

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: P632326

Luminaire Tested: GWS-SA2C-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632326
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-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8763.3 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

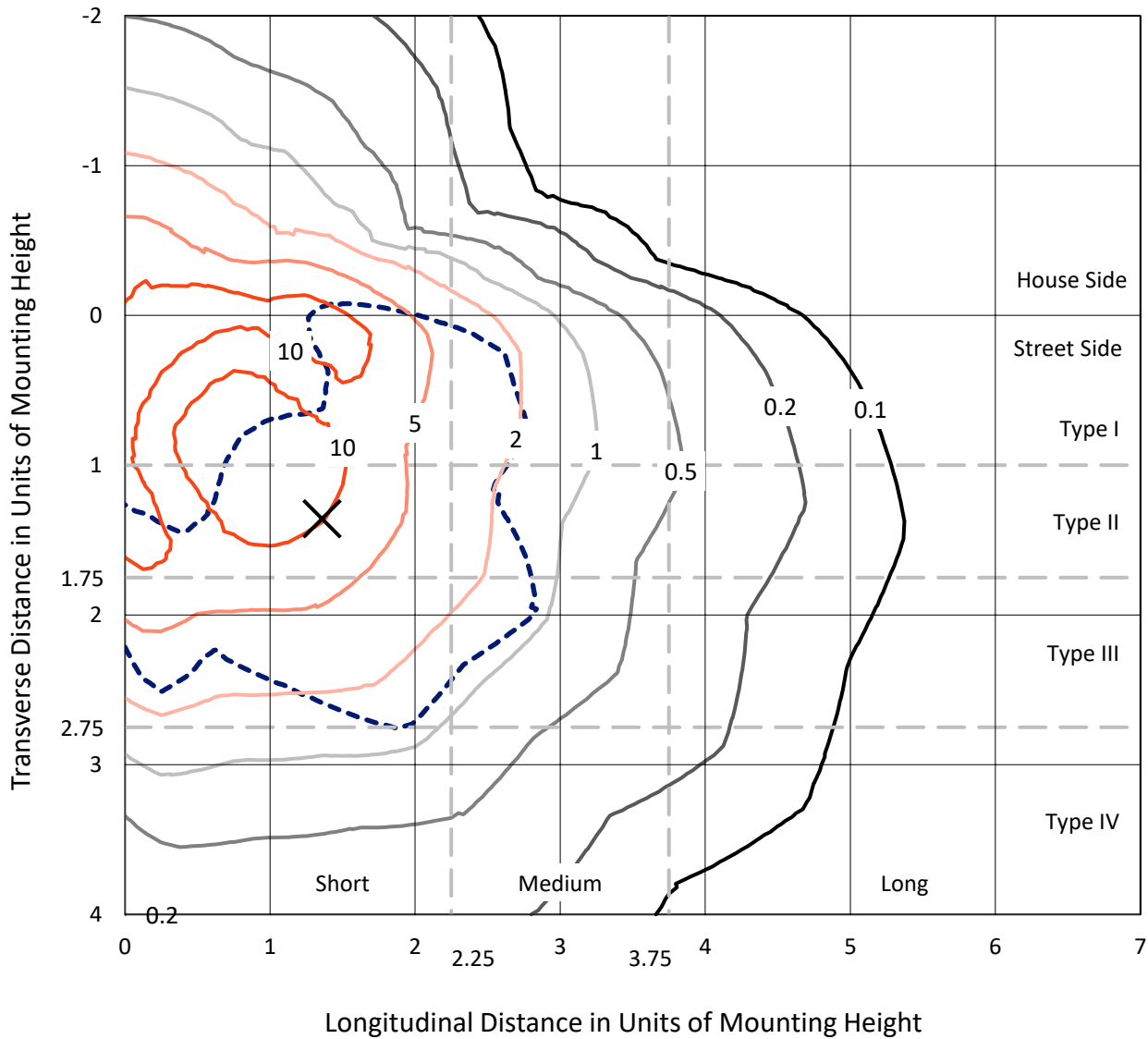
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

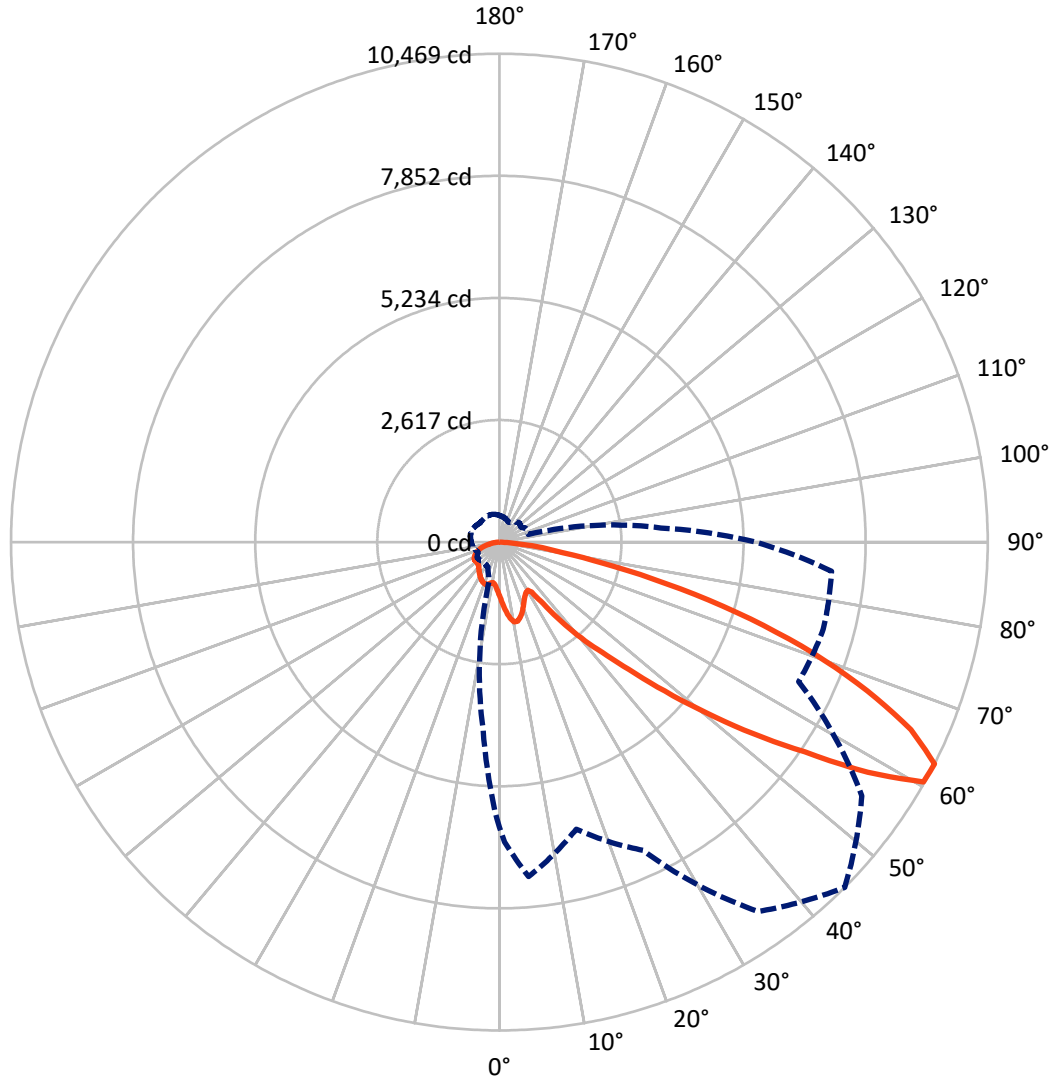
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 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	2091.1	0.0	2091.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6672.2	0.0	6672.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	8763.3	0.0	8763.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.3
10°-20°	356.1	4.1
20°-30°	553.1	6.3
30°-40°	750.9	8.6
40°-50°	1190.2	13.6
50°-60°	2099.4	24.0
60°-70°	2335.9	26.7
70°-80°	1184.7	13.5
80°-90°	179.4	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°	8763.3	100.0
0°-180°	8763.3	100.0

Coefficient of Utilization



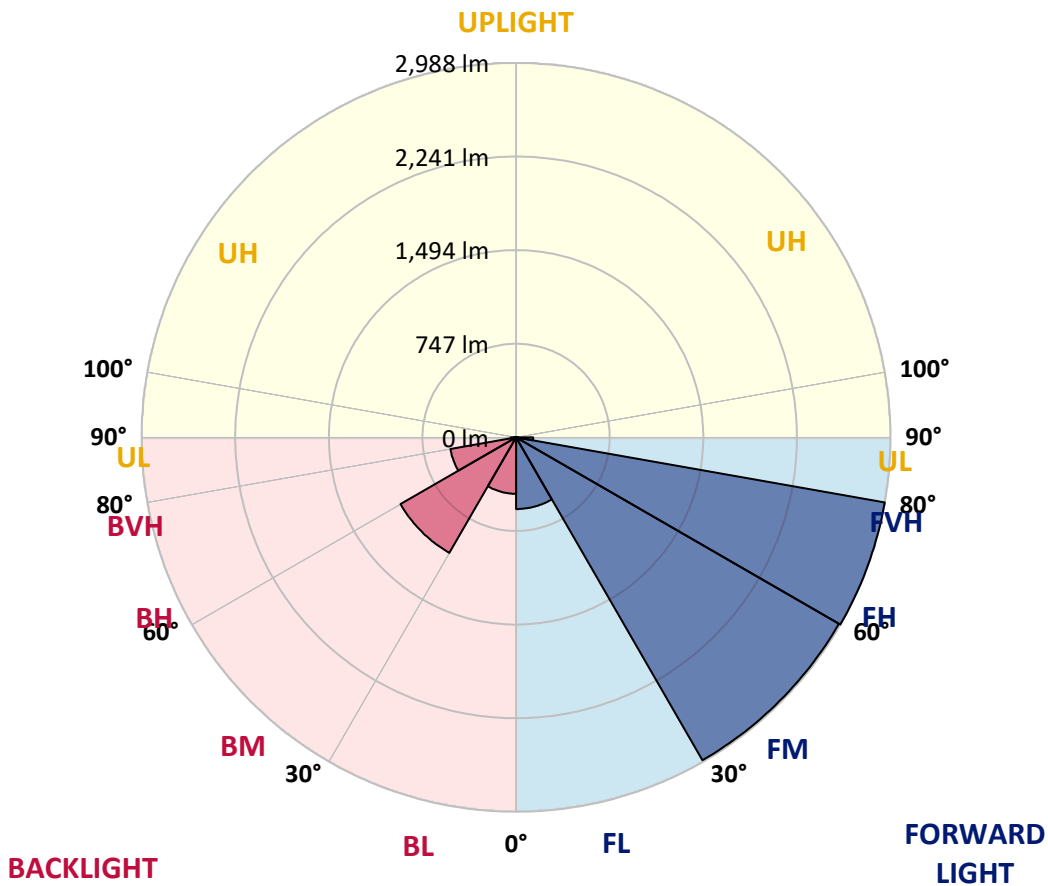
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.2	6.5			
FM (30°-60°)	2975.5	34.0			
FH (60°-80°)	2988.4	34.1			G2/5000
FVH (80°-90°)	136.2	1.6			G2/225
BL (0°-30°)	450.6	5.1	B1/500		
BM (30°-60°)	1065.0	12.2	B2/2500		
BH (60°-80°)	532.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	43.2	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°	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1
2.5°	1250.0	1249.3	1261.9	1281.2	1299.1	1307.0	1320.3	1319.0	1308.4	1294.4	1289.8
5°	1348.2	1350.8	1372.7	1415.2	1462.3	1482.2	1490.8	1487.5	1468.3	1443.7	1400.6
7.5°	1437.1	1441.7	1475.6	1539.3	1597.6	1624.2	1645.4	1641.4	1613.6	1567.8	1504.1
