045.0	1030.0	920.0	769.0	845.0	850.0	880.0	907.0
57.5°	9474.8	6716.9	2261.0	1057.0	982.0	951.0	755.0	817.0	853.0	879.0	907.0
60°	9063.9	6071.9	1374.0	1088.0	905.0	949.0	764.0	766.0	828.0	872.0	900.0
62.5°	8288.9	5243.9	965.0	1000.0	849.0	896.0	785.0	706.0	784.0	837.0	862.0
65°	7400.9	4269.9	736.0	861.0	822.0	814.0	792.0	653.0	724.0	776.0	798.0
67.5°	6475.9	3318.9	598.0	642.0	743.0	736.0	724.0	606.0	653.0	690.0	715.0
70°	5310.9	2322.0	505.0	482.0	637.0	660.0	633.0	547.0	562.0	600.0	620.0
72.5°	3884.9	1447.0	415.0	398.0	512.0	577.0	563.0	482.0	489.0	525.0	541.0
75°	2794.0	828.0	333.0	328.0	391.0	494.0	466.0	415.0	423.0	450.0	461.0
77.5°	1776.0	461.0	257.0	264.0	280.0	369.0	398.0	355.0	355.0	371.0	380.0
80°	951.0	264.0	188.0	191.0	196.0	282.0	314.0	275.0	275.0	264.0	275.0
82.5°	388.0	152.0	129.0	120.0	131.0	193.0	220.0	175.0	183.0	165.0	169.0
85°	128.0	76.0	64.0	63.0	62.0	85.0	106.0	87.0	104.0	66.0	69.0
87.5°	17.0	14.0	8.0	6.0	7.0	3.0	6.0	7.0	7.0	5.0	5.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0
2.5°	1612.0	1604.0	1575.0	1582.0	1577.0	1569.0	1577.0	1562.0	1574.0	1578.0	1603.0
5°	1507.0	1488.0	1460.0	1446.0	1443.0	1435.0	1436.0	1429.0	1431.0	1448.0	1476.0
7.5°	1413.0	1395.0	1373.0	1363.0	1354.0	1345.0	1344.0	1343.0	1351.0	1366.0	1393.0
10°	1345.0	1335.0	1326.0	1330.0	1326.0	1322.0	1315.0	1315.0	1328.0	1355.0	1388.0
12.5°	1345.0	1343.0	1345.0	1357.0	1356.0	1357.0	1348.0	1353.0	1389.0	1435.0	1482.0
15°	1417.0	1401.0	1401.0	1407.0	1405.0	1405.0	1405.0	1426.0	1508.0	1579.0	1629.0
17.5°	1505.0	1458.0	1438.0	1435.0	1434.0	1434.0	1438.0	1483.0	1611.0	1686.0	1715.0
20°	1566.0	1477.0	1444.0	1431.0	1432.0	1434.0	1446.0	1508.0	1649.0	1687.0	1680.0
22.5°	1577.0	1462.0	1422.0	1403.0	1406.0	1408.0	1426.0	1492.0	1597.0	1603.0	1589.0
25°	1526.0	1420.0	1377.0	1362.0	1366.0	1365.0	1381.0	1429.0	1504.0	1502.0	1494.0
27.5°	1450.0	1353.0	1321.0	1311.0	1318.0	1310.0	1315.0	1352.0	1410.0	1408.0	1405.0
30°	1372.0	1288.0	1259.0	1254.0	1263.0	1251.0	1252.0	1283.0	1323.0	1321.0	1320.0
32.5°	1294.0	1223.0	1197.0	1197.0	1206.0	1193.0	1195.0	1222.0	1249.0	1241.0	1241.0
35°	1220.0	1170.0	1149.0	1145.0	1152.0	1143.0	1147.0	1172.0	1182.0	1171.0	1164.0
37.5°	1155.0	1133.0	1112.0	1098.0	1099.0	1100.0	1112.0	1131.0	1125.0	1109.0	1100.0
40°	1095.0	1095.0	1075.0	1049.0	1046.0	1053.0	1073.0	1094.0	1077.0	1059.0	1048.0
42.5°	1052.0	1061.0	1042.0	1016.0	1010.0	1022.0	1044.0	1059.0	1039.0	1019.0	1004.0
45°	1012.0	1034.0	1021.0	992.0	984.0	998.0	1026.0	1032.0	1005.0	986.0	975.0
47.5°	984.0	1014.0	1005.0	977.0	965.0	985.0	1014.0	1013.0	979.0	959.0	950.0
50°	964.0	1002.0	1001.0	977.0	964.0	989.0	1015.0	1002.0	965.0	944.0	935.0
52.5°	948.0	1001.0	1008.0	994.0	985.0	1007.0	1023.0	998.0	955.0	933.0	926.0
55°	941.0	1005.0	1010.0	997.0	989.0	1009.0	1023.0	1006.0	955.0	935.0	929.0
57.5°	943.0	1000.0	1001.0	983.0	969.0	994.0	1016.0	1011.0	966.0	943.0	936.0
60°	931.0	973.0	975.0	947.0	931.0	961.0	1000.0	997.0	961.0	937.0	924.0
62.5°	891.0	928.0	929.0	903.0	880.0	923.0	966.0	965.0	932.0	908.0	893.0
65°	824.0	863.0	873.0	848.0	830.0	876.0	921.0	919.0	886.0	864.0	849.0
67.5°	741.0	783.0	802.0	785.0	778.0	820.0	862.0	861.0	834.0	813.0	800.0
70°	640.0	675.0	707.0	707.0	702.0	750.0	795.0	791.0	766.0	750.0	740.0
