

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: P530264

Luminaire Tested: **GLAN-SA5C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530264
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-SA5C-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 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: 21929 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

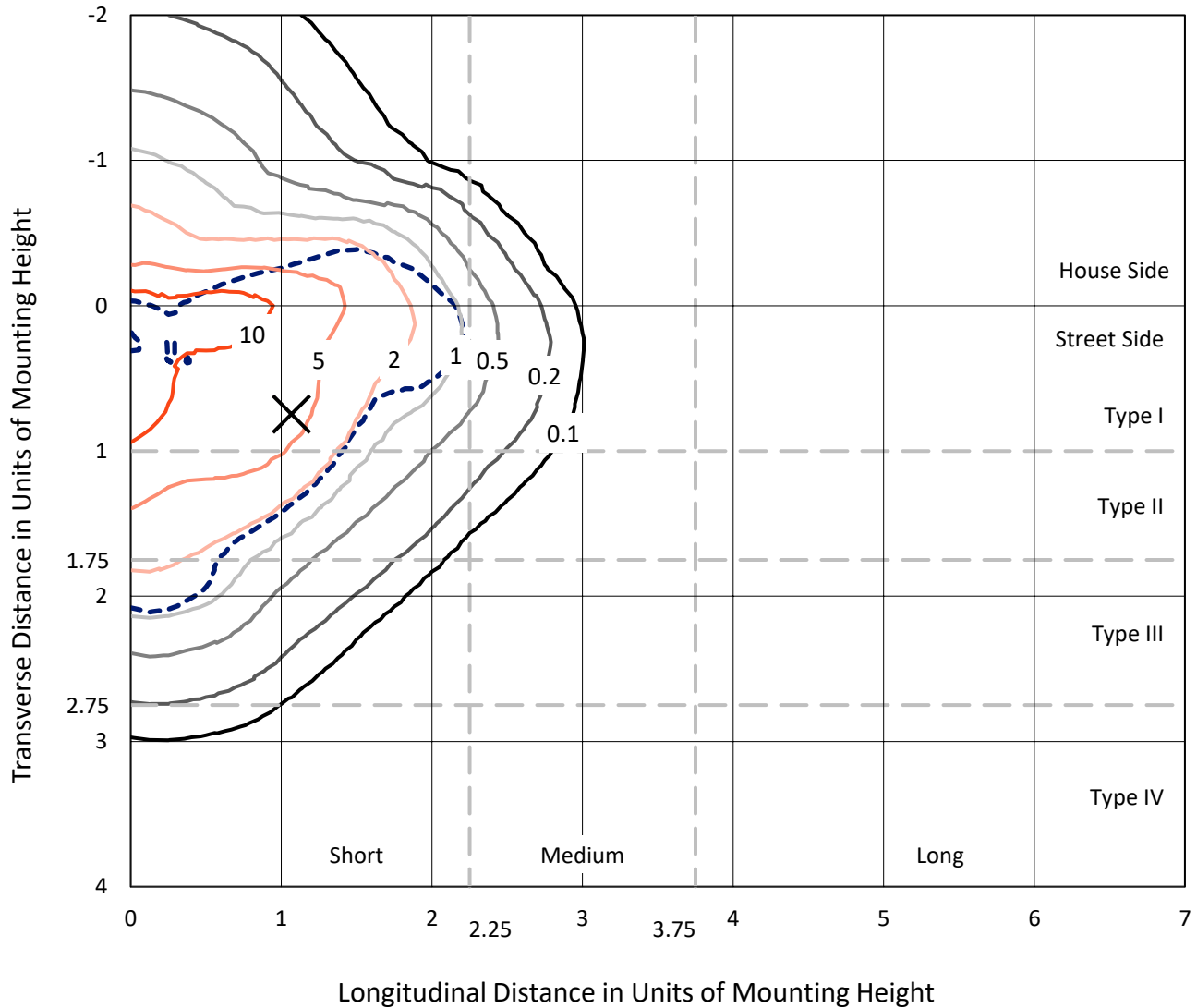
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

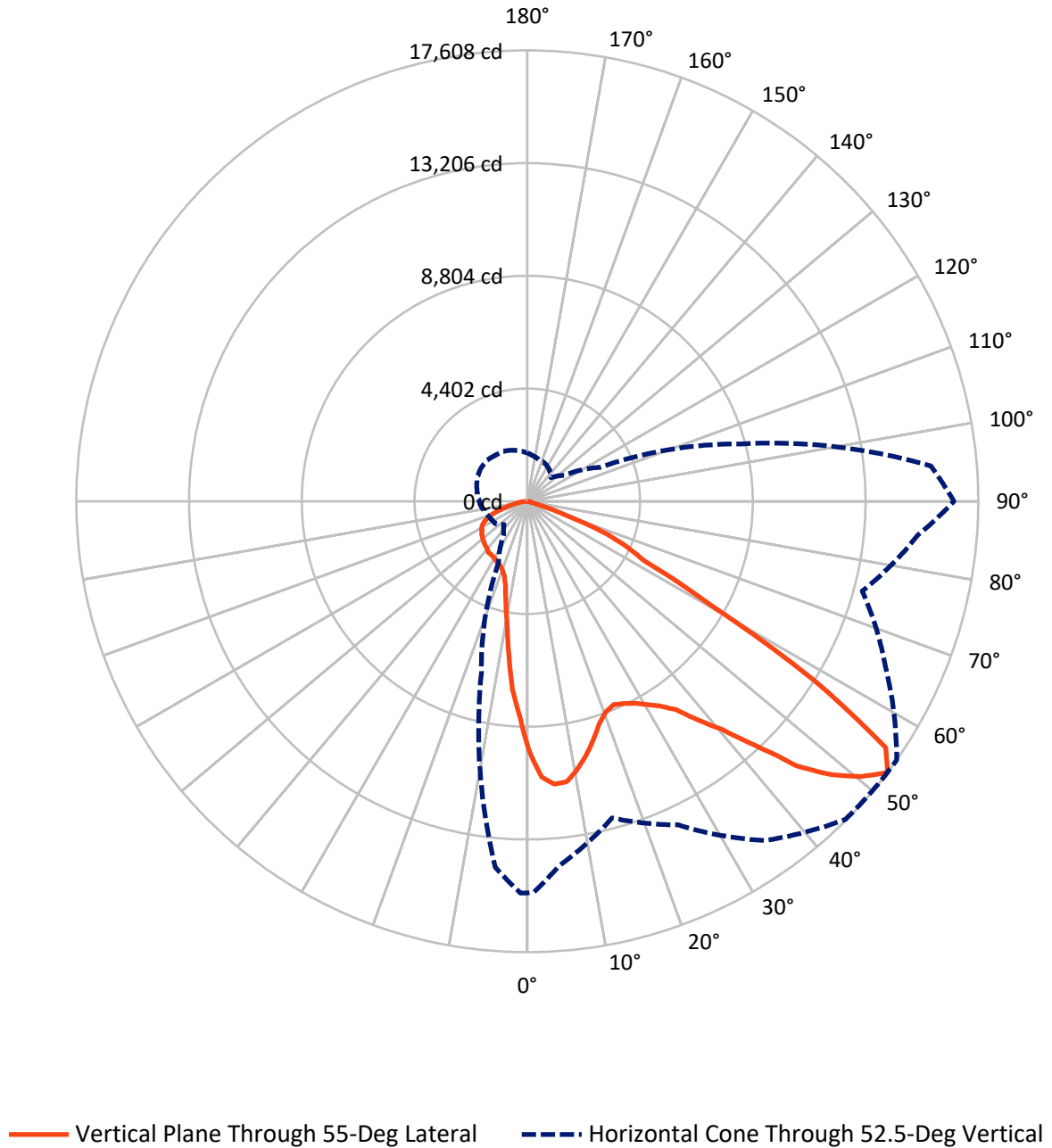
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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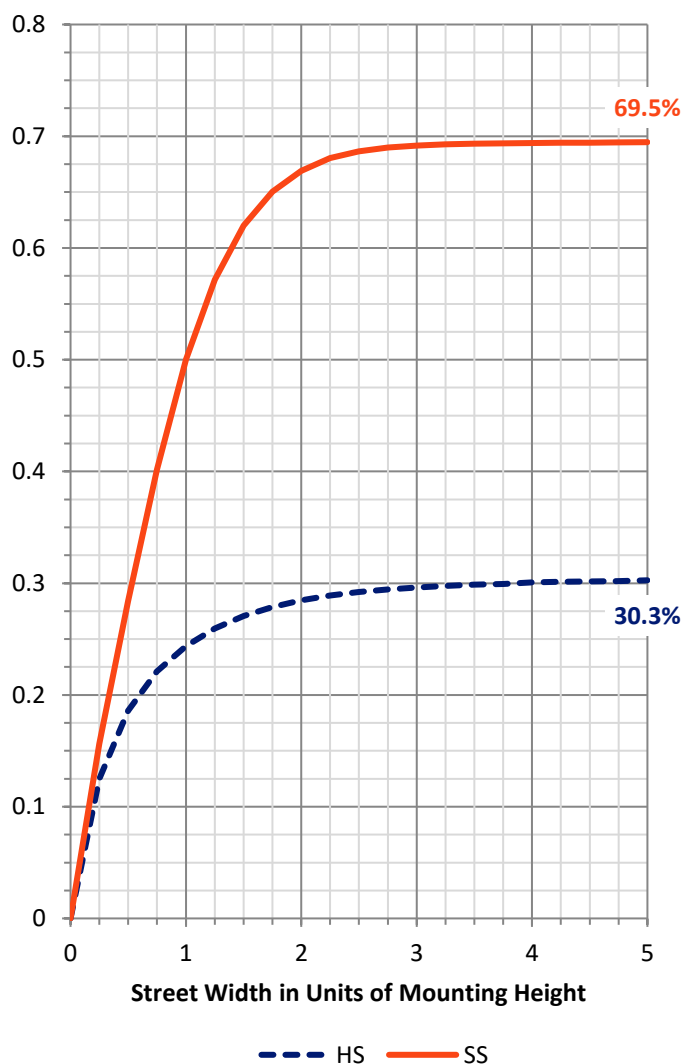
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6689.5	0.0	6689.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	15239.5	0.0	15239.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	21929.0	0.0	21929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.3	3.4
10°-20°	1611.3	7.3
20°-30°	2443.3	11.1
30°-40°	3530.2	16.1
40°-50°	4717.3	21.5
50°-60°	5265.6	24.0
60°-70°	2888.4	13.2
70°-80°	624.5	2.8
80°-90°	101.0	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°	21929.0	100.0
