

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: P630617

Luminaire Tested: GWS-SA1E-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630617
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-SA1E-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: 5231.3 lumens
Efficiency: N/A
Efficacy: 89.6 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

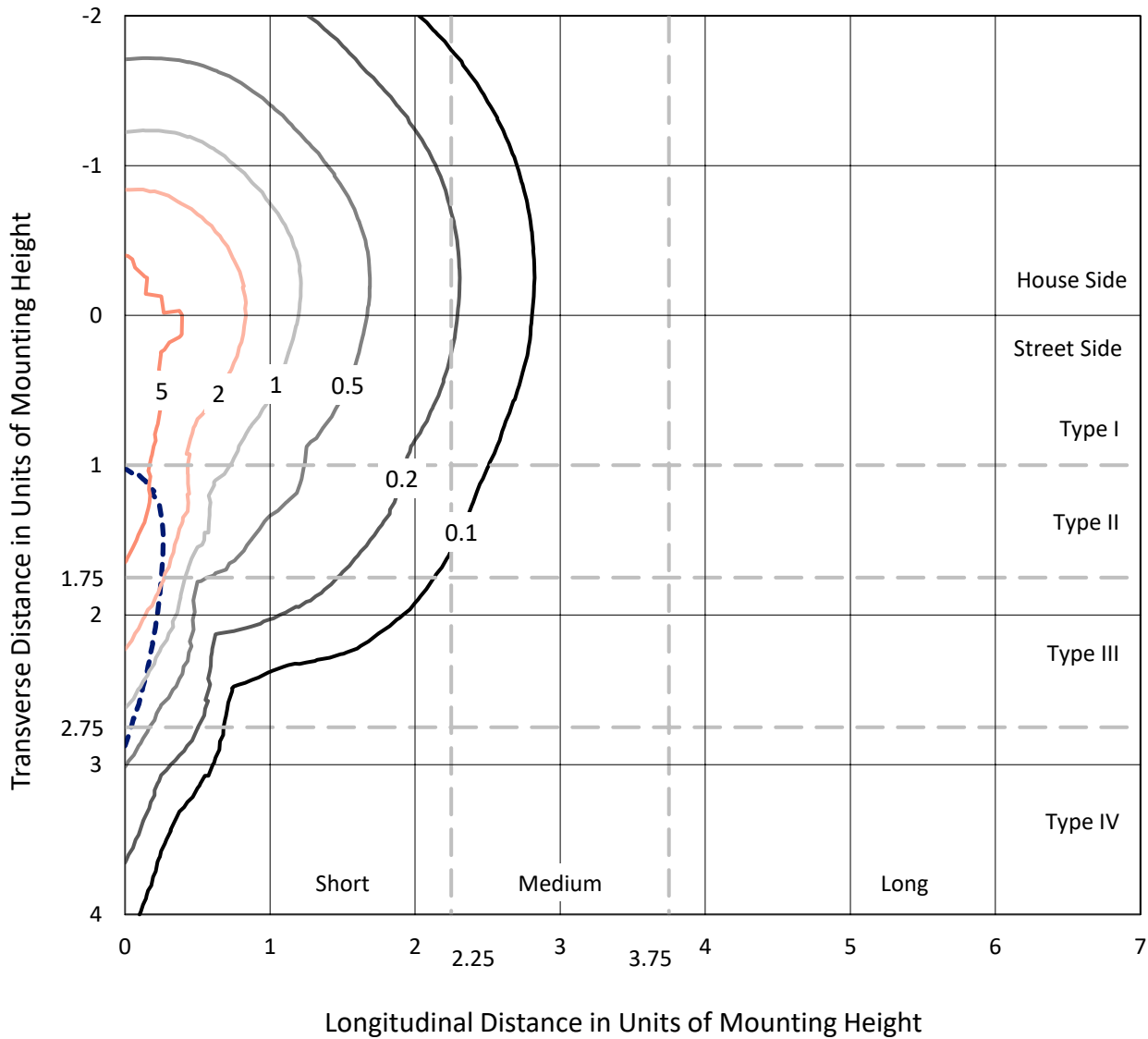
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

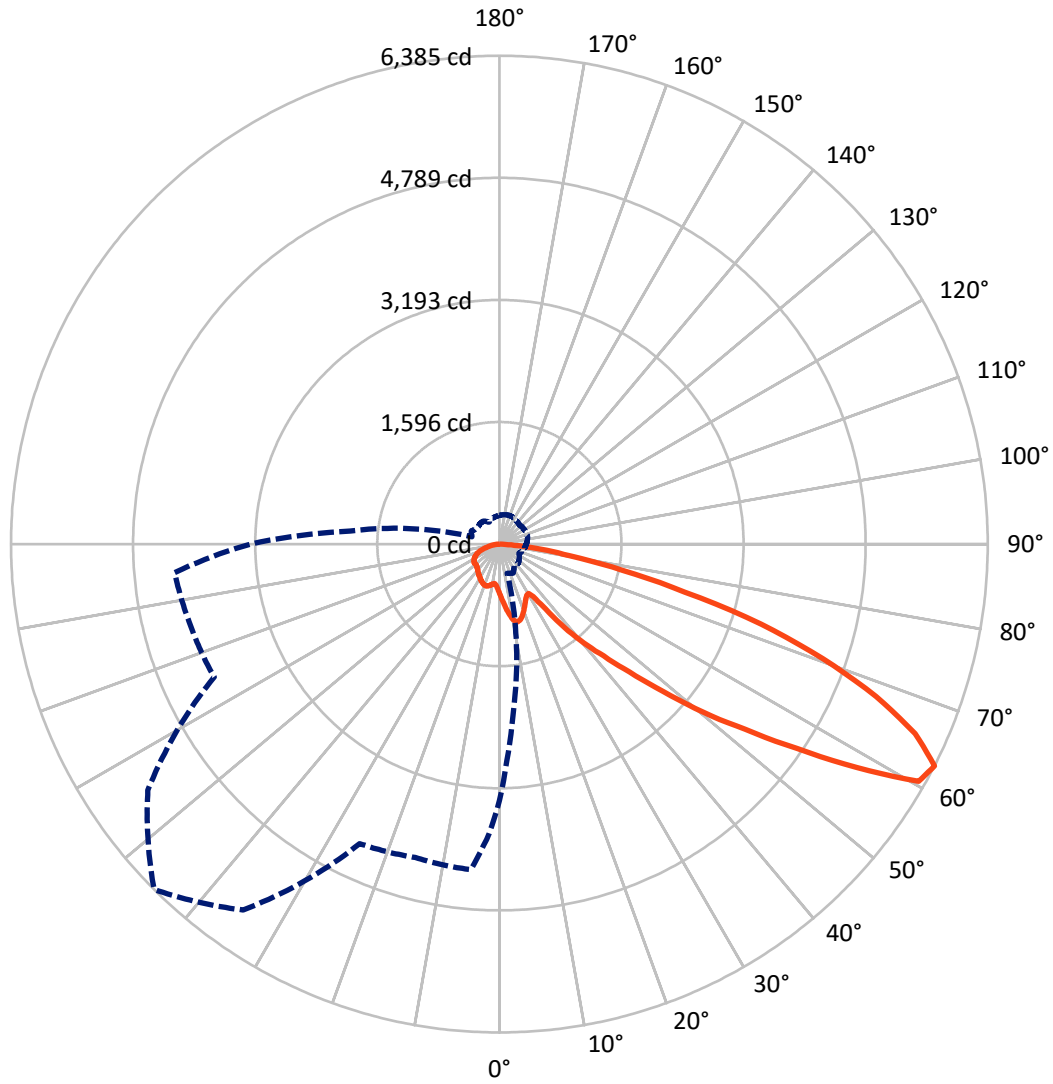
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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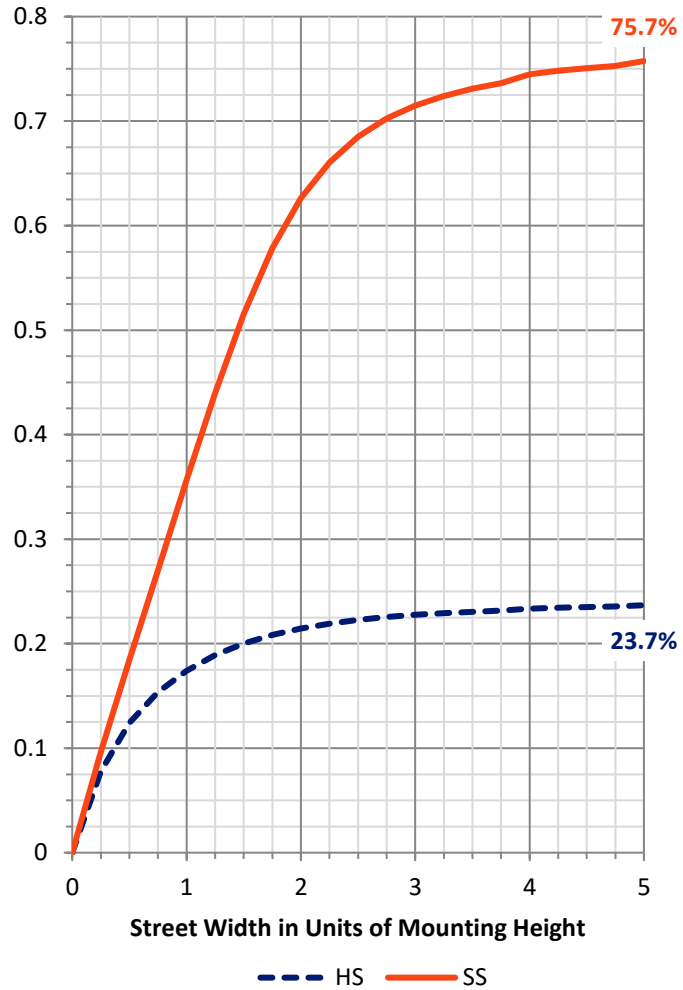
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1250.8	0.0	1250.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3980.5	0.0	3980.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	5231.3	0.0	5231.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.2
10°-20°	208.8	4.0
20°-30°	328.7	6.3
30°-40°	450.6	8.6
40°-50°	703.1	13.4
50°-60°	1212.2	23.2
60°-70°	1404.8	26.9
70°-80°	741.6	14.2
80°-90°	117.1	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°	5231.3	100.0
0°-180°	5231.3	100.0

Coefficient of Utilization



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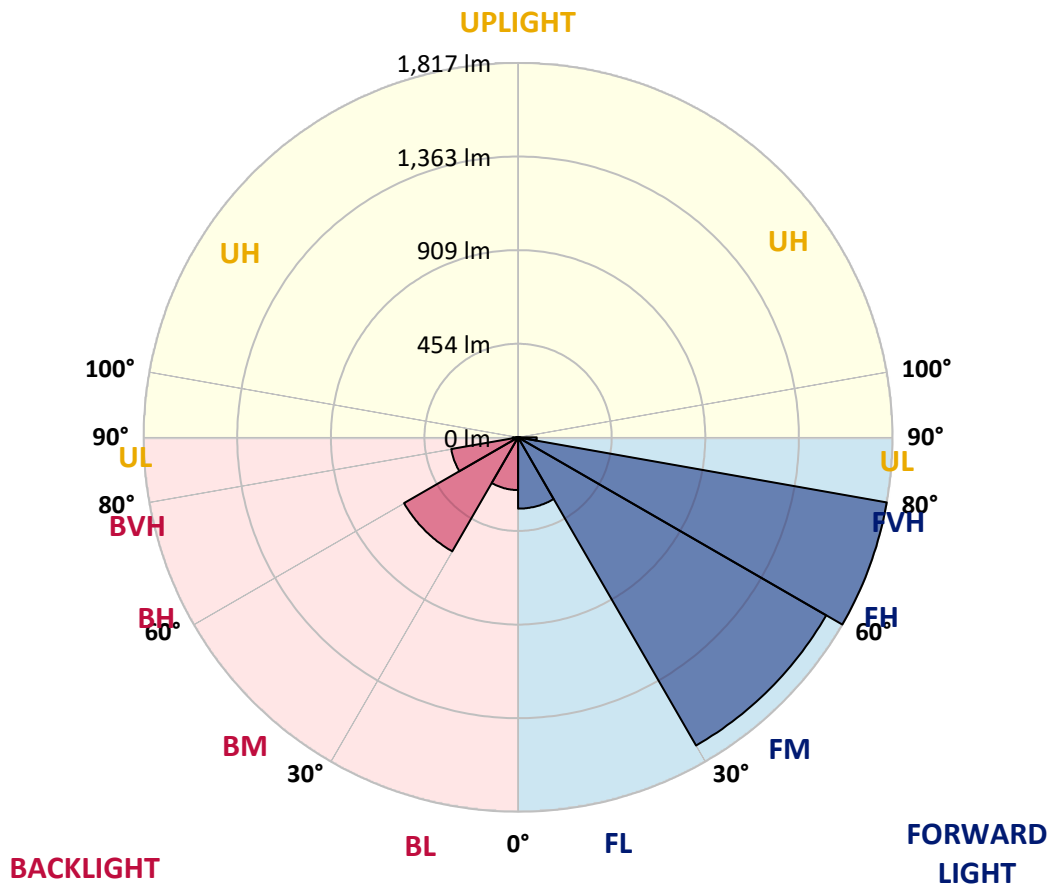
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.0	6.6			
FM (30°-60°)	1727.0	33.0			
FH (60°-80°)	1817.1	34.7			G2/5000
FVH (80°-90°)	90.4	1.7			G1/100
BL (0°-30°)	255.8	4.9	B1/500		
BM (30°-60°)	638.9	12.2	B1/1000		
