

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: P630889

Luminaire Tested: GWS-SA1E-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4156.4 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

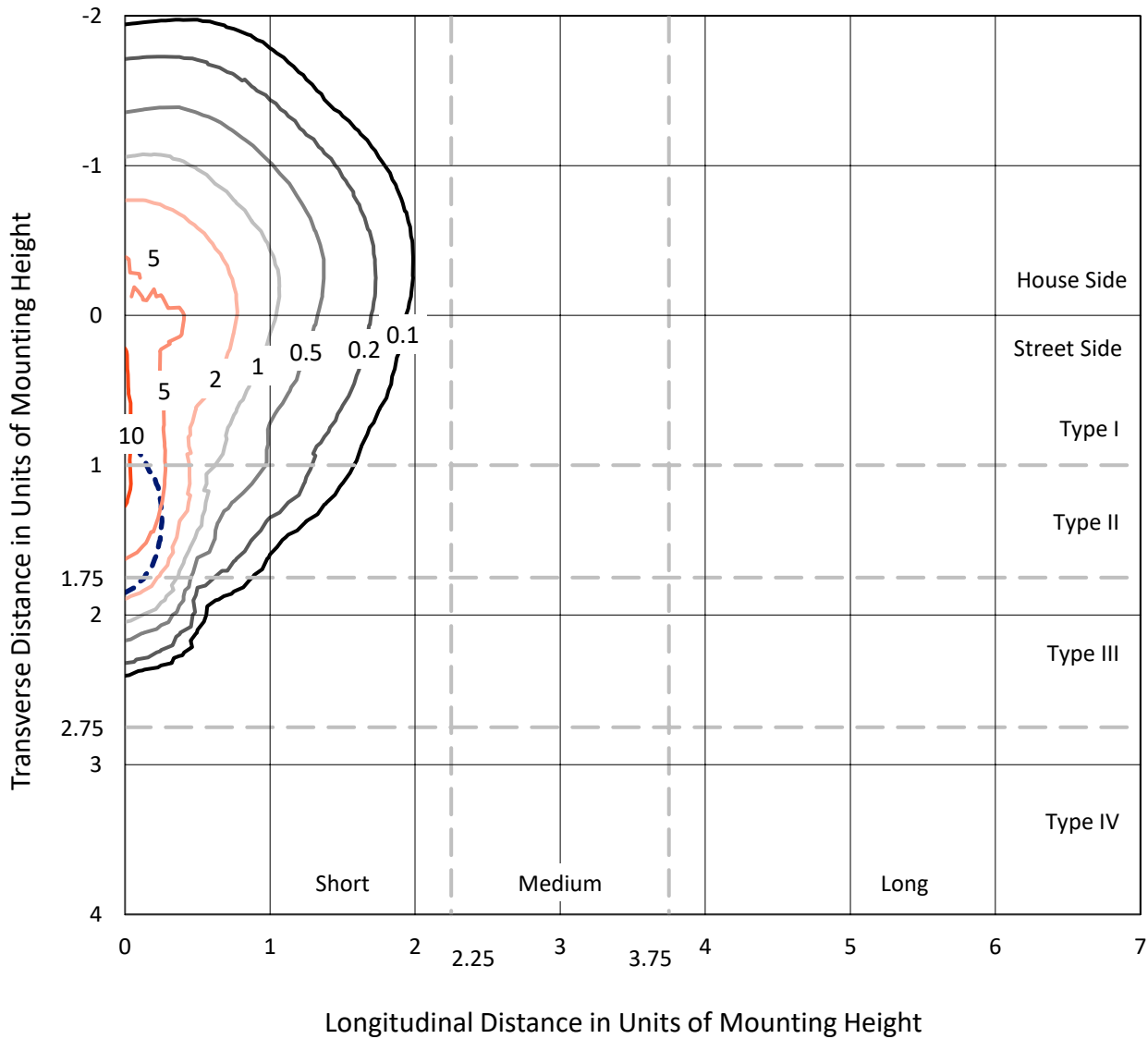
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

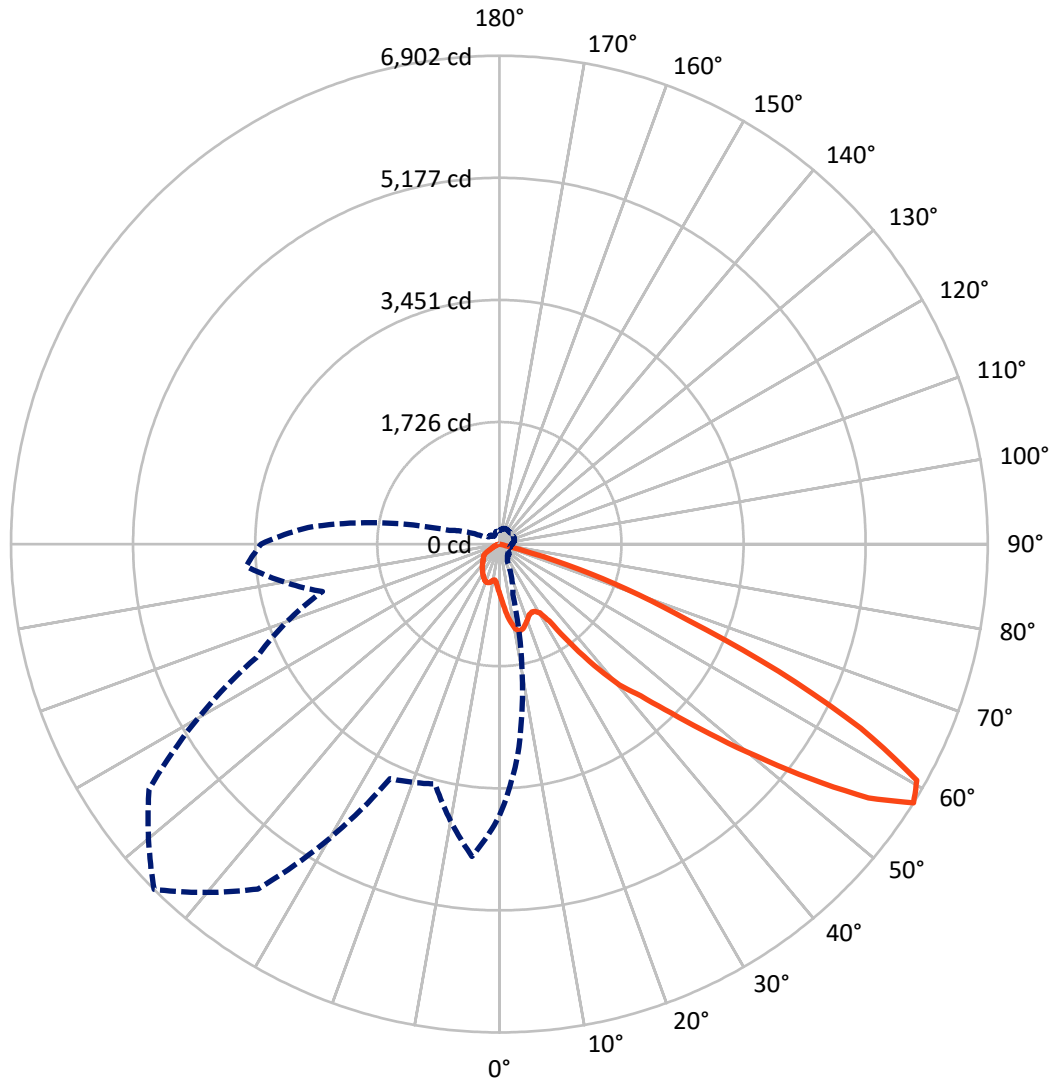
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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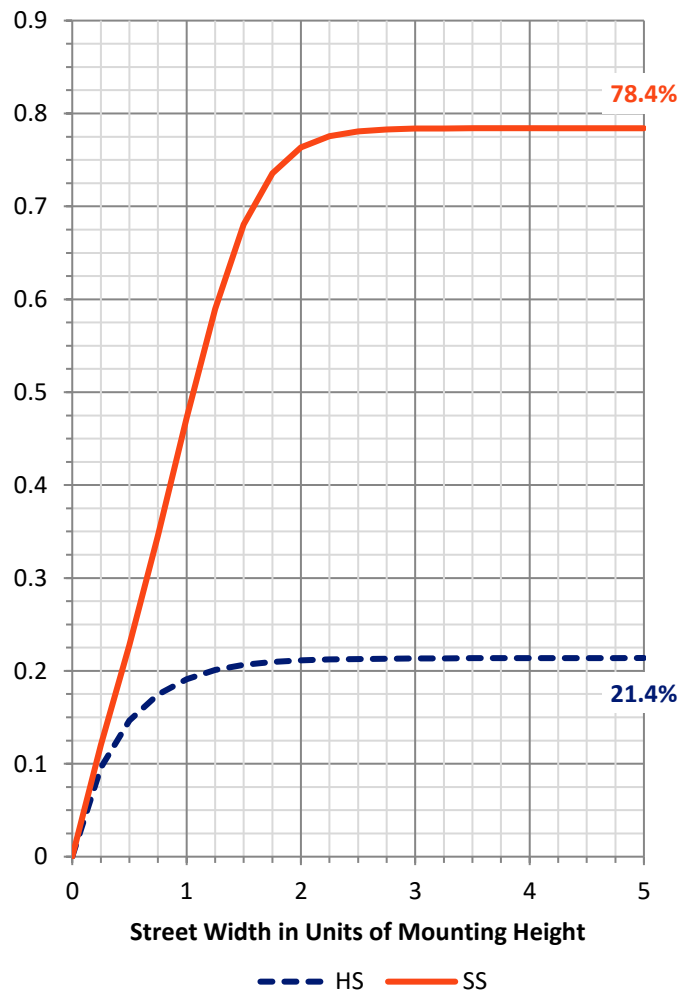
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.4	0.0	895.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3261.0	0.0	3261.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	4156.4	0.0	4156.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.7
10°-20°	229.7	5.5
20°-30°	372.8	9.0
30°-40°	572.1	13.8
40°-50°	913.7	22.0
50°-60°	1279.3	30.8
60°-70°	655.9	15.8
70°-80°	63.2	1.5
80°-90°	0.0	0.0
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°	4156.4	100.0
0°-180°	4156.4	100.0

Coefficient of Utilization



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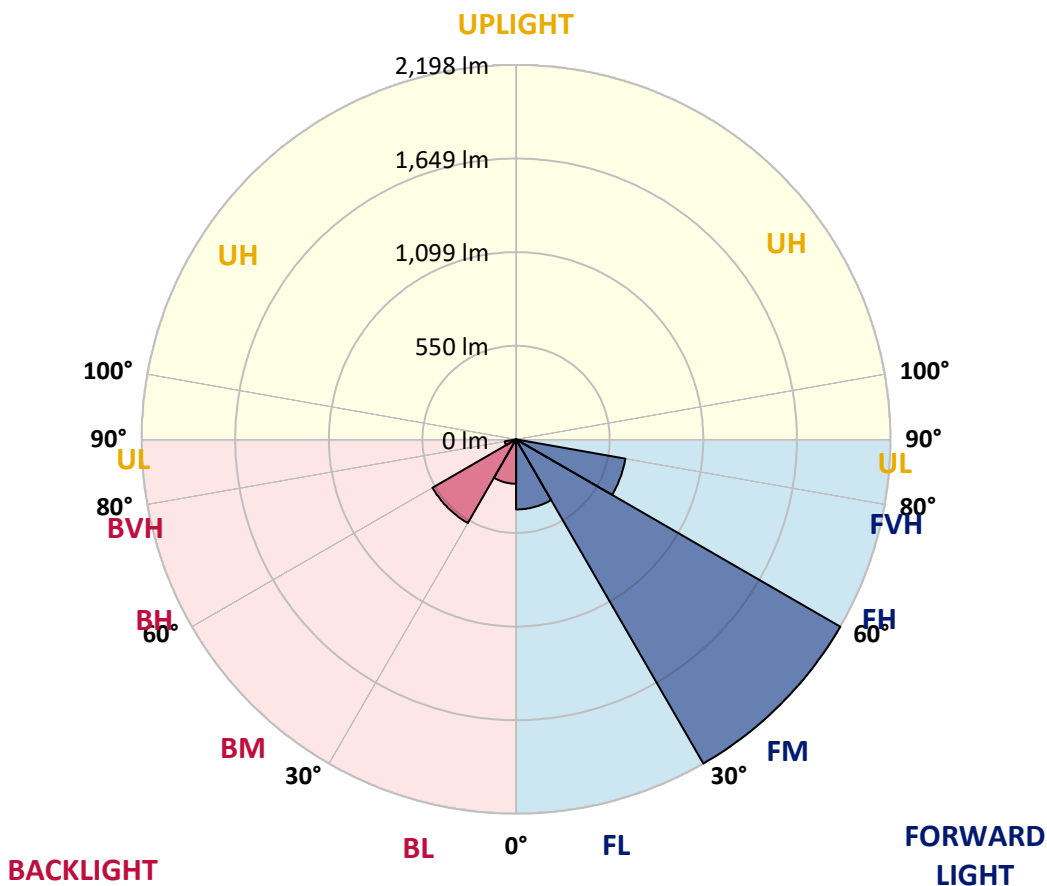
CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.5	9.9			
FM (30°-60°)	2198.0	52.9			
FH (60°-80°)	651.5	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	260.7	6.3	B1/500		
BM (30°-60°)	567.1	13.6	B1/1000		
BH (60°-80°)	67.6	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2
2.5°	784.6	782.9	777.4	758.5	746.8	728.5	715.1	697.9	679.0	667.3	655.7
