

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P950344

Luminaire Tested: **GLAN-SB4D-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35337 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



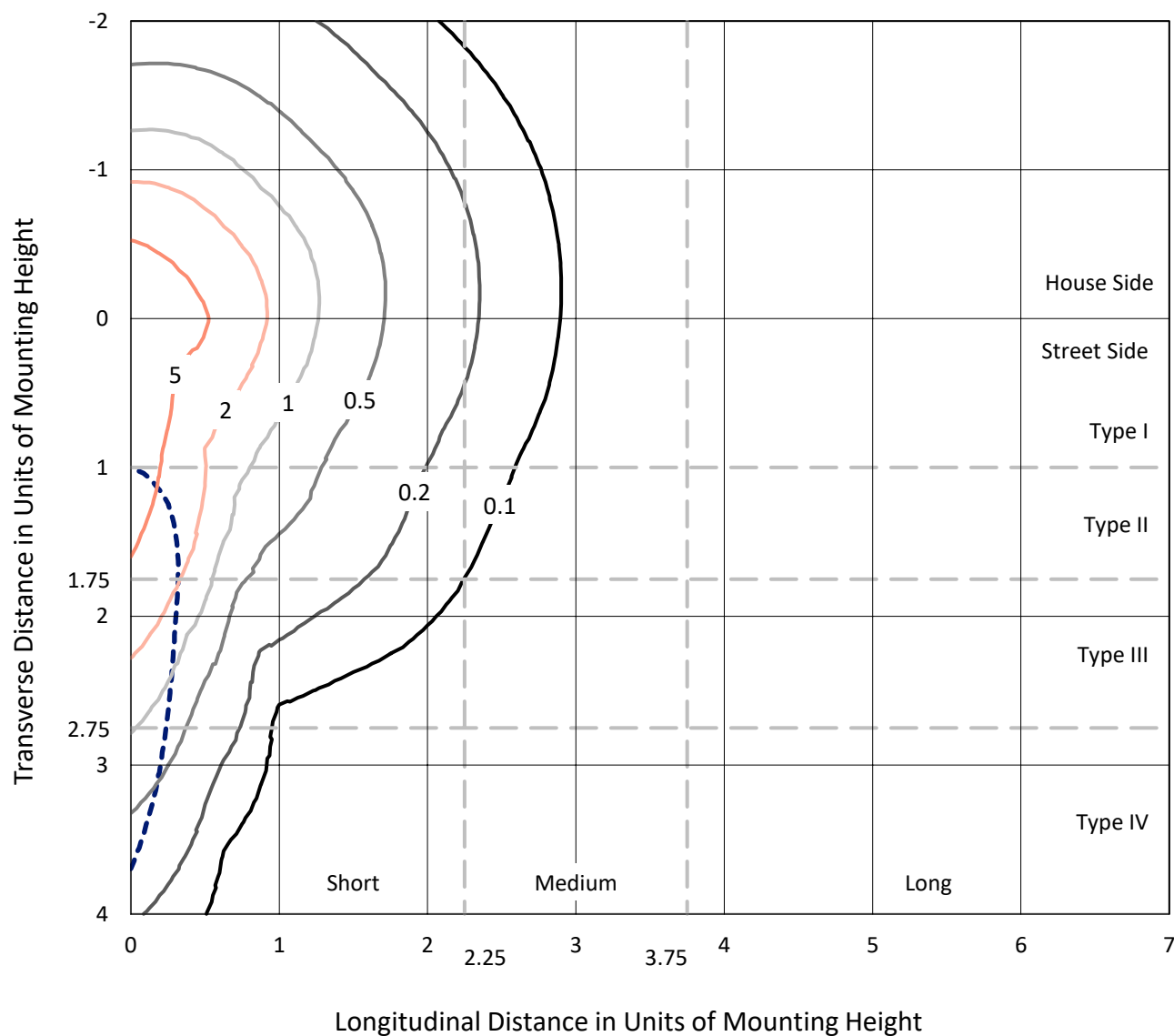
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

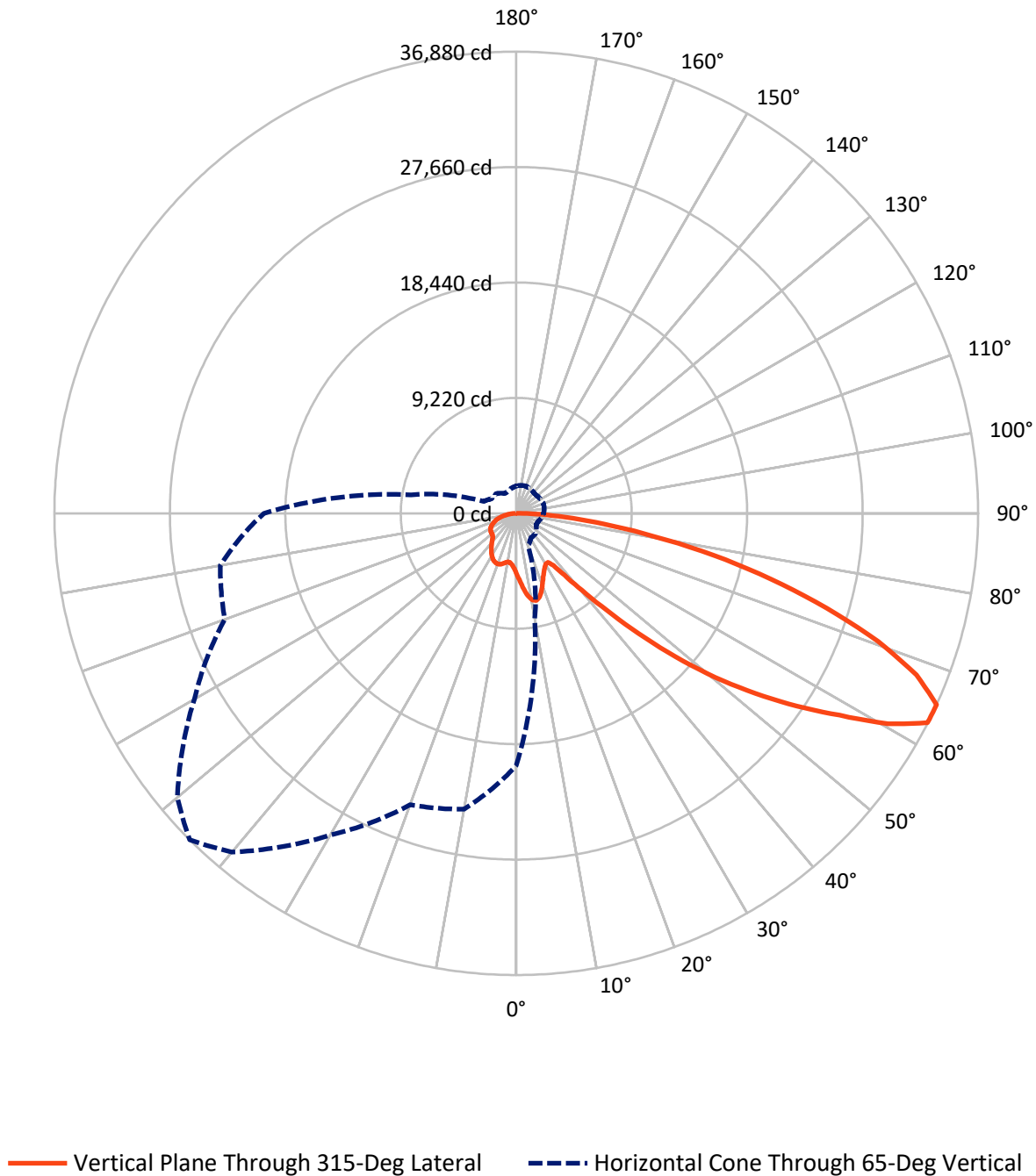


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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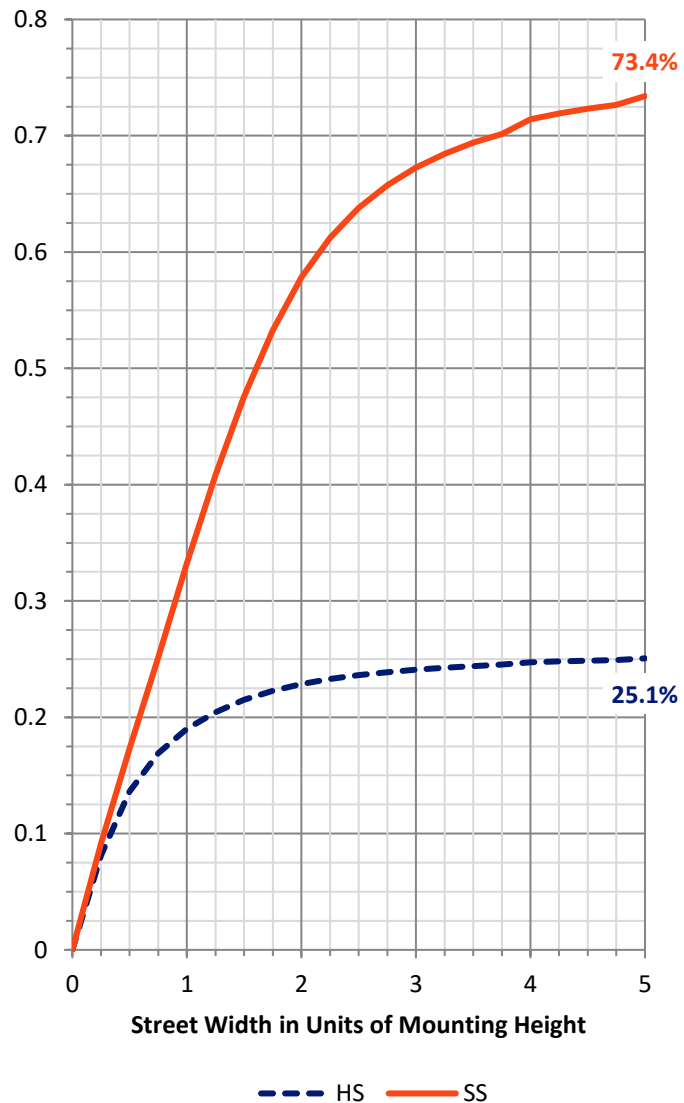
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8980.9	0.0	8980.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	26356.1	0.0	26356.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	35337.0	0.0	35337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.0	1.4
10°-20°	1513.2	4.3
20°-30°	2337.3	6.6
30°-40°	2962.0	8.4
40°-50°	4467.4	12.6
50°-60°	7217.8	20.4
60°-70°	8998.1	25.5
70°-80°	5900.5	16.7
80°-90°	1458.7	4.1
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°	35337.0	100.0
0°-180°	35337.0	100.0

Coefficient of Utilization



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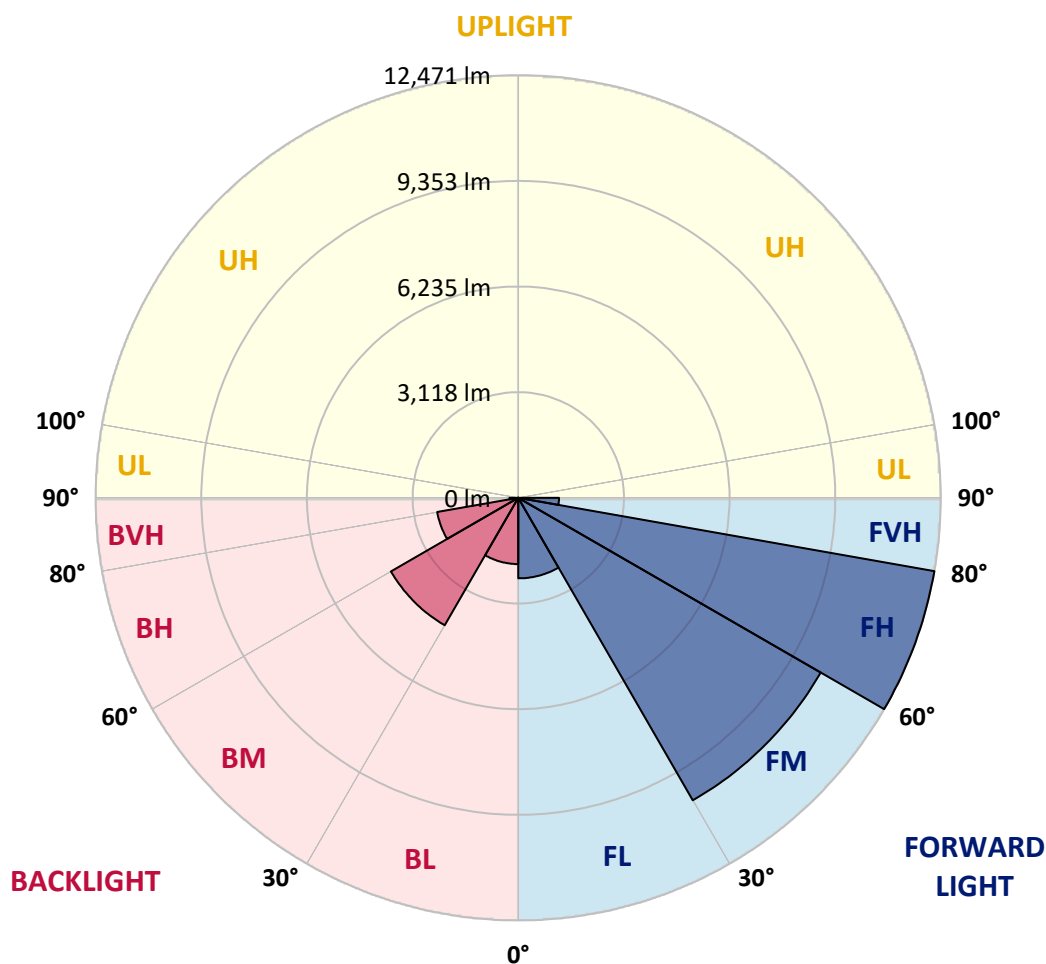
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2376.8	6.7			
FM	(30°-60°)	10307.0	29.2			
FH	(60°-80°)	12470.6	35.3			G5
FVH	(80°-90°)	1201.7	3.4			G5
BL	(0°-30°)	1955.7	5.5	B3/2500		
BM	(30°-60°)	4340.1	12.3	B3/5000		
BH	(60°-80°)	2428.0	6.9	B3/2500		G3/2500
BVH	(80°-90°)	257.1	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
2.5°	5225.5	5185.4	5145.4	5102.7	5060.1	5017.3	4974.4	4933.4	4892.3	4852.6
5°	5619.0	5530.4	5441.8	5353.4	5265.3	5176.3	5087.6	5004.6	4921.6	4843.3
7.5°	6014.3	5868.1	5722.1	5587.1	5452.1	5320.6	5189.2	5073.4	4957.6	4850.8
10°	6317.3	6132.5	5947.7	5769.3	5591.0	5431.4	5271.6	5134.7	4997.5	4865.7
12.5°	6502.8	6299.7	6096.9	5894.7	5692.6	5504.3	5316.0	5161.0	5006.1	4867.5
15°	6615.6	6404.0	6192.3	5973.1	5753.8	5536.9	5320.1	5140.7	4961.3	4807.9
17.5°	6679.0	6464.4	6249.8	6010.5	5771.3	5519.6	5267.9	5052.1	4836.4	4655.9
20°	6748.9	6525.9	6302.7	6039.8	5776.9	5471.8	5166.8	4899.4	4632.0	4421.9
22.5°	6830.0	6602.2	6374.1	6079.3	5784.4	5413.3	5042.2	4720.2	4398.2	4159.0
25°	6934.4	6711.1	6487.9	6150.9	5813.8	5355.5	4897.4	4520.2	4143.1	3897.9
27.5°	7076.1	6863.2	6650.1	6262.8	5875.3	5316.9	4758.5	4337.2	3916.0	3692.8
30°	7267.3	7061.4	6855.8	6407.7	5959.6	5298.8	4637.6	4184.3	3731.1	3543.7
32.5°	7492.9	7289.1	7085.5	6558.9	6032.3	5276.4	4520.2	4052.5	3584.7	3433.7
35°	7767.0	7571.9	7376.7	6731.2	6085.7	5234.3	4383.3	3922.9	3462.6	3336.7
37.5°	8228.5	7979.7	7731.0	6924.2	6117.4	5162.1	4206.9	3770.4	3333.9	3223.9
40°	8925.8	8563.4	8200.9	7169.2	6137.3	5062.8	3988.4	3588.4	3188.5	3088.7
42.5°	9850.7	9327.5	8804.3	7489.7	6175.2	4960.2	3745.6	3387.6	3029.6	2937.7