BH (60°-80°)	329.3	6.3	B1/500		G1/500
BVH (80°-90°)	26.7	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°	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2
2.5°	708.7	705.9	701.9	688.2	679.8	670.2	660.2	648.6	635.4	626.2	617.0
5°	768.7	764.3	754.7	722.3	699.9	675.4	655.0	631.8	609.0	593.4	577.8
7.5°	826.3	820.7	805.9	756.3	719.9	684.6	653.8	620.2	586.2	563.0	544.6
10°	883.9	872.3	853.5	788.7	740.7	699.9	664.6	623.4	578.2	546.6	527.0
12.5°	927.9	917.1	896.7	818.3	761.5	710.3	670.6	632.6	594.2	560.6	540.6
15°	969.1	955.1	931.9	845.9	778.7	709.9	658.6	625.4	619.8	611.4	585.4
17.5°	998.8	986.0	961.9	868.3	788.3	697.5	625.4	605.8	631.0	656.6	631.8
20°	1024.8	1010.0	985.6	883.9	790.3	669.8	585.0	585.4	625.0	660.2	654.2
22.5°	1046.8	1030.4	1008.8	901.5	789.5	631.4	549.8	573.8	613.4	641.0	641.8
25°	1074.0	1060.4	1042.4	927.5	789.5	592.2	524.2	559.8	593.8	617.0	616.2
27.5°	1107.2	1098.0	1083.2	967.1	796.7	559.4	509.8	541.8	568.6	588.6	588.2
30°	1144.4	1136.0	1124.8	1009.2	809.1	535.0	501.8	519.4	539.0	555.0	555.0
32.5°	1182.4	1179.2	1167.2	1042.8	799.5	527.4	495.0	497.0	507.4	520.6	519.4
35°	1235.2	1232.0	1216.8	1068.8	757.9	516.6	484.2	474.2	475.4	483.8	486.6
37.5°	1312.5	1307.7	1285.3	1099.2	695.1	489.4	466.6	450.2	446.6	450.2	455.4
40°	1405.7	1398.5	1368.1	1140.4	622.6	452.6	439.0	425.4	419.4	420.6	426.6
42.5°	1522.5	1507.3	1463.7	1184.0	551.0	420.2	408.1	399.7	392.9	392.1	403.7
45°	1712.2	1670.6	1601.4	1222.8	490.6	402.9	380.5	374.5	368.9	372.1	385.7
