

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: P635076

Luminaire Tested: GWS-SA3D-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635076
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-722-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12273.7 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

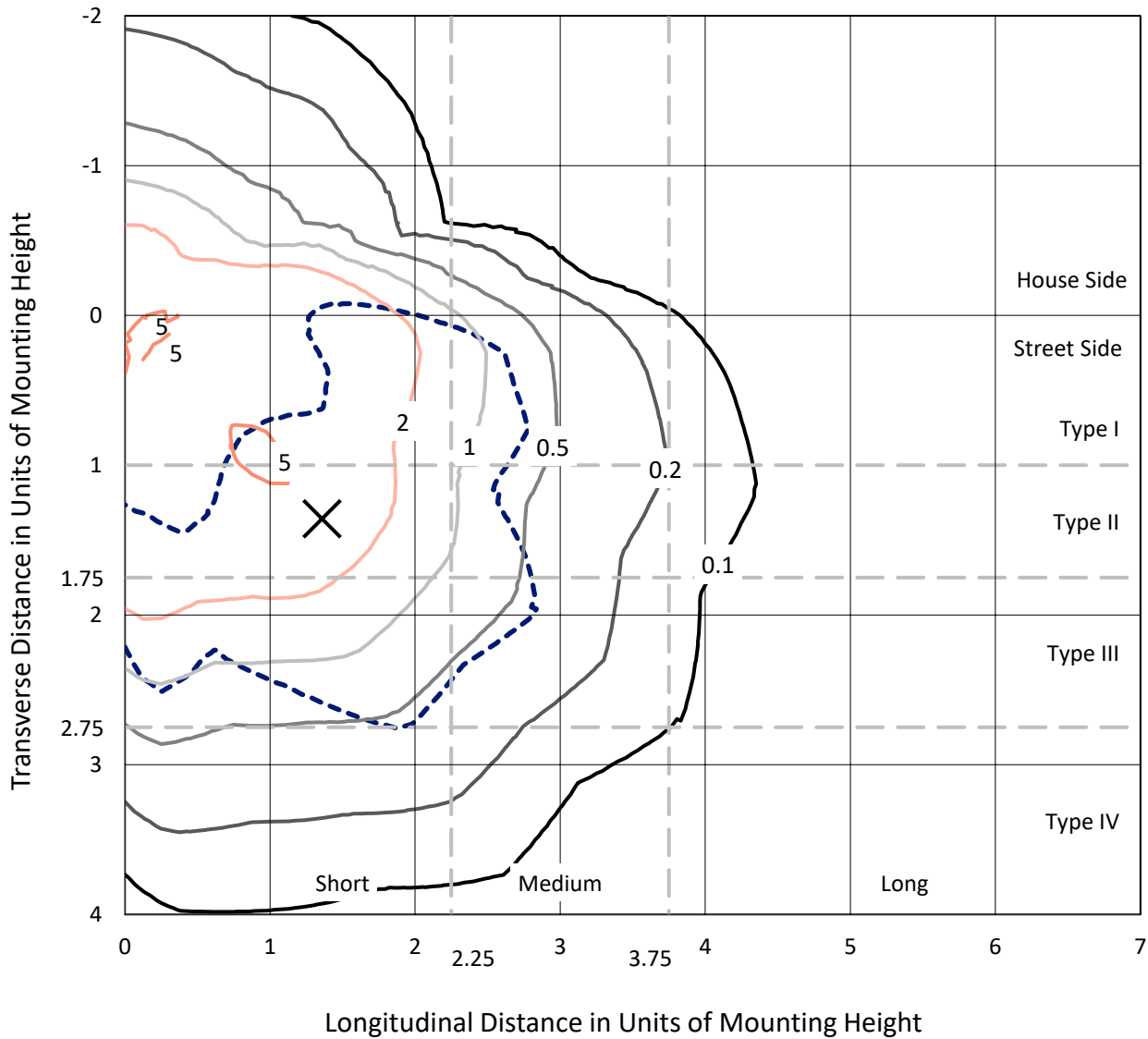
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

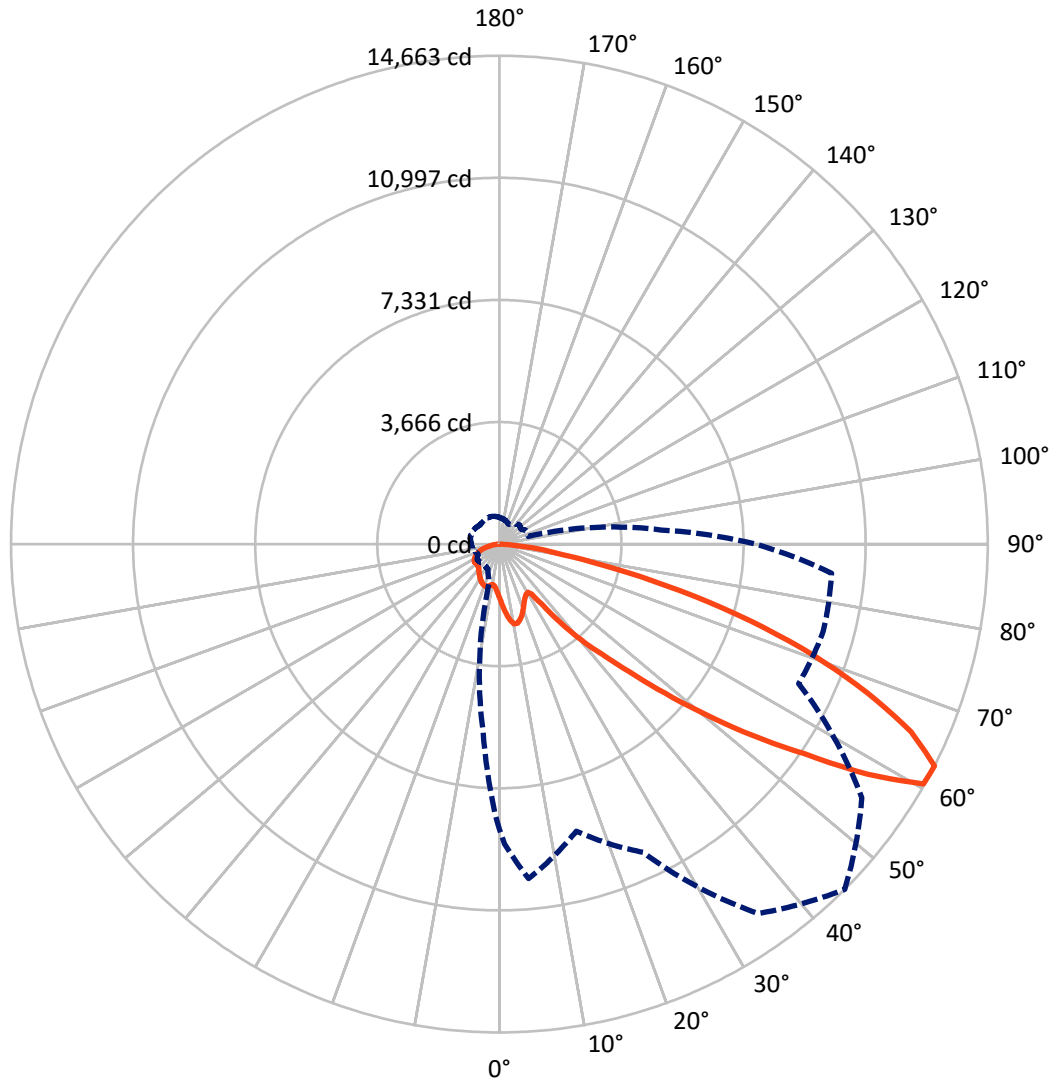
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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	2928.7	0.0	2928.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	9345.0	0.0	9345.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	12273.7	0.0	12273.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.3
10°-20°	498.7	4.1
20°-30°	774.6	6.3
30°-40°	1051.7	8.6
40°-50°	1666.9	13.6
50°-60°	2940.4	24.0
60°-70°	3271.7	26.7
70°-80°	1659.3	13.5
80°-90°	251.2	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°	12273.7	100.0
0°-180°	12273.7	100.0

Coefficient of Utilization



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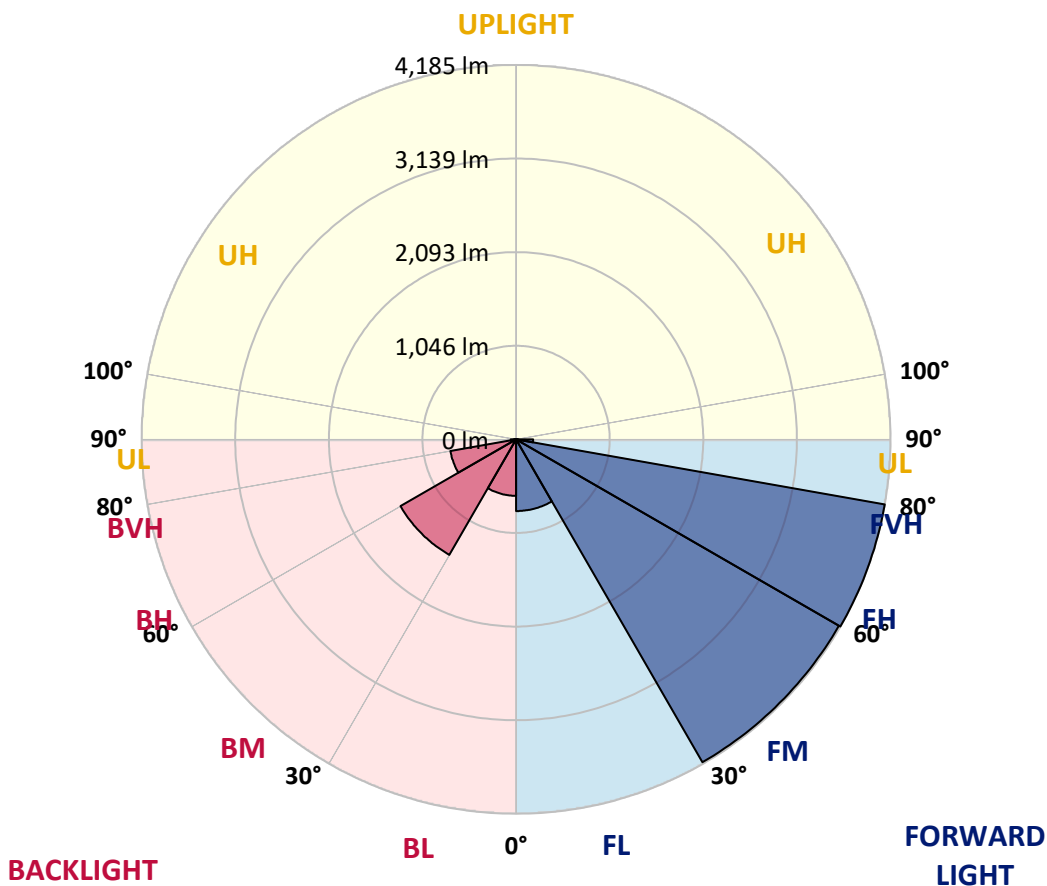
CATALOG NUMBER: GWS-SA3D-722-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	801.4	6.5			
FM (30°-60°)	4167.5	34.0			
FH (60°-80°)	4185.4	34.1			G2/5000
FVH (80°-90°)	190.7	1.6			G2/225
BL (0°-30°)	631.1	5.1	B2/1000		
BM (30°-60°)	1491.6	12.2	B2/2500		
BH (60°-80°)	745.5	6.1	B2/1000		G2/1000
BVH (80°-90°)	60.5	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°	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0
2.5°	1750.7	1749.8	1767.4	1794.4	1819.5	1830.6	1849.2	1847.3	1832.5	1813.0	1806.5
5°	1888.2	1891.9	1922.6	1982.1	2048.1	2075.9	2088.0	2083.4	2056.4	2022.0	1961.6
7.5°	2012.7	2019.3	2066.6	2155.9	2237.6	2274.8	2304.5	2299.0	2259.9	2195.8	2106.6
