

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: P531356

Luminaire Tested: **GLAN-SA6C-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22825 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 321
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

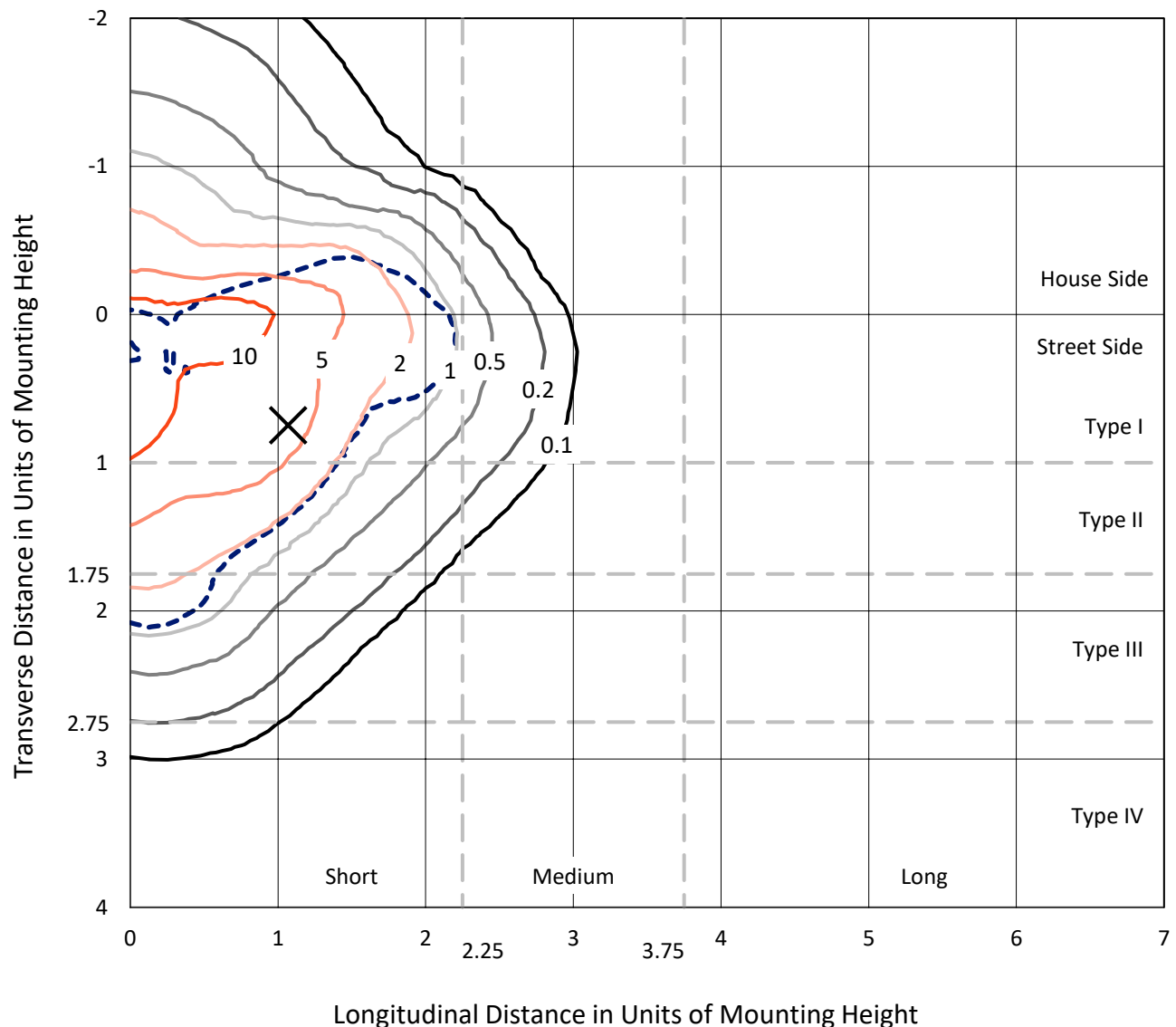


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Iso-Footcandle Lines of Horizontal Illumination

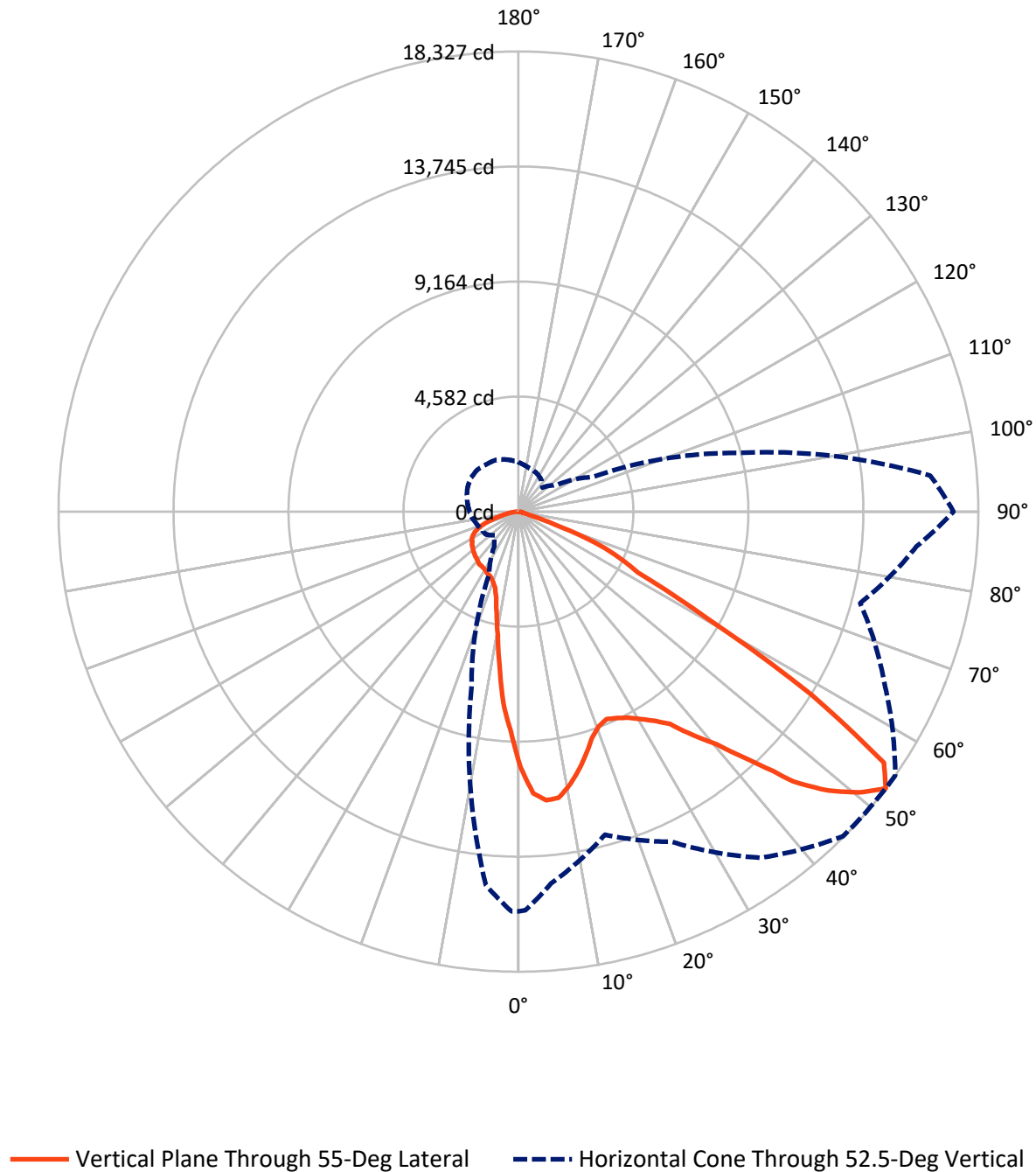
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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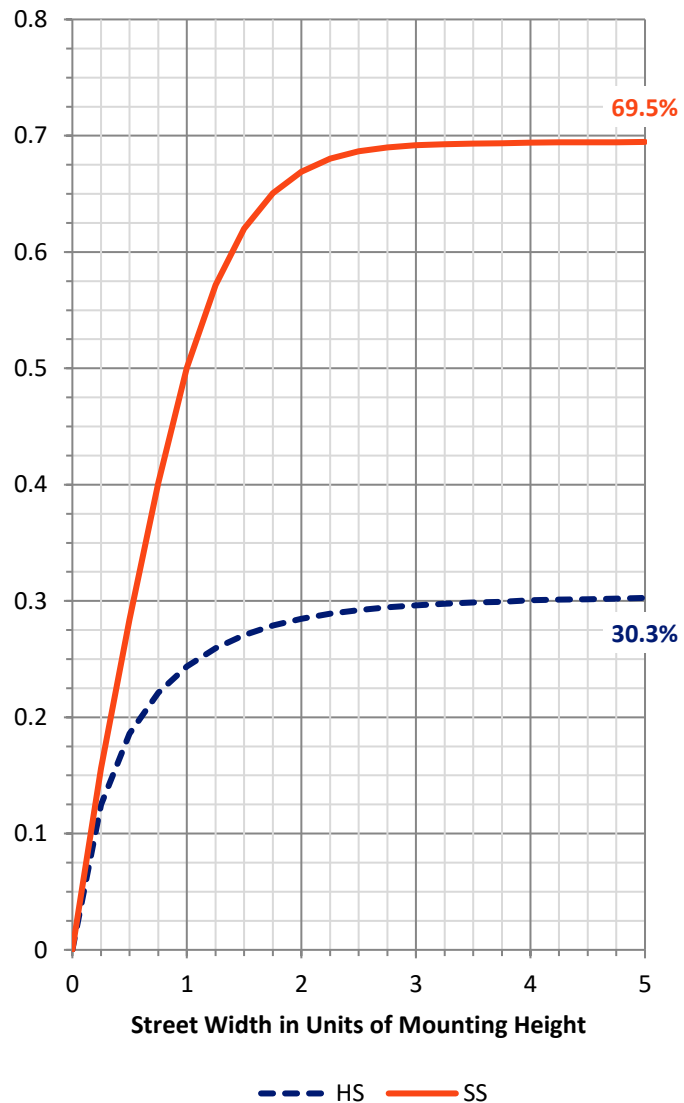
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6962.9	0.0	6962.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	15862.1	0.0	15862.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	22825.0	0.0	22825.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	777.9	3.4
10°-20°	1677.2	7.3
20°-30°	2543.1	11.1
30°-40°	3674.5	16.1
40°-50°	4910.1	21.5
50°-60°	5480.7	24.0
60°-70°	3006.4	13.2
70°-80°	650.0	2.8
80°-90°	105.1	0.5
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°	22825.0	100.0
0°-180°	22825.0	100.0

Coefficient of Utilization



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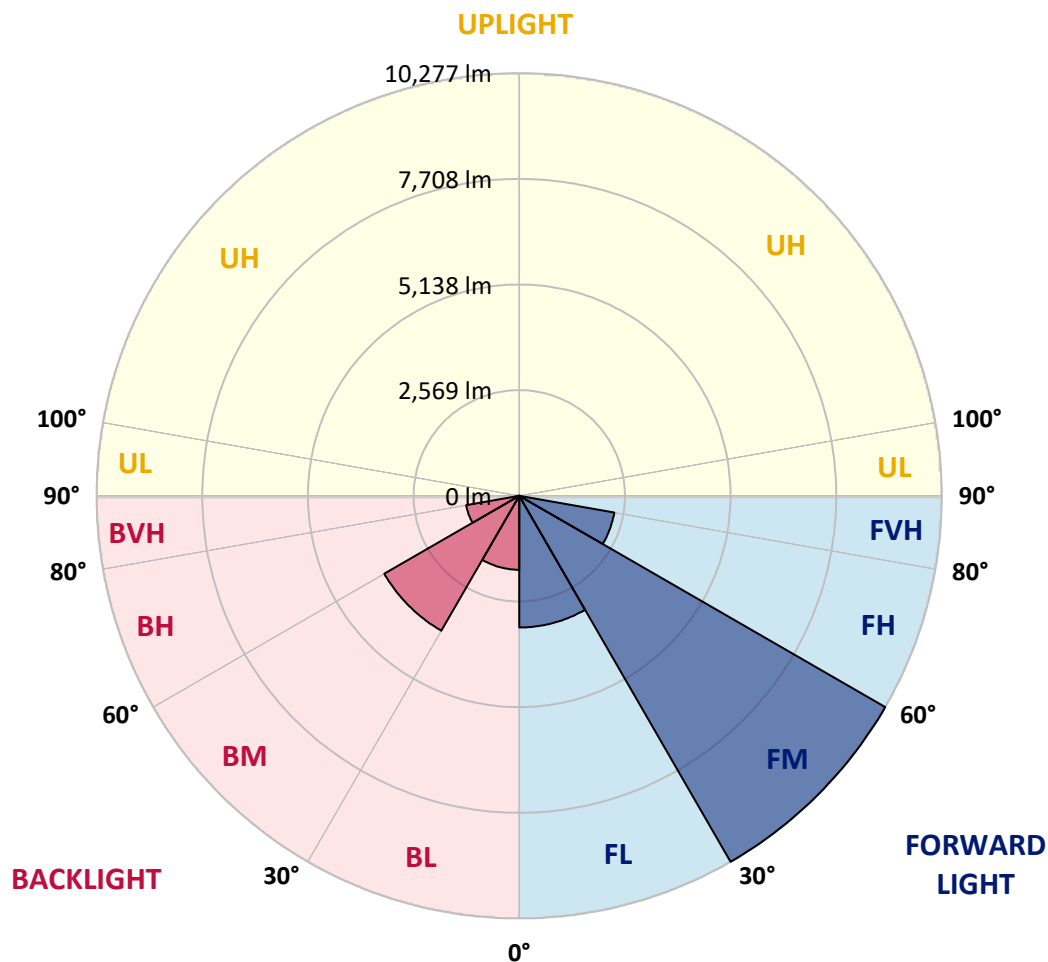
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3200.5	14.0			
FM	(30°-60°)	10276.9	45.0			
FH	(60°-80°)	2345.8	10.3			G2/5000
FVH	(80°-90°)	38.9	0.2			G1/100
BL	(0°-30°)	1797.7	7.9	B3/2500		
BM	(30°-60°)	3788.4	16.6	B3/5000		
BH	(60°-80°)	1310.6	5.7	B3/2500		G3/2500
BVH	(80°-90°)	66.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7
2.5°	10685.0	10625.0	10678.3	10931.6	11078.2	11178.2	11241.5	11231.5	10991.6	10758.3	10758.3
