

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: P634746

Luminaire Tested: GWS-SA3C-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634746
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-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13027 lumens
Efficiency: N/A
Efficacy: 140.1 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

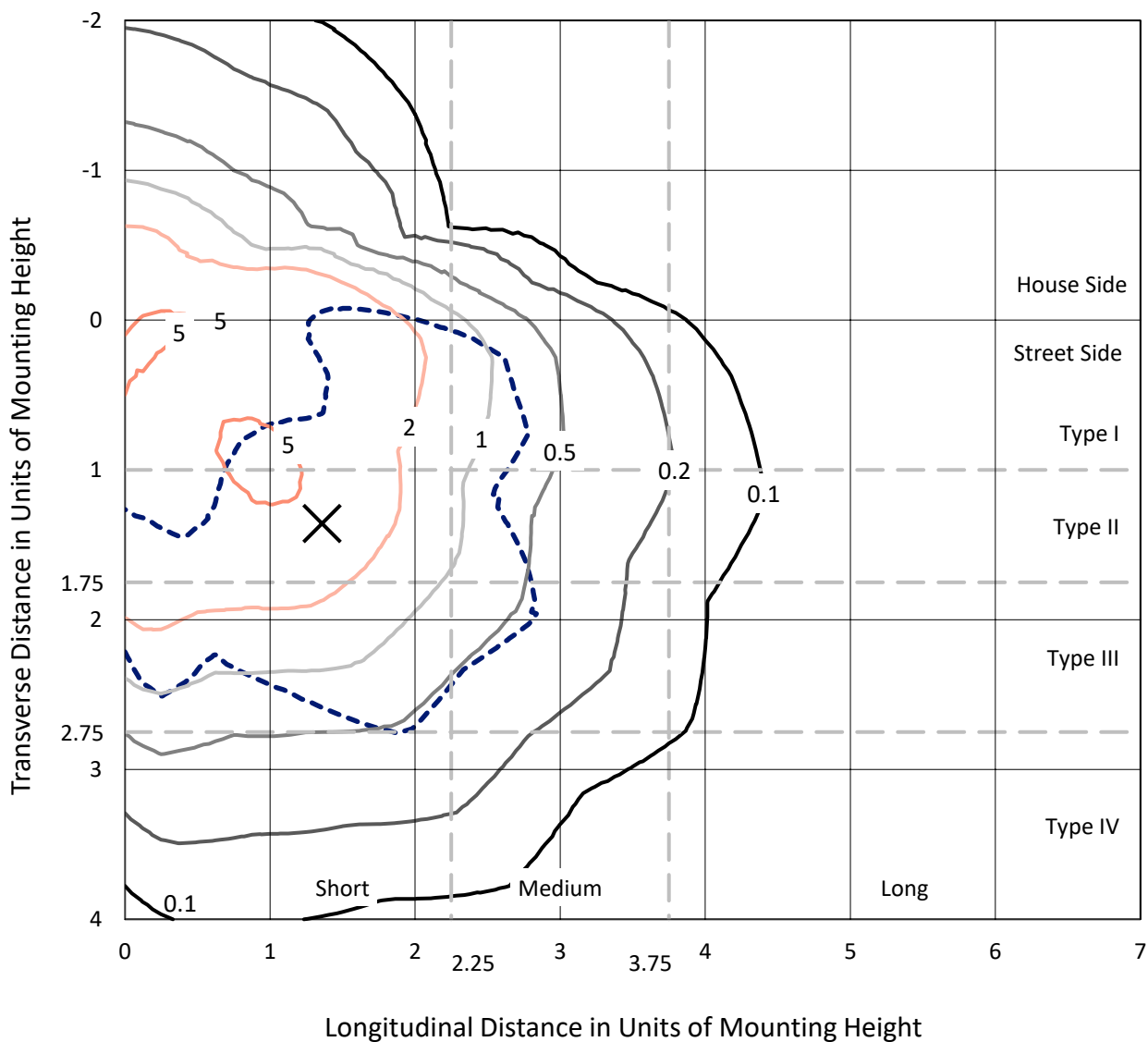


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Iso-Footcandle Lines of Horizontal Illumination

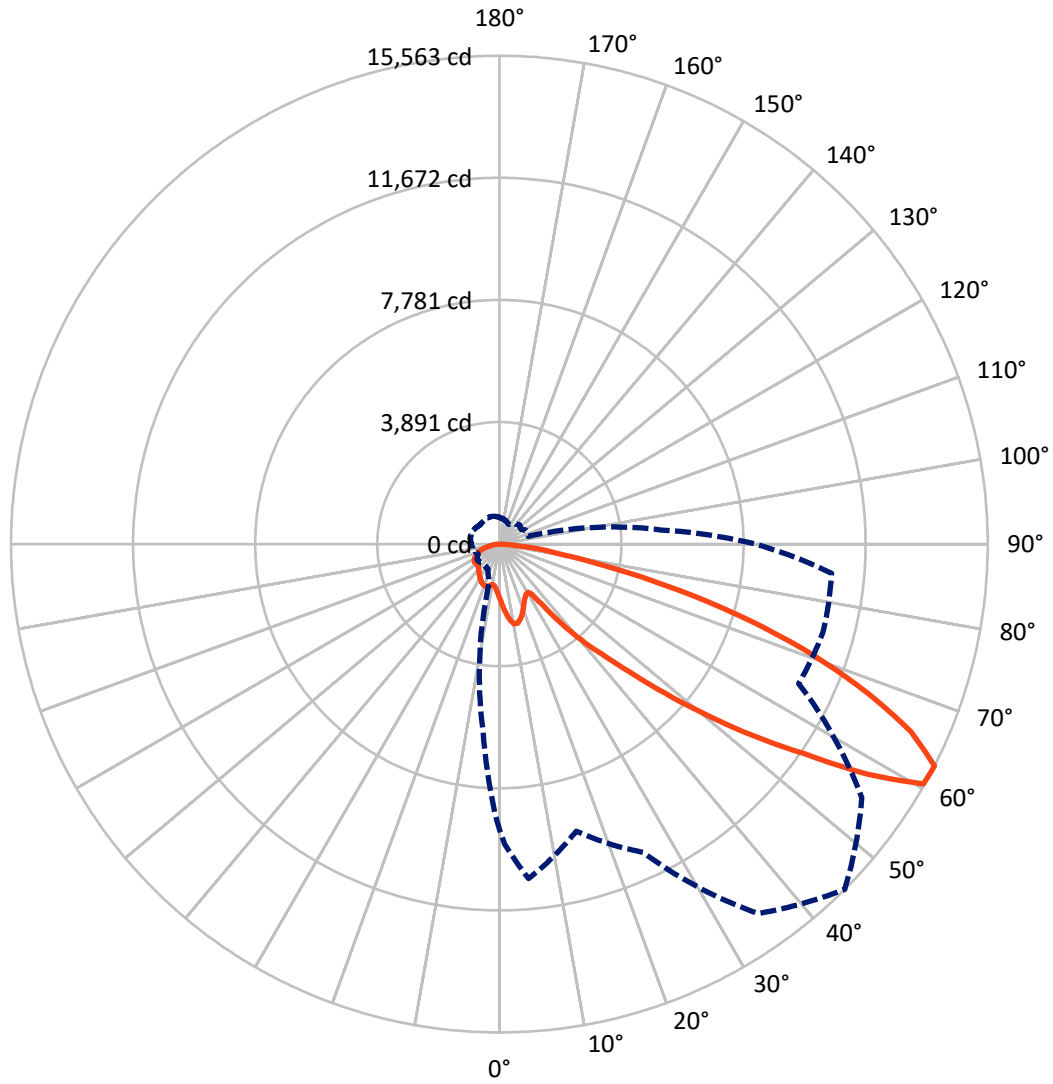
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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	3108.5	0.0	3108.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	9918.5	0.0	9918.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	13027.0	0.0	13027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	1.3
10°-20°	529.3	4.1
20°-30°	822.2	6.3
30°-40°	1116.3	8.6
40°-50°	1769.2	13.6
50°-60°	3120.9	24.0
60°-70°	3472.5	26.7
70°-80°	1761.1	13.5
80°-90°	266.7	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°	13027.0	100.0
0°-180°	13027.0	100.0

Coefficient of Utilization



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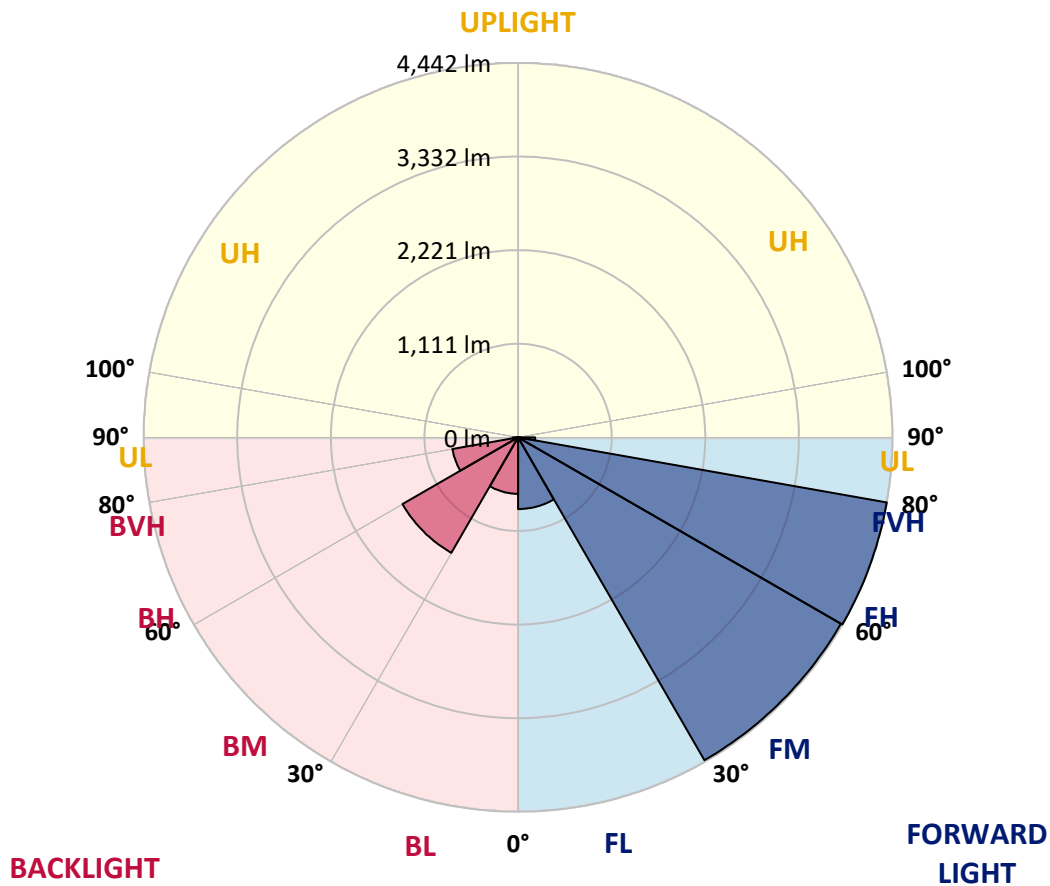
CATALOG NUMBER: GWS-SA3C-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.6	6.5			
FM (30°-60°)	4423.2	34.0			
FH (60°-80°)	4442.3	34.1			G2/5000
FVH (80°-90°)	202.4	1.6			G2/225
BL (0°-30°)	669.8	5.1	B2/1000		
BM (30°-60°)	1583.2	12.2	B2/2500		
BH (60°-80°)	791.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	64.3	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9
