

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: P630233

Luminaire Tested: GWS-SA1D-730-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2945.8 lumens
Efficiency: N/A
Efficacy: 66.5 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

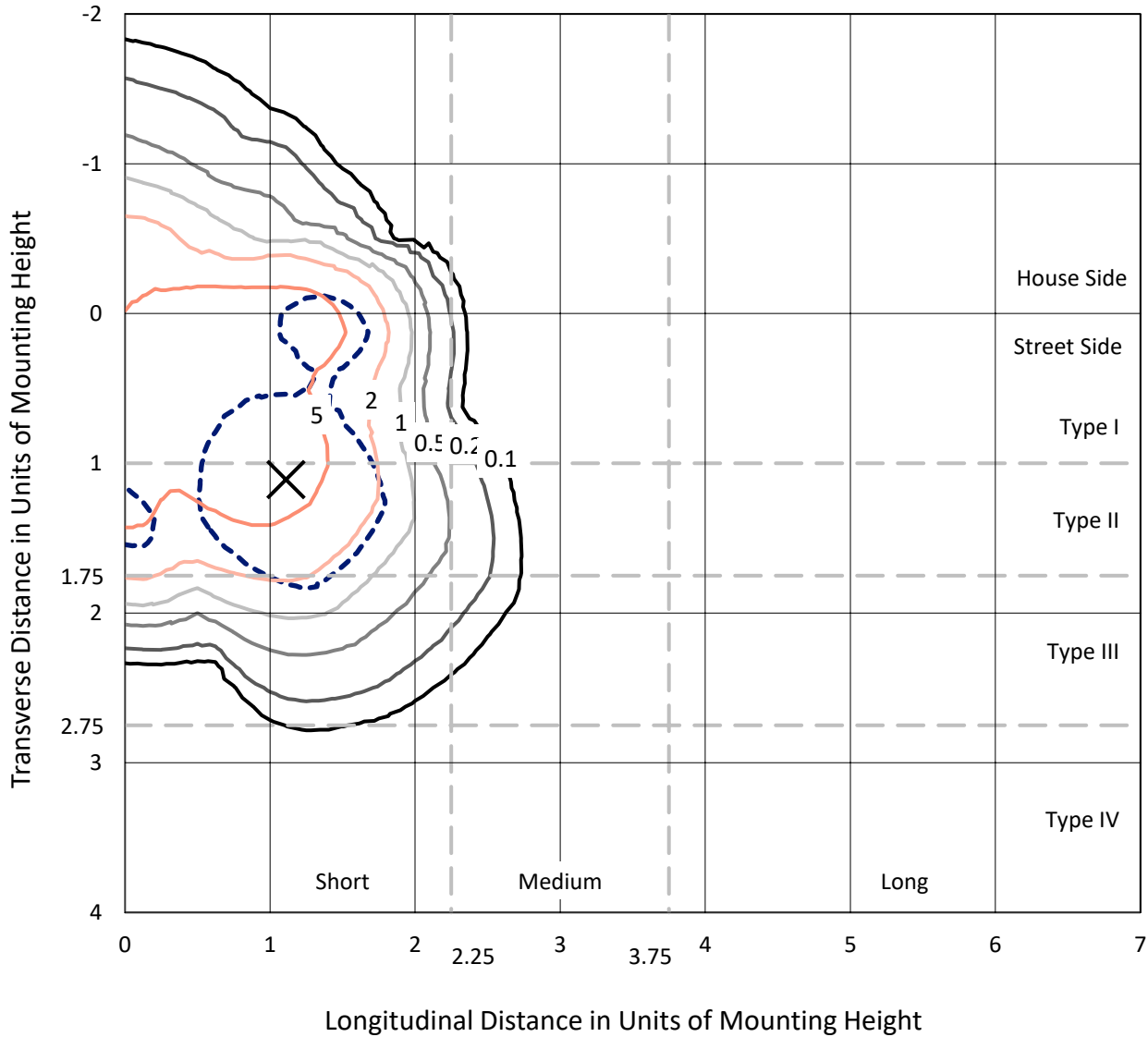
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

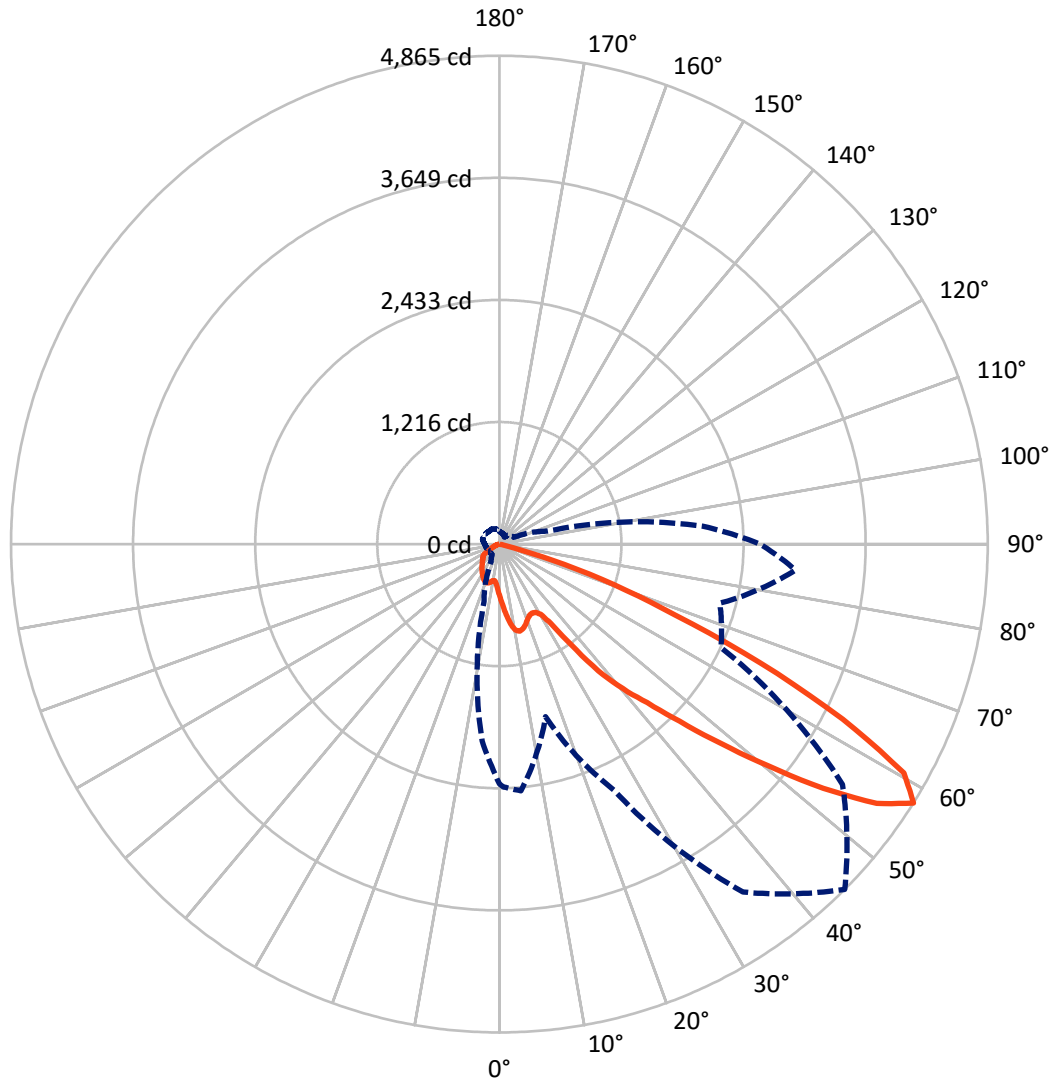
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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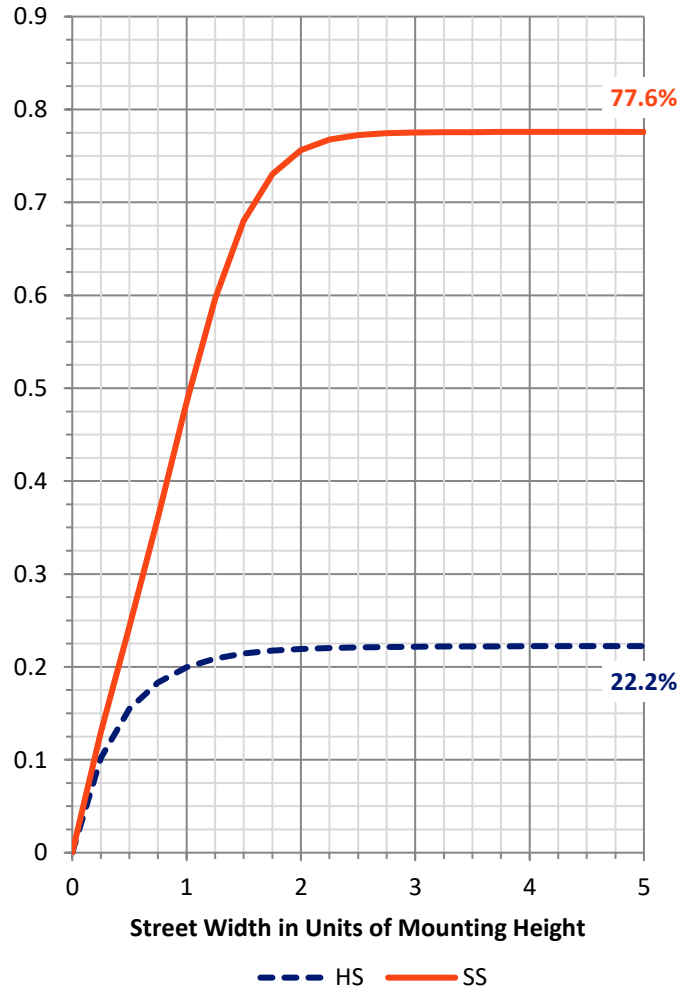
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.6	0.0	659.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2286.2	0.0	2286.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	2945.8	0.0	2945.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	1.7
10°-20°	164.8	5.6
20°-30°	267.7	9.1
30°-40°	413.6	14.0
40°-50°	663.2	22.5
50°-60°	906.4	30.8
60°-70°	439.0	14.9
70°-80°	40.2	1.4
80°-90°	0.1	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°	2945.8	100.0
0°-180°	2945.8	100.0

Coefficient of Utilization



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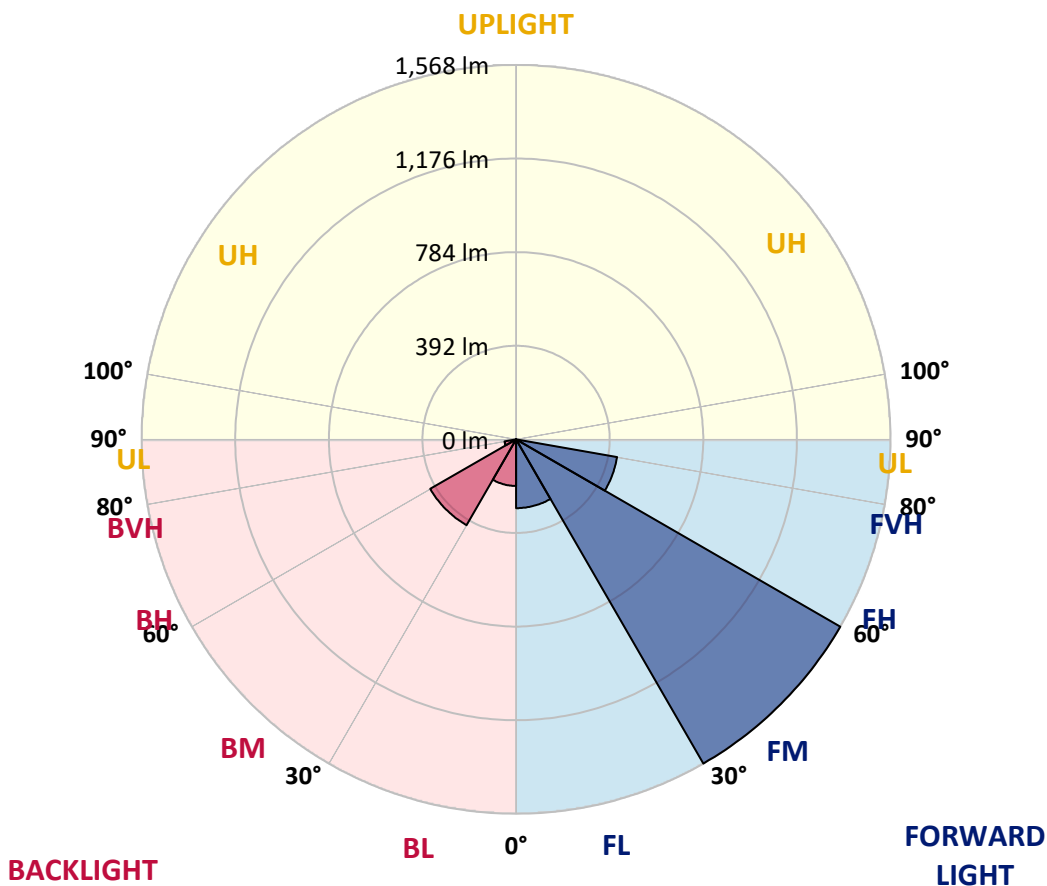
CATALOG NUMBER: GWS-SA1D-730-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.2	9.8			
FM (30°-60°)	1568.1	53.2			
FH (60°-80°)	429.7	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	195.2	6.6	B1/500		
BM (30°-60°)	415.0	14.1	B1/1000		
BH (60°-80°)	49.4	1.7	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°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	560.9	564.5	570.4	583.1	593.8	600.9	604.0	603.3	598.9	595.7	589.4