72.5°	556.0	583.0	593.0	603.0	618.0	668.0	706.0	709.0	691.0	683.0	691.0
75°	473.0	490.0	499.0	491.0	517.0	569.0	619.0	624.0	605.0	592.0	595.0
77.5°	389.0	408.0	417.0	399.0	397.0	463.0	524.0	535.0	519.0	499.0	505.0
80°	281.0	306.0	321.0	309.0	305.0	334.0	418.0	430.0	415.0	399.0	408.0
82.5°	172.0	186.0	190.0	202.0	227.0	239.0	269.0	309.0	298.0	284.0	309.0
85°	68.0	81.0	90.0	102.0	119.0	141.0	166.0	198.0	180.0	174.0	205.0
87.5°	4.0	1.0	0.0	2.0	17.0	33.0	71.0	98.0	82.0	88.0	106.0
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°	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0
2.5°	1623.0	1649.0	1684.0	1713.0	1750.0	1785.0	1821.0	1857.0	1876.0	1884.0
5°	1508.0	1556.0	1612.0	1674.0	1746.0	1822.0	1899.0	1978.0	2028.0	2032.0
7.5°	1439.0	1508.0	1585.0	1663.0	1752.0	1857.0	1979.0	2101.0	2152.0	2166.0
10°	1461.0	1538.0	1599.0	1672.0	1770.0	1901.0	2045.0	2188.0	2247.0	2264.0
12.5°	1549.0	1564.0	1583.0	1650.0	1770.0	1939.0	2113.0	2283.0	2346.0	2362.0
15°	1622.0	1550.0	1516.0	1587.0	1746.0	1972.0	2185.0	2373.0	2449.0	2464.0
17.5°	1628.0	1504.0	1430.0	1494.0	1704.0	1995.0	2254.0	2473.0	2537.0	2551.0
20°	1567.0	1455.0	1359.0	1398.0	1647.0	2005.0	2304.0	2546.0	2609.0	2623.0
22.5°	1498.0	1415.0	1311.0	1309.0	1578.0	2016.0	2364.0	2615.0	2683.0	2692.0
25°	1433.0	1360.0	1272.0	1244.0	1498.0	2037.0	2445.0	2719.0	2771.0	2774.0
27.5°	1357.0	1301.0	1241.0	1214.0	1428.0	2077.0	2565.0	2843.0	2874.0	2869.0
30°	1288.0	1246.0	1219.0	1211.0	1384.0	2107.0	2679.0	2965.0	2967.0	2950.0
32.5°	1215.0	1199.0	1199.0	1225.0	1348.0	2100.0	2772.0	3083.9	3064.9	3040.0
35°	1150.0	1153.0	1174.0	1235.0	1288.0	2030.0	2861.0	3232.9	3204.9	3168.9
37.5°	1088.0	1111.0	1141.0	1200.0	1209.0	1926.0	2965.0	3443.9	3408.9	3363.9
40°	1035.0	1070.0	1105.0	1134.0	1125.0	1778.0	3109.9	3691.9	3652.9	3600.9
42.5°	993.0	1027.0	1066.0	1069.0	1072.0	1624.0	3263.9	3995.9	3988.9	3931.9
45°	966.0	988.0	1025.0	1020.0	1069.0	1454.0	3405.9	4459.9	4551.9	4508.9
47.5°	948.0	965.0	969.0	990.0	1095.0	1302.0	3588.9	5367.9	5623.9	5574.9
50°	938.0	955.0	910.0	992.0	1099.0	1204.0	3841.9	6507.9	6919.9	6854.9
52.5°	937.0	933.0	865.0	1013.0	1077.0	1144.0	3973.9	7339.9	8253.9	8394.9
55°	939.0	889.0	842.0	1019.0	1033.0	1122.0	3531.9	7739.9	9484.8	9782.8
57.5°	921.0	841.0	855.0	995.0	950.0	1181.0	2611.0	7596.9	9976.8	10530.8
60°	887.0	795.0	879.0	930.0	865.0	1080.0	1798.0	6958.9	9466.8	10036.8
62.5°	838.0	763.0	876.0	846.0	834.0	884.0	1236.0	6065.9	8657.9	9214.8
65°	783.0	737.0	829.0	765.0	772.0	680.0	874.0	5057.9	7691.9	8239.9
67.5°	724.0	721.0	760.0	681.0	652.0	539.0	637.0	4053.9	6450.9	6944.9
70°	657.0	679.0	691.0	605.0	529.0	423.0	473.0	2835.0	4758.9	5188.9
72.5°	590.0	592.0	609.0	526.0	396.0	339.0	355.0	1717.0	3232.9	3545.9
75°	522.0	503.0	519.0	428.0	295.0	278.0	274.0	1061.0	2233.0	2480.0
77.5°	449.0	428.0	407.0	322.0	237.0	215.0	210.0	595.0	1370.0	1522.0
80°	365.0	337.0	304.0	236.0	173.0	154.0	153.0	290.0	683.0	761.0
82.5°	284.0	231.0	222.0	147.0	107.0	94.0	100.0	111.0	206.0	230.0
85°	199.0	168.0	118.0	59.0	48.0	39.0	38.0	33.0	55.0	61.0
87.5°	111.0	73.0	38.0	7.0	8.0	9.0	7.0	5.0	5.0	5.0
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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