2.5°	1858.2	1857.2	1875.9	1904.5	1931.1	1943.0	1962.7	1960.7	1944.9	1924.2	1917.3
5°	2004.1	2008.1	2040.6	2103.7	2173.8	2203.3	2216.2	2211.2	2182.6	2146.1	2082.0
7.5°	2136.3	2143.2	2193.5	2288.2	2375.0	2414.4	2446.0	2440.1	2398.6	2330.6	2235.9
10°	2232.9	2240.8	2301.0	2412.4	2509.1	2543.6	2584.1	2586.0	2549.5	2457.8	2361.2
12.5°	2329.6	2337.5	2393.7	2495.3	2558.4	2559.4	2583.1	2595.9	2597.9	2555.5	2458.8
15°	2430.2	2437.1	2488.4	2545.6	2542.6	2487.4	2487.4	2512.1	2566.3	2596.9	2529.8
17.5°	2516.0	2524.9	2564.3	2545.6	2457.8	2358.2	2346.4	2377.9	2472.6	2590.0	2583.1
20°	2587.0	2593.9	2615.6	2491.3	2331.6	2201.4	2178.7	2215.2	2343.4	2547.6	2623.5
22.5°	2655.1	2659.0	2647.2	2420.3	2195.5	2046.5	2018.9	2057.4	2195.5	2472.6	2658.0
25°	2735.9	2732.0	2675.8	2346.4	2071.2	1924.2	1895.6	1939.0	2083.0	2373.0	2695.5
27.5°	2829.6	2814.8	2700.4	2266.5	1975.5	1833.5	1813.8	1860.1	1994.3	2281.3	2725.1
30°	2909.5	2880.9	2704.4	2195.5	1926.2	1795.0	1783.2	1826.6	1950.9	2219.1	2762.6
32.5°	2998.3	2958.8	2727.1	2176.7	1953.8	1887.7	1903.5	1906.5	1962.7	2201.4	2818.8
35°	3125.5	3074.2	2789.2	2231.0	2237.9	2349.3	2406.5	2329.6	2141.2	2240.8	2925.3
37.5°	3317.8	3252.8	2915.4	2465.7	2824.7	3074.2	3212.3	3036.8	2683.7	2389.8	3086.1
40°	3551.6	3468.7	3077.2	2899.7	3373.1	3772.5	4018.1	3760.7	3241.9	2761.6	3311.9
42.5°	3878.1	3791.3	3390.8	3325.7	3881.0	4475.7	4796.3	4412.6	3734.1	3241.9	3673.9
45°	4447.1	4363.3	3965.8	3752.8	4475.7	5341.7	5791.4	5257.9	4234.1	3724.2	4350.5
47.5°	5498.5	5399.9	4820.0	4226.2	5154.3	6466.1	7095.3	6318.1	4753.9	4276.5	5486.7
