

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: P631112

Luminaire Tested: GWS-SA1F-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631112
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-SA1F-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5816.3 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

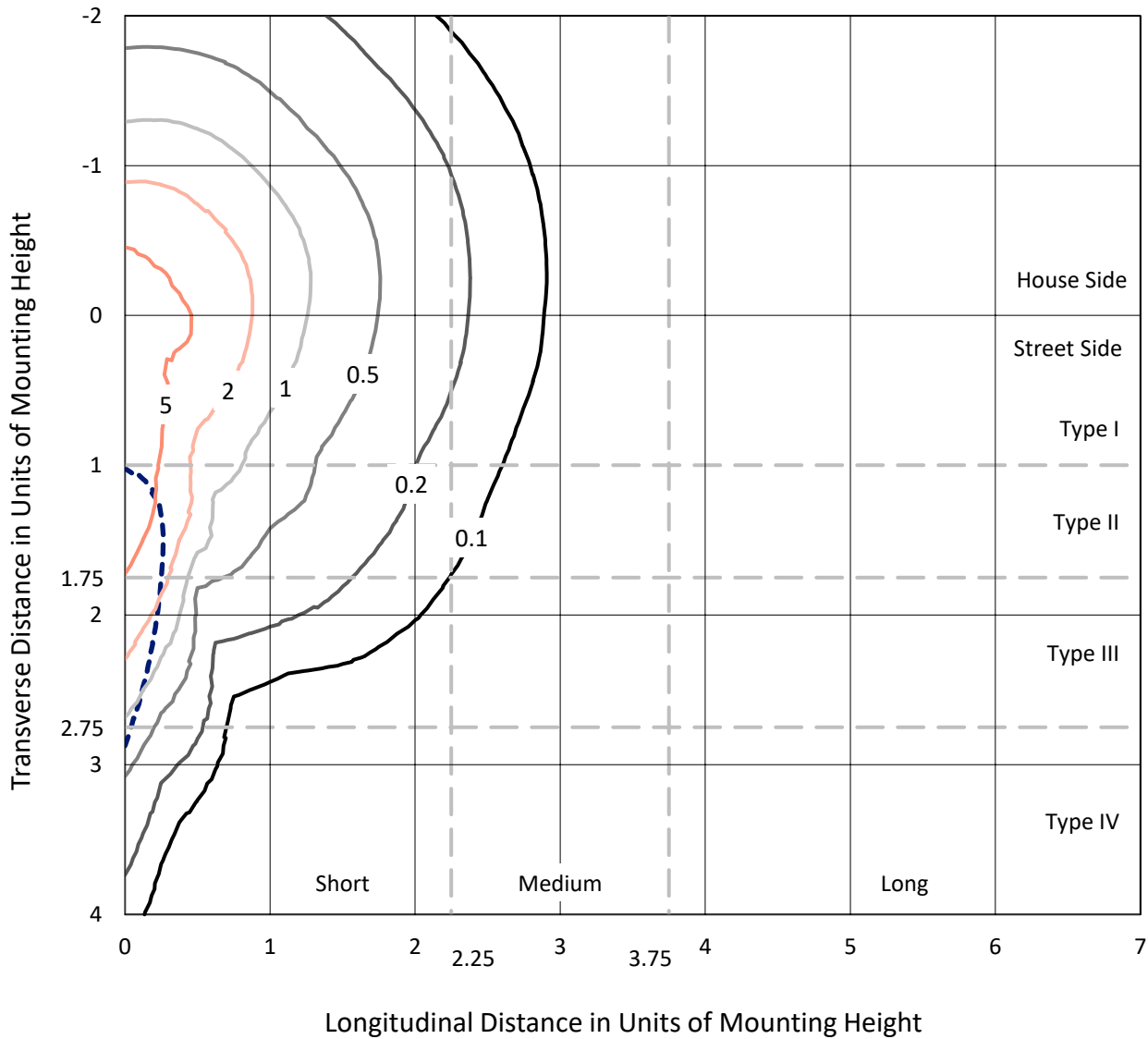
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

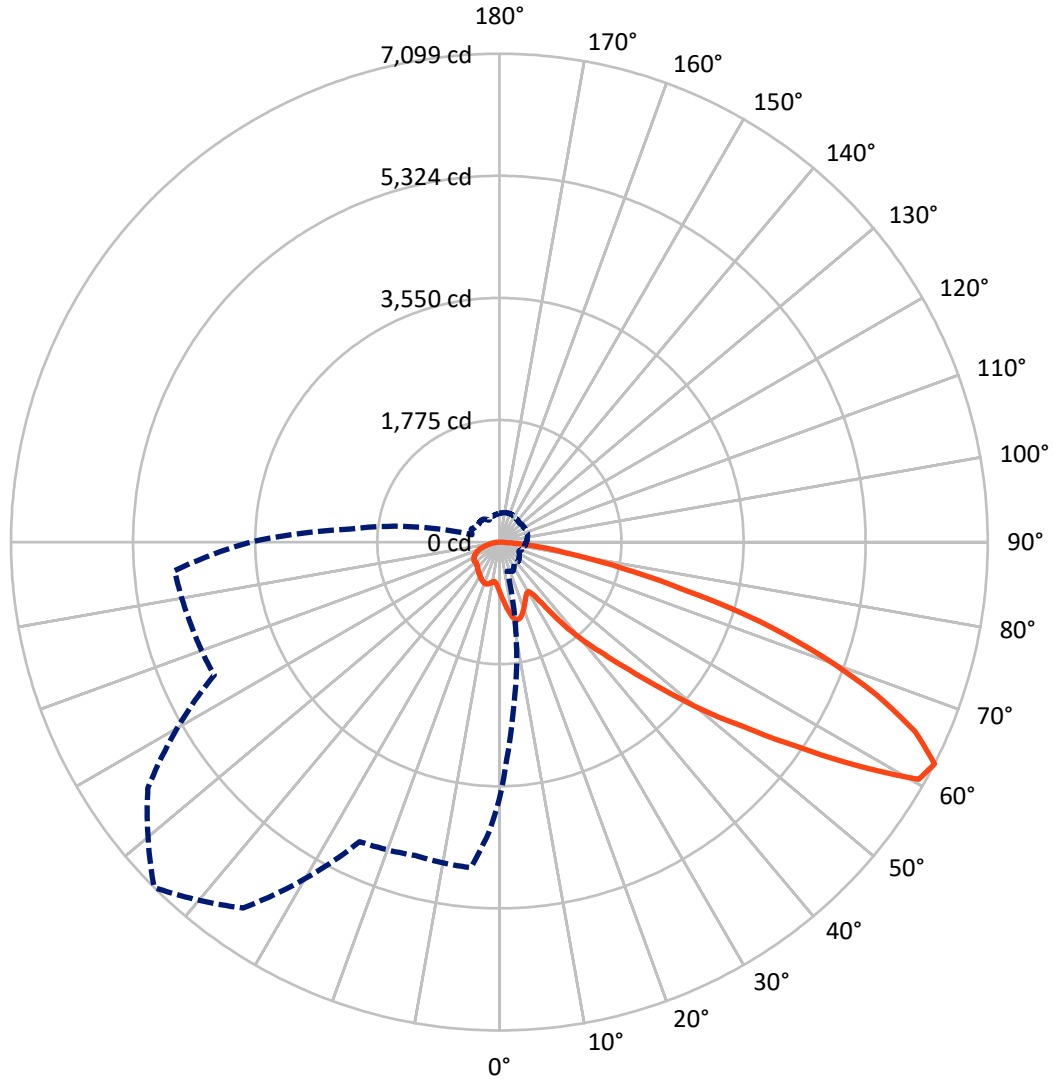
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 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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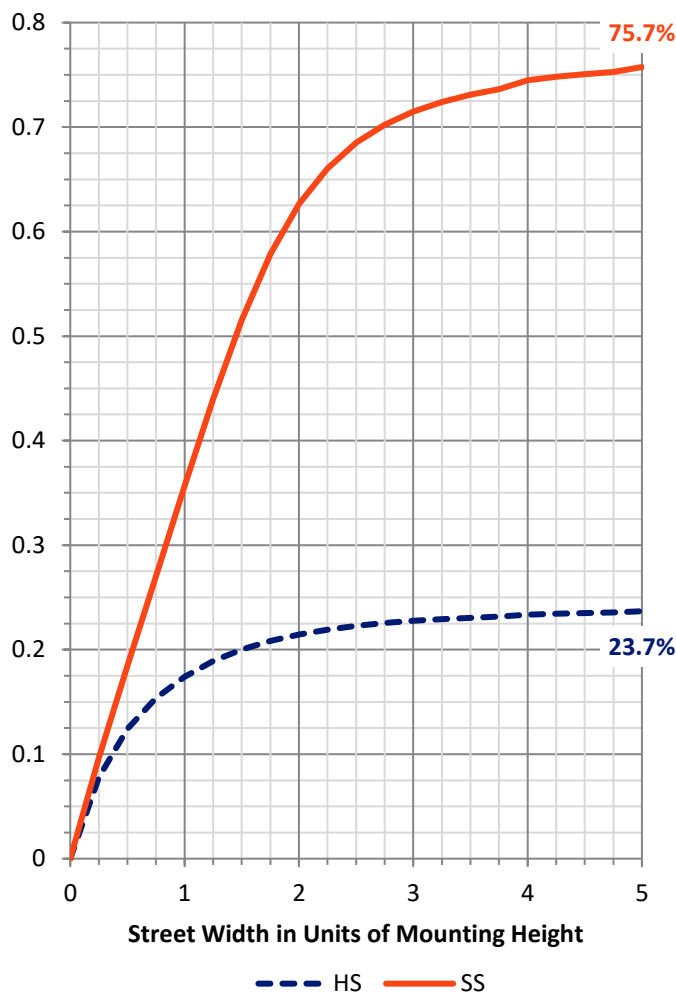
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.7	0.0	1390.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4425.6	0.0	4425.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	5816.3	0.0	5816.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.2
10°-20°	232.2	4.0
20°-30°	365.5	6.3
30°-40°	501.0	8.6
40°-50°	781.7	13.4
50°-60°	1347.8	23.2
60°-70°	1561.9	26.9
70°-80°	824.5	14.2
80°-90°	130.2	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°	5816.3	100.0
0°-180°	5816.3	100.0

Coefficient of Utilization



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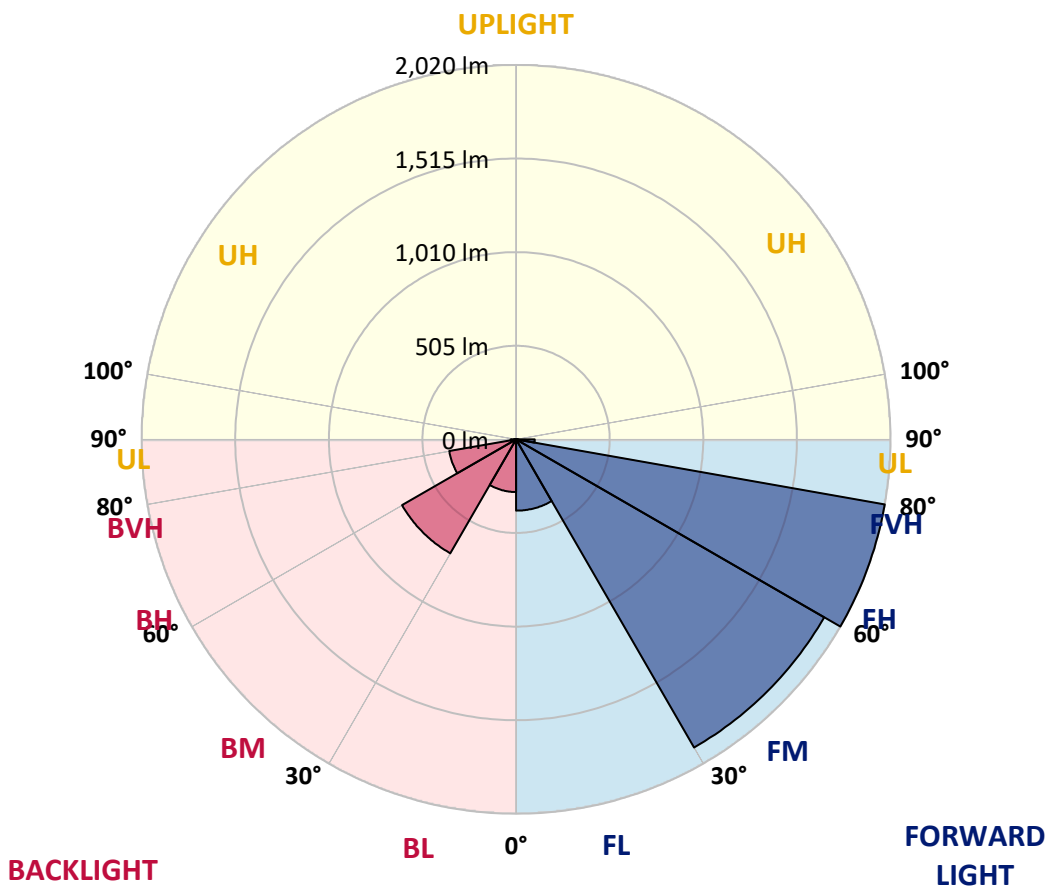
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.7	6.6			
FM (30°-60°)	1920.2	33.0			
FH (60°-80°)	2020.2	34.7			G2/5000
FVH (80°-90°)	100.5	1.7			G2/225
BL (0°-30°)	284.4	4.9	B1/500		
BM (30°-60°)	710.4	12.2	B1/1000		