10°	1502.1	1507.4	1547.9	1622.9	1687.9	1711.1	1738.3	1739.6	1715.1	1653.4	1588.4
12.5°	1567.1	1572.4	1610.2	1678.6	1721.0	1721.7	1737.6	1746.3	1747.6	1719.1	1654.0
15°	1634.8	1639.4	1673.9	1712.4	1710.4	1673.3	1673.3	1689.9	1726.4	1746.9	1701.8
17.5°	1692.5	1698.5	1725.0	1712.4	1653.4	1586.4	1578.4	1599.6	1663.3	1742.3	1737.6
20°	1740.3	1744.9	1759.5	1675.9	1568.5	1480.9	1465.6	1490.2	1576.4	1713.8	1764.8
22.5°	1786.1	1788.7	1780.8	1628.2	1476.9	1376.7	1358.1	1384.0	1476.9	1663.3	1788.1
25°	1840.5	1837.8	1800.0	1578.4	1393.3	1294.4	1275.2	1304.4	1401.3	1596.3	1813.3
27.5°	1903.5	1893.6	1816.6	1524.7	1328.9	1233.4	1220.1	1251.3	1341.5	1534.6	1833.2
30°	1957.2	1938.0	1819.2	1476.9	1295.8	1207.5	1199.6	1228.8	1312.4	1492.8	1858.4
32.5°	2017.0	1990.4	1834.5	1464.3	1314.3	1269.9	1280.5	1282.5	1320.3	1480.9	1896.2
35°	2102.5	2068.0	1876.3	1500.8	1505.4	1580.4	1618.9	1567.1	1440.4	1507.4	1967.9
37.5°	2231.9	2188.1	1961.2	1658.7	1900.2	2068.0	2160.9	2042.8	1805.3	1607.6	2076.0
40°	2389.2	2333.4	2070.0	1950.6	2269.1	2537.8	2703.0	2529.8	2180.8	1857.7	2227.9
42.5°	2608.8	2550.4	2281.0	2237.2	2610.8	3010.8	3226.5	2968.4	2511.9	2180.8	2471.4
45°	2991.6	2935.2	2667.8	2524.5	3010.8	3593.4	3895.9	3537.0	2848.3	2505.3	2926.6
47.5°	3698.9	3632.5	3242.4	2843.0	3467.3	4349.7	4773.0	4250.2	3197.9	2876.8	3690.9
50°	4548.1	4484.4	3963.6	3219.8	3971.6	5158.5	5747.0	5088.2	3600.7	3328.6	4604.5
52.5°	5569.9	5557.9	4992.6	3696.2	4496.4	6021.0	6827.8	6016.4	4041.9	3937.1	5639.5
55°	6490.8	6607.5	6299.7	4422.7	5174.4	7104.5	7939.1	7028.8	4640.3	4942.9	6851.7
57.5°	6987.0	7300.9	7773.9	5904.9	6160.4	8399.6	9310.5	8264.9	5668.7	6617.5	7975.6
60°	6659.3	7014.9	7872.1	7020.9	7138.3	9437.2	10442.4	9303.9	6678.5	7779.9	7911.9
