

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: P630566

Luminaire Tested: GWS-SA1D-830-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630566
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-SA1D-830-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4560.9 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

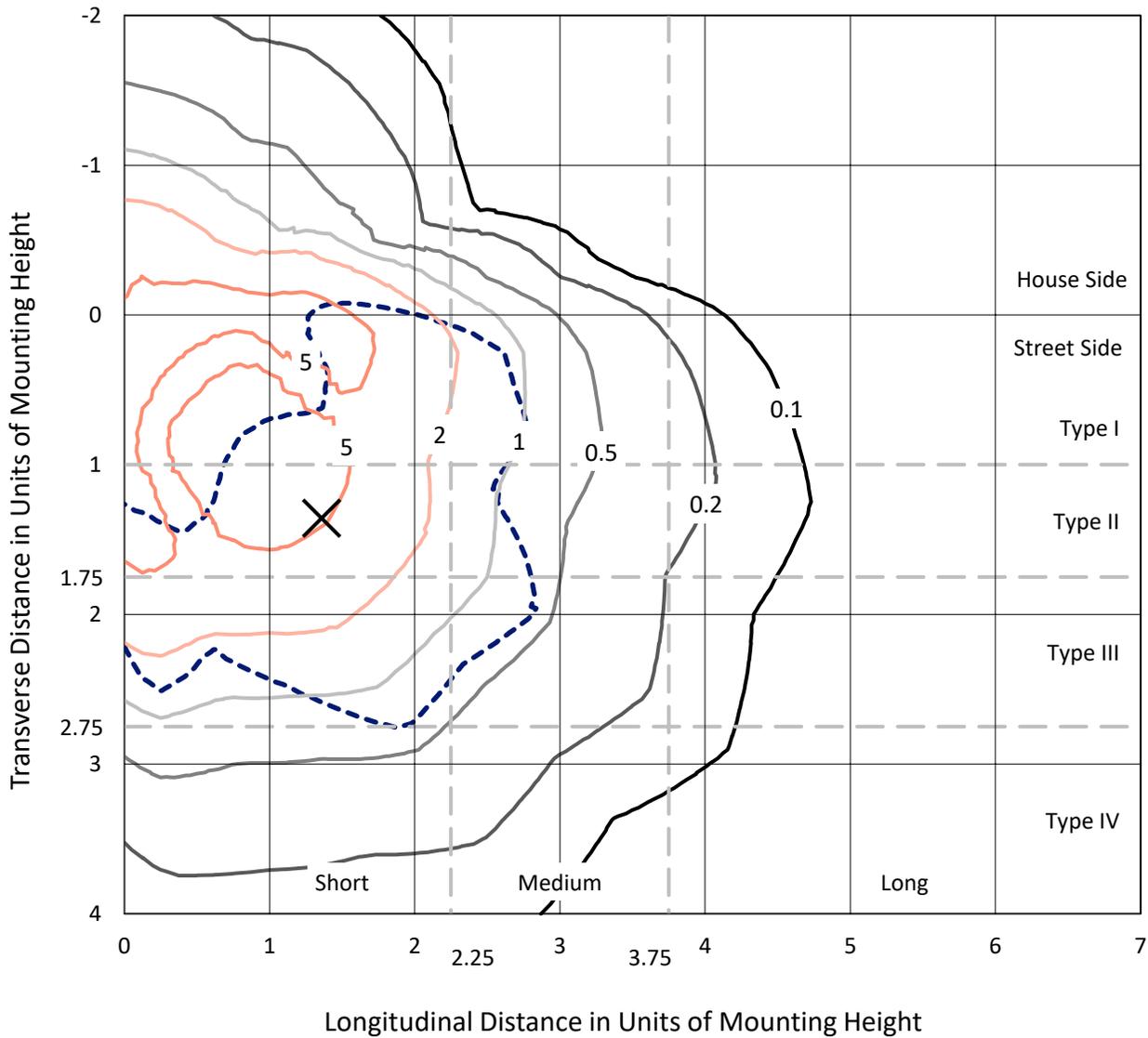
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

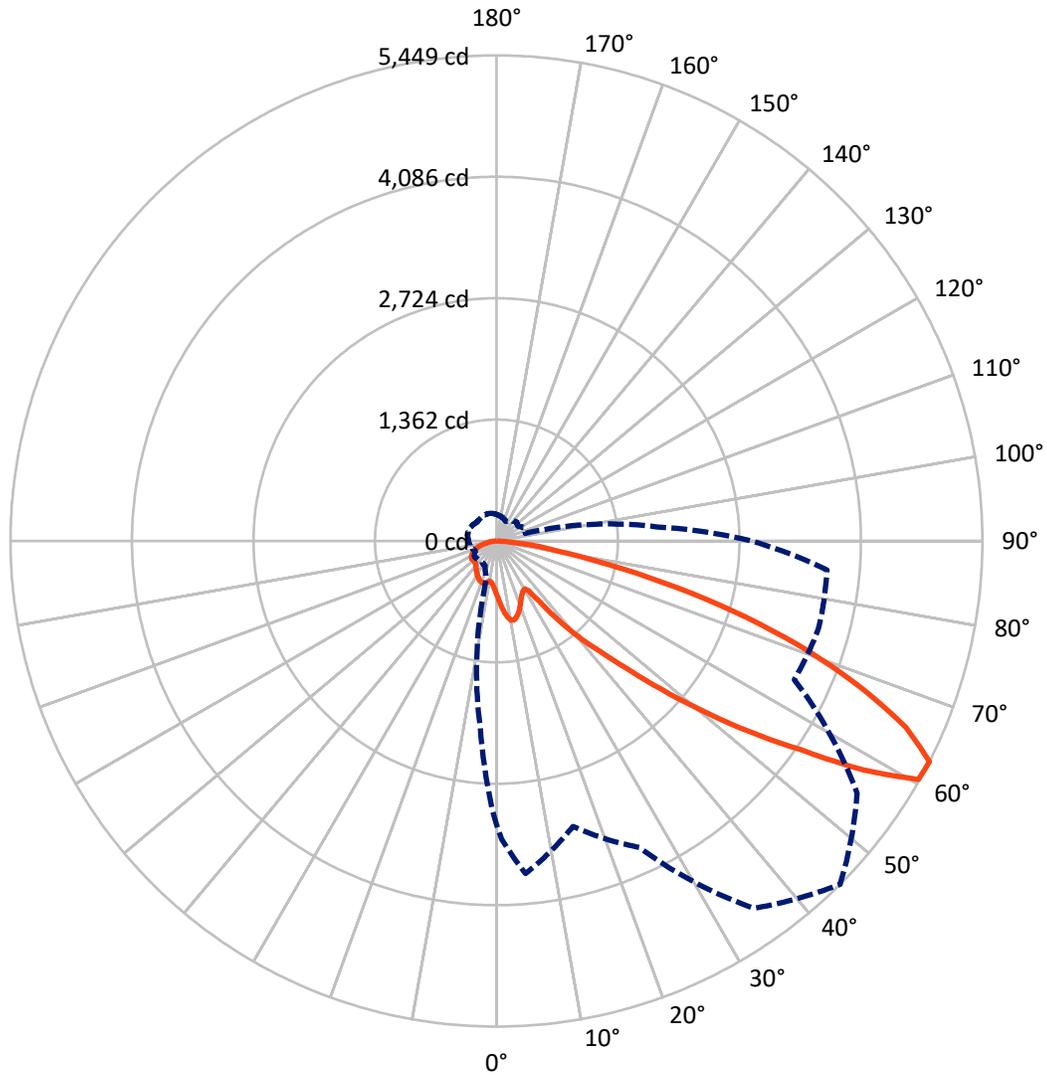
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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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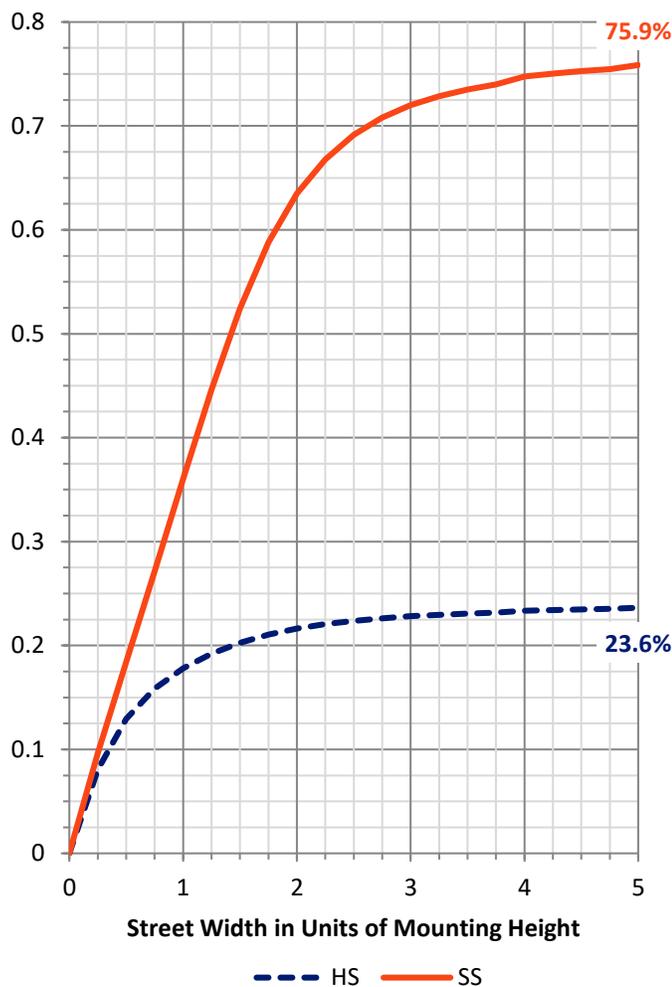
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1088.3	0.0	1088.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3472.6	0.0	3472.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	4560.9	0.0	4560.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.3
10°-20°	185.3	4.1
20°-30°	287.9	6.3
30°-40°	390.8	8.6
40°-50°	619.4	13.6
50°-60°	1092.7	24.0
60°-70°	1215.8	26.7
70°-80°	616.6	13.5
80°-90°	93.4	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°	4560.9	100.0
0°-180°	4560.9	100.0

Coefficient of Utilization



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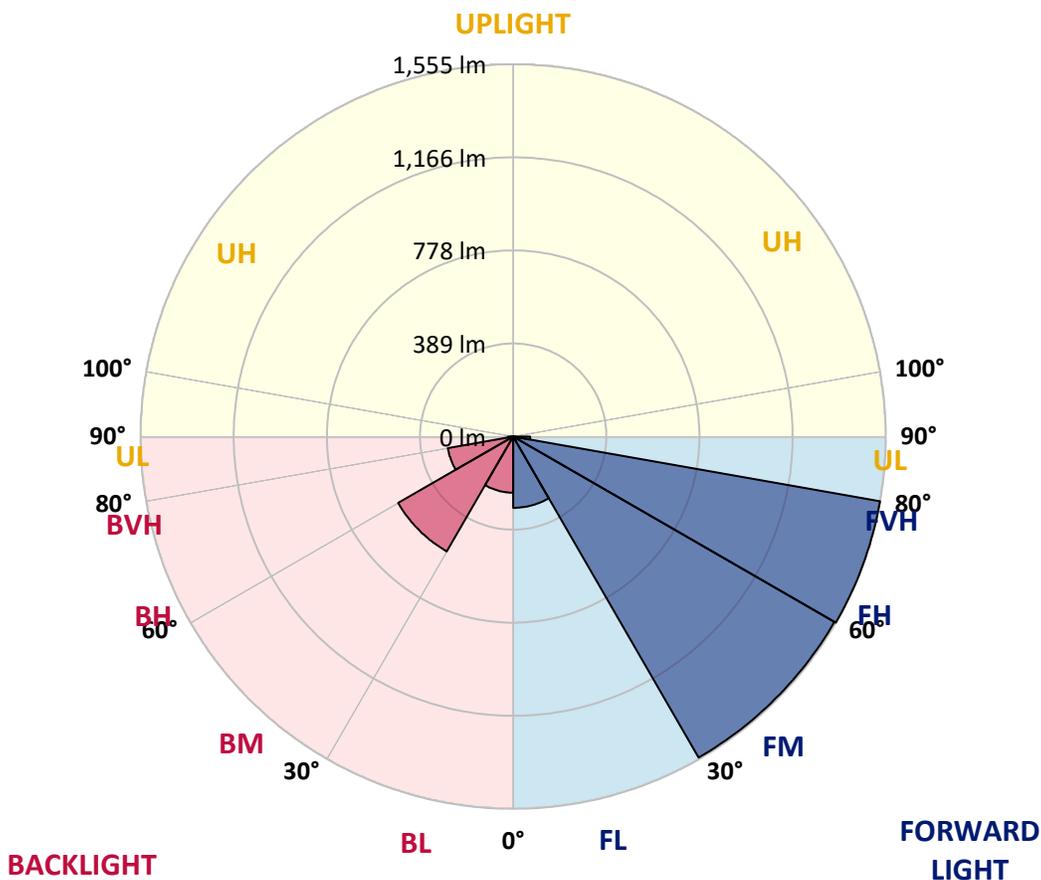
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.8	6.5			
FM (30°-60°)	1548.6	34.0			
FH (60°-80°)	1555.3	34.1			G1/1800
FVH (80°-90°)	70.9	1.6			G1/100
BL (0°-30°)	234.5	5.1	B1/500		