50°	6760.9	6666.3	5892.0	4786.4	5903.9	7668.3	8543.2	7563.8	5352.5	4948.2	6844.8
52.5°	8279.8	8262.1	7421.8	5494.6	6684.0	8950.5	10149.8	8943.6	6008.4	5852.6	8383.4
55°	9648.8	9822.4	9364.7	6574.5	7692.0	10561.1	11801.8	10448.7	6898.0	7347.8	10185.3
57.5°	10386.5	10853.0	11556.2	8777.9	9157.6	12486.3	13840.5	12286.1	8426.8	9837.2	11856.1
60°	9899.3	10427.9	11702.2	10436.8	10611.4	14028.8	15523.1	13830.6	9927.9	11565.1	11761.4
62.5°	9088.6	9563.0	10696.2	9468.3	10836.3	14368.1	15562.5	14099.9	10524.6	10688.3	10624.2
65°	8126.9	8605.3	9805.6	8265.0	10121.2	13562.3	14414.5	13307.9	9452.5	9656.7	9680.3
67.5°	6849.7	7291.6	8513.6	7348.8	9225.7	12379.8	12652.0	12179.6	8704.9	9030.4	8690.1
70°	5117.8	5516.3	6595.3	5971.9	7776.8	10839.2	10619.3	10689.3	7865.6	8189.1	7259.0
72.5°	3497.3	3797.2	4722.3	4692.7	5955.2	8677.3	8370.6	9034.3	6569.6	6998.6	5534.0
75°	2446.0	2679.7	3413.5	3707.4	4501.4	6431.5	5961.1	6761.9	5130.6	5743.1	4037.8
77.5°	1501.1	1656.0	2156.0	2746.8	2895.7	4401.8	3702.5	5088.2	3602.9	4188.7	2693.5
80°	750.6	825.5	1047.4	1727.0	1920.3	2593.9	2044.6	2953.9	2438.1	2593.9	1490.3
82.5°	226.8	250.5	306.7	655.9	995.2	1493.2	1208.2	1716.1	1331.5	1216.1	586.8
85°	60.2	68.1	84.8	194.3	349.1	535.6	408.3	831.4	638.1	448.8	220.9
87.5°	4.9	4.9	3.9	3.9	2.0	0.0	0.0	59.2	119.3	68.1	38.5
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°	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9
2.5°	1882.8	1878.9	1838.4	1808.8	1774.3	1740.8	1706.3	1675.7	1641.2	1606.7	1596.8
5°	2034.7	2007.1	1921.3	1849.3	1778.3	1716.1	1661.9	1605.7	1560.3	1515.9	1499.1