5°	10371.7	10295.0	10405.0	10978.3	11554.8	11604.8	11688.1	11551.5	11198.2	10771.6	10238.4
7.5°	9465.2	9521.8	9705.1	10458.3	11208.2	11584.8	11684.8	11511.5	10938.3	10141.7	9358.5
10°	8682.0	8815.3	9238.5	10051.7	10741.6	11231.5	11341.5	11098.2	10645.0	9668.5	8968.6
12.5°	8412.0	8328.7	8798.6	9611.8	10271.7	10535.0	10585.0	10601.6	10295.0	9428.5	8575.3
15°	8378.7	8432.0	8798.6	9415.2	9821.8	9835.1	9918.4	10048.4	10088.4	9591.8	8758.6
17.5°	8858.6	8795.3	9171.9	9661.8	9468.5	9275.2	9295.2	9481.8	9811.8	9731.8	9335.2
20°	9568.5	9711.8	10008.4	9958.4	9438.5	8948.6	8951.9	9128.5	9778.4	10311.7	10138.4
22.5°	10748.3	10888.3	11108.2	10505.0	9438.5	8851.9	8738.6	8978.6	9991.7	11001.6	11044.9
25°	11824.8	12081.4	12141.4	11431.5	9911.8	8941.9	8868.6	9105.2	10205.0	11674.8	12084.7
27.5°	12804.6	12898.0	13161.2	12028.1	10175.1	9001.9	8995.2	9298.5	10475.0	12011.4	13014.6
30°	13577.8	13567.8	13717.8	12404.7	10595.0	9338.5	9015.2	9588.5	10828.3	12568.0	13874.5
32.5°	14104.4	14217.7	14534.4	12927.9	10771.6	9658.5	9405.2	9928.4	11258.2	12831.3	14481.0
35°	15030.9	15227.6	14827.6	13217.9	11331.5	9975.1	9678.5	10391.7	11471.5	13117.9	15224.2
37.5°	15904.1	15754.2	15347.6	13374.5	11694.8	10561.7	10285.0	11288.2	12134.7	13741.2	15717.5
40°	16464.1	16460.7	15737.5	13501.2	11951.4	11458.2	11441.5	12198.1	12947.9	14134.4	16270.7
42.5°	16707.3	16940.6	15897.5	13487.9	12491.3	12544.7	12881.3	13557.8	13524.5	14214.4	16257.4
44°	17040.6	17180.6	16174.1	13517.9	12851.3	13277.9	14071.1	14501.0	14027.8	14171.1	16240.8
45°	17027.3	17037.3	15780.8	13557.8	13157.9	13891.1	14601.0	15327.6	14471.0	14077.8	16460.7
47.5°	16637.4	16524.0	15447.5	13261.2	14114.4	15510.9	16167.4	16607.4	15017.6	13877.8	16187.4