10°	2103.8	2111.3	2167.9	2272.9	2364.0	2396.5	2434.6	2436.5	2402.1	2315.7	2224.6
12.5°	2194.9	2202.3	2255.3	2351.0	2410.5	2411.4	2433.7	2445.8	2447.6	2407.7	2316.6
15°	2289.7	2296.2	2344.5	2398.4	2395.6	2343.6	2343.6	2366.8	2417.9	2446.7	2383.5
17.5°	2370.5	2378.9	2416.0	2398.4	2315.7	2221.8	2210.7	2240.4	2329.6	2440.2	2433.7
20°	2437.4	2443.9	2464.4	2347.3	2196.7	2074.1	2052.7	2087.1	2207.9	2400.2	2471.8
22.5°	2501.5	2505.3	2494.1	2280.4	2068.5	1928.2	1902.2	1938.4	2068.5	2329.6	2504.3
25°	2577.7	2574.0	2521.0	2210.7	1951.4	1813.0	1786.0	1826.9	1962.6	2235.8	2539.6
27.5°	2666.0	2652.1	2544.3	2135.4	1861.3	1727.5	1708.9	1752.6	1878.9	2149.3	2567.5
30°	2741.3	2714.3	2548.0	2068.5	1814.8	1691.2	1680.1	1721.0	1838.1	2090.8	2602.8
32.5°	2824.9	2787.7	2569.4	2050.8	1840.8	1778.6	1793.4	1796.2	1849.2	2074.1	2655.8
35°	2944.8	2896.5	2627.9	2102.0	2108.5	2213.5	2267.4	2194.9	2017.4	2111.3	2756.1
37.5°	3126.0	3064.7	2746.9	2323.1	2661.4	2896.5	3026.6	2861.2	2528.5	2251.6	2907.6
40°	3346.2	3268.2	2899.3	2732.0	3178.0	3554.4	3785.8	3543.2	3054.4	2601.9	3120.4
42.5°	3653.8	3572.0	3194.8	3133.4	3656.6	4216.9	4518.9	4157.5	3518.1	3054.4	3461.4
45°	4190.0	4111.0	3736.5	3535.8	4216.9	5032.8	5456.5	4953.8	3989.3	3508.8	4098.9
47.5°	5180.6	5087.6	4541.2	3981.8	4856.2	6092.1	6685.0	5952.8	4479.0	4029.2	5169.4
50°	6370.0	6280.8	5551.3	4509.6	5562.5	7224.9	8049.1	7126.4	5043.0	4662.0	6449.0
52.5°	7801.0	7784.3	6992.6	5176.8	6297.5	8432.9	9562.9	8426.4	5661.0	5514.2	7898.6
55°	9090.8	9254.4	8823.2	6194.4	7247.2	9950.4	11119.4	9844.4	6499.2	6922.9	9596.3
57.5°	9785.9	10225.4	10888.0	8270.3	8628.1	11764.3	13040.1	11575.6	7939.5	9268.3	11170.5
60°	9326.9	9824.9	11025.5	9833.3	9997.8	13217.6	14625.4	13030.8	9353.8	10896.4	11081.3