5°	867.9	863.5	848.5	805.1	771.8	735.7	706.8	675.1	641.2	619.0	598.4
7.5°	947.9	941.3	921.3	847.9	797.4	745.7	704.6	658.4	610.7	577.3	551.8
10°	1026.3	1011.3	979.6	889.6	821.3	759.0	710.7	657.9	601.8	559.5	531.2
12.5°	1090.7	1079.6	1036.3	929.1	841.3	761.8	702.3	653.4	615.7	587.3	561.2
15°	1146.3	1134.1	1093.0	964.6	858.5	750.7	667.3	624.6	630.7	641.8	619.6
17.5°	1197.4	1184.7	1140.2	994.1	865.2	723.5	618.4	597.9	631.8	673.5	665.1
20°	1250.2	1235.8	1181.3	1018.0	862.9	680.7	569.0	575.1	622.9	670.7	675.1
22.5°	1311.9	1296.9	1233.5	1048.5	861.3	629.6	526.2	555.1	606.2	646.8	654.6
25°	1393.6	1375.8	1306.3	1093.5	865.7	582.9	495.6	535.6	577.9	614.6	619.0
27.5°	1501.4	1478.6	1390.2	1149.1	875.2	546.2	482.3	509.0	541.8	574.5	578.4
30°	1642.0	1613.1	1486.4	1197.4	870.7	520.6	473.4	482.3	501.8	528.4	529.0
32.5°	1806.4	1767.0	1594.2	1239.1	832.4	501.8	461.2	455.1	459.5	480.1	484.0
35°	1999.8	1948.7	1713.1	1278.6	762.4	465.1	439.0	418.4	416.7	426.7	436.2
37.5°	2221.5	2160.4	1863.1	1329.1	679.6	426.7	406.2	385.6	376.7	381.7	396.2
40°	2426.0	2358.2	2019.8	1390.2	595.1	392.3	367.8	346.7	336.2	337.8	355.6
42.5°	2666.0	2596.0	2211.5	1470.3	525.1	369.0	327.8	306.2	292.3	300.1	320.6
45°	3030.5	2951.1	2491.0	1539.7	469.5	363.4	292.8	262.3	255.6	268.9	293.4
47.5°	3528.4	3431.2	2874.9	1581.9	422.3	368.4	268.4	226.7	228.4	243.4	267.8
50°	4022.4	3917.3	3318.9	1526.4	383.4	358.4	256.2	198.9	209.5	222.8	245.0
52.5°	4361.9	4225.2	3535.1	1365.8	347.8	320.6	255.0	172.8	192.8	197.3	216.1