50°	15867.5	15737.5	14637.7	13134.6	14314.4	16517.4	17423.9	17583.9	15514.2	13681.2	15917.5
52.5°	15920.8	15884.1	14867.6	13324.5	14514.4	16834.0	18287.1	18327.1	16077.4	14094.4	15920.8
55°	16874.0	16747.3	15527.5	13561.2	14367.7	16464.1	17737.2	17667.2	15887.5	13844.5	16214.1
57.5°	15440.9	15524.2	14614.3	12624.7	12574.7	13384.5	13944.5	13771.1	13257.9	12494.7	15084.3
60°	12458.0	12694.6	12781.3	10558.3	9488.5	9071.9	8905.3	8598.6	8685.3	10265.0	13251.2
62.5°	10685.0	10671.6	11214.9	9571.8	6215.7	5345.8	5265.8	5335.8	6335.7	10105.1	12977.9
65°	8472.0	8698.6	8865.3	8112.0	4919.2	3969.4	3966.0	4409.3	5482.5	8445.3	10478.3
67.5°	5379.1	5675.8	5882.4	5189.2	3289.5	2826.2	2749.6	3282.8	3799.4	5539.1	6309.0
70°	3032.9	3172.8	3266.1	2992.9	2093.0	1466.4	1379.8	1506.4	2296.3	3586.1	3739.4
72.5°	1169.8	1233.1	1359.8	1369.8	789.9	473.3	383.3	459.9	966.5	1419.8	1353.1
75°	180.0	193.3	273.3	326.6	226.6	173.3	183.3	190.0	270.0	366.6	306.6
77.5°	86.7	86.7	83.3	96.7	113.3	123.3	133.3	146.6	160.0	176.6	170.0
80°	56.7	56.7	56.7	66.7	83.3	100.0	113.3	120.0	126.6	140.0	133.3
82.5°	36.7	36.7	36.7	50.0	66.7	83.3	90.0	106.6	120.0	140.0	130.0
85°	20.0	20.0	20.0	33.3	50.0	70.0	66.7	53.3	30.0	3.3	6.7
87.5°	6.7	6.7	6.7	6.7	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°	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7
2.5°	10478.3	10325.0	10311.7	9998.4	9718.5	9581.8	9471.8	9165.2	9231.9	9055.2	9051.9
5°	9971.7	9658.5	9151.9	8735.3	8318.7	8235.4	7872.1	7555.5	7565.5	7338.8	7378.8
7.5°	9061.9	8845.3	8228.7	7575.5	7022.2	6628.9	6285.7	6079.0	5815.7	5725.8	5679.1
10°	8485.3	8218.7	7525.5	6705.6	6085.7	5875.7	5545.8	5362.5	5092.5	4959.2	4865.9