7.5°	2168.8	2120.5	1996.2	1886.8	1788.1	1711.2	1631.3	1549.4	1485.3	1422.2	1406.4
10°	2290.1	2226.0	2069.2	1931.1	1821.7	1733.9	1640.2	1530.7	1438.0	1361.1	1340.4
12.5°	2379.9	2309.9	2132.3	1973.5	1849.3	1750.6	1657.9	1561.3	1463.6	1364.0	1341.3
15°	2450.9	2377.9	2184.6	2006.1	1850.3	1723.0	1633.3	1599.7	1569.2	1471.5	1430.1
17.5°	2508.1	2431.2	2230.0	2025.8	1823.6	1639.2	1561.3	1610.6	1688.5	1627.4	1549.4
20°	2560.4	2482.5	2264.5	2039.6	1764.5	1523.8	1480.4	1585.0	1702.3	1700.3	1630.3
22.5°	2617.6	2541.6	2314.8	2047.5	1681.6	1406.4	1432.1	1547.5	1643.1	1671.7	1628.3
25°	2690.6	2623.5	2384.8	2065.3	1587.9	1325.6	1396.6	1499.1	1579.0	1585.9	1560.3
27.5°	2775.4	2725.1	2489.4	2106.7	1497.2	1284.1	1355.1	1431.1	1504.1	1507.0	1476.5
30°	2868.1	2834.6	2586.0	2141.2	1429.1	1271.3	1301.9	1363.0	1409.4	1417.3	1390.7
32.5°	2986.5	2956.9	2671.8	2118.5	1388.7	1268.4	1252.6	1284.1	1322.6	1322.6	1301.9
35°	3149.2	3107.8	2762.6	2031.7	1339.4	1256.5	1200.3	1209.2	1225.9	1228.9	1217.1
37.5°	3380.0	3311.9	2854.3	1860.1	1258.5	1214.1	1140.1	1129.3	1135.2	1143.1	1140.1
40°	3666.0	3554.6	2988.4	1654.0	1161.8	1132.2	1078.0	1057.3	1052.4	1068.1	1074.1
42.5°	4026.0	3855.4	3132.4	1461.7	1074.1	1038.6	1005.0	987.3	979.4	1006.0	1021.8
45°	4601.0	4319.9	3270.5	1271.3	1024.7	958.7	936.0	923.2	927.1	958.7	978.4
47.5°	5594.2	5029.0	3401.7	1151.0	1020.8	901.5	873.8	876.8	887.7	921.2	944.9
50°	6850.7	5978.8	3489.5	1100.7	1032.6	866.9	830.4	846.2	863.0	895.5	923.2
52.5°	8129.9	6863.5	3384.9	1073.1	1031.6	867.9	790.0	837.4	845.2	877.8	907.4
55°	9009.7	6962.2	2924.3	1030.7	1015.9	907.4	758.4	833.4	838.3	867.9	894.6