47.5°	2043.5	1966.7	1831.9	1256.1	453.8	403.3	358.5	352.1	351.7	358.1	373.3
50°	2498.9	2388.1	2180.0	1278.5	434.6	408.1	345.3	334.9	342.5	348.9	363.3
52.5°	2935.1	2765.8	2518.1	1278.1	426.2	408.9	348.9	318.9	342.5	344.1	357.7
55°	3307.6	3001.1	2609.3	1146.8	414.1	405.7	362.9	306.5	338.1	344.1	354.9
57.5°	3603.7	3150.7	2602.5	926.3	450.6	388.1	371.3	303.7	325.3	344.9	357.3
60°	3570.9	3082.3	2434.9	568.6	447.0	356.9	370.1	308.9	303.7	334.1	354.5
62.5°	3352.8	2837.0	2146.4	394.5	419.8	338.9	350.5	318.1	283.7	318.5	340.9
65°	3047.5	2520.5	1788.6	302.5	347.7	339.7	317.3	311.7	266.1	293.7	317.7
67.5°	2643.8	2128.0	1412.1	239.7	242.5	294.1	288.1	276.9	249.7	271.7	293.3
70°	1987.5	1553.0	971.5	192.9	183.7	245.7	258.9	248.9	233.7	240.1	262.9
72.5°	1400.5	1014.0	532.2	152.9	141.7	188.9	224.9	223.3	206.5	211.3	233.7
75°	1040.8	717.5	332.5	120.8	115.2	135.2	188.5	193.3	179.3	184.9	202.1
77.5°	692.6	464.6	184.9	89.6	89.6	98.8	140.5	162.9	152.5	156.9	168.9
80°	382.1	236.5	92.4	58.8	60.4	68.0	102.4	117.2	117.6	128.4	131.6
82.5°	120.8	75.2	41.2	34.4	32.4	38.8	66.0	84.0	78.4	100.0	92.0
85°	27.6	17.6	7.6	7.6	8.4	12.8	25.2	44.8	57.2	68.8	50.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	17.6	26.0	23.2
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°	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2
2.5°	611.4	603.4	601.0	594.2	593.4	587.0	584.6	584.6	587.4	587.4	590.2
5°	571.4	561.4	555.8	547.8	545.8	541.0	537.8	538.2	541.8	544.2	549.0
7.5°	536.2	529.4	525.4	521.8	521.0	520.2	516.6	516.2	517.4	521.0	524.6