62.5°	8563.0	9010.0	10077.7	8920.8	10209.6	13537.3	14662.6	13284.5	9916.0	10070.3	10009.9
65°	7657.0	8107.7	9238.6	7787.1	9535.9	12778.1	13581.0	12538.3	8905.9	9098.3	9120.6
67.5°	6453.6	6869.9	8021.3	6923.8	8692.2	11663.9	11920.4	11475.3	8201.5	8508.2	8187.6
70°	4821.9	5197.3	6213.9	5626.6	7327.1	10212.4	10005.2	10071.2	7410.7	7715.5	6839.3
72.5°	3295.1	3577.6	4449.2	4421.4	5610.8	8175.5	7886.5	8511.9	6189.7	6593.9	5214.0
75°	2304.5	2524.8	3216.1	3493.0	4241.1	6059.6	5616.4	6370.9	4833.9	5411.0	3804.3
77.5°	1414.3	1560.2	2031.3	2588.0	2728.3	4147.2	3488.4	4794.0	3394.5	3946.5	2537.8
80°	707.2	777.8	986.9	1627.1	1809.2	2443.9	1926.3	2783.1	2297.1	2443.9	1404.1
82.5°	213.7	236.0	289.0	617.9	937.6	1406.9	1138.3	1616.9	1254.5	1145.8	552.9
85°	56.7	64.1	79.9	183.1	329.0	504.6	384.7	783.4	601.2	422.8	208.2
87.5°	4.6	4.6	3.7	3.7	1.9	0.0	0.0	55.8	112.4	64.1	36.2
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°	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0
2.5°	1773.9	1770.2	1732.1	1704.2	1671.7	1640.1	1607.6	1578.8	1546.3	1513.7	1504.5
5°	1917.0	1891.0	1810.2	1742.3	1675.4	1616.9	1565.8	1512.8	1470.1	1428.3	1412.5
7.5°	2043.4	1997.9	1880.8	1777.7	1684.7	1612.2	1537.0	1459.8	1399.4	1340.0	1325.1
10°	2157.7	2097.3	1949.6	1819.5	1716.3	1633.6	1545.3	1442.2	1354.8	1282.4	1262.8
12.5°	2242.3	2176.3	2009.0	1859.4	1742.3	1649.4	1562.1	1471.0	1379.0	1285.1	1263.8
15°	2309.2	2240.4	2058.3	1890.1	1743.3	1623.4	1538.8	1507.2	1478.4	1386.4	1347.4
17.5°	2363.1	2290.6	2101.0	1908.7	1718.2	1544.4	1471.0	1517.5	1590.9	1533.3	1459.8
20°	2412.3	2338.9	2133.6	1921.7	1662.4	1435.7	1394.8	1493.3	1603.9	1602.0	1536.0
22.5°	2466.2	2394.7	2180.9	1929.1	1584.4	1325.1	1349.3	1458.0	1548.1	1575.1	1534.2
25°	2535.0	2471.8	2246.9	1945.8	1496.1	1248.9	1315.8	1412.5	1487.7	1494.2	1470.1