57.5°	9345.0	6624.8	2230.0	1042.5	968.5	938.0	744.6	805.8	841.3	866.9	894.6
60°	8939.6	5988.7	1355.1	1073.1	892.6	936.0	753.5	755.5	816.6	860.0	887.7
62.5°	8175.3	5172.1	951.8	986.3	837.4	883.7	774.2	696.3	773.2	825.5	850.2
65°	7299.5	4211.4	725.9	849.2	810.7	802.8	781.1	644.0	714.1	765.4	787.1
67.5°	6387.1	3273.5	589.8	633.2	732.8	725.9	714.1	597.7	644.0	680.5	705.2
70°	5238.1	2290.1	498.1	475.4	628.3	650.9	624.3	539.5	554.3	591.8	611.5
72.5°	3831.7	1427.1	409.3	392.5	505.0	569.1	555.3	475.4	482.3	517.8	533.6
75°	2755.7	816.6	328.4	323.5	385.6	487.2	459.6	409.3	417.2	443.8	454.7
77.5°	1751.6	454.7	253.5	260.4	276.2	363.9	392.5	350.1	350.1	365.9	374.8
80°	938.0	260.4	185.4	188.4	193.3	278.1	309.7	271.2	271.2	260.4	271.2
82.5°	382.7	149.9	127.2	118.4	129.2	190.4	217.0	172.6	180.5	162.7	166.7
85°	126.2	75.0	63.1	62.1	61.1	83.8	104.5	85.8	102.6	65.1	68.1
87.5°	16.8	13.8	7.9	5.9	6.9	3.0	5.9	6.9	6.9	4.9	4.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9
2.5°	1589.9	1582.0	1553.4	1560.3	1555.4	1547.5	1555.4	1540.6	1552.4	1556.3	1581.0
5°	1486.3	1467.6	1440.0	1426.2	1423.2	1415.3	1416.3	1409.4	1411.4	1428.1	1455.7
7.5°	1393.6	1375.9	1354.2	1344.3	1335.4	1326.5	1325.6	1324.6	1332.5	1347.3	1373.9
10°	1326.5	1316.7	1307.8	1311.8	1307.8	1303.9	1297.0	1297.0	1309.8	1336.4	1369.0
12.5°	1326.5	1324.6	1326.5	1338.4	1337.4	1338.4	1329.5	1334.4	1369.9	1415.3	1461.7
15°	1397.6	1381.8	1381.8	1387.7	1385.7	1385.7	1385.7	1406.4	1487.3	1557.3	1606.7
17.5°	1484.4	1438.0	1418.3	1415.3	1414.3	1414.3	1418.3	1462.7	1588.9	1662.9	1691.5