45°	10992.7	10287.0	9581.2	7911.5	6241.7	4864.9	3488.3	3174.3	2860.3	2767.1
47.5°	12421.0	11427.7	10434.3	8360.9	6287.4	4786.2	3285.0	3005.5	2726.0	2605.8
50°	14293.1	12795.6	11298.0	8777.8	6257.6	4700.5	3143.3	2893.5	2643.6	2485.5
52.5°	16442.0	14232.5	12022.9	9048.5	6073.9	4555.6	3037.4	2819.6	2602.0	2420.2
55°	18729.9	15506.4	12283.0	8988.9	5694.5	4315.4	2936.4	2766.1	2595.9	2426.8
57.5°	20810.8	16409.2	12007.6	8568.9	5130.4	3976.8	2823.0	2702.7	2582.5	2433.3
60°	22068.4	16634.8	11201.0	7787.5	4374.0	3537.1	2700.3	2605.8	2511.2	2412.8
62.5°	21429.8	15684.8	9939.8	6730.8	3521.9	3011.0	2500.1	2437.2	2374.6	2362.4
65°	20151.6	14340.6	8529.6	5652.7	2776.0	2537.5	2299.0	2269.4	2239.8	2241.2
67.5°	18439.0	12741.0	7043.0	4596.6	2150.3	2082.6	2014.7	2031.3	2047.7	2043.6
70°	16381.4	10995.5	5609.6	3619.2	1628.7	1648.1	1667.3	1744.1	1820.8	1820.8
72.5°	13929.5	9103.3	4277.4	2766.9	1256.4	1314.7	1373.3	1482.2	1590.9	1609.1
75°	10827.7	6934.3	3040.8	2008.2	975.6	1028.5	1081.5	1203.4	1325.4	1409.6
77.5°	7736.2	4853.4	1970.5	1360.8	751.1	787.0	823.2	941.6	1060.0	1198.9
80°	5063.3	3126.9	1190.5	876.7	563.1	578.0	592.9	693.3	793.4	959.3
82.5°	2943.3	1809.8	676.5	539.2	402.4	405.0	408.0	481.8	555.7	697.4
85°	1295.0	814.1	333.4	288.3	243.3	242.0	240.5	294.6	348.7	454.0
87.5°	400.9	266.6	132.4	119.5	106.7	105.3	104.0	126.0	148.2	192.1
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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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4808.4	2.5°	4772.6	4737.0	4704.8	4672.7	4644.5	4616.4	4588.0	4559.9	4538.1	4516.1
4765.9	5°	4698.4	4630.7	4574.0	4517.5	4467.6	4417.6	4372.3	4326.8	4291.9	4256.9
4750.6	7.5°	4660.7	4571.1	4496.5	4421.9	4359.1	4296.0	4240.5	4185.1	4143.5	4102.1
4758.1	10°	4663.4	4568.6	4494.1	4419.5	4351.8	4283.9	4221.4	4159.0	4109.4	4059.6
4767.4	12.5°	4689.8	4612.6	4563.0	4513.8	4460.5	4407.5	4342.8	4278.3	4214.9	4151.5
4727.7	15°	4690.6	4653.7	4660.4	4667.1	4653.3	4639.5	4583.4	4527.2	4437.0	4346.8
4606.5	17.5°	4620.1	4633.5	4714.8	4796.1	4839.4	4882.4	4837.1	4792.0	4672.5	4553.0
4408.8	20°	4472.2	4535.6	4676.8	4818.1	4908.6	4999.0	4978.1	4957.0	4820.4	4683.9
4184.5	22.5°	4278.3	4372.1	4533.2	4694.7	4812.3	4930.0	4942.7	4955.2	4824.6	4694.1
3966.9	25°	4075.1	4183.2	4328.1	4473.2	4589.0	4704.8	4748.0	4791.1	4684.1	4577.2
3776.7	27.5°	3881.2	3985.6	4104.7	4223.7	4316.5	4409.4	4457.5	4505.8	4429.5	4353.5
3609.5	30°	3692.3	3775.4	3874.3	3973.1	4050.1	4127.3	4166.4	4205.6	4147.6	4089.4
3462.9	32.5°	3512.0	3561.0	3639.9	3718.9	3792.8	3866.8	3910.2	3953.9	3900.6	3847.0
3324.6	35°	3338.0	3351.6	3411.8	3471.9	3545.0	3618.3	3670.5	3722.7	3684.6	3646.8
3179.5	37.5°	3164.6	3149.7	3192.9	3236.0	3308.9	3382.0	3446.5	3511.0	3493.5	3476.0