55°	4375.2	4206.8	3424.5	1076.9	299.5	270.6	243.4	151.1	174.5	176.1	192.3
57.5°	3835.1	3682.9	2992.7	739.6	266.2	198.4	193.9	132.2	143.4	157.2	167.3
60°	2917.7	2788.3	2238.2	338.9	202.3	126.1	132.8	113.9	107.2	127.8	137.8
62.5°	1787.0	1704.2	1342.5	150.0	128.9	67.2	80.6	90.6	80.6	88.3	96.7
65°	709.6	672.9	509.5	63.9	52.8	33.9	36.7	52.8	56.7	62.2	70.0
67.5°	123.4	116.7	85.6	28.3	21.7	20.6	17.8	24.4	34.5	38.3	44.5
70°	16.1	15.6	13.9	11.7	11.1	10.0	7.8	15.6	23.3	24.4	28.3
72.5°	3.9	3.3	3.3	2.8	3.3	1.1	1.1	8.3	16.7	17.2	20.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	10.6	11.7	13.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2
2.5°	646.2	635.1	631.2	625.7	618.4	620.7	610.7	607.3	612.3	619.0	617.3
5°	587.3	575.1	566.8	554.0	551.8	546.8	543.4	539.0	544.5	552.3	554.0
7.5°	540.6	530.1	521.8	517.9	515.1	512.9	506.2	502.9	502.9	506.2	509.0
10°	520.6	512.9	511.2	512.3	516.8	516.2	510.1	505.6	500.1	497.3	500.6
12.5°	548.4	535.6	533.4	534.0	539.5	539.0	532.3	526.8	525.6	526.8	537.3
15°	595.7	576.2	561.8	559.0	561.8	560.7	555.7	552.3	554.0	570.1	587.9
17.5°	637.9	607.9	581.8	571.8	571.2	569.5	564.5	563.4	571.8	601.8	627.9
20°	650.1	620.7	583.4	570.7	567.9	566.2	560.7	562.3	572.9	609.0	631.2
22.5°	634.0	605.7	566.8	554.0	551.8	551.2	545.7	547.9	556.8	588.4	606.8
25°	603.4	579.5	539.0	527.9	527.9	526.8	521.8	522.9	528.4	556.2	574.0
27.5°	566.2	543.4	509.5	498.4	500.1	501.8	495.6	494.0	498.4	524.5	535.1
30°	523.4	507.3	480.6	470.6	470.1	476.7	468.4	466.2	472.3	492.9	495.1