BM (30°-60°)	554.3	12.2	B1/1000		
BH (60°-80°)	277.0	6.1	B1/500		G1/500
BVH (80°-90°)	22.5	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3
2.5°	650.6	650.2	656.8	666.8	676.1	680.3	687.2	686.5	680.9	673.7	671.3
5°	701.7	703.0	714.4	736.5	761.1	771.4	775.9	774.2	764.2	751.4	728.9
7.5°	747.9	750.4	768.0	801.1	831.5	845.3	856.4	854.3	839.8	816.0	782.8
10°	781.8	784.5	805.6	844.6	878.5	890.5	904.7	905.4	892.6	860.5	826.7
12.5°	815.6	818.4	838.1	873.6	895.7	896.1	904.4	908.9	909.5	894.7	860.9
15°	850.8	853.3	871.2	891.2	890.2	870.9	870.9	879.5	898.5	909.2	885.7
17.5°	880.9	884.0	897.8	891.2	860.5	825.6	821.5	832.5	865.7	906.8	904.4
20°	905.7	908.2	915.8	872.2	816.3	770.7	762.8	775.6	820.5	891.9	918.5
22.5°	929.6	930.9	926.8	847.4	768.7	716.5	706.8	720.3	768.7	865.7	930.6
25°	957.9	956.5	936.8	821.5	725.1	673.7	663.7	678.9	729.3	830.8	943.7
27.5°	990.7	985.5	945.5	793.5	691.7	641.9	635.0	651.3	698.2	798.7	954.1
30°	1018.7	1008.6	946.8	768.7	674.4	628.5	624.3	639.5	683.0	776.9	967.2
32.5°	1049.7	1035.9	954.8	762.1	684.1	660.9	666.4	667.5	687.2	770.7	986.9
35°	1094.3	1076.3	976.5	781.1	783.5	822.5	842.6	815.6	749.7	784.5	1024.2
37.5°	1161.6	1138.8	1020.7	863.3	989.0	1076.3	1124.7	1063.2	939.6	836.7	1080.5
40°	1243.5	1214.4	1077.4	1015.2	1181.0	1320.8	1406.8	1316.7	1135.0	966.9	1159.5
42.5°	1357.8	1327.4	1187.2	1164.4	1358.8	1567.0	1679.2	1544.9	1307.3	1135.0	1286.3
45°	1557.0	1527.6	1388.5	1313.9	1567.0	1870.2	2027.6	1840.8	1482.4	1303.9	1523.2