27.5°	2614.9	2567.5	2345.4	1984.9	1410.6	1209.9	1276.8	1348.3	1417.1	1419.9	1391.1
30°	2702.3	2670.7	2436.5	2017.4	1346.5	1197.8	1226.6	1284.2	1327.9	1335.3	1310.2
32.5°	2813.8	2785.9	2517.3	1996.0	1308.4	1195.0	1180.1	1209.9	1246.1	1246.1	1226.6
35°	2967.1	2928.1	2602.8	1914.2	1261.9	1183.9	1130.9	1139.3	1155.1	1157.8	1146.7
37.5°	3184.5	3120.4	2689.2	1752.6	1185.7	1143.9	1074.2	1064.0	1069.6	1077.0	1074.2
40°	3454.0	3349.0	2815.6	1558.3	1094.7	1066.8	1015.7	996.2	991.5	1006.4	1012.0
42.5°	3793.2	3632.4	2951.3	1377.1	1012.0	978.5	946.9	930.2	922.7	947.8	962.7
45°	4334.9	4070.1	3081.4	1197.8	965.5	903.2	881.9	869.8	873.5	903.2	921.8
47.5°	5270.7	4738.2	3205.0	1084.4	961.8	849.3	823.3	826.1	836.3	867.9	890.2
50°	6454.6	5633.1	3287.7	1037.0	972.9	816.8	782.4	797.3	813.1	843.8	869.8
52.5°	7659.8	6466.6	3189.2	1011.0	972.0	817.7	744.3	788.9	796.4	827.0	854.9
55°	8488.7	6559.6	2755.2	971.1	957.1	854.9	714.6	785.2	789.9	817.7	842.8
57.5°	8804.6	6241.8	2101.0	982.2	912.5	883.7	701.6	759.2	792.6	816.8	842.8
60°	8422.7	5642.4	1276.8	1011.0	841.0	881.9	709.9	711.8	769.4	810.3	836.3
62.5°	7702.5	4873.0	896.7	929.2	788.9	832.6	729.5	656.0	728.5	777.8	801.0
65°	6877.4	3967.9	683.9	800.1	763.8	756.4	736.0	606.8	672.8	721.1	741.5
67.5°	6017.8	3084.2	555.7	596.6	690.4	683.9	672.8	563.1	606.8	641.2	664.4
70°	4935.2	2157.7	469.3	447.9	591.9	613.3	588.2	508.3	522.2	557.5	576.1
72.5°	3610.1	1344.6	385.6	369.8	475.8	536.2	523.2	447.9	454.4	487.9	502.7
75°	2596.3	769.4	309.4	304.8	363.3	459.0	433.0	385.6	393.1	418.2	428.4
77.5°	1650.3	428.4	238.8	245.3	260.2	342.9	369.8	329.9	329.9	344.8	353.1
80°	883.7	245.3	174.7	177.5	182.1	262.0	291.8	255.5	255.5	245.3	255.5
82.5°	360.5	141.2	119.9	111.5	121.7	179.3	204.4	162.6	170.1	153.3	157.0
85°	118.9	70.6	59.5	58.5	57.6	79.0	98.5	80.8	96.6	61.3	64.1
87.5°	15.8	13.0	7.4	5.6	6.5	2.8	5.6	6.5	6.5	4.6	4.6