32.5°	481.8	474.0	455.1	447.3	447.9	449.0	444.5	444.5	450.1	461.2	460.6
35°	441.2	436.2	432.9	427.3	426.7	424.5	424.5	425.6	431.7	435.6	428.4
37.5°	402.3	407.3	411.2	405.6	401.2	401.2	401.2	406.2	411.7	410.1	397.8
40°	367.8	378.4	390.6	384.5	374.0	373.4	375.6	384.0	392.3	382.3	371.2
42.5°	338.4	351.7	369.0	365.6	354.0	352.3	354.0	364.5	371.2	358.4	346.2
45°	309.5	326.2	346.7	346.7	333.9	332.3	332.8	346.7	350.6	335.6	320.1
47.5°	285.0	303.4	325.1	325.1	314.5	311.2	313.9	328.4	331.2	310.1	295.6
50°	261.7	281.7	305.6	303.9	296.7	293.9	298.9	314.5	311.2	287.8	272.8
52.5°	232.3	253.4	286.2	287.8	283.9	284.5	290.6	300.6	291.2	262.8	250.0
55°	205.6	227.3	260.0	268.9	268.9	268.4	271.2	278.9	271.2	237.3	221.7
57.5°	176.7	195.0	222.3	224.5	226.2	220.0	223.9	234.5	230.6	201.7	192.8
60°	145.0	160.6	176.1	177.8	170.6	157.8	165.0	177.3	180.0	158.4	148.4
62.5°	102.8	117.8	136.1	136.1	128.9	116.1	125.6	136.1	132.2	110.0	103.9
65°	76.7	90.6	104.5	110.6	104.5	95.6	102.8	110.6	104.5	86.1	77.2
67.5°	49.5	58.9	67.2	72.2	73.3	72.2	75.6	73.3	66.1	53.9	48.9
70°	30.0	35.0	39.5	43.9	47.2	48.9	50.6	45.6	38.3	31.7	30.0
72.5°	21.7	26.1	30.0	33.3	37.2	38.3	38.3	35.0	28.3	22.2	20.6
75°	15.0	18.9	22.2	24.4	27.8	28.9	28.9	26.1	21.1	16.1	14.4
77.5°	0.6	3.9	3.9	3.3	4.4	5.6	5.6	6.7	6.1	4.4	3.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2
2.5°	620.7	640.7	646.2	666.8	685.1	703.5	725.7	739.0	759.0	772.9	780.7
5°	559.5	576.2	596.2	626.8	658.4	693.5	735.7	772.4	818.5	852.4	863.5