0°-180°	21929.0	100.0

Coefficient of Utilization



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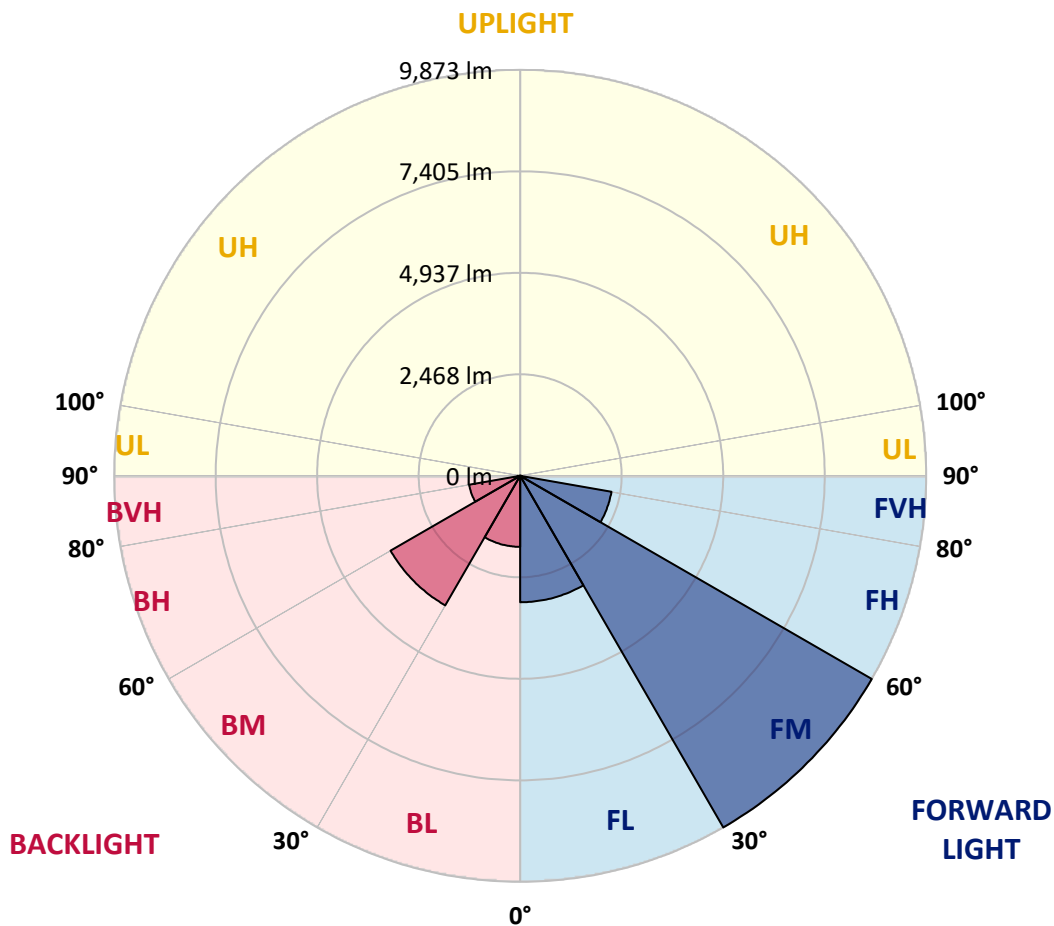
CATALOG NUMBER: GLAN-SA5C-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3074.8	14.0			
FM (30°-60°)	9873.5	45.0			
FH (60°-80°)	2253.8	10.3			G2/5000
FVH (80°-90°)	37.4	0.2			G1/100
BL (0°-30°)	1727.1	7.9	B3/2500		
BM (30°-60°)	3639.7	16.6	B3/5000		
BH (60°-80°)	1259.1	5.7	B3/2500		G3/2500
BVH (80°-90°)	63.6	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°	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0
2.5°	10265.5	10207.9	10259.1	10502.5	10643.4	10739.4	10800.3	10790.7	10560.1	10336.0	10336.0
5°	9964.5	9890.9	9996.6	10547.3	11101.2	11149.3	11229.3	11098.0	10758.6	10348.8	9836.5
7.5°	9093.6	9148.0	9324.1	10047.8	10768.2	11130.1	11226.1	11059.6	10508.9	9743.6	8991.1
10°	8341.1	8469.2	8875.9	9657.2	10320.0	10790.7	10896.3	10662.6	10227.1	9288.9	8616.5
12.5°	8081.8	8001.7	8453.2	9234.5	9868.5	10121.4	10169.5	10185.5	9890.9	9058.4	8238.7
15°	8049.8	8101.0	8453.2	9045.6	9436.2	9449.0	9529.1	9654.0	9692.4	9215.3	8414.8
17.5°	8510.8	8450.0	8811.8	9282.5	9096.8	8911.1	8930.3	9109.6	9426.6	9349.8	8968.7