5°	621.1	621.1	632.5	661.4	683.6	697.5	704.6	700.2	691.5	677.7	656.3
7.5°	673.7	675.7	695.1	736.3	769.9	789.7	801.2	798.8	783.4	756.8	714.1
10°	714.9	717.3	743.0	793.3	832.8	853.0	870.1	871.6	854.6	819.4	770.3
12.5°	754.9	757.2	784.2	832.4	867.3	875.6	890.6	896.6	892.2	867.3	816.2
15°	798.0	803.6	826.5	862.5	877.2	867.3	877.2	887.9	902.5	900.1	854.2
17.5°	840.4	844.3	867.7	880.3	864.1	838.4	843.1	855.8	889.1	921.5	891.8
20°	879.6	885.1	904.5	887.9	838.8	798.8	799.2	815.8	866.5	934.6	930.2
22.5°	920.7	929.0	942.9	896.2	815.4	767.5	769.5	784.6	848.7	946.8	973.8
25°	974.6	982.5	991.6	916.8	807.9	752.1	759.6	773.5	848.7	967.8	1027.6
27.5°	1047.4	1052.9	1053.3	955.2	821.0	754.5	770.3	786.1	874.0	1009.8	1099.6
30°	1138.8	1147.5	1136.1	1014.9	861.7	786.1	809.5	829.3	928.6	1080.6	1205.7
32.5°	1250.1	1262.3	1246.9	1103.6	946.8	895.4	937.7	949.2	1015.7	1183.2	1326.1
35°	1380.7	1391.0	1374.3	1226.3	1145.6	1155.1	1231.8	1217.2	1190.7	1309.4	1466.6
37.5°	1524.0	1533.5	1501.4	1412.3	1439.3	1480.4	1603.1	1552.9	1467.4	1472.1	1619.0
40°	1655.4	1665.7	1615.4	1614.6	1670.0	1745.2	1893.3	1824.0	1707.6	1685.1	1761.9
42.5°	1791.6	1798.7	1753.2	1722.3	1848.2	2002.9	2159.7	2066.3	1866.8	1842.2	1940.8
45°	1985.9	2001.0	1919.8	1775.3	2008.5	2299.4	2517.9	2335.4	1975.2	1955.4	2214.7
47.5°	2271.7	2282.8	2117.3	1808.6	2157.7	2668.7	2965.6	2684.6	2070.6	2025.5	2589.2
50°	2508.0	2515.5	2299.0	1845.0	2316.4	3067.0	3475.9	3098.6	2177.9	2141.5	2938.7