7.5°	515.1	536.8	560.1	598.4	641.8	688.5	747.9	807.9	878.5	924.6	954.1
10°	506.8	529.0	560.1	597.9	643.4	696.8	769.6	847.4	935.7	991.8	1025.2
12.5°	546.8	570.7	584.0	601.2	635.7	695.1	788.5	887.4	991.3	1052.4	1088.0
15°	605.7	626.8	605.1	583.4	605.7	677.3	799.0	920.7	1040.2	1110.7	1147.4
17.5°	646.2	647.9	600.7	554.5	560.7	645.1	802.9	954.1	1092.4	1166.3	1204.7
20°	642.3	629.0	581.2	530.1	511.2	603.4	798.5	983.5	1145.2	1222.4	1260.2
22.5°	612.3	596.8	556.2	506.2	469.5	554.0	790.7	1010.2	1193.5	1281.3	1316.9
25°	576.2	559.5	526.2	482.3	442.9	506.2	784.6	1046.8	1254.7	1358.0	1385.8
27.5°	534.0	519.5	491.2	459.5	431.7	470.1	782.9	1095.2	1328.6	1451.4	1470.8
30°	492.9	479.5	457.3	439.0	427.3	449.0	777.4	1146.9	1416.9	1558.6	1579.7
32.5°	453.4	440.1	426.2	423.4	424.0	441.2	758.5	1198.0	1521.9	1714.2	1729.7
35°	419.5	404.0	398.4	405.1	417.3	427.9	705.1	1240.2	1634.7	1883.7	1896.4
37.5°	387.3	371.7	371.2	387.3	400.6	407.3	642.3	1281.9	1787.0	2055.9	2072.0
40°	357.8	342.3	347.8	367.3	377.8	381.2	566.2	1345.2	1948.1	2237.6	2228.7
42.5°	332.8	316.7	320.1	345.1	354.5	363.4	496.2	1398.0	2103.1	2409.9	2407.1
45°	308.4	296.2	293.9	321.2	329.5	365.1	445.1	1438.6	2302.6	2629.3	2633.8
47.5°	284.5	275.0	275.6	287.3	307.8	373.4	401.7	1465.3	2592.1	2977.2	2899.9
50°	262.8	255.6	261.7	248.4	293.9	362.8	364.5	1459.7	2915.5	3310.6	3155.5
52.5°	238.9	237.3	240.0	207.8	271.7	320.1	329.5	1385.8	3067.2	3538.4	3450.0