3020.6	40°	2986.9	2953.1	2984.3	3015.4	3085.9	3156.4	3230.6	3305.0	3309.3	3313.4
2851.9	42.5°	2807.2	2762.4	2787.8	2813.3	2880.1	2947.0	3027.2	3107.4	3128.8	3150.2
2684.1	45°	2640.5	2597.0	2618.3	2639.9	2703.3	2766.7	2849.9	2933.0	2963.8	2994.5
2534.4	47.5°	2497.8	2461.3	2481.4	2501.4	2563.4	2625.4	2707.4	2789.4	2824.9	2860.3
2402.5	50°	2370.1	2337.8	2369.2	2400.7	2459.2	2517.6	2591.0	2664.5	2710.0	2755.5
2304.3	52.5°	2272.2	2240.3	2287.5	2334.5	2388.2	2441.7	2510.1	2578.7	2632.6	2686.5
2252.1	55°	2201.3	2150.8	2217.8	2284.5	2342.3	2400.1	2460.2	2520.0	2577.1	2634.3
2220.7	57.5°	2146.9	2073.1	2145.0	2217.0	2284.9	2352.7	2412.0	2471.5	2529.1	2586.6
2191.3	60°	2095.6	1999.8	2063.0	2126.0	2204.0	2281.9	2342.1	2402.5	2460.3	2518.1
2157.0	62.5°	2037.3	1917.7	1957.8	1997.9	2088.7	2179.7	2244.0	2308.4	2361.3	2414.3
2084.6	65°	1957.5	1830.1	1845.6	1860.9	1958.2	2055.7	2117.3	2178.8	2225.4	2272.0
1955.6	67.5°	1849.7	1743.8	1738.9	1734.1	1823.9	1914.0	1972.4	2030.5	2070.8	2111.1
1791.9	70°	1716.5	1641.2	1624.4	1607.7	1686.7	1765.8	1816.1	1866.5	1902.8	1939.2
1609.5	72.5°	1557.9	1506.2	1481.6	1457.2	1519.5	1581.6	1627.0	1672.5	1708.2	1743.8
1402.6	75°	1362.8	1322.9	1299.4	1275.8	1322.0	1368.2	1409.4	1450.7	1483.1	1515.5
1195.2	77.5°	1163.3	1131.4	1107.6	1083.7	1121.4	1158.8	1194.3	1229.7	1263.8	1297.8
958.8	80°	932.1	905.3	885.3	865.2	896.5	927.6	957.5	987.3	1013.2	1039.0
705.2	82.5°	692.1	679.1	664.9	650.7	648.1	645.5	635.1	624.6	679.8	735.0
464.3	85°	450.3	436.3	420.5	404.6	391.2	377.6	348.7	319.8	371.4	423.3
205.1	87.5°	199.5	193.9	190.9	188.0	187.4	186.8	164.8	142.6	164.3	186.1
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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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4498.3	2.5°	4480.6	4466.8	4453.0	4440.4	4427.5	4411.6	4427.5	4440.4	4453.0	4466.8
4232.5	5°	4208.0	4190.7	4173.3	4160.1	4146.9	4133.8	4146.9	4160.1	4173.3	4190.7
4073.0	7.5°	4043.9	4024.0	4004.2	3992.3	3980.5	3971.6	3980.5	3992.3	4004.2	4024.0
4027.2	10°	3994.3	3975.5	3956.7	3946.6	3936.5	3932.4	3936.5	3946.6	3956.7	3975.5
4109.6	12.5°	4067.6	4046.6	4025.7	4017.1	4008.5	4007.0	4008.5	4017.1	4025.7	4046.6
4283.0	15°	4219.2	4189.9	4160.8	4149.7	4138.5	4137.5	4138.5	4149.7	4160.8	4189.9
4459.0	17.5°	4365.0	4321.8	4278.3	4264.1	4249.8	4247.6	4249.8	4264.1	4278.3	4321.8
4568.6	20°	4453.6	4398.2	4342.6	4324.9	4307.2	4301.6	4307.2	4324.9	4342.6	4398.2
4575.5	22.5°	4456.8	4398.4	4339.9	4320.3	4300.7	4292.3	4300.7	4320.3	4339.9	4398.4
4471.7	25°	4366.5	4315.8	4265.3	4246.8	4228.5	4217.7	4228.5	4246.8	4265.3	4315.8
4271.6	27.5°	4189.8	4155.8	4121.7	4113.3	4104.9	4102.1	4104.9	4113.3	4121.7	4155.8