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°	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0
2.5°	1497.9	1490.5	1463.6	1470.1	1465.4	1458.0	1465.4	1451.5	1462.6	1466.4	1489.6
5°	1400.4	1382.7	1356.7	1343.7	1340.9	1333.5	1334.4	1327.9	1329.8	1345.6	1371.6
7.5°	1313.0	1296.3	1275.9	1266.6	1258.2	1249.8	1248.9	1248.0	1255.4	1269.4	1294.4
10°	1249.8	1240.5	1232.2	1235.9	1232.2	1228.5	1222.0	1222.0	1234.0	1259.1	1289.8
12.5°	1249.8	1248.0	1249.8	1261.0	1260.1	1261.0	1252.6	1257.3	1290.7	1333.5	1377.1
15°	1316.7	1301.9	1301.9	1307.5	1305.6	1305.6	1305.6	1325.1	1401.3	1467.3	1513.7
17.5°	1398.5	1354.8	1336.3	1333.5	1332.5	1332.5	1336.3	1378.1	1497.0	1566.7	1593.7
20°	1455.2	1372.5	1341.8	1329.8	1330.7	1332.5	1343.7	1401.3	1532.3	1567.6	1561.1
22.5°	1465.4	1358.6	1321.4	1303.7	1306.5	1308.4	1325.1	1386.4	1484.0	1489.6	1476.6
25°	1418.0	1319.5	1279.6	1265.6	1269.4	1268.4	1283.3	1327.9	1397.6	1395.7	1388.3
27.5°	1347.4	1257.3	1227.5	1218.2	1224.7	1217.3	1222.0	1256.3	1310.2	1308.4	1305.6
30°	1274.9	1196.9	1169.9	1165.3	1173.6	1162.5	1163.4	1192.2	1229.4	1227.5	1226.6
32.5°	1202.4	1136.5	1112.3	1112.3	1120.7	1108.6	1110.5	1135.5	1160.6	1153.2	1153.2
35°	1133.7	1087.2	1067.7	1064.0	1070.5	1062.1	1065.8	1089.1	1098.4	1088.1	1081.6
37.5°	1073.3	1052.8	1033.3	1020.3	1021.2	1022.2	1033.3	1051.0	1045.4	1030.5	1022.2
40°	1017.5	1017.5	998.9	974.8	972.0	978.5	997.1	1016.6	1000.8	984.1	973.9
42.5°	977.6	985.9	968.3	944.1	938.5	949.7	970.1	984.1	965.5	946.9	933.0
45°	940.4	960.8	948.8	921.8	914.4	927.4	953.4	959.0	933.9	916.2	906.0
47.5°	914.4	942.3	933.9	907.9	896.7	915.3	942.3	941.3	909.7	891.1	882.8
50°	895.8	931.1	930.2	907.9	895.8	919.0	943.2	931.1	896.7	877.2	868.8
52.5°	880.9	930.2	936.7	923.7	915.3	935.8	950.6	927.4	887.4	867.0	860.5