47.5°	1925.1	1890.6	1687.5	1479.6	1804.6	2263.8	2484.1	2212.0	1664.4	1497.3	1920.9
50°	2367.1	2333.9	2062.9	1675.8	2067.0	2684.8	2991.1	2648.2	1874.0	1732.4	2396.4
52.5°	2898.9	2892.6	2598.4	1923.7	2340.2	3133.7	3553.6	3131.3	2103.6	2049.1	2935.1
55°	3378.1	3438.9	3278.7	2301.8	2693.1	3697.6	4132.0	3658.2	2415.1	2572.5	3566.0
57.5°	3636.4	3799.8	4046.0	3073.2	3206.2	4371.6	4845.7	4301.5	2950.3	3444.1	4150.9
60°	3465.9	3650.9	4097.1	3654.0	3715.2	4911.7	5434.8	4842.3	3475.9	4049.1	4117.8
62.5°	3182.0	3348.1	3744.9	3315.0	3793.9	5030.4	5448.6	4936.5	3684.8	3742.1	3719.7
65°	2845.3	3012.8	3433.1	2893.7	3543.5	4748.3	5046.7	4659.2	3309.4	3380.9	3389.2
67.5°	2398.2	2552.9	2980.7	2572.9	3230.0	4334.3	4429.6	4264.2	3047.7	3161.6	3042.5
70°	1791.8	1931.3	2309.1	2090.8	2722.8	3794.9	3717.9	3742.4	2753.8	2867.1	2541.5
72.5°	1224.5	1329.4	1653.3	1643.0	2085.0	3038.0	2930.6	3163.0	2300.1	2450.3	1937.5
75°	856.4	938.2	1195.1	1298.0	1576.0	2251.8	2087.0	2367.4	1796.3	2010.7	1413.7
77.5°	525.6	579.8	754.8	961.7	1013.8	1541.1	1296.3	1781.4	1261.4	1466.5	943.0
80°	262.8	289.0	366.7	604.6	672.3	908.2	715.8	1034.2	853.6	908.2	521.8
82.5°	79.4	87.7	107.4	229.6	348.4	522.8	423.0	600.8	466.2	425.8	205.5
85°	21.1	23.8	29.7	68.0	122.2	187.5	143.0	291.1	223.4	157.1	77.3
87.5°	1.7	1.7	1.4	1.4	0.7	0.0	0.0	20.7	41.8	23.8	13.5
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°	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3
2.5°	659.2	657.8	643.7	633.3	621.2	609.5	597.4	586.7	574.6	562.5	559.1