20°	9192.9	9330.6	9615.5	9567.5	9068.0	8597.3	8600.5	8770.2	9394.6	9906.9	9740.4
22.5°	10326.4	10460.8	10672.2	10092.6	9068.0	8504.4	8395.6	8626.1	9599.5	10569.7	10611.3
25°	11360.6	11607.2	11664.8	10982.8	9522.7	8590.9	8520.5	8747.8	9804.4	11216.5	11610.4
27.5°	12302.0	12391.6	12644.6	11555.9	9775.6	8648.5	8642.1	8933.5	10063.8	11539.9	12503.7
30°	13044.8	13035.2	13179.3	11917.7	10179.1	8971.9	8661.3	9212.1	10403.2	12074.6	13329.8
32.5°	13550.8	13659.6	13963.8	12420.5	10348.8	9279.3	9036.0	9538.7	10816.3	12327.6	13912.6
35°	14440.9	14629.8	14245.6	12699.0	10886.7	9583.5	9298.5	9983.8	11021.2	12603.0	14626.6
37.5°	15279.8	15135.7	14745.1	12849.5	11235.7	10147.1	9881.3	10845.1	11658.4	13201.7	15100.5
40°	15817.8	15814.5	15119.7	12971.2	11482.3	11008.4	10992.4	11719.2	12439.7	13579.6	15632.0
42.5°	16051.5	16275.6	15273.4	12958.4	12001.0	12052.2	12375.6	13025.6	12993.6	13656.4	15619.2
44°	16371.7	16506.2	15539.2	12987.2	12346.8	12756.7	13518.7	13931.8	13477.1	13614.8	15603.2
45°	16358.9	16368.5	15161.3	13025.6	12641.4	13345.8	14027.8	14725.9	13903.0	13525.1	15814.5
47.5°	15984.3	15875.4	14841.1	12740.7	13560.4	14902.0	15532.8	15955.4	14428.1	13333.0	15552.0