55°	874.4	933.9	938.5	926.5	919.0	937.6	950.6	934.8	887.4	868.8	863.3
57.5°	876.3	929.2	930.2	913.5	900.4	923.7	944.1	939.5	897.7	876.3	869.8
60°	865.1	904.2	906.0	880.0	865.1	893.0	929.2	926.5	893.0	870.7	858.6
62.5°	828.0	862.3	863.3	839.1	817.7	857.7	897.7	896.7	866.1	843.8	829.8
65°	765.7	801.9	811.2	788.0	771.3	814.0	855.8	854.0	823.3	802.9	788.9
67.5°	688.6	727.6	745.3	729.5	723.0	762.0	801.0	800.1	775.0	755.5	743.4
70°	594.7	627.2	657.0	657.0	652.3	696.9	738.8	735.0	711.8	696.9	687.6
72.5°	516.7	541.8	551.0	560.3	574.3	620.7	656.0	658.8	642.1	634.7	642.1
75°	439.5	455.3	463.7	456.3	480.4	528.7	575.2	579.9	562.2	550.1	552.9
77.5°	361.5	379.1	387.5	370.8	368.9	430.2	486.9	497.1	482.3	463.7	469.3
80°	261.1	284.3	298.3	287.1	283.4	310.4	388.4	399.6	385.6	370.8	379.1
82.5°	159.8	172.8	176.6	187.7	210.9	222.1	250.0	287.1	276.9	263.9	287.1
85°	63.2	75.3	83.6	94.8	110.6	131.0	154.3	184.0	167.3	161.7	190.5
87.5°	3.7	0.9	0.0	1.9	15.8	30.7	66.0	91.1	76.2	81.8	98.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0
2.5°	1508.2	1532.3	1564.9	1591.8	1626.2	1658.7	1692.2	1725.6	1743.3	1750.7
5°	1401.3	1445.9	1497.9	1555.6	1622.5	1693.1	1764.6	1838.1	1884.5	1888.2
7.5°	1337.2	1401.3	1472.9	1545.3	1628.0	1725.6	1839.0	1952.3	1999.7	2012.7
10°	1357.6	1429.2	1485.9	1553.7	1644.8	1766.5	1900.3	2033.2	2088.0	2103.8
12.5°	1439.4	1453.3	1471.0	1533.3	1644.8	1801.8	1963.5	2121.5	2180.0	2194.9
15°	1507.2	1440.3	1408.7	1474.7	1622.5	1832.5	2030.4	2205.1	2275.7	2289.7
17.5°	1512.8	1397.6	1328.8	1388.3	1583.4	1853.8	2094.5	2298.0	2357.5	2370.5
20°	1456.1	1352.1	1262.8	1299.1	1530.5	1863.1	2141.0	2365.9	2424.4	2437.4
22.5°	1392.0	1314.9	1218.2	1216.4	1466.4	1873.4	2196.7	2430.0	2493.2	2501.5
25°	1331.6	1263.8	1182.0	1156.0	1392.0	1892.9	2272.0	2526.6	2574.9	2577.7