BH (60°-80°)	366.2	6.3	B1/500		G1/500
BVH (80°-90°)	29.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2
2.5°	787.9	784.8	780.3	765.2	755.9	745.2	734.1	721.2	706.5	696.3	686.0
5°	854.6	849.7	839.1	803.0	778.1	751.0	728.3	702.5	677.1	659.8	642.4
7.5°	918.7	912.5	896.0	840.8	800.4	761.2	727.0	689.6	651.8	626.0	605.5
10°	982.8	969.9	949.0	876.9	823.5	778.1	739.0	693.1	642.9	607.7	585.9
12.5°	1031.7	1019.7	997.0	909.8	846.6	789.7	745.6	703.4	660.7	623.3	601.0
15°	1077.5	1062.0	1036.2	940.5	865.8	789.2	732.3	695.4	689.1	679.8	650.9
17.5°	1110.4	1096.2	1069.5	965.4	876.4	775.4	695.4	673.6	701.6	730.1	702.5
20°	1139.4	1122.9	1095.8	982.8	878.7	744.7	650.4	650.9	694.9	734.1	727.4
22.5°	1163.8	1145.6	1121.6	1002.3	877.8	702.0	611.3	638.0	682.0	712.7	713.6
25°	1194.1	1179.0	1158.9	1031.3	877.8	658.4	582.8	622.4	660.2	686.0	685.1
27.5°	1231.0	1220.8	1204.3	1075.3	885.8	622.0	566.8	602.4	632.2	654.4	654.0
30°	1272.4	1263.0	1250.6	1122.0	899.6	594.8	557.9	577.5	599.3	617.1	617.1
32.5°	1314.7	1311.1	1297.7	1159.4	888.9	586.4	550.3	552.6	564.1	578.8	577.5
35°	1373.4	1369.8	1352.9	1188.3	842.6	574.4	538.3	527.2	528.5	537.9	541.0
37.5°	1459.2	1453.9	1429.0	1222.1	772.8	544.1	518.7	500.5	496.5	500.5	506.3
40°	1562.9	1554.9	1521.1	1267.9	692.3	503.2	488.0	472.9	466.2	467.6	474.3
42.5°	1692.8	1675.9	1627.4	1316.4	612.6	467.1	453.8	444.4	436.9	436.0	448.9
45°	1903.7	1857.4	1780.5	1359.6	545.4	448.0	423.1	416.4	410.2	413.7	428.9
47.5°	2272.1	2186.6	2036.7	1396.5	504.5	448.5	398.6	391.5	391.1	398.2	415.1