62.5°	6113.9	6433.0	7195.4	6369.3	7289.6	9665.5	10468.9	9485.0	7079.9	7190.1	7146.9
65°	5467.0	5788.8	6596.3	5559.9	6808.6	9123.4	9696.7	8952.2	6358.7	6496.1	6512.0
67.5°	4607.8	4905.1	5727.1	4943.5	6206.1	8327.9	8511.0	8193.2	5855.8	6074.8	5845.9
70°	3442.8	3710.8	4436.6	4017.3	5231.5	7291.6	7143.6	7190.7	5291.2	5508.8	4883.2
72.5°	2352.7	2554.4	3176.7	3156.8	4006.1	5837.2	5630.9	6077.4	4419.4	4708.0	3722.7
75°	1645.4	1802.7	2296.3	2494.0	3028.1	4326.5	4010.0	4548.8	3451.4	3863.4	2716.3
77.5°	1009.8	1114.0	1450.4	1847.8	1948.0	2961.1	2490.7	3422.9	2423.7	2817.8	1811.9
80°	504.9	555.3	704.6	1161.7	1291.8	1744.9	1375.4	1987.1	1640.1	1744.9	1002.5
82.5°	152.6	168.5	206.3	441.2	669.4	1004.5	812.8	1154.4	895.7	818.1	394.8
85°	40.5	45.8	57.1	130.7	234.9	360.3	274.7	559.3	429.3	301.9	148.6
87.5°	3.3	3.3	2.7	2.7	1.3	0.0	0.0	39.8	80.3	45.8	25.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1
2.5°	1266.6	1263.9	1236.7	1216.8	1193.6	1171.0	1147.8	1127.2	1104.0	1080.8	1074.2
5°	1368.7	1350.2	1292.4	1244.0	1196.2	1154.4	1118.0	1080.1	1049.6	1019.8	1008.5
7.5°	1459.0	1426.5	1342.9	1269.2	1202.9	1151.1	1097.4	1042.3	999.2	956.7	946.1
10°	1540.6	1497.5	1392.0	1299.1	1225.4	1166.4	1103.4	1029.7	967.3	915.6	901.7
12.5°	1601.0	1553.9	1434.4	1327.6	1244.0	1177.7	1115.3	1050.3	984.6	917.6	902.3
15°	1648.7	1599.6	1469.6	1349.5	1244.7	1159.1	1098.7	1076.2	1055.6	989.9	962.0
17.5°	1687.2	1635.5	1500.1	1362.8	1226.8	1102.7	1050.3	1083.5	1135.9	1094.7	1042.3
20°	1722.4	1670.0	1523.3	1372.1	1187.0	1025.1	995.9	1066.2	1145.2	1143.8	1096.7
22.5°	1760.9	1709.8	1557.2	1377.4	1131.2	946.1	963.4	1041.0	1105.3	1124.6	1095.4
25°	1810.0	1764.8	1604.3	1389.3	1068.2	891.7	939.5	1008.5	1062.2	1066.9	1049.6