4030.9	30°	3972.0	3954.6	3937.1	3937.1	3937.1	3939.9	3937.1	3937.1	3937.1	3954.6
3800.2	32.5°	3753.4	3742.1	3730.7	3732.2	3733.9	3736.7	3733.9	3732.2	3730.7	3742.1
3603.5	35°	3560.4	3543.1	3526.0	3522.2	3518.5	3516.6	3518.5	3522.2	3526.0	3543.1
3436.3	37.5°	3396.4	3364.9	3333.5	3316.9	3300.3	3291.0	3300.3	3316.9	3333.5	3364.9
3279.6	40°	3245.9	3200.0	3154.5	3123.6	3093.0	3074.7	3093.0	3123.6	3154.5	3200.0
3121.7	42.5°	3093.4	3036.5	2979.6	2934.7	2889.8	2860.3	2889.8	2934.7	2979.6	3036.5
2968.8	45°	2943.3	2878.2	2813.3	2760.5	2707.8	2673.8	2707.8	2760.5	2813.3	2878.2
2842.4	47.5°	2824.5	2766.7	2708.9	2660.0	2611.4	2578.7	2611.4	2660.0	2708.9	2766.7
2754.4	50°	2753.6	2707.4	2661.2	2616.0	2570.9	2539.6	2570.9	2616.0	2661.2	2707.4
2696.2	52.5°	2705.9	2668.2	2630.6	2590.1	2549.8	2520.9	2549.8	2590.1	2630.6	2668.2
2647.7	55°	2661.2	2628.3	2595.5	2560.1	2524.7	2498.6	2524.7	2560.1	2595.5	2628.3
2600.2	57.5°	2613.8	2580.6	2547.4	2512.4	2477.1	2450.1	2477.1	2512.4	2547.4	2580.6
2533.1	60°	2548.0	2515.5	2483.3	2447.1	2410.9	2383.0	2410.9	2447.1	2483.3	2515.5
2428.6	62.5°	2443.0	2413.7	2384.4	2346.4	2308.4	2274.8	2308.4	2346.4	2384.4	2413.7
2286.7	65°	2301.3	2273.1	2245.0	2208.1	2171.3	2142.4	2171.3	2208.1	2245.0	2273.1
2125.5	67.5°	2139.6	2113.7	2088.0	2053.7	2019.4	1993.3	2019.4	2053.7	2088.0	2113.7
1953.0	70°	1966.8	1945.7	1924.6	1891.8	1859.0	1829.2	1859.0	1891.8	1924.6	1945.7
1760.2	72.5°	1776.6	1759.1	1741.5	1710.2	1679.1	1650.2	1679.1	1710.2	1741.5	1759.1
1532.7	75°	1549.9	1541.3	1532.7	1506.4	1480.1	1452.5	1480.1	1506.4	1532.7	1541.3
1313.8	77.5°	1329.8	1317.9	1305.6	1279.1	1252.6	1230.6	1252.6	1279.1	1305.6	1317.9
1060.2	80°	1081.5	1076.2	1071.2	1035.6	999.8	958.4	999.8	1035.6	1071.2	1076.2
771.2	82.5°	807.4	805.1	802.7	772.7	742.5	716.0	742.5	772.7	802.7	805.1
468.0	85°	512.8	509.0	505.3	481.8	458.3	434.5	458.3	481.8	505.3	509.0
204.2	87.5°	222.3	217.8	212.9	201.0	188.7	177.1	188.7	201.0	212.9	217.8
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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CATALOG NUMBER: GLAN-SB4D-827-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4480.6	2.5°	4498.3	4516.1	4538.1	4559.9	4588.0	4616.4	4644.5	4672.7	4704.8	4737.0
4208.0	5°	4232.5	4256.9	4291.9	4326.8	4372.3	4417.6	4467.6	4517.5	4574.0	4630.7
4043.9	7.5°	4073.0	4102.1	4143.5	4185.1	4240.5	4296.0	4359.1	4421.9	4496.5	4571.1
3994.3	10°	4027.2	4059.6	4109.4	4159.0	4221.4	4283.9	4351.8	4419.5	4494.1	4568.6
4067.6	12.5°	4109.6	4151.5	4214.9	4278.3	4342.8	4407.5	4460.5	4513.8	4563.0	4612.6
4219.2	15°	4283.0	4346.8	4437.0	4527.2	4583.4	4639.5	4653.3	4667.1	4660.4	4653.7
4365.0	17.5°	4459.0	4553.0	4672.5	4792.0	4837.1	4882.4	4839.4	4796.1	4714.8	4633.5
4453.6	20°	4568.6	4683.9	4820.4	4957.0	4978.1	4999.0	4908.6	4818.1	4676.8	4535.6