55°	214.5	213.9	191.7	166.1	227.3	255.6	282.3	1156.3	3062.2	3659.5	3766.8
57.5°	185.6	181.1	145.6	135.6	176.7	177.8	257.3	757.4	2713.8	3369.5	3591.7
60°	140.6	137.2	106.7	110.0	123.4	113.9	205.0	377.3	2028.1	2624.9	2875.5
62.5°	97.2	92.8	79.5	85.0	79.5	65.0	125.6	186.7	1228.5	1657.5	1884.8
65°	71.1	66.1	54.5	46.7	37.2	37.2	47.8	71.7	475.6	704.6	849.6
67.5°	43.9	41.7	32.2	23.3	22.8	24.4	25.0	35.6	76.7	122.2	149.5
70°	28.3	26.1	21.7	15.0	13.9	14.4	15.0	16.7	19.4	21.1	25.6
72.5°	19.4	18.3	15.6	8.3	6.7	7.2	7.8	7.8	9.4	8.9	10.6
75°	13.9	12.8	11.1	3.9	2.2	2.8	3.3	2.8	3.3	2.2	2.8
77.5°	3.9	3.9	2.8	0.6	0.0	0.6	1.1	1.1	0.6	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2
2.5°	800.7	813.5	818.5	811.3	817.4	807.4	803.5	788.5	787.4	784.6
5°	908.5	937.4	954.6	965.2	952.9	939.6	919.6	885.2	874.6	867.9
7.5°	1014.6	1059.6	1089.1	1103.0	1099.6	1072.4	1036.3	978.5	957.9	947.9
10°	1106.9	1161.9	1197.4	1214.7	1207.4	1183.5	1131.9	1059.6	1032.4	1026.3
12.5°	1171.3	1221.9	1246.3	1261.3	1261.9	1252.4	1203.5	1130.8	1098.5	1090.7
15°	1211.9	1233.5	1234.1	1243.0	1258.6	1279.7	1256.9	1192.4	1158.0	1146.3
17.5°	1237.4	1213.5	1189.1	1191.3	1216.9	1273.0	1296.3	1246.9	1210.2	1197.4
20°	1255.8	1180.2	1134.6	1135.2	1161.3	1246.3	1323.6	1299.7	1261.9	1250.2
22.5°	1267.4	1150.8	1085.7	1084.1	1111.9	1214.7	1348.6	1362.5	1325.2	1311.9
25°	1291.3	1136.9	1056.3	1065.7	1090.2	1204.7	1382.5	1445.8	1411.4	1393.6
27.5°	1334.1	1150.8	1053.5	1075.2	1103.0	1234.1	1441.4	1556.9	1521.4	1501.4