10°	521.4	516.6	517.8	520.6	525.0	527.4	524.2	522.6	521.4	523.8	527.0
12.5°	535.8	531.0	533.4	538.2	544.2	546.6	545.4	545.0	546.2	555.4	562.2
15°	567.4	558.2	555.0	557.0	561.8	564.2	563.0	564.6	572.2	596.2	613.4
17.5°	606.6	584.2	571.4	567.8	569.8	571.8	571.8	575.8	589.0	624.2	645.8
20°	627.8	598.6	577.0	568.2	569.0	571.0	571.0	576.6	591.4	629.0	643.0
22.5°	622.2	595.4	569.0	559.4	559.8	561.4	561.4	566.2	579.4	612.6	619.0
25°	600.2	576.6	550.6	542.2	543.0	545.8	545.0	547.8	557.8	585.0	588.6
27.5°	573.8	553.0	527.4	521.0	524.6	530.2	525.4	525.8	535.0	557.8	558.2
30°	545.4	528.2	505.4	500.6	507.4	510.2	505.8	505.8	515.0	530.6	530.2
32.5°	514.6	503.8	487.4	482.2	489.8	494.2	488.6	489.4	496.6	507.0	503.0
35°	485.8	480.2	472.6	469.0	473.8	477.8	474.2	475.8	482.6	485.4	479.8
37.5°	458.2	457.4	458.2	458.2	459.4	460.6	458.2	462.2	468.2	464.6	458.2
40°	434.2	437.4	445.0	443.0	441.8	443.0	441.4	448.2	454.2	447.8	440.2
42.5°	414.1	420.2	431.8	431.8	429.4	430.2	429.4	437.8	442.2	433.4	425.0
45°	396.9	405.7	420.6	422.6	418.6	418.6	420.2	430.6	432.2	420.2	411.3
47.5°	384.9	395.7	412.5	416.1	410.1	409.7	414.1	425.4	425.4	411.3	401.3
50°	376.5	388.5	408.5	413.3	407.3	405.7	412.9	423.8	421.4	404.5	394.5
52.5°	370.9	383.3	408.1	414.9	410.9	409.3	416.5	424.2	418.2	400.1	389.7
55°	367.3	380.9	409.3	414.9	410.5	407.7	414.9	421.8	418.6	397.7	387.7
57.5°	369.3	382.9	407.7	410.5	405.3	400.5	408.9	418.6	417.4	398.5	388.5
60°	366.1	378.5	398.9	399.7	390.9	383.3	395.7	410.1	410.1	395.7	386.9