12.5°	8232.0	7842.1	6975.6	6142.4	5729.1	5512.5	5232.5	4899.2	4579.3	4456.0	4286.0
15°	8258.7	7792.1	6815.6	5915.7	5419.1	4999.2	4749.2	4379.3	4052.7	3836.1	3712.7
17.5°	8662.0	8095.4	6888.9	5742.4	5029.2	4502.6	4012.7	3612.8	3352.8	3189.5	3149.5
20°	9615.1	8845.3	7012.2	5462.5	4639.3	3982.7	3379.5	2962.9	2762.9	2759.6	2762.9
22.5°	10408.3	9645.1	7262.2	5295.8	4249.3	3316.1	2716.2	2582.9	2542.9	2626.2	2636.2
25°	11478.2	10545.0	7692.1	5209.2	3889.4	2826.2	2456.3	2406.3	2403.0	2509.6	2512.9
27.5°	12574.7	11331.5	7948.7	4955.9	3522.8	2572.9	2299.6	2289.6	2343.0	2456.3	2446.3
30°	13321.2	11991.4	8412.0	4652.6	3089.5	2349.6	2236.3	2249.6	2323.0	2409.6	2422.9
32.5°	14191.1	12641.3	8532.0	4486.0	2822.9	2163.0	2083.0	2113.0	2206.3	2343.0	2416.3
35°	15187.6	13101.3	8715.3	4259.3	2722.9	2019.7	1979.7	2013.0	2126.3	2216.3	2296.3
37.5°	15924.1	13914.5	8748.6	4082.7	2612.9	1939.7	1876.4	1986.4	2053.0	2179.7	2219.6
40°	16470.7	14504.4	8835.3	3972.7	2526.3	1836.4	1836.4	1909.7	1999.7	2116.3	2196.3
42.5°	16820.7	14934.3	8898.6	3872.7	2359.6	1806.4	1789.7	1863.0	1983.0	2096.3	2133.0
44°	17034.0	15117.6	8835.3	3779.4	2313.0	1769.7	1769.7	1833.0	1926.4	2059.7	2103.0
45°	17087.3	15347.6	8695.3	3776.1	2256.3	1726.4	1719.7	1839.7	1903.0	2066.3	2093.0
47.5°	17293.9	15630.8	8711.9	3669.4	2119.7	1623.1	1739.7	1793.0	1849.7	1993.0	2083.0
50°	17287.3	15807.5	8675.3	3512.8	2019.7	1506.4	1699.7	1759.7	1816.4	1963.0	1999.7
52.5°	17333.9	16467.4	9011.9	3262.8	1839.7	1356.5	1566.4	1699.7	1769.7	1893.0	1969.7
55°	17310.6	16844.0	9345.2	3076.2	1586.4	1266.5	1453.1	1609.7	1709.7	1839.7	1876.4
57.5°	15810.8	14887.6	8648.6	2726.2	1313.1	1159.8	1293.1	1516.4	1643.1	1776.4	1823.0