50°	15244.6	15119.7	14063.1	12619.0	13752.5	15869.0	16739.9	16893.6	14905.2	13144.1	15292.6
52.5°	15295.8	15260.6	14284.0	12801.5	13944.6	16173.2	17569.2	17607.7	15446.3	13541.1	15295.8
55°	16211.6	16089.9	14918.0	13028.8	13803.7	15817.8	17040.9	16973.7	15263.8	13301.0	15577.6
57.5°	14834.7	14914.8	14040.7	12129.1	12081.0	12859.1	13397.1	13230.6	12737.5	12004.2	14492.1
60°	11969.0	12196.3	12279.6	10143.9	9116.0	8715.8	8555.7	8261.1	8344.3	9862.1	12731.0
62.5°	10265.5	10252.7	10774.6	9196.1	5971.7	5136.0	5059.1	5126.4	6087.0	9708.4	12468.5
65°	8139.4	8357.2	8517.3	7793.6	4726.1	3813.6	3810.3	4236.2	5267.2	8113.8	10067.0
67.5°	5168.0	5453.0	5651.5	4985.5	3160.3	2715.3	2641.6	3153.9	3650.3	5321.7	6061.3
70°	2913.8	3048.3	3137.9	2875.4	2010.8	1408.9	1325.6	1447.3	2206.2	3445.3	3592.6
72.5°	1123.9	1184.7	1306.4	1316.0	758.9	454.7	368.2	441.9	928.6	1364.0	1300.0
75°	172.9	185.7	262.6	313.8	217.7	166.5	176.1	182.5	259.4	352.2	294.6
77.5°	83.3	83.3	80.0	92.9	108.9	118.5	128.1	140.9	153.7	169.7	163.3
80°	54.4	54.4	54.4	64.0	80.0	96.1	108.9	115.3	121.7	134.5	128.1
82.5°	35.2	35.2	35.2	48.0	64.0	80.0	86.5	102.5	115.3	134.5	124.9