5°	712.4	702.7	672.7	647.5	622.6	600.8	581.8	562.2	546.3	530.7	524.9
7.5°	759.3	742.4	698.9	660.6	626.0	599.1	571.1	542.5	520.0	497.9	492.4
10°	801.8	779.4	724.5	676.1	637.8	607.1	574.2	535.9	503.5	476.5	469.3
12.5°	833.2	808.7	746.6	691.0	647.5	612.9	580.5	546.6	512.4	477.6	469.6
15°	858.1	832.5	764.9	702.4	647.8	603.3	571.8	560.1	549.4	515.2	500.7
17.5°	878.1	851.2	780.7	709.3	638.5	573.9	546.6	563.9	591.2	569.8	542.5
20°	896.4	869.1	792.8	714.1	617.8	533.5	518.3	554.9	596.0	595.3	570.8
22.5°	916.4	889.9	810.4	716.9	588.7	492.4	501.4	541.8	575.3	585.3	570.1
25°	942.0	918.5	835.0	723.1	555.9	464.1	489.0	524.9	552.8	555.3	546.3
27.5°	971.7	954.1	871.6	737.6	524.2	449.6	474.5	501.0	526.6	527.6	516.9
30°	1004.2	992.4	905.4	749.7	500.4	445.1	455.8	477.2	493.4	496.2	486.9
32.5°	1045.6	1035.2	935.4	741.7	486.2	444.1	438.5	449.6	463.1	463.1	455.8
35°	1102.6	1088.1	967.2	711.3	468.9	439.9	420.2	423.3	429.2	430.3	426.1
37.5°	1183.4	1159.5	999.3	651.3	440.6	425.1	399.2	395.4	397.4	400.2	399.2
40°	1283.5	1244.5	1046.3	579.1	406.8	396.4	377.4	370.2	368.4	374.0	376.0
42.5°	1409.5	1349.8	1096.7	511.7	376.0	363.6	351.9	345.7	342.9	352.2	357.7
45°	1610.9	1512.4	1145.0	445.1	358.8	335.6	327.7	323.2	324.6	335.6	342.5
47.5°	1958.6	1760.7	1191.0	403.0	357.4	315.6	305.9	307.0	310.8	322.5	330.8
50°	2398.5	2093.3	1221.7	385.4	361.5	303.5	290.7	296.3	302.1	313.5	323.2
52.5°	2846.4	2403.0	1185.1	375.7	361.2	303.9	276.6	293.2	295.9	307.3	317.7