4456.8	22.5°	4575.5	4694.1	4824.6	4955.2	4942.7	4930.0	4812.3	4694.7	4533.2	4372.1
4366.5	25°	4471.7	4577.2	4684.1	4791.1	4748.0	4704.8	4589.0	4473.2	4328.1	4183.2
4189.8	27.5°	4271.6	4353.5	4429.5	4505.8	4457.5	4409.4	4316.5	4223.7	4104.7	3985.6
3972.0	30°	4030.9	4089.4	4147.6	4205.6	4166.4	4127.3	4050.1	3973.1	3874.3	3775.4
3753.4	32.5°	3800.2	3847.0	3900.6	3953.9	3910.2	3866.8	3792.8	3718.9	3639.9	3561.0
3560.4	35°	3603.5	3646.8	3684.6	3722.7	3670.5	3618.3	3545.0	3471.9	3411.8	3351.6
3396.4	37.5°	3436.3	3476.0	3493.5	3511.0	3446.5	3382.0	3308.9	3236.0	3192.9	3149.7
3245.9	40°	3279.6	3313.4	3309.3	3305.0	3230.6	3156.4	3085.9	3015.4	2984.3	2953.1
3093.4	42.5°	3121.7	3150.2	3128.8	3107.4	3027.2	2947.0	2880.1	2813.3	2787.8	2762.4
2943.3	45°	2968.8	2994.5	2963.8	2933.0	2849.9	2766.7	2703.3	2639.9	2618.3	2597.0
2824.5	47.5°	2842.4	2860.3	2824.9	2789.4	2707.4	2625.4	2563.4	2501.4	2481.4	2461.3
2753.6	50°	2754.4	2755.5	2710.0	2664.5	2591.0	2517.6	2459.2	2400.7	2369.2	2337.8
2705.9	52.5°	2696.2	2686.5	2632.6	2578.7	2510.1	2441.7	2388.2	2334.5	2287.5	2240.3
2661.2	55°	2647.7	2634.3	2577.1	2520.0	2460.2	2400.1	2342.3	2284.5	2217.8	2150.8
2613.8	57.5°	2600.2	2586.6	2529.1	2471.5	2412.0	2352.7	2284.9	2217.0	2145.0	2073.1
2548.0	60°	2533.1	2518.1	2460.3	2402.5	2342.1	2281.9	2204.0	2126.0	2063.0	1999.8
2443.0	62.5°	2428.6	2414.3	2361.3	2308.4	2244.0	2179.7	2088.7	1997.9	1957.8	1917.7
2301.3	65°	2286.7	2272.0	2225.4	2178.8	2117.3	2055.7	1958.2	1860.9	1845.6	1830.1
2139.6	67.5°	2125.5	2111.1	2070.8	2030.5	1972.4	1914.0	1823.9	1734.1	1738.9	1743.8
1966.8	70°	1953.0	1939.2	1902.8	1866.5	1816.1	1765.8	1686.7	1607.7	1624.4	1641.2
1776.6	72.5°	1760.2	1743.8	1708.2	1672.5	1627.0	1581.6	1519.5	1457.2	1481.6	1506.2
1549.9	75°	1532.7	1515.5	1483.1	1450.7	1409.4	1368.2	1322.0	1275.8	1299.4	1322.9
1329.8	77.5°	1313.8	1297.8	1263.8	1229.7	1194.3	1158.8	1121.4	1083.7	1107.6	1131.4
1081.5	80°	1060.2	1039.0	1013.2	987.3	957.5	927.6	896.5	865.2	885.3	905.3
807.4	82.5°	771.2	735.0	679.8	624.6	635.1	645.5	648.1	650.7	664.9	679.1
512.8	85°	468.0	423.3	371.4	319.8	348.7	377.6	391.2	404.6	420.5	436.3
222.3	87.5°	204.2	186.1	164.3	142.6	164.8	186.8	187.4	188.0	190.9	193.9
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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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4772.6	2.5°	4808.4	4852.6	4892.3	4933.4	4974.4	5017.3	5060.1	5102.7	5145.4	5185.4
4698.4	5°	4765.9	4843.3	4921.6	5004.6	5087.6	5176.3	5265.3	5353.4	5441.8	5530.4
4660.7	7.5°	4750.6	4850.8	4957.6	5073.4	5189.2	5320.6	5452.1	5587.1	5722.1	5868.1
4663.4	10°	4758.1	4865.7	4997.5	5134.7	5271.6	5431.4	5591.0	5769.3	5947.7	6132.5