50°	2778.3	2655.1	2423.8	1421.4	483.2	453.8	383.9	372.4	380.8	387.9	404.0
52.5°	3263.3	3075.1	2799.7	1421.0	473.8	454.7	387.9	354.6	380.8	382.6	397.7
55°	3677.5	3336.7	2901.1	1275.1	460.5	451.1	403.5	340.8	375.9	382.6	394.6
57.5°	4006.7	3503.1	2893.6	1029.9	500.9	431.5	412.9	337.7	361.7	383.5	397.3
60°	3970.2	3427.0	2707.2	632.2	496.9	396.8	411.5	343.5	337.7	371.5	394.2
62.5°	3727.7	3154.3	2386.4	438.7	466.7	376.8	389.7	353.7	315.4	354.1	379.0
65°	3388.3	2802.4	1988.7	336.3	386.6	377.7	352.8	346.6	295.9	326.5	353.2
67.5°	2939.4	2365.9	1570.0	266.5	269.6	327.0	320.3	307.9	277.6	302.1	326.1
70°	2209.8	1726.6	1080.2	214.4	204.2	273.2	287.8	276.7	259.8	266.9	292.3
72.5°	1557.1	1127.4	591.7	169.9	157.5	210.0	250.0	248.2	229.6	234.9	259.8
75°	1157.2	797.7	369.7	134.4	128.1	150.4	209.5	214.9	199.3	205.5	224.7
77.5°	770.1	516.5	205.5	99.7	99.7	109.9	156.2	181.1	169.5	174.4	187.7
80°	424.9	262.9	102.8	65.4	67.2	75.6	113.9	130.4	130.8	142.8	146.4
82.5°	134.4	83.6	45.8	38.3	36.0	43.2	73.4	93.4	87.2	111.2	102.3
85°	30.7	19.6	8.5	8.5	9.3	14.2	28.0	49.8	63.6	76.5	55.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	19.6	28.9	25.8
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°	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2
2.5°	679.8	670.9	668.2	660.7	659.8	652.7	650.0	650.0	653.1	653.1	656.2
5°	635.3	624.2	618.0	609.1	606.8	601.5	597.9	598.4	602.4	605.1	610.4
7.5°	596.2	588.6	584.1	580.1	579.2	578.4	574.4	573.9	575.2	579.2	583.3