55°	3154.4	2437.5	1023.8	360.8	355.7	317.7	265.5	291.8	293.5	303.9	313.2
57.5°	3271.8	2319.4	780.7	365.0	339.1	328.4	260.7	282.1	294.5	303.5	313.2
60°	3129.9	2096.7	474.5	375.7	312.5	327.7	263.8	264.5	285.9	301.1	310.8
62.5°	2862.3	1810.8	333.2	345.3	293.2	309.4	271.1	243.8	270.7	289.0	297.7
65°	2555.6	1474.5	254.1	297.3	283.8	281.1	273.5	225.5	250.0	268.0	275.6
67.5°	2236.2	1146.1	206.5	221.7	256.6	254.1	250.0	209.3	225.5	238.3	246.9
70°	1833.9	801.8	174.4	166.4	220.0	227.9	218.6	188.9	194.1	207.2	214.1
72.5°	1341.5	499.7	143.3	137.4	176.8	199.2	194.4	166.4	168.9	181.3	186.8
75°	964.8	285.9	115.0	113.3	135.0	170.6	160.9	143.3	146.1	155.4	159.2
77.5°	613.3	159.2	88.7	91.2	96.7	127.4	137.4	122.6	122.6	128.1	131.2
80°	328.4	91.2	64.9	66.0	67.7	97.4	108.4	95.0	95.0	91.2	95.0
82.5°	134.0	52.5	44.5	41.4	45.2	66.6	76.0	60.4	63.2	57.0	58.4
85°	44.2	26.2	22.1	21.8	21.4	29.4	36.6	30.0	35.9	22.8	23.8
87.5°	5.9	4.8	2.8	2.1	2.4	1.0	2.1	2.4	2.4	1.7	1.7
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°	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3
2.5°	556.6	553.9	543.9	546.3	544.6	541.8	544.6	539.4	543.5	544.9	553.5
5°	520.4	513.8	504.1	499.3	498.3	495.5	495.9	493.4	494.1	500.0	509.7
7.5°	487.9	481.7	474.1	470.7	467.5	464.4	464.1	463.7	466.5	471.7	481.0
10°	464.4	461.0	457.9	459.3	457.9	456.5	454.1	454.1	458.6	467.9	479.3
12.5°	464.4	463.7	464.4	468.6	468.2	468.6	465.5	467.2	479.6	495.5	511.7
15°	489.3	483.8	483.8	485.8	485.2	485.2	485.2	492.4	520.7	545.2	562.5