60°	12917.9	11474.8	7132.2	2006.3	1079.8	1066.5	1203.1	1486.4	1539.8	1656.4	1736.4
62.5°	11938.1	10065.1	5655.8	1533.1	923.2	976.5	1109.8	1343.1	1426.4	1569.8	1643.1
65°	9341.8	6685.6	3502.8	1036.5	813.2	876.5	1003.2	1176.5	1313.1	1446.4	1533.1
67.5°	5532.5	3652.8	1733.1	726.6	709.9	776.5	906.5	1036.5	1193.1	1339.8	1383.1
70°	3012.9	1796.4	739.9	553.2	603.2	663.2	789.9	879.9	1029.8	1143.2	1216.5
72.5°	966.5	546.6	369.9	409.9	459.9	529.9	606.6	716.6	823.2	889.9	949.8
75°	233.3	230.0	263.3	286.6	333.3	386.6	449.9	506.6	589.9	653.2	706.6
77.5°	163.3	176.6	203.3	236.6	253.3	273.3	313.3	356.6	393.3	439.9	473.3
80°	126.6	136.6	156.6	173.3	190.0	206.6	226.6	243.3	266.6	296.6	313.3
82.5°	120.0	126.6	146.6	156.6	150.0	146.6	160.0	166.6	170.0	180.0	190.0
85°	10.0	0.0	6.7	23.3	56.7	83.3	90.0	90.0	86.7	93.3	93.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.3	10.0
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°	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7
2.5°	9011.9	8898.6	8941.9	8995.2	8918.6	8741.9	8788.6	8768.6	8948.6	8935.2	9115.2
5°	7555.5	7378.8	7398.8	7658.8	7575.5	7665.4	7485.5	7462.1	7495.5	7512.1	7542.1
7.5°	5782.4	5759.1	5959.1	6179.0	6282.3	6175.7	5999.0	5959.1	5922.4	5849.1	6015.7
10°	4719.3	4725.9	4712.6	4879.2	4995.9	4972.5	4865.9	4852.6	4782.6	4755.9	4849.2
12.5°	4212.7	4122.7	4079.4	4026.0	4116.0	4176.0	4129.3	4096.0	4099.3	4132.7	4146.0
15°	3722.7	3666.1	3572.8	3512.8	3556.1	3526.1	3509.4	3576.1	3559.4	3552.8	3632.8
17.5°	3172.8	3219.5	3212.8	3146.2	3202.8	3179.5	3176.2	3129.5	3066.2	3019.5	3046.2
20°	2809.6	2896.2	2962.9	2966.2	2996.2	2992.9	2942.9	2799.6	2752.9	2742.9	2749.6
22.5°	2679.6	2726.2	2806.2	2919.5	2919.5	2866.2	2806.2	2639.6	2596.3	2549.6	2529.6