10°	579.7	574.4	575.7	578.8	583.7	586.4	582.8	581.0	579.7	582.4	585.9
12.5°	595.7	590.4	593.0	598.4	605.1	607.7	606.4	605.9	607.3	617.5	625.1
15°	630.9	620.6	617.1	619.3	624.6	627.3	626.0	627.7	636.2	662.9	682.0
17.5°	674.5	649.5	635.3	631.3	633.5	635.7	635.7	640.2	654.9	694.0	718.1
20°	698.0	665.6	641.5	631.7	632.6	634.9	634.9	641.1	657.5	699.4	714.9
22.5°	691.8	662.0	632.6	622.0	622.4	624.2	624.2	629.5	644.2	681.1	688.2
25°	667.3	641.1	612.2	602.8	603.7	606.8	605.9	609.1	620.2	650.4	654.4
27.5°	638.0	614.8	586.4	579.2	583.3	589.5	584.1	584.6	594.8	620.2	620.6
30°	606.4	587.3	561.9	556.6	564.1	567.2	562.3	562.3	572.6	589.9	589.5
32.5°	572.1	560.1	541.9	536.1	544.5	549.4	543.2	544.1	552.1	563.7	559.2
35°	540.1	533.9	525.4	521.4	526.8	531.2	527.2	529.0	536.5	539.7	533.4
37.5°	509.4	508.5	509.4	509.4	510.7	512.1	509.4	513.8	520.5	516.5	509.4
40°	482.7	486.3	494.7	492.5	491.2	492.5	490.7	498.3	505.0	497.8	489.4
42.5°	460.5	467.1	480.0	480.0	477.4	478.3	477.4	486.7	491.6	481.8	472.5
45°	441.3	451.1	467.6	469.8	465.4	465.4	467.1	478.7	480.5	467.1	457.3
47.5°	428.0	440.0	458.7	462.7	456.0	455.6	460.5	472.9	472.9	457.3	446.2
50°	418.6	432.0	454.2	459.6	452.9	451.1	459.1	471.1	468.5	449.8	438.7
52.5°	412.4	426.2	453.8	461.4	456.9	455.1	463.1	471.6	464.9	444.9	433.3
55°	408.4	423.5	455.1	461.4	456.5	453.3	461.4	468.9	465.4	442.2	431.1
57.5°	410.6	425.8	453.3	456.5	450.7	445.3	454.7	465.4	464.0	443.1	432.0
60°	407.1	420.9	443.6	444.4	434.7	426.2	440.0	456.0	456.0	440.0	430.2
62.5°	390.6	404.4	424.4	425.3	414.2	404.9	420.9	440.0	439.6	426.7	416.4