27.5°	1867.0	1833.2	1674.6	1417.2	1007.2	863.8	911.6	962.7	1011.8	1013.8	993.2
30°	1929.4	1906.8	1739.6	1440.4	961.4	855.2	875.8	916.9	948.1	953.4	935.5
32.5°	2009.0	1989.1	1797.3	1425.1	934.2	853.2	842.6	863.8	889.7	889.7	875.8
35°	2118.5	2090.6	1858.4	1366.8	901.0	845.3	807.4	813.4	824.7	826.7	818.7
37.5°	2273.7	2227.9	1920.1	1251.3	846.6	816.7	767.0	759.7	763.7	769.0	767.0
40°	2466.1	2391.2	2010.3	1112.6	781.6	761.7	725.2	711.2	707.9	718.5	722.5
42.5°	2708.3	2593.5	2107.2	983.3	722.5	698.6	676.1	664.1	658.8	676.7	687.4
45°	3095.1	2906.0	2200.1	855.2	689.3	644.9	629.6	621.0	623.7	644.9	658.2
47.5°	3763.2	3383.1	2288.3	774.3	686.7	606.4	587.8	589.8	597.1	619.7	635.6
50°	4608.5	4022.0	2347.4	740.4	694.7	583.2	558.6	569.3	580.5	602.4	621.0
52.5°	5469.0	4617.1	2277.0	721.9	694.0	583.9	531.4	563.3	568.6	590.5	610.4
55°	6060.8	4683.5	1967.2	693.3	683.4	610.4	510.2	560.6	564.0	583.9	601.8
57.5°	6286.4	4456.6	1500.1	701.3	651.5	631.0	500.9	542.1	565.9	583.2	601.8
60°	6013.7	4028.6	911.6	721.9	600.4	629.6	506.9	508.2	549.4	578.5	597.1
62.5°	5499.5	3479.3	640.3	663.5	563.3	594.5	520.8	468.4	520.2	555.3	571.9
65°	4910.4	2833.0	488.3	571.3	545.4	540.1	525.5	433.2	480.4	514.9	529.5
67.5°	4296.7	2202.1	396.8	425.9	493.0	488.3	480.4	402.1	433.2	457.8	474.4
70°	3523.7	1540.6	335.1	319.8	422.6	437.9	420.0	362.9	372.9	398.1	411.4
72.5°	2577.6	960.0	275.3	264.1	339.7	382.8	373.5	319.8	324.4	348.3	358.9
75°	1853.7	549.4	220.9	217.6	259.4	327.8	309.2	275.3	280.6	298.6	305.9
77.5°	1178.3	305.9	170.5	175.2	185.8	244.8	264.1	235.5	235.5	246.1	252.1
80°	631.0	175.2	124.7	126.7	130.0	187.1	208.3	182.5	182.5	175.2	182.5
82.5°	257.4	100.8	85.6	79.6	86.9	128.1	146.0	116.1	121.4	109.5	112.1
85°	84.9	50.4	42.5	41.8	41.1	56.4	70.3	57.7	69.0	43.8	45.8