25°	2576.3	2666.2	2769.6	2782.9	2836.2	2786.2	2689.6	2606.3	2516.3	2452.9	2452.9
27.5°	2522.9	2622.9	2699.6	2722.9	2796.2	2756.2	2656.2	2549.6	2442.9	2439.6	2383.0
30°	2499.6	2592.9	2642.9	2699.6	2732.9	2669.6	2639.6	2526.3	2419.6	2393.0	2299.6
32.5°	2429.6	2562.9	2656.2	2642.9	2669.6	2642.9	2599.6	2506.3	2386.3	2326.3	2316.3
35°	2349.6	2482.9	2582.9	2652.9	2669.6	2612.9	2586.3	2459.6	2296.3	2266.3	2163.0
37.5°	2306.3	2386.3	2509.6	2622.9	2646.2	2616.3	2526.3	2396.3	2233.0	2199.7	2109.7
40°	2253.0	2356.3	2452.9	2546.3	2616.3	2542.9	2439.6	2313.0	2239.6	2139.7	2113.0
42.5°	2213.0	2329.6	2409.6	2512.9	2592.9	2496.3	2376.3	2289.6	2186.3	2119.7	2043.0
44°	2199.7	2306.3	2359.6	2486.3	2552.9	2479.6	2379.6	2289.6	2169.7	2109.7	2043.0
45°	2153.0	2299.6	2356.3	2469.6	2526.3	2466.3	2339.6	2249.6	2163.0	2089.7	2019.7
47.5°	2106.3	2206.3	2303.0	2393.0	2432.9	2412.9	2306.3	2196.3	2093.0	2049.7	1983.0
50°	2093.0	2193.0	2283.0	2366.3	2412.9	2373.0	2276.3	2169.7	2049.7	1979.7	1923.0
52.5°	2026.3	2149.7	2249.6	2276.3	2336.3	2313.0	2239.6	2123.0	2009.7	1949.7	1903.0
55°	1929.7	2059.7	2196.3	2229.6	2316.3	2279.6	2169.7	2059.7	1963.0	1873.0	1813.0
57.5°	1893.0	2019.7	2153.0	2196.3	2249.6	2189.7	2163.0	2046.3	1893.0	1846.4	1753.1
60°	1799.7	1959.7	2069.7	2169.7	2173.0	2156.3	2109.7	1976.4	1849.7	1763.1	1696.4
62.5°	1726.4	1876.4	1963.0	2056.3	2113.0	2066.3	2019.7	1896.4	1759.7	1663.1	1586.4
65°	1619.7	1756.4	1829.7	1886.4	1949.7	1943.0	1863.0	1773.1	1629.7	1553.1	1479.8
67.5°	1456.4	1576.4	1676.4	1729.7	1769.7	1759.7	1699.7	1636.4	1489.8	1413.1	1359.8
70°	1259.8	1383.1	1446.4	1476.4	1516.4	1536.4	1489.8	1459.8	1329.8	1229.8	1179.8