27.5°	1261.0	1209.0	1153.2	1128.1	1327.0	1930.0	2383.5	2641.9	2670.7	2666.0
30°	1196.9	1157.8	1132.8	1125.3	1286.1	1957.9	2489.5	2755.2	2757.1	2741.3
32.5°	1129.0	1114.2	1114.2	1138.3	1252.6	1951.4	2575.9	2865.8	2848.1	2824.9
35°	1068.6	1071.4	1090.9	1147.6	1196.9	1886.4	2658.6	3004.3	2978.2	2944.8
37.5°	1011.0	1032.4	1060.3	1115.1	1123.5	1789.7	2755.2	3200.3	3167.8	3126.0
40°	961.8	994.3	1026.8	1053.8	1045.4	1652.2	2890.0	3430.8	3394.5	3346.2
42.5°	922.7	954.3	990.6	993.4	996.2	1509.1	3033.1	3713.3	3706.8	3653.8
45°	897.7	918.1	952.5	947.8	993.4	1351.1	3165.0	4144.4	4229.9	4190.0
47.5°	880.9	896.7	900.4	920.0	1017.5	1209.9	3335.1	4988.2	5226.1	5180.6
50°	871.6	887.4	845.6	921.8	1021.2	1118.8	3570.2	6047.5	6430.4	6370.0
52.5°	870.7	867.0	803.8	941.3	1000.8	1063.1	3692.8	6820.7	7670.0	7801.0
55°	872.6	826.1	782.4	946.9	959.9	1042.6	3282.1	7192.4	8813.9	9090.8
57.5°	855.8	781.5	794.5	924.6	882.8	1097.4	2426.3	7059.5	9271.1	9785.9
60°	824.2	738.8	816.8	864.2	803.8	1003.6	1670.8	6466.6	8797.2	9326.9
62.5°	778.7	709.0	814.0	786.1	775.0	821.5	1148.5	5636.8	8045.4	8563.0
65°	727.6	684.9	770.3	710.9	717.4	631.9	812.2	4700.1	7147.8	7657.0
67.5°	672.8	670.0	706.2	632.8	605.9	500.9	591.9	3767.2	5994.6	6453.6
70°	610.5	631.0	642.1	562.2	491.6	393.1	439.5	2634.4	4422.3	4821.9
72.5°	548.3	550.1	565.9	488.8	368.0	315.0	329.9	1595.5	3004.3	3295.1
75°	485.1	467.4	482.3	397.7	274.1	258.3	254.6	985.9	2075.0	2304.5
77.5°	417.2	397.7	378.2	299.2	220.2	199.8	195.1	552.9	1273.1	1414.3
80°	339.2	313.2	282.5	219.3	160.8	143.1	142.2	269.5	634.7	707.2
82.5°	263.9	214.7	206.3	136.6	99.4	87.3	92.9	103.1	191.4	213.7
85°	184.9	156.1	109.7	54.8	44.6	36.2	35.3	30.7	51.1	56.7
87.5°	103.1	67.8	35.3	6.5	7.4	8.4	6.5	4.6	4.6	4.6
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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