65°	363.5	376.4	399.1	401.3	390.2	380.4	396.8	414.6	416.0	404.4	395.5
67.5°	333.7	345.2	362.1	371.0	361.7	351.5	366.6	383.5	383.1	369.3	359.9
70°	298.1	308.8	324.3	331.9	326.1	316.3	330.1	339.0	335.0	328.3	322.1
72.5°	262.9	273.2	287.8	287.8	281.6	272.3	276.3	292.3	297.2	292.3	288.3
75°	226.0	234.9	245.1	247.4	233.6	216.7	235.3	249.1	254.9	252.7	247.8
77.5°	188.2	194.9	210.0	206.0	180.2	171.3	186.4	206.9	210.9	209.5	202.9
80°	145.0	149.0	165.1	157.0	137.0	131.2	137.9	153.9	154.8	150.4	141.9
82.5°	97.4	102.8	113.4	97.9	97.4	92.1	86.8	88.5	96.5	95.7	89.9
85°	49.8	52.5	62.7	58.7	50.3	43.6	41.4	44.0	39.6	36.0	31.1
87.5°	20.9	22.7	31.1	17.4	5.3	0.0	0.0	2.7	4.0	5.8	6.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2
2.5°	663.3	668.2	680.2	695.4	710.0	725.2	741.6	751.9	764.3	780.3	780.8
5°	617.1	628.2	645.5	668.7	692.7	720.3	752.3	779.0	811.0	836.4	846.6
7.5°	588.6	604.6	626.4	655.8	687.4	721.6	763.4	808.4	860.9	894.7	914.7
10°	591.3	615.7	637.5	662.4	690.9	727.8	781.7	841.3	905.8	950.3	975.2
12.5°	638.9	664.7	660.7	659.3	678.5	723.4	796.4	874.7	953.4	997.9	1027.7
15°	698.9	708.7	670.9	642.4	654.0	707.4	804.4	904.5	993.0	1047.3	1076.6
17.5°	729.6	710.0	664.2	621.5	618.4	682.9	808.4	934.7	1037.5	1091.8	1122.9
20°	715.4	686.9	648.2	607.7	585.5	649.5	806.1	958.7	1078.0	1138.5	1163.8
22.5°	684.7	659.8	629.5	590.8	558.8	613.1	800.4	982.8	1114.0	1175.0	1197.2
25°	651.3	632.6	607.7	573.9	543.7	581.0	796.4	1014.8	1155.4	1213.7	1227.9