30°	1408.0	1203.0	1096.3	1126.3	1159.6	1311.3	1540.3	1712.0	1660.8	1642.0
32.5°	1526.9	1311.3	1228.5	1293.0	1325.2	1438.0	1688.6	1885.9	1844.2	1806.4
35°	1690.8	1558.6	1549.2	1699.2	1691.4	1678.1	1870.9	2099.3	2036.5	1999.8
37.5°	1916.4	1956.5	2026.5	2175.4	2170.4	2068.7	2110.4	2301.0	2268.7	2221.5
40°	2198.2	2283.2	2402.1	2615.5	2548.8	2421.0	2404.3	2507.7	2481.5	2426.0
42.5°	2364.3	2511.0	2737.7	2929.4	2876.1	2652.7	2633.8	2783.8	2726.6	2666.0
45°	2441.5	2696.6	3141.1	3400.6	3238.9	2806.6	2799.4	3143.9	3111.7	3030.5
47.5°	2477.1	2883.8	3613.4	4006.3	3704.0	2941.6	2915.5	3666.2	3624.0	3528.4
50°	2516.5	3142.2	4182.4	4708.0	4265.7	3094.4	3113.3	4152.9	4135.2	4022.4
52.5°	2603.2	3415.6	4883.1	5510.4	4947.0	3333.9	3452.8	4611.9	4491.9	4361.9
55°	2733.3	3713.4	5612.1	6330.0	5642.1	3655.6	3820.1	4855.8	4519.1	4375.2
57.5°	2589.3	3787.9	6043.8	6902.3	5950.5	3656.7	3509.5	4433.0	3974.6	3835.1
60°	2054.8	3523.9	5877.7	6778.4	5687.7	3247.2	2687.1	3461.2	3011.1	2917.7
62.5°	1389.1	2955.5	5174.2	5732.7	4868.1	2554.3	1746.4	2250.9	1864.2	1787.0
65°	761.2	2204.8	4180.7	4336.9	3810.1	1784.2	898.5	976.8	744.0	709.6
67.5°	210.0	1534.7	3076.1	2877.2	2673.2	1161.9	232.3	174.5	124.5	123.4
70°	52.8	1015.2	1843.1	1899.8	1639.2	744.0	44.5	21.1	16.7	16.1
72.5°	22.2	436.7	874.6	1005.2	839.0	344.5	16.1	6.1	5.0	3.9
75°	2.8	35.0	74.5	112.8	77.2	37.2	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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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