87.5°	11.3	9.3	5.3	4.0	4.6	2.0	4.0	4.6	4.6	3.3	3.3
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°	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1
2.5°	1069.5	1064.2	1045.0	1049.6	1046.3	1041.0	1046.3	1036.3	1044.3	1047.0	1063.5
5°	999.9	987.2	968.7	959.4	957.4	952.1	952.7	948.1	949.4	960.7	979.3
7.5°	937.5	925.5	910.9	904.3	898.3	892.4	891.7	891.0	896.4	906.3	924.2
10°	892.4	885.7	879.8	882.4	879.8	877.1	872.5	872.5	881.1	899.0	920.9
12.5°	892.4	891.0	892.4	900.3	899.7	900.3	894.4	897.7	921.6	952.1	983.3
15°	940.1	929.5	929.5	933.5	932.2	932.2	932.2	946.1	1000.5	1047.6	1080.8
17.5°	998.5	967.3	954.1	952.1	951.4	951.4	954.1	983.9	1068.9	1118.6	1137.9
20°	1039.0	980.0	958.1	949.4	950.1	951.4	959.4	1000.5	1094.1	1119.3	1114.6
22.5°	1046.3	970.0	943.5	930.9	932.8	934.2	946.1	989.9	1059.6	1063.5	1054.3
25°	1012.5	942.1	913.6	903.7	906.3	905.6	916.3	948.1	997.9	996.5	991.2
27.5°	962.0	897.7	876.4	869.8	874.5	869.2	872.5	897.0	935.5	934.2	932.2
30°	910.3	854.6	835.3	832.0	838.0	830.0	830.7	851.2	877.8	876.4	875.8
32.5°	858.5	811.4	794.2	794.2	800.1	791.5	792.9	810.8	828.7	823.4	823.4
35°	809.4	776.3	762.3	759.7	764.3	758.4	761.0	777.6	784.2	776.9	772.3
37.5°	766.3	751.7	737.8	728.5	729.2	729.8	737.8	750.4	746.4	735.8	729.8
40°	726.5	726.5	713.2	696.0	694.0	698.6	711.9	725.8	714.6	702.6	695.3
42.5°	698.0	703.9	691.3	674.1	670.1	678.1	692.7	702.6	689.3	676.1	666.1
45°	671.4	686.0	677.4	658.2	652.9	662.1	680.7	684.7	666.8	654.2	646.9
47.5°	652.9	672.8	666.8	648.2	640.3	653.5	672.8	672.1	649.5	636.3	630.3
50°	639.6	664.8	664.1	648.2	639.6	656.2	673.4	664.8	640.3	626.3	620.3
52.5°	629.0	664.1	668.8	659.5	653.5	668.1	678.7	662.1	633.6	619.0	614.4
55°	624.3	666.8	670.1	661.5	656.2	669.4	678.7	667.5	633.6	620.3	616.4