85°	19.2	19.2	19.2	32.0	48.0	67.2	64.0	51.2	28.8	3.2	6.4
87.5°	6.4	6.4	6.4	6.4	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°	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0
2.5°	10067.0	9919.7	9906.9	9605.9	9337.0	9205.7	9100.0	8805.4	8869.5	8699.8	8696.6
5°	9580.3	9279.3	8792.6	8392.4	7992.1	7912.1	7563.1	7258.9	7268.5	7050.7	7089.2
7.5°	8706.2	8498.0	7905.7	7278.1	6746.6	6368.7	6038.9	5840.4	5587.4	5501.0	5456.2
10°	8152.2	7896.1	7230.1	6442.4	5846.8	5645.1	5328.1	5152.0	4892.6	4764.5	4674.9
12.5°	7908.9	7534.2	6701.7	5901.2	5504.2	5296.1	5027.1	4706.9	4399.5	4281.0	4117.7
15°	7934.5	7486.2	6548.0	5683.5	5206.4	4803.0	4562.8	4207.4	3893.6	3685.5	3567.0
17.5°	8321.9	7777.6	6618.5	5517.0	4831.8	4325.9	3855.2	3470.9	3221.2	3064.3	3025.9
20°	9237.7	8498.0	6737.0	5248.0	4457.1	3826.4	3246.8	2846.6	2654.4	2651.2	2654.4
22.5°	9999.8	9266.5	6977.1	5087.9	4082.5	3186.0	2609.6	2481.5	2443.1	2523.2	2532.8
25°	11027.6	10131.0	7390.2	5004.7	3736.7	2715.3	2359.9	2311.8	2308.6	2411.1	2414.3
27.5°	12081.0	10886.7	7636.7	4761.3	3384.5	2471.9	2209.4	2199.8	2251.0	2359.9	2350.2
30°	12798.3	11520.7	8081.8	4470.0	2968.2	2257.4	2148.5	2161.3	2231.8	2315.0	2327.8