27.5°	618.0	604.2	583.7	557.4	540.1	558.8	797.7	1056.6	1208.8	1263.9	1258.2
30°	585.0	573.0	558.8	547.2	539.7	553.4	794.1	1101.1	1267.5	1318.7	1284.4
32.5°	553.9	542.8	533.9	535.6	540.1	555.7	775.9	1141.6	1321.3	1364.9	1312.9
35°	527.2	515.6	515.6	521.9	538.3	548.1	728.7	1173.2	1380.9	1424.5	1353.4
37.5°	502.3	492.0	498.7	509.0	524.5	527.6	668.2	1203.9	1467.7	1508.6	1416.1
40°	480.5	470.2	482.3	495.2	503.2	501.8	606.8	1246.6	1570.0	1612.3	1499.3
42.5°	463.1	453.8	464.5	480.9	482.3	483.6	561.9	1287.5	1688.8	1742.6	1642.5
45°	448.9	442.2	447.6	464.0	464.0	484.5	533.9	1321.8	1867.7	1962.9	1905.5
47.5°	437.8	433.8	436.4	441.8	450.7	500.5	516.1	1348.0	2193.3	2380.2	2322.3
50°	431.5	427.5	431.1	420.0	446.7	508.5	510.3	1368.0	2622.6	2915.4	2843.7
52.5°	426.2	424.9	427.1	401.3	455.6	503.2	505.8	1341.3	2910.5	3442.1	3512.9
55°	424.4	425.3	414.6	387.5	466.2	485.4	492.5	1150.5	2988.8	3896.4	4335.5
57.5°	425.3	422.6	395.5	388.8	466.7	449.8	511.6	820.8	2874.9	4093.9	5140.3
60°	422.2	408.9	372.4	400.8	446.2	408.0	497.8	535.2	2574.6	3942.2	5187.0
62.5°	408.4	388.8	352.4	407.5	409.7	383.1	452.0	412.4	2174.2	3617.4	4736.8
65°	388.4	362.1	335.4	393.7	372.8	371.5	339.9	330.6	1748.4	3230.8	4309.7
67.5°	355.5	329.2	323.0	362.1	335.4	329.2	273.2	274.1	1395.2	2818.8	3880.3
70°	318.1	291.8	296.7	327.4	298.5	273.6	221.1	228.2	1058.4	2348.6	3301.5
72.5°	293.6	258.5	258.9	288.3	262.5	221.6	182.0	188.2	671.8	1770.2	2624.9
75°	247.8	227.8	218.0	233.6	222.9	172.6	153.0	151.7	398.2	1268.8	1965.5