20°	1544.5	1456.7	1424.2	1411.4	1412.4	1414.3	1426.2	1487.3	1626.4	1663.9	1657.0
22.5°	1555.4	1441.9	1402.5	1383.8	1386.7	1388.7	1406.4	1471.5	1575.1	1581.0	1567.2
25°	1505.1	1400.5	1358.1	1343.3	1347.3	1346.3	1362.1	1409.4	1483.4	1481.4	1473.5
27.5°	1430.1	1334.4	1302.9	1293.0	1299.9	1292.0	1297.0	1333.5	1390.7	1388.7	1385.7
30°	1353.2	1270.3	1241.7	1236.8	1245.7	1233.8	1234.8	1265.4	1304.8	1302.9	1301.9
32.5°	1276.2	1206.2	1180.6	1180.6	1189.5	1176.6	1178.6	1205.2	1231.9	1224.0	1224.0
35°	1203.3	1153.9	1133.2	1129.3	1136.2	1127.3	1131.3	1155.9	1165.8	1154.9	1148.0
37.5°	1139.2	1117.5	1096.7	1082.9	1083.9	1084.9	1096.7	1115.5	1109.6	1093.8	1084.9
40°	1080.0	1080.0	1060.3	1034.6	1031.6	1038.6	1058.3	1079.0	1062.2	1044.5	1033.6
42.5°	1037.6	1046.4	1027.7	1002.1	996.1	1008.0	1029.7	1044.5	1024.7	1005.0	990.2
45°	998.1	1019.8	1007.0	978.4	970.5	984.3	1011.9	1017.8	991.2	972.5	961.6
47.5°	970.5	1000.1	991.2	963.6	951.8	971.5	1000.1	999.1	965.6	945.8	937.0
50°	950.8	988.3	987.3	963.6	950.8	975.4	1001.1	988.3	951.8	931.0	922.2
52.5°	935.0	987.3	994.2	980.4	971.5	993.2	1009.0	984.3	941.9	920.2	913.3
55°	928.1	991.2	996.1	983.3	975.4	995.2	1009.0	992.2	941.9	922.2	916.3
57.5°	930.1	986.3	987.3	969.5	955.7	980.4	1002.1	997.1	952.7	930.1	923.2
60°	918.2	959.7	961.6	934.0	918.2	947.8	986.3	983.3	947.8	924.1	911.3
62.5°	878.8	915.3	916.3	890.6	867.9	910.3	952.7	951.8	919.2	895.5	880.7
65°	812.7	851.2	861.0	836.4	818.6	864.0	908.4	906.4	873.8	852.1	837.4
67.5°	730.8	772.3	791.0	774.2	767.3	808.7	850.2	849.2	822.6	801.8	789.0
70°	631.2	665.7	697.3	697.3	692.4	739.7	784.1	780.1	755.5	739.7	729.8