17.5°	519.7	503.5	496.6	495.5	495.2	495.2	496.6	512.1	556.3	582.2	592.2
20°	540.8	510.0	498.6	494.1	494.5	495.2	499.3	520.7	569.4	582.5	580.1
22.5°	544.6	504.8	491.0	484.5	485.5	486.2	492.4	515.2	551.5	553.5	548.7
25°	526.9	490.3	475.5	470.3	471.7	471.3	476.9	493.4	519.3	518.7	515.9
27.5°	500.7	467.2	456.2	452.7	455.1	452.4	454.1	466.9	486.9	486.2	485.2
30°	473.8	444.8	434.7	433.0	436.1	432.0	432.3	443.0	456.8	456.2	455.8
32.5°	446.8	422.3	413.3	413.3	416.4	412.0	412.6	422.0	431.3	428.5	428.5
35°	421.3	404.0	396.8	395.4	397.8	394.7	396.1	404.7	408.2	404.4	401.9
37.5°	398.8	391.2	384.0	379.1	379.5	379.8	384.0	390.5	388.5	382.9	379.8
40°	378.1	378.1	371.2	362.2	361.2	363.6	370.5	377.8	371.9	365.7	361.9
42.5°	363.3	366.4	359.8	350.8	348.8	352.9	360.5	365.7	358.8	351.9	346.7
45°	349.5	357.0	352.6	342.5	339.8	344.6	354.3	356.4	347.0	340.5	336.7
47.5°	339.8	350.1	347.0	337.4	333.2	340.1	350.1	349.8	338.1	331.2	328.0
50°	332.9	346.0	345.7	337.4	332.9	341.5	350.5	346.0	333.2	326.0	322.9
52.5°	327.4	345.7	348.1	343.2	340.1	347.7	353.2	344.6	329.8	322.2	319.8
55°	324.9	347.0	348.8	344.3	341.5	348.4	353.2	347.4	329.8	322.9	320.8
57.5°	325.6	345.3	345.7	339.4	334.6	343.2	350.8	349.1	333.6	325.6	323.2
60°	321.5	336.0	336.7	327.0	321.5	331.8	345.3	344.3	331.8	323.6	319.1
62.5°	307.7	320.4	320.8	311.8	303.9	318.7	333.6	333.2	321.8	313.5	308.4
65°	284.5	298.0	301.5	292.8	286.6	302.5	318.0	317.3	305.9	298.3	293.2
67.5°	255.9	270.4	276.9	271.1	268.6	283.2	297.7	297.3	288.0	280.7	276.2