62.5°	351.3	363.7	381.7	382.5	372.5	364.1	378.5	395.7	395.3	383.7	374.5
65°	326.9	338.5	358.9	360.9	350.9	342.1	356.9	372.9	374.1	363.7	355.7
67.5°	300.1	310.5	325.7	333.7	325.3	316.1	329.7	344.9	344.5	332.1	323.7
70°	268.1	277.7	291.7	298.5	293.3	284.5	296.9	304.9	301.3	295.3	289.7
72.5°	236.5	245.7	258.9	258.9	253.3	244.9	248.5	262.9	267.3	262.9	259.3
75°	203.3	211.3	220.5	222.5	210.1	194.9	211.7	224.1	229.3	227.3	222.9
77.5°	169.3	175.3	188.9	185.3	162.1	154.1	167.7	186.1	189.7	188.5	182.5
80°	130.4	134.0	148.5	141.3	123.2	118.0	124.0	138.4	139.3	135.2	127.6
82.5°	87.6	92.4	102.0	88.0	87.6	82.8	78.0	79.6	86.8	86.0	80.8
85°	44.8	47.2	56.4	52.8	45.2	39.2	37.2	39.6	35.6	32.4	28.0
87.5°	18.8	20.4	28.0	15.6	4.8	0.0	0.0	2.4	3.6	5.2	5.6
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°	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2
2.5°	596.6	601.0	611.8	625.4	638.6	652.2	667.0	676.2	687.4	701.9	702.3
5°	555.0	565.0	580.6	601.4	623.0	647.8	676.6	700.7	729.5	752.3	761.5
7.5°	529.4	543.8	563.4	589.8	618.2	649.0	686.6	727.1	774.3	804.7	822.7
10°	531.8	553.8	573.4	595.8	621.4	654.6	703.1	756.7	814.7	854.7	877.1
12.5°	574.6	597.8	594.2	593.0	610.2	650.6	716.3	786.7	857.5	897.5	924.3
15°	628.6	637.4	603.4	577.8	588.2	636.2	723.5	813.5	893.1	941.9	968.3
17.5°	656.2	638.6	597.4	559.0	556.2	614.2	727.1	840.7	933.1	982.0	1010.0
20°	643.4	617.8	583.0	546.6	526.6	584.2	725.1	862.3	969.5	1024.0	1046.8
22.5°	615.8	593.4	566.2	531.4	502.6	551.4	719.9	883.9	1002.0	1056.8	1076.8