72.5°	548.4	575.0	584.9	594.7	609.5	658.8	696.3	699.3	681.5	673.6	681.5
75°	466.5	483.3	492.2	484.3	509.9	561.2	610.5	615.4	596.7	583.9	586.8
77.5°	383.7	402.4	411.3	393.5	391.6	456.6	516.8	527.7	511.9	492.2	498.1
80°	277.1	301.8	316.6	304.8	300.8	329.4	412.3	424.1	409.3	393.5	402.4
82.5°	169.6	183.4	187.4	199.2	223.9	235.7	265.3	304.8	293.9	280.1	304.8
85°	67.1	79.9	88.8	100.6	117.4	139.1	163.7	195.3	177.5	171.6	202.2
87.5°	3.9	1.0	0.0	2.0	16.8	32.5	70.0	96.7	80.9	86.8	104.5
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°	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9	1728.9
2.5°	1600.7	1626.4	1660.9	1689.5	1726.0	1760.5	1796.0	1831.5	1850.3	1858.2
5°	1487.3	1534.7	1589.9	1651.0	1722.0	1797.0	1872.9	1950.9	2000.2	2004.1
7.5°	1419.3	1487.3	1563.3	1640.2	1728.0	1831.5	1951.8	2072.2	2122.5	2136.3
10°	1441.0	1516.9	1577.1	1649.1	1745.7	1874.9	2016.9	2158.0	2216.2	2232.9
12.5°	1527.7	1542.5	1561.3	1627.4	1745.7	1912.4	2084.0	2251.7	2313.8	2329.6
15°	1599.7	1528.7	1495.2	1565.2	1722.0	1944.9	2155.0	2340.4	2415.4	2430.2
17.5°	1605.7	1483.4	1410.4	1473.5	1680.6	1967.6	2223.1	2439.1	2502.2	2516.0
20°	1545.5	1435.0	1340.4	1378.8	1624.4	1977.5	2272.4	2511.1	2573.2	2587.0
22.5°	1477.4	1395.6	1293.0	1291.0	1556.3	1988.3	2331.6	2579.1	2646.2	2655.1
25°	1413.3	1341.3	1254.5	1226.9	1477.4	2009.1	2411.5	2681.7	2733.0	2735.9
27.5°	1338.4	1283.2	1224.0	1197.3	1408.4	2048.5	2529.8	2804.0	2834.6	2829.6
30°	1270.3	1228.9	1202.3	1194.4	1365.0	2078.1	2642.2	2924.3	2926.3	2909.5
32.5°	1198.3	1182.5	1182.5	1208.2	1329.5	2071.2	2734.0	3041.7	3022.9	2998.3