70°	221.0	233.1	244.1	244.1	242.4	259.0	274.5	273.1	264.5	259.0	255.5
72.5°	192.0	201.3	204.8	208.2	213.4	230.7	243.8	244.8	238.6	235.8	238.6
75°	163.3	169.2	172.3	169.5	178.5	196.5	213.7	215.5	208.9	204.4	205.5
77.5°	134.3	140.9	144.0	137.8	137.1	159.9	180.9	184.7	179.2	172.3	174.4
80°	97.0	105.7	110.8	106.7	105.3	115.3	144.3	148.5	143.3	137.8	140.9
82.5°	59.4	64.2	65.6	69.8	78.4	82.5	92.9	106.7	102.9	98.1	106.7
85°	23.5	28.0	31.1	35.2	41.1	48.7	57.3	68.4	62.2	60.1	70.8
87.5°	1.4	0.3	0.0	0.7	5.9	11.4	24.5	33.8	28.3	30.4	36.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3	605.3
2.5°	560.4	569.4	581.5	591.5	604.3	616.4	628.8	641.2	647.8	650.6
5°	520.7	537.3	556.6	578.0	602.9	629.2	655.7	683.0	700.3	701.7
7.5°	496.9	520.7	547.3	574.2	605.0	641.2	683.4	725.5	743.1	747.9
10°	504.5	531.1	552.1	577.4	611.2	656.4	706.2	755.5	775.9	781.8
12.5°	534.9	540.1	546.6	569.8	611.2	669.6	729.6	788.3	810.1	815.6
15°	560.1	535.2	523.5	548.0	602.9	680.9	754.5	819.4	845.7	850.8
17.5°	562.2	519.3	493.8	515.9	588.4	688.9	778.3	853.9	876.0	880.9
20°	541.1	502.4	469.3	482.7	568.7	692.3	795.6	879.2	900.9	905.7
22.5°	517.3	488.6	452.7	452.0	544.9	696.1	816.3	903.0	926.5	929.6
25°	494.8	469.6	439.2	429.6	517.3	703.4	844.3	938.9	956.8	957.9
27.5°	468.6	449.2	428.5	419.2	493.1	717.2	885.7	981.7	992.4	990.7
30°	444.8	430.3	420.9	418.2	477.9	727.6	925.1	1023.8	1024.5	1018.7
32.5°	419.5	414.0	414.0	423.0	465.5	725.1	957.2	1064.9	1058.4	1049.7
35°	397.1	398.1	405.4	426.5	444.8	701.0	987.9	1116.4	1106.7	1094.3