77.5°	206.9	191.3	186.4	192.6	166.4	127.7	123.2	121.0	225.6	812.8	1288.0
80°	149.9	145.9	145.5	148.6	128.1	93.9	93.9	94.3	121.5	441.3	726.1
82.5°	95.2	104.1	92.1	102.3	87.2	66.7	62.3	70.7	69.8	188.2	306.1
85°	39.6	54.3	50.7	53.8	41.4	36.5	39.2	42.3	40.5	72.5	119.2
87.5°	7.6	8.9	9.8	9.3	9.3	11.6	12.9	15.6	15.6	20.9	36.0
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°	358°	360°
0°	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2
2.5°	797.7	810.6	807.9	813.7	806.1	808.8	793.7	789.7	787.0	787.9
5°	879.5	905.8	910.7	920.5	913.8	913.8	887.1	867.1	860.0	854.6
7.5°	962.7	1000.6	1025.5	1028.1	1024.6	1017.5	978.8	942.7	929.8	918.7
10°	1036.6	1082.0	1110.0	1123.3	1116.7	1105.6	1057.5	1008.1	992.6	982.8
12.5°	1093.1	1133.1	1151.8	1160.7	1159.8	1155.8	1116.7	1063.3	1046.8	1031.7
15°	1129.6	1149.6	1142.5	1142.0	1148.3	1164.3	1152.3	1110.4	1091.3	1077.5
17.5°	1153.2	1134.0	1102.4	1087.8	1101.1	1138.9	1166.5	1142.9	1125.6	1110.4
20°	1161.6	1093.5	1047.7	1020.6	1036.2	1090.9	1158.9	1166.5	1151.8	1139.4
22.5°	1151.8	1044.2	981.9	949.8	965.0	1030.4	1136.7	1185.6	1175.8	1163.8
25°	1127.8	992.6	917.8	888.9	905.4	972.1	1097.1	1203.4	1203.9	1194.1
27.5°	1098.0	944.9	872.9	845.7	861.8	924.0	1058.4	1219.0	1234.6	1231.0
30°	1067.7	916.5	851.5	832.4	844.4	899.6	1018.8	1235.0	1266.2	1272.4
32.5°	1053.9	930.3	901.8	910.2	894.7	913.8	1004.6	1257.7	1304.4	1314.7
35°	1072.2	1052.6	1124.7	1158.1	1102.9	1030.4	1022.8	1292.0	1358.3	1373.4
37.5°	1160.7	1314.7	1422.3	1539.8	1444.1	1284.4	1113.1	1350.2	1435.2	1459.2