25°	585.8	569.0	546.6	516.2	489.0	522.6	716.3	912.7	1039.2	1091.6	1104.4
27.5°	555.8	543.4	525.0	501.4	485.8	502.6	717.5	950.3	1087.2	1136.8	1131.6
30°	526.2	515.4	502.6	492.2	485.4	497.8	714.3	990.4	1140.0	1186.0	1155.2
32.5°	498.2	488.2	480.2	481.8	485.8	499.8	697.9	1026.8	1188.4	1227.6	1180.8
35°	474.2	463.8	463.8	469.4	484.2	493.0	655.4	1055.2	1242.0	1281.3	1217.2
37.5°	451.8	442.6	448.6	457.8	471.8	474.6	601.0	1082.8	1320.1	1356.9	1273.7
40°	432.2	423.0	433.8	445.4	452.6	451.4	545.8	1121.2	1412.1	1450.1	1348.5
42.5°	416.5	408.1	417.8	432.6	433.8	435.0	505.4	1158.0	1518.9	1567.4	1477.3
45°	403.7	397.7	402.5	417.4	417.4	435.8	480.2	1188.8	1679.8	1765.4	1713.8
47.5°	393.7	390.1	392.5	397.3	405.3	450.2	464.2	1212.4	1972.7	2140.8	2088.8
50°	388.1	384.5	387.7	377.7	401.7	457.4	459.0	1230.4	2358.8	2622.1	2557.7
52.5°	383.3	382.1	384.1	360.9	409.7	452.6	455.0	1206.4	2617.7	3095.9	3159.5
55°	381.7	382.5	372.9	348.5	419.4	436.6	443.0	1034.8	2688.2	3504.5	3899.4
57.5°	382.5	380.1	355.7	349.7	419.8	404.5	460.2	738.3	2585.7	3682.1	4623.3
60°	379.7	367.7	334.9	360.5	401.3	366.9	447.8	481.4	2315.6	3545.7	4665.3
62.5°	367.3	349.7	316.9	366.5	368.5	344.5	406.5	370.9	1955.5	3253.6	4260.3
65°	349.3	325.7	301.7	354.1	335.3	334.1	305.7	297.3	1572.6	2905.8	3876.2
67.5°	319.7	296.1	290.5	325.7	301.7	296.1	245.7	246.5	1254.9	2535.3	3490.1
70°	286.1	262.5	266.9	294.5	268.5	246.1	198.9	205.3	951.9	2112.4	2969.5
72.5°	264.1	232.5	232.9	259.3	236.1	199.3	163.7	169.3	604.2	1592.2	2360.8
75°	222.9	204.9	196.1	210.1	200.5	155.3	137.6	136.4	358.1	1141.2	1767.8