37.5°	375.7	383.6	394.0	414.4	417.5	665.1	1023.8	1189.2	1177.2	1161.6
40°	357.4	369.5	381.6	391.6	388.5	614.0	1073.9	1274.9	1261.4	1243.5
42.5°	342.9	354.6	368.1	369.1	370.2	560.8	1127.1	1379.8	1377.4	1357.8
45°	333.6	341.2	353.9	352.2	369.1	502.1	1176.1	1540.1	1571.8	1557.0
47.5°	327.4	333.2	334.6	341.9	378.1	449.6	1239.3	1853.6	1942.0	1925.1
50°	323.9	329.8	314.2	342.5	379.5	415.8	1326.7	2247.3	2389.5	2367.1
52.5°	323.6	322.2	298.7	349.8	371.9	395.0	1372.3	2534.6	2850.2	2898.9
55°	324.2	307.0	290.7	351.9	356.7	387.4	1219.6	2672.7	3275.2	3378.1
57.5°	318.0	290.4	295.2	343.6	328.0	407.8	901.6	2623.3	3445.1	3636.4
60°	306.3	274.5	303.5	321.1	298.7	372.9	620.9	2403.0	3269.0	3465.9
62.5°	289.4	263.5	302.5	292.1	288.0	305.3	426.8	2094.6	2989.7	3182.0
65°	270.4	254.5	286.3	264.2	266.6	234.8	301.8	1746.6	2656.1	2845.3
67.5°	250.0	249.0	262.4	235.2	225.1	186.1	220.0	1399.9	2227.6	2398.2
70°	226.9	234.5	238.6	208.9	182.7	146.1	163.3	978.9	1643.3	1791.8
72.5°	203.7	204.4	210.3	181.6	136.7	117.1	122.6	592.9	1116.4	1224.5
75°	180.3	173.7	179.2	147.8	101.9	96.0	94.6	366.4	771.1	856.4
77.5°	155.0	147.8	140.5	111.2	81.8	74.2	72.5	205.5	473.1	525.6
80°	126.0	116.4	105.0	81.5	59.7	53.2	52.8	100.1	235.8	262.8
82.5°	98.1	79.8	76.7	50.8	36.9	32.5	34.5	38.3	71.1	79.4
85°	68.7	58.0	40.7	20.4	16.6	13.5	13.1	11.4	19.0	21.1
87.5°	38.3	25.2	13.1	2.4	2.8	3.1	2.4	1.7	1.7	1.7
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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