72.5°	1013.2	1093.2	1186.5	1213.1	1229.8	1243.1	1243.1	1216.5	1083.2	1043.2	956.5
75°	746.5	809.9	879.9	879.9	909.9	913.2	919.9	903.2	803.2	749.9	729.9
77.5°	506.6	553.2	609.9	633.2	653.2	649.9	646.6	599.9	546.6	523.3	503.3
80°	329.9	376.6	403.3	433.3	453.3	449.9	456.6	423.3	399.9	359.9	366.6
82.5°	196.6	233.3	260.0	296.6	296.6	306.6	306.6	296.6	273.3	253.3	253.3
85°	93.3	123.3	140.0	163.3	176.6	180.0	160.0	136.6	113.3	103.3	113.3
87.5°	16.7	23.3	33.3	30.0	36.7	33.3	33.3	33.3	33.3	26.7	30.0
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°	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7	10181.7
2.5°	9048.6	9215.2	9331.9	9525.2	9858.4	10125.1	10398.3	10601.6	10625.0	10685.0
5°	7652.1	7742.1	8038.7	8425.3	8698.6	9148.5	9438.5	9965.1	10161.7	10371.7
7.5°	5975.7	6122.4	6519.0	6778.9	7378.8	7942.1	8525.3	9175.2	9435.2	9465.2
10°	5039.2	5252.5	5522.5	5939.1	6265.7	6892.2	7618.8	8342.0	8632.0	8682.0
12.5°	4426.0	4699.3	5059.2	5359.1	5672.4	6219.0	6915.6	7808.8	8185.4	8412.0
15°	3836.1	4119.3	4515.9	4932.5	5209.2	5862.4	6682.3	7688.8	8178.7	8378.7
17.5°	3229.5	3492.8	3819.4	4269.3	4825.9	5559.1	6645.6	8088.7	8625.3	8858.6
20°	2709.6	2856.2	3236.2	3699.4	4396.0	5249.2	6658.9	8678.6	9465.2	9568.5
22.5°	2506.3	2539.6	2689.6	3116.2	3879.4	4932.5	6895.6	9515.2	10408.3	10748.3
25°	2349.6	2343.0	2383.0	2669.6	3502.8	4809.2	7128.9	10285.0	11454.8	11824.8
27.5°	2263.0	2196.3	2199.7	2469.6	3236.2	4609.3	7428.8	11168.2	12641.3	12804.6
30°	2219.6	2206.3	2166.3	2276.3	2946.2	4309.3	7478.8	12038.1	13341.2	13577.8
32.5°	2193.0	2063.0	2013.0	2053.0	2672.9	3982.7	7665.4	12611.3	14207.7	14104.4
35°	2059.7	1943.0	1909.7	1949.7	2479.6	3799.4	7542.1	13111.3	14857.6	15030.9