77.5°	186.1	172.1	167.7	173.3	149.7	114.8	110.8	108.8	202.9	731.1	1158.4
80°	134.8	131.2	130.8	133.6	115.2	84.4	84.4	84.8	109.2	396.9	653.0
82.5°	85.6	93.6	82.8	92.0	78.4	60.0	56.0	63.6	62.8	169.3	275.3
85°	35.6	48.8	45.6	48.4	37.2	32.8	35.2	38.0	36.4	65.2	107.2
87.5°	6.8	8.0	8.8	8.4	8.4	10.4	11.6	14.0	14.0	18.8	32.4
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°	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2	652.2
2.5°	717.5	729.1	726.7	731.9	725.1	727.5	713.9	710.3	707.9	708.7
5°	791.1	814.7	819.1	827.9	821.9	821.9	797.9	779.9	773.5	768.7
7.5°	865.9	899.9	922.3	924.7	921.5	915.1	880.3	847.9	836.3	826.3
10°	932.3	973.2	998.4	1010.4	1004.4	994.4	951.1	906.7	892.7	883.9
12.5°	983.2	1019.2	1036.0	1044.0	1043.2	1039.6	1004.4	956.3	941.5	927.9
15°	1016.0	1034.0	1027.6	1027.2	1032.8	1047.2	1036.4	998.8	981.6	969.1
17.5°	1037.2	1020.0	991.6	978.4	990.4	1024.4	1049.2	1028.0	1012.4	998.8
20°	1044.8	983.6	942.3	917.9	931.9	981.2	1042.4	1049.2	1036.0	1024.8
22.5°	1036.0	939.1	883.1	854.3	867.9	926.7	1022.4	1066.4	1057.6	1046.8
25°	1014.4	892.7	825.5	799.5	814.3	874.3	986.8	1082.4	1082.8	1074.0
27.5°	987.6	849.9	785.1	760.7	775.1	831.1	951.9	1096.4	1110.4	1107.2
30°	960.3	824.3	765.9	748.7	759.5	809.1	916.3	1110.8	1138.8	1144.4
32.5°	947.9	836.7	811.1	818.7	804.7	821.9	903.5	1131.2	1173.2	1182.4
35°	964.3	946.7	1011.6	1041.6	992.0	926.7	919.9	1162.0	1221.6	1235.2
37.5°	1044.0	1182.4	1279.3	1384.9	1298.9	1155.2	1001.2	1214.4	1290.9	1312.5