40°	1353.4	1543.3	1737.7	1889.5	1744.9	1530.0	1284.8	1437.0	1541.1	1562.9
42.5°	1534.9	1757.8	2025.6	2221.8	2034.0	1730.6	1469.9	1582.9	1680.8	1692.8
45°	1712.8	1968.2	2373.9	2646.7	2391.7	1921.5	1659.0	1829.4	1903.2	1903.7
47.5°	1921.5	2205.3	2810.8	3199.2	2866.4	2132.8	1836.5	2219.6	2322.3	2272.1
50°	2171.1	2441.1	3260.6	3842.1	3445.2	2392.6	2062.1	2695.1	2835.3	2778.3
52.5°	2505.2	2700.9	3756.2	4468.9	4076.1	2688.5	2389.1	3323.3	3369.6	3263.3
55°	2975.4	3076.0	4392.4	5243.0	4780.4	3052.8	2867.3	4111.7	3982.2	3677.5
57.5°	4046.3	3669.5	5209.2	6126.1	5577.2	3714.8	3915.5	4981.0	4520.5	4006.7
60°	4942.3	4390.2	5965.1	7002.6	6260.1	4444.5	4899.6	5132.3	4500.5	3970.2
62.5°	4640.2	4573.9	6237.8	7099.1	6493.2	4803.5	4716.7	4751.0	4206.9	3727.7
65°	4071.2	4219.3	5994.5	6641.3	6234.7	4481.8	4266.5	4398.6	3871.0	3388.3
67.5°	3735.3	3844.3	5561.6	5908.6	5764.9	4133.9	3916.4	3820.7	3349.6	2939.4
70°	3391.8	3482.2	4953.9	4989.0	5032.2	3555.6	3202.3	2917.6	2496.7	2209.8
72.5°	2930.9	2935.8	4185.5	3981.8	4063.6	2782.3	2577.7	2181.3	1817.4	1557.1
75°	2458.9	2324.6	3313.1	2783.2	2947.4	2164.4	2140.4	1643.9	1370.7	1157.2
77.5°	1874.8	1717.7	2420.2	1830.3	2070.1	1441.4	1609.2	1114.9	964.5	770.1
80°	1258.6	1160.7	1337.3	1033.0	1354.2	993.4	1049.5	631.7	547.7	424.9
82.5°	663.8	566.8	826.6	612.6	816.8	545.9	393.7	195.3	166.4	134.4
85°	257.1	297.6	405.3	218.0	316.8	194.9	113.9	48.5	40.5	30.7
87.5°	49.8	77.0	42.3	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

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