37.5°	2009.7	1906.4	1839.7	1806.4	2299.6	3646.1	7478.8	13881.1	15487.5	15904.1
40°	1963.0	1853.0	1773.1	1739.7	2159.7	3442.8	7458.8	14474.4	16214.1	16464.1
42.5°	1909.7	1839.7	1749.7	1689.7	1989.7	3239.5	7228.9	14657.7	16437.4	16707.3
44°	1893.0	1786.4	1693.1	1673.1	1923.0	3136.2	7182.2	14824.3	16630.7	17040.6
45°	1876.4	1776.4	1669.7	1643.1	1899.7	3079.5	7118.9	14864.3	16950.6	17027.3
47.5°	1829.7	1766.4	1663.1	1589.7	1849.7	2956.2	6928.9	14637.7	16624.0	16637.4
50°	1793.0	1719.7	1613.1	1469.8	1783.1	2852.9	7015.6	14554.4	15837.5	15867.5
52.5°	1753.1	1643.1	1583.1	1336.5	1673.1	2766.2	7198.9	14931.0	15927.5	15920.8
55°	1706.4	1586.4	1439.8	1223.1	1489.8	2656.2	7642.1	15674.2	16760.7	16874.0
57.5°	1633.1	1529.8	1319.8	1123.2	1279.8	2446.3	7498.8	14251.1	15420.9	15440.9
60°	1536.4	1439.8	1196.5	1046.5	1049.8	1929.7	6705.6	11104.9	12168.1	12458.0
62.5°	1443.1	1389.8	1093.2	936.5	893.2	1536.4	5669.1	9228.5	10445.0	10685.0
65°	1333.1	1203.1	1003.2	853.2	766.5	1076.5	4016.0	6895.6	8148.7	8472.0
67.5°	1193.1	1053.2	883.2	749.9	656.6	719.9	2073.0	3919.4	5189.2	5379.1
70°	1043.2	913.2	743.2	633.2	529.9	496.6	913.2	1869.7	2836.2	3032.9
72.5°	856.5	736.5	593.2	499.9	396.6	343.3	306.6	499.9	1006.5	1169.8
75°	619.9	536.6	446.6	356.6	280.0	220.0	180.0	150.0	166.6	180.0
77.5°	456.6	389.9	329.9	253.3	196.6	156.6	123.3	93.3	90.0	86.7
80°	356.6	316.6	263.3	203.3	153.3	116.6	86.7	63.3	56.7	56.7
82.5°	280.0	260.0	216.6	166.6	126.6	93.3	63.3	43.3	36.7	36.7
85°	106.6	106.6	156.6	136.6	96.7	66.7	43.3	23.3	20.0	20.0
87.5°	26.7	26.7	26.7	26.7	23.3	20.0	20.0	10.0	6.7	6.7
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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