57.5°	625.7	663.5	664.1	652.2	642.9	659.5	674.1	670.8	640.9	625.7	621.0
60°	617.7	645.6	646.9	628.3	617.7	637.6	663.5	661.5	637.6	621.7	613.0
62.5°	591.2	615.7	616.4	599.1	583.9	612.4	640.9	640.3	618.4	602.4	592.5
65°	546.7	572.6	579.2	562.6	550.7	581.2	611.1	609.7	587.8	573.2	563.3
67.5°	491.6	519.5	532.1	520.8	516.2	544.0	571.9	571.3	553.3	539.4	530.8
70°	424.6	447.8	469.1	469.1	465.8	497.6	527.5	524.8	508.2	497.6	491.0
72.5°	368.9	386.8	393.4	400.1	410.0	443.2	468.4	470.4	458.5	453.2	458.5
75°	313.8	325.1	331.1	325.8	343.0	377.5	410.7	414.0	401.4	392.8	394.8
77.5°	258.1	270.7	276.7	264.7	263.4	307.2	347.7	355.0	344.3	331.1	335.1
80°	186.4	203.0	213.0	205.0	202.4	221.6	277.3	285.3	275.3	264.7	270.7
82.5°	114.1	123.4	126.1	134.0	150.6	158.6	178.5	205.0	197.7	188.4	205.0
85°	45.1	53.7	59.7	67.7	79.0	93.5	110.1	131.4	119.4	115.4	136.0
87.5°	2.7	0.7	0.0	1.3	11.3	21.9	47.1	65.0	54.4	58.4	70.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1	1163.1
2.5°	1076.8	1094.1	1117.3	1136.5	1161.1	1184.3	1208.2	1232.1	1244.7	1250.0
5°	1000.5	1032.4	1069.5	1110.7	1158.4	1208.8	1259.9	1312.4	1345.5	1348.2
7.5°	954.7	1000.5	1051.6	1103.4	1162.4	1232.1	1313.0	1394.0	1427.8	1437.1
10°	969.3	1020.4	1060.9	1109.3	1174.3	1261.3	1356.8	1451.7	1490.8	1502.1
12.5°	1027.7	1037.7	1050.3	1094.7	1174.3	1286.5	1401.9	1514.7	1556.5	1567.1
15°	1076.2	1028.4	1005.8	1052.9	1158.4	1308.4	1449.7	1574.4	1624.8	1634.8
17.5°	1080.1	997.9	948.8	991.2	1130.6	1323.6	1495.5	1640.8	1683.2	1692.5
20°	1039.7	965.4	901.7	927.5	1092.7	1330.3	1528.6	1689.2	1731.0	1740.3
22.5°	993.9	938.8	869.8	868.5	1047.0	1337.6	1568.5	1735.0	1780.1	1786.1
25°	950.8	902.3	843.9	825.4	993.9	1351.5	1622.2	1804.0	1838.5	1840.5
27.5°	900.3	863.2	823.4	805.5	947.4	1378.0	1701.8	1886.3	1906.8	1903.5