4689.8	12.5°	4767.4	4867.5	5006.1	5161.0	5316.0	5504.3	5692.6	5894.7	6096.9	6299.7
4690.6	15°	4727.7	4807.9	4961.3	5140.7	5320.1	5536.9	5753.8	5973.1	6192.3	6404.0
4620.1	17.5°	4606.5	4655.9	4836.4	5052.1	5267.9	5519.6	5771.3	6010.5	6249.8	6464.4
4472.2	20°	4408.8	4421.9	4632.0	4899.4	5166.8	5471.8	5776.9	6039.8	6302.7	6525.9
4278.3	22.5°	4184.5	4159.0	4398.2	4720.2	5042.2	5413.3	5784.4	6079.3	6374.1	6602.2
4075.1	25°	3966.9	3897.9	4143.1	4520.2	4897.4	5355.5	5813.8	6150.9	6487.9	6711.1
3881.2	27.5°	3776.7	3692.8	3916.0	4337.2	4758.5	5316.9	5875.3	6262.8	6650.1	6863.2
3692.3	30°	3609.5	3543.7	3731.1	4184.3	4637.6	5298.8	5959.6	6407.7	6855.8	7061.4
3512.0	32.5°	3462.9	3433.7	3584.7	4052.5	4520.2	5276.4	6032.3	6558.9	7085.5	7289.1
3338.0	35°	3324.6	3336.7	3462.6	3922.9	4383.3	5234.3	6085.7	6731.2	7376.7	7571.9
3164.6	37.5°	3179.5	3223.9	3333.9	3770.4	4206.9	5162.1	6117.4	6924.2	7731.0	7979.7
2986.9	40°	3020.6	3088.7	3188.5	3588.4	3988.4	5062.8	6137.3	7169.2	8200.9	8563.4
2807.2	42.5°	2851.9	2937.7	3029.6	3387.6	3745.6	4960.2	6175.2	7489.7	8804.3	9327.5
2640.5	45°	2684.1	2767.1	2860.3	3174.3	3488.3	4864.9	6241.7	7911.5	9581.2	10287.0
2497.8	47.5°	2534.4	2605.8	2726.0	3005.5	3285.0	4786.2	6287.4	8360.9	10434.3	11427.7
2370.1	50°	2402.5	2485.5	2643.6	2893.5	3143.3	4700.5	6257.6	8777.8	11298.0	12795.6
2272.2	52.5°	2304.3	2420.2	2602.0	2819.6	3037.4	4555.6	6073.9	9048.5	12022.9	14232.5
2201.3	55°	2252.1	2426.8	2595.9	2766.1	2936.4	4315.4	5694.5	8988.9	12283.0	15506.4
2146.9	57.5°	2220.7	2433.3	2582.5	2702.7	2823.0	3976.8	5130.4	8568.9	12007.6	16409.2
2095.6	60°	2191.3	2412.8	2511.2	2605.8	2700.3	3537.1	4374.0	7787.5	11201.0	16634.8
2037.3	62.5°	2157.0	2362.4	2374.6	2437.2	2500.1	3011.0	3521.9	6730.8	9939.8	15684.8
1957.5	65°	2084.6	2241.2	2239.8	2269.4	2299.0	2537.5	2776.0	5652.7	8529.6	14340.6
1849.7	67.5°	1955.6	2043.6	2047.7	2031.3	2014.7	2082.6	2150.3	4596.6	7043.0	12741.0
1716.5	70°	1791.9	1820.8	1820.8	1744.1	1667.3	1648.1	1628.7	3619.2	5609.6	10995.5
1557.9	72.5°	1609.5	1609.1	1590.9	1482.2	1373.3	1314.7	1256.4	2766.9	4277.4	9103.3
1362.8	75°	1402.6	1409.6	1325.4	1203.4	1081.5	1028.5	975.6	2008.2	3040.8	6934.3
1163.3	77.5°	1195.2	1198.9	1060.0	941.6	823.2	787.0	751.1	1360.8	1970.5	4853.4
932.1	80°	958.8	959.3	793.4	693.3	592.9	578.0	563.1	876.7	1190.5	3126.9
692.1	82.5°	705.2	697.4	555.7	481.8	408.0	405.0	402.4	539.2	676.5	1809.8
450.3	85°	464.3	454.0	348.7	294.6	240.5	242.0	243.3	288.3	333.4	814.1
199.5	87.5°	205.1	192.1	148.2	126.0	104.0	105.3	106.7	119.5	132.4	266.6
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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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
5225.5	2.5°	5245.3	5265.3	5293.4	5321.6	5338.3	5355.1	5363.5	5371.9	5368.2	5371.9