52.5°	2682.2	2710.7	2537.7	1919.8	2525.0	3535.2	4040.7	3589.1	2345.3	2365.5	3228.5
55°	2718.2	2757.0	2700.8	1965.7	2708.7	4012.2	4562.4	4028.0	2512.4	2535.3	3325.8
57.5°	2388.9	2419.8	2466.5	1780.5	2704.4	4230.7	4865.2	4173.7	2436.4	2273.7	2961.3
60°	1789.6	1811.0	1895.7	1360.9	2487.0	4037.5	4629.3	3925.9	2130.4	1735.0	2256.3
62.5°	1061.2	1070.7	1178.0	881.5	2064.3	3477.0	3839.2	3387.6	1683.5	1166.9	1381.9
65°	407.3	403.4	485.3	435.0	1518.0	2769.7	2855.6	2582.4	1155.1	534.8	526.9
67.5°	62.9	60.2	81.1	128.6	1094.9	1919.4	1884.2	1861.2	723.6	124.7	108.9
70°	14.3	14.3	17.4	38.0	669.0	1127.7	1206.9	1150.7	463.1	26.5	14.3
72.5°	6.7	6.7	8.3	16.2	242.3	464.7	541.5	533.2	150.4	8.7	5.1
75°	2.4	2.8	2.8	3.6	14.6	24.1	55.4	39.6	9.5	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	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°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	575.5	572.8	562.5	548.6	535.2	523.3	511.0	496.4	485.7	473.4	469.5
5°	639.7	622.3	594.2	564.9	537.9	515.0	492.8	469.1	451.7	434.2	428.3
7.5°	693.9	668.2	622.7	578.7	541.9	509.4	477.4	444.9	419.6	399.0	392.7
10°	742.6	712.9	651.9	597.7	551.4	513.8	475.0	434.2	401.4	376.8	370.9
12.5°	784.6	750.1	676.9	612.0	555.4	512.2	474.6	442.2	412.5	384.4	376.8
15°	819.8	781.8	697.9	621.5	549.4	492.4	459.6	454.4	452.0	421.2	406.5
17.5°	854.2	811.5	714.9	625.8	532.8	457.6	433.8	457.2	482.1	461.9	443.3
20°	890.2	841.6	732.3	626.6	505.1	418.4	414.4	451.3	482.9	476.6	459.2
22.5°	932.6	879.2	754.1	626.2	470.3	385.2	400.2	439.8	465.5	465.1	451.3