40°	1217.2	1388.1	1563.0	1699.4	1569.4	1376.1	1155.6	1292.5	1386.1	1405.7
42.5°	1380.5	1581.0	1821.9	1998.3	1829.5	1556.6	1322.1	1423.7	1511.7	1522.5
45°	1540.6	1770.2	2135.2	2380.5	2151.2	1728.2	1492.1	1645.4	1711.8	1712.2
47.5°	1728.2	1983.5	2528.1	2877.4	2578.1	1918.3	1651.8	1996.3	2088.8	2043.5
50°	1952.7	2195.6	2932.7	3455.6	3098.7	2152.0	1854.7	2424.1	2550.1	2498.9
52.5°	2253.2	2429.3	3378.4	4019.4	3666.1	2418.1	2148.8	2989.1	3030.7	2935.1
55°	2676.2	2766.6	3950.6	4715.7	4299.5	2745.8	2578.9	3698.1	3581.7	3307.6
57.5°	3639.3	3300.4	4685.3	5510.0	5016.2	3341.2	3521.7	4480.0	4065.9	3603.7
60°	4445.2	3948.6	5365.1	6298.3	5630.4	3997.4	4406.8	4616.1	4047.9	3570.9
62.5°	4173.5	4113.9	5610.4	6385.1	5840.1	4320.4	4242.3	4273.1	3783.8	3352.8
65°	3661.7	3795.0	5391.5	5973.4	5607.6	4031.1	3837.4	3956.2	3481.7	3047.5
67.5°	3359.6	3457.6	5002.2	5314.3	5185.1	3718.1	3522.5	3436.4	3012.7	2643.8
70°	3050.7	3131.9	4455.6	4487.2	4526.0	3198.0	2880.2	2624.1	2245.6	1987.5
72.5°	2636.1	2640.6	3764.6	3581.3	3654.9	2502.5	2318.4	1961.9	1634.6	1400.5
75°	2211.6	2090.8	2979.9	2503.3	2651.0	1946.7	1925.1	1478.5	1232.8	1040.8
77.5°	1686.2	1545.0	2176.8	1646.2	1861.9	1296.5	1447.3	1002.8	867.5	692.6
80°	1132.0	1044.0	1202.8	929.1	1218.0	893.5	943.9	568.2	492.6	382.1
82.5°	597.0	509.8	743.5	551.0	734.7	491.0	354.1	175.7	149.7	120.8
85°	231.3	267.7	364.5	196.1	284.9	175.3	102.4	43.6	36.4	27.6
87.5°	44.8	69.2	38.0	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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