5619.0	5°	5688.1	5757.5	5826.1	5894.9	5932.2	5969.5	5992.1	6014.8	6032.0	6014.8
6014.3	7.5°	6126.9	6239.3	6340.6	6441.8	6502.8	6563.8	6596.8	6629.6	6645.4	6629.6
6317.3	10°	6450.4	6583.5	6702.3	6821.1	6893.0	6964.6	6996.7	7028.6	7040.7	7028.6
6502.8	12.5°	6647.1	6791.2	6898.6	7005.7	7057.9	7110.1	7127.6	7145.1	7147.0	7145.1
6615.6	15°	6740.1	6864.5	6931.8	6999.3	7001.2	7003.1	6984.4	6965.8	6943.8	6965.8
6679.0	17.5°	6763.1	6847.2	6848.5	6849.6	6774.1	6698.6	6629.4	6560.0	6511.2	6560.0
6748.9	20°	6778.2	6807.6	6719.1	6630.5	6463.8	6297.1	6175.7	6054.3	5979.8	6054.3
6830.0	22.5°	6791.6	6753.2	6569.7	6386.2	6141.1	5895.9	5744.1	5592.3	5509.9	5592.3
6934.4	25°	6813.2	6692.0	6413.5	6134.9	5837.1	5539.3	5379.7	5220.5	5142.6	5220.5
7076.1	27.5°	6859.5	6642.6	6273.6	5904.8	5574.8	5244.7	5087.7	4930.9	4857.3	4930.9
7267.3	30°	6944.1	6621.2	6167.0	5712.8	5368.9	5025.1	4879.5	4733.8	4665.2	4733.8
7492.9	32.5°	7050.4	6608.1	6094.3	5580.4	5257.2	4934.1	4819.8	4705.3	4655.9	4705.3
7767.0	35°	7225.5	6684.2	6148.7	5613.4	5388.9	5164.6	5137.9	5111.2	5107.1	5111.2
8228.5	37.5°	7591.5	6954.6	6467.9	5981.3	5966.7	5952.2	6074.1	6196.1	6259.5	6196.1
8925.8	40°	8233.1	7540.4	7178.5	6816.6	7072.0	7327.5	7624.0	7920.4	8068.1	7920.4
9850.7	42.5°	9163.4	8476.1	8267.6	8059.2	8616.3	9173.4	9712.7	10251.9	10568.5	10251.9
10992.7	45°	10375.4	9757.8	9665.9	9573.8	10466.4	11359.1	12245.2	13131.4	13669.4	13131.4
12421.0	47.5°	11820.4	11219.7	11201.0	11182.4	12470.1	13757.4	15054.6	16351.6	17113.3	16351.6
14293.1	50°	13551.2	12809.4	12812.6	12815.8	14475.2	16134.7	17847.0	19559.3	20594.5	19559.3
16442.0	52.5°	15543.7	14645.5	14554.7	14463.7	16445.9	18428.2	20546.7	22665.1	23906.0	22665.1
18729.9	55°	17842.3	16954.8	16600.7	16246.6	18452.8	20658.8	23184.4	25710.0	27185.8	25710.0
20810.8	57.5°	20327.5	19844.0	19133.8	18423.7	20651.4	22879.0	25739.7	28600.1	30430.2	28600.1
22068.4	60°	22819.1	23570.0	22688.1	21806.1	23914.2	26022.3	29085.1	32147.9	34125.9	32147.9
21429.8	62.5°	23481.1	25532.3	25432.9	25333.4	27264.5	29195.9	32109.9	35023.7	36851.9	35023.7
20151.6	65°	22076.8	24002.0	24383.0	24763.7	27217.9	29672.3	32497.9	35323.3	36879.9	35323.3
18439.0	67.5°	20270.0	22101.1	22279.7	22458.1	25015.3	27572.2	30409.9	33247.6	34467.1	33247.6
16381.4	70°	18373.0	20364.8	20444.6	20524.6	22811.3	25097.9	27539.9	29981.8	30659.6	29981.8
13929.5	72.5°	16214.9	18500.5	18558.0	18615.2	20404.3	22193.4	24022.4	25851.2	25919.8	25851.2
10827.7	75°	13193.1	15558.6	15771.0	15983.3	17375.3	18767.2	20054.7	21342.2	20997.2	21342.2
7736.2	77.5°	9944.3	12152.5	12456.4	12760.4	13818.5	14876.7	15789.8	16703.1	16110.1	16703.1
5063.3	80°	6921.0	8778.5	9156.3	9534.1	10333.2	11132.0	11611.6	12091.0	11137.2	12091.0