25°	993.9	926.7	783.4	628.6	432.3	359.4	384.4	420.4	441.4	440.6	429.1
27.5°	1059.7	983.3	821.4	634.5	399.8	344.4	365.8	393.9	412.1	411.3	401.4
30°	1151.9	1048.6	857.8	634.9	376.4	336.5	345.2	364.6	382.0	380.0	372.5
32.5°	1263.9	1122.2	888.3	612.4	361.8	328.9	323.8	333.7	347.1	344.4	342.4
35°	1399.3	1209.7	914.4	562.9	339.2	313.9	300.0	302.0	311.5	313.1	312.3
37.5°	1553.7	1313.8	946.8	497.6	308.8	292.1	273.5	271.9	277.5	282.6	286.6
40°	1706.1	1431.0	990.8	431.5	281.0	264.4	246.6	242.6	245.0	254.1	262.4
42.5°	1877.5	1566.7	1038.3	374.9	262.0	233.9	216.9	209.4	216.1	230.8	240.7
45°	2124.5	1757.1	1084.6	329.7	254.1	207.0	184.1	183.3	190.8	209.8	220.9
47.5°	2471.2	2003.3	1115.1	294.5	253.7	186.0	158.7	163.5	172.2	190.8	203.5
50°	2809.3	2311.7	1081.4	267.6	245.4	172.2	139.7	149.2	157.9	174.2	187.2
52.5°	3013.1	2477.5	950.4	242.3	219.7	165.9	121.1	137.8	139.3	154.0	167.8
55°	2991.7	2370.3	727.9	203.1	181.7	156.8	101.7	124.3	125.1	136.2	148.0
57.5°	2596.7	2035.0	499.9	164.7	136.6	129.4	83.9	104.9	112.4	119.1	127.9
60°	1935.3	1484.8	222.9	133.8	86.7	87.5	71.6	79.2	90.6	98.6	106.1
62.5°	1140.4	854.2	90.6	80.4	47.9	55.0	57.8	57.8	64.9	70.9	75.6
65°	431.1	298.9	36.8	40.4	24.9	25.7	34.0	42.0	47.5	52.6	59.0
67.5°	75.6	52.3	19.0	15.0	14.6	13.1	17.4	27.3	30.5	34.4	37.2
70°	12.7	10.7	7.9	7.5	6.7	7.1	11.5	19.4	21.4	22.6	23.8
72.5°	3.6	3.2	2.4	2.0	1.6	2.0	7.1	15.0	15.8	16.6	17.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	10.7	11.5	11.9	13.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	4.0	3.2