35°	1134.2	1137.2	1157.9	1218.1	1270.3	2002.1	2821.7	3188.6	3161.0	3125.5
37.5°	1073.1	1095.8	1125.3	1183.5	1192.4	1899.6	2924.3	3396.7	3362.2	3317.8
40°	1020.8	1055.3	1089.8	1118.4	1109.6	1753.6	3067.3	3641.3	3602.9	3551.6
42.5°	979.4	1012.9	1051.4	1054.3	1057.3	1601.7	3219.2	3941.2	3934.3	3878.1
45°	952.7	974.4	1010.9	1006.0	1054.3	1434.1	3359.3	4398.8	4489.5	4447.1
47.5°	935.0	951.8	955.7	976.4	1080.0	1284.1	3539.8	5294.4	5546.8	5498.5
50°	925.1	941.9	897.5	978.4	1083.9	1187.5	3789.3	6418.7	6825.1	6760.9
52.5°	924.1	920.2	853.1	999.1	1062.2	1128.3	3919.5	7239.3	8140.8	8279.8
55°	926.1	876.8	830.4	1005.0	1018.8	1106.6	3483.5	7633.8	9354.9	9648.8
57.5°	908.4	829.5	843.3	981.3	937.0	1164.8	2575.2	7492.8	9840.1	10386.5
60°	874.8	784.1	866.9	917.2	853.1	1065.2	1773.3	6863.5	9337.1	9899.3
62.5°	826.5	752.5	864.0	834.4	822.6	871.9	1219.0	5982.8	8539.2	9088.6
65°	772.3	726.9	817.6	754.5	761.4	670.7	862.0	4988.6	7586.5	8126.9
67.5°	714.1	711.1	749.6	671.7	643.1	531.6	628.3	3998.4	6362.5	6849.7
70°	648.0	669.7	681.5	596.7	521.7	417.2	466.5	2796.1	4693.7	5117.8
72.5°	581.9	583.9	600.6	518.8	390.6	334.3	350.1	1693.4	3188.6	3497.3
75°	514.8	496.1	511.9	422.1	291.0	274.2	270.2	1046.4	2202.4	2446.0
77.5°	442.8	422.1	401.4	317.6	233.7	212.1	207.1	586.8	1351.2	1501.1
80°	360.0	332.4	299.8	232.8	170.6	151.9	150.9	286.0	673.6	750.6
82.5°	280.1	227.8	219.0	145.0	105.5	92.7	98.6	109.5	203.2	226.8
85°	196.3	165.7	116.4	58.2	47.3	38.5	37.5	32.5	54.2	60.2
87.5°	109.5	72.0	37.5	6.9	7.9	8.9	6.9	4.9	4.9	4.9
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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