2943.3	82.5°	4213.2	5483.4	5905.4	6327.5	6877.6	7427.6	7627.7	7827.6	7078.0	7827.6
1295.0	85°	1969.0	2643.1	3002.0	3360.9	3812.9	4264.7	4378.3	4491.8	3891.4	4491.8
400.9	87.5°	627.4	854.0	1054.2	1254.5	1480.5	1706.5	1716.2	1725.7	1448.8	1725.7
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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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
5363.5	2.5°	5355.1	5338.3	5321.6	5293.4	5265.3	5245.3	5225.5
5992.1	5°	5969.5	5932.2	5894.9	5826.1	5757.5	5688.1	5619.0
6596.8	7.5°	6563.8	6502.8	6441.8	6340.6	6239.3	6126.9	6014.3
6996.7	10°	6964.6	6893.0	6821.1	6702.3	6583.5	6450.4	6317.3
7127.6	12.5°	7110.1	7057.9	7005.7	6898.6	6791.2	6647.1	6502.8
6984.4	15°	7003.1	7001.2	6999.3	6931.8	6864.5	6740.1	6615.6
6629.4	17.5°	6698.6	6774.1	6849.6	6848.5	6847.2	6763.1	6679.0
6175.7	20°	6297.1	6463.8	6630.5	6719.1	6807.6	6778.2	6748.9
5744.1	22.5°	5895.9	6141.1	6386.2	6569.7	6753.2	6791.6	6830.0
5379.7	25°	5539.3	5837.1	6134.9	6413.5	6692.0	6813.2	6934.4
5087.7	27.5°	5244.7	5574.8	5904.8	6273.6	6642.6	6859.5	7076.1
4879.5	30°	5025.1	5368.9	5712.8	6167.0	6621.2	6944.1	7267.3
4819.8	32.5°	4934.1	5257.2	5580.4	6094.3	6608.1	7050.4	7492.9
5137.9	35°	5164.6	5388.9	5613.4	6148.7	6684.2	7225.5	7767.0
6074.1	37.5°	5952.2	5966.7	5981.3	6467.9	6954.6	7591.5	8228.5
7624.0	40°	7327.5	7072.0	6816.6	7178.5	7540.4	8233.1	8925.8
9712.7	42.5°	9173.4	8616.3	8059.2	8267.6	8476.1	9163.4	9850.7
12245.2	45°	11359.1	10466.4	9573.8	9665.9	9757.8	10375.4	10992.7
15054.6	47.5°	13757.4	12470.1	11182.4	11201.0	11219.7	11820.4	12421.0
17847.0	50°	16134.7	14475.2	12815.8	12812.6	12809.4	13551.2	14293.1
20546.7	52.5°	18428.2	16445.9	14463.7	14554.7	14645.5	15543.7	16442.0
23184.4	55°	20658.8	18452.8	16246.6	16600.7	16954.8	17842.3	18729.9
25739.7	57.5°	22879.0	20651.4	18423.7	19133.8	19844.0	20327.5	20810.8
29085.1	60°	26022.3	23914.2	21806.1	22688.1	23570.0	22819.1	22068.4
32109.9	62.5°	29195.9	27264.5	25333.4	25432.9	25532.3	23481.1	21429.8
32497.9	65°	29672.3	27217.9	24763.7	24383.0	24002.0	22076.8	20151.6
30409.9	67.5°	27572.2	25015.3	22458.1	22279.7	22101.1	20270.0	18439.0
27539.9	70°	25097.9	22811.3	20524.6	20444.6	20364.8	18373.0	16381.4
24022.4	72.5°	22193.4	20404.3	18615.2	18558.0	18500.5	16214.9	13929.5
20054.7	75°	18767.2	17375.3	15983.3	15771.0	15558.6	13193.1	10827.7
15789.8	77.5°	14876.7	13818.5	12760.4	12456.4	12152.5	9944.3	7736.2
11611.6	80°	11132.0	10333.2	9534.1	9156.3	8778.5	6921.0	5063.3
7627.7	82.5°	7427.6	6877.6	6327.5	5905.4	5483.4	4213.2	2943.3
4378.3	85°	4264.7	3812.9	3360.9	3002.0	2643.1	1969.0	1295.0
1716.2	87.5°	1706.5	1480.5	1254.5	1054.2	854.0	627.4	400.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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