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°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	467.1	459.2	454.8	452.4	452.4	449.3	445.7	444.5	449.7	449.7	458.4
5°	420.8	414.4	407.3	403.0	396.2	397.4	393.5	393.1	398.2	400.6	409.7
7.5°	388.7	380.8	376.4	373.7	370.1	368.5	365.0	363.8	366.5	370.5	379.2
10°	367.3	366.2	365.8	367.7	367.7	365.8	362.6	360.6	361.4	368.9	378.8
12.5°	372.9	375.3	376.0	379.2	380.8	379.2	376.8	377.6	382.8	396.6	411.3
15°	397.0	395.0	394.3	395.8	397.0	395.4	394.7	400.6	418.4	438.2	454.8
17.5°	422.8	410.1	404.5	404.5	405.3	404.5	405.3	416.8	445.7	465.5	477.8
20°	435.8	412.5	403.8	401.8	403.4	403.8	406.5	419.6	451.3	465.1	467.9
22.5°	431.9	402.6	392.7	391.1	392.7	394.3	397.0	408.1	437.8	444.9	443.7
25°	412.1	383.2	375.3	375.3	378.8	378.4	379.6	387.5	412.1	416.4	414.4
27.5°	387.1	359.8	353.1	357.0	360.2	359.4	359.8	366.5	384.8	385.9	384.0
30°	361.8	338.0	331.7	336.5	340.8	340.0	340.4	347.1	358.6	357.4	354.7
32.5°	336.1	318.6	313.9	316.7	323.4	322.6	324.2	331.3	335.7	330.5	327.4
35°	312.3	303.2	299.6	301.2	306.4	307.6	310.3	315.1	315.1	308.8	303.2
37.5°	290.1	289.0	286.6	284.6	289.4	292.9	296.9	302.4	294.5	285.4	280.3
40°	269.6	274.7	271.5	266.4	269.2	274.3	282.2	286.6	277.1	268.0	259.3
42.5°	250.6	259.3	258.1	251.8	254.1	258.9	268.0	271.5	260.5	250.2	241.9
45°	232.4	244.6	245.4	237.5	239.9	244.6	255.3	256.5	242.3	231.2	225.2
47.5°	216.5	230.0	230.4	224.4	225.2	232.0	241.9	242.3	226.0	215.7	208.2
50°	201.5	216.9	218.1	213.0	213.8	221.7	230.0	228.4	211.0	200.3	193.6