30°	854.6	826.7	808.8	803.5	918.2	1397.9	1777.4	1967.2	1968.5	1957.2
32.5°	806.1	795.5	795.5	812.8	894.4	1393.3	1839.1	2046.2	2033.5	2017.0
35°	763.0	765.0	778.9	819.4	854.6	1346.9	1898.2	2145.0	2126.4	2102.5
37.5°	721.9	737.1	757.0	796.2	802.1	1277.8	1967.2	2285.0	2261.8	2231.9
40°	686.7	709.9	733.1	752.4	746.4	1179.7	2063.4	2449.5	2423.7	2389.2
42.5°	658.8	681.4	707.3	709.3	711.2	1077.5	2165.6	2651.2	2646.6	2608.8
45°	640.9	655.5	680.1	676.7	709.3	964.7	2259.8	2959.1	3020.1	2991.6
47.5°	629.0	640.3	642.9	656.8	726.5	863.8	2381.2	3561.5	3731.4	3698.9
50°	622.3	633.6	603.8	658.2	729.2	798.8	2549.1	4317.9	4591.2	4548.1
52.5°	621.7	619.0	573.9	672.1	714.6	759.0	2636.6	4869.9	5476.3	5569.9
55°	623.0	589.8	558.6	676.1	685.4	744.4	2343.4	5135.3	6293.0	6490.8
57.5°	611.1	558.0	567.3	660.2	630.3	783.6	1732.3	5040.4	6619.5	6987.0
60°	588.5	527.5	583.2	617.0	573.9	716.6	1192.9	4617.1	6281.1	6659.3
62.5°	556.0	506.2	581.2	561.3	553.3	586.5	820.1	4024.6	5744.4	6113.9
65°	519.5	489.0	550.0	507.6	512.2	451.2	579.9	3355.8	5103.4	5467.0
67.5°	480.4	478.4	504.2	451.8	432.6	357.6	422.6	2689.7	4280.1	4607.8
70°	435.9	450.5	458.5	401.4	351.0	280.6	313.8	1880.9	3157.5	3442.8
72.5°	391.4	392.8	404.1	349.0	262.7	224.9	235.5	1139.2	2145.0	2352.7
75°	346.3	333.7	344.3	284.0	195.7	184.4	181.8	703.9	1481.5	1645.4
77.5°	297.9	284.0	270.0	213.6	157.2	142.6	139.3	394.8	909.0	1009.8
80°	242.2	223.6	201.7	156.6	114.8	102.2	101.5	192.4	453.2	504.9
82.5°	188.4	153.3	147.3	97.5	71.0	62.4	66.3	73.6	136.7	152.6
85°	132.0	111.5	78.3	39.1	31.8	25.9	25.2	21.9	36.5	40.5
87.5°	73.6	48.4	25.2	4.6	5.3	6.0	4.6	3.3	3.3	3.3
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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