52.5°	183.3	204.3	207.0	204.6	207.8	214.1	219.3	213.8	193.6	182.9	176.9
55°	163.5	190.8	196.7	195.1	198.7	203.9	205.0	201.5	176.1	165.5	159.9
57.5°	140.5	157.1	167.4	164.3	167.0	172.2	175.8	173.0	154.0	145.7	140.9
60°	116.4	127.5	129.8	124.7	122.3	131.4	139.7	136.2	119.9	114.8	109.3
62.5°	85.1	97.8	99.4	92.6	89.9	99.8	106.9	103.3	85.5	80.0	75.6
65°	68.1	80.0	83.1	76.8	75.2	82.7	87.1	78.4	65.7	59.8	55.0
67.5°	44.7	54.2	62.5	62.1	59.0	61.4	58.2	51.1	42.0	38.8	35.6
70°	27.7	33.3	38.4	40.4	40.0	39.2	34.8	29.7	26.9	25.7	24.1
72.5°	21.4	26.9	30.9	32.1	32.5	31.3	27.7	23.0	20.2	18.6	17.4
75°	15.8	20.2	23.4	24.9	25.7	24.9	21.4	18.2	15.4	14.3	13.1
77.5°	5.5	6.7	8.3	9.1	8.7	8.3	7.5	7.5	5.9	5.5	4.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	468.3	475.4	488.5	500.3	513.0	526.1	540.3	555.0	561.7	560.9
5°	423.5	439.0	460.4	483.7	509.8	537.9	569.2	601.3	615.1	621.1
7.5°	395.4	417.2	445.3	475.0	509.4	549.4	596.5	646.8	667.0	673.7
10°	399.0	424.3	447.7	476.6	513.4	565.3	623.8	683.6	707.4	714.9
12.5°	427.9	433.4	439.8	463.5	509.8	577.1	648.8	720.0	747.3	754.9
15°	454.0	428.3	416.4	438.2	497.2	585.4	674.1	759.2	789.3	798.0
17.5°	455.2	416.4	389.9	406.9	476.6	589.0	699.0	799.2	832.1	840.4
20°	440.6	403.4	369.3	369.7	448.5	588.2	719.6	835.2	872.0	879.6
22.5°	419.2	387.9	352.7	340.4	418.4	586.6	742.2	873.6	913.6	920.7
25°	395.4	368.1	336.9	318.3	388.3	588.2	773.9	923.9	967.8	974.6
27.5°	369.7	346.4	324.6	309.5	363.0	594.2	811.9	988.0	1040.3	1047.4
30°	342.8	325.4	316.7	307.6	347.1	595.7	853.0	1062.8	1128.9	1138.8
32.5°	316.3	306.8	307.2	308.8	332.1	584.7	890.6	1146.0	1234.2	1250.1
35°	291.7	289.0	296.9	304.8	310.3	556.2	923.5	1244.1	1364.5	1380.7
37.5°	270.8	273.1	283.0	290.9	286.6	515.8	967.0	1366.8	1510.1	1524.0
40°	250.6	256.5	268.0	271.5	268.4	468.7	1019.3	1485.2	1636.4	1655.4
42.5°	232.0	236.3	252.5	253.3	263.2	420.8	1069.6	1612.6	1781.7	1791.6
45°	216.9	216.1	232.8	237.9	270.0	367.7	1118.6	1782.5	1971.7	1985.9
47.5°	202.3	201.5	205.4	228.8	272.7	318.6	1167.3	2031.0	2247.2	2271.7
50°	188.4	189.6	177.3	224.4	257.7	281.0	1189.5	2261.0	2497.7	2508.0
52.5°	176.1	171.8	150.4	210.2	225.6	245.4	1126.6	2365.5	2652.9	2682.2
55°	158.7	134.6	123.9	170.6	178.1	214.1	922.7	2305.0	2666.4	2718.2
57.5°	135.8	105.7	105.3	125.9	125.9	198.7	591.0	1969.3	2297.8	2388.9
60°	104.5	81.9	87.1	87.5	80.8	144.9	331.7	1426.6	1698.9	1789.6
62.5°	74.4	62.5	65.7	52.3	46.3	72.4	159.1	821.4	1048.6	1061.2
65°	49.9	42.4	34.4	28.9	28.5	30.9	65.7	296.9	361.0	407.3
67.5°	32.9	25.7	18.2	18.2	20.6	20.6	24.9	49.1	68.9	62.9
70°	21.4	17.8	11.5	11.1	13.5	13.5	12.7	13.5	14.3	14.3
72.5°	15.8	13.5	6.7	5.9	7.5	7.9	7.1	6.7	6.7	6.7
75°	11.9	9.5	4.0	2.8	3.6	4.8	4.0	2.8	2.8	2.4
77.5°	4.8	3.6	1.6	1.2	2.0	2.8	2.4	1.2	0.8	0.8
80°	0.4	0.8	0.8	0.8	1.2	1.6	2.0	0.8	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.8	1.2	1.6	0.8	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.8	1.2	0.8	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.2	0.8	0.4	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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