32.5°	13634.0	12145.1	8197.1	4309.9	2712.1	2078.1	2001.2	2030.1	2119.7	2251.0	2321.4
35°	14591.4	12587.0	8373.2	4092.1	2616.0	1940.4	1902.0	1934.0	2042.9	2129.3	2206.2
37.5°	15299.0	13368.2	8405.2	3922.4	2510.3	1863.5	1802.7	1908.4	1972.4	2094.1	2132.5
40°	15824.2	13935.0	8488.4	3816.8	2427.1	1764.3	1764.3	1834.7	1921.2	2033.3	2110.1
42.5°	16160.4	14348.0	8549.3	3720.7	2267.0	1735.5	1719.5	1789.9	1905.2	2014.0	2049.3
44°	16365.3	14524.2	8488.4	3631.0	2222.2	1700.2	1700.2	1761.1	1850.7	1978.8	2020.4
45°	16416.5	14745.1	8353.9	3627.8	2167.7	1658.6	1652.2	1767.5	1828.3	1985.2	2010.8
47.5°	16615.0	15017.3	8370.0	3525.4	2036.5	1559.4	1671.4	1722.7	1777.1	1914.8	2001.2
50°	16608.6	15187.0	8334.7	3374.9	1940.4	1447.3	1633.0	1690.6	1745.1	1886.0	1921.2
52.5°	16653.5	15821.0	8658.1	3134.7	1767.5	1303.2	1504.9	1633.0	1700.2	1818.7	1892.4
55°	16631.1	16182.8	8978.3	2955.4	1524.1	1216.8	1396.1	1546.6	1642.6	1767.5	1802.7
57.5°	15190.2	14303.2	8309.1	2619.2	1261.6	1114.3	1242.4	1456.9	1578.6	1706.7	1751.5
60°	12410.9	11024.4	6852.2	1927.6	1037.4	1024.6	1155.9	1428.1	1479.3	1591.4	1668.2
62.5°	11469.5	9670.0	5433.7	1472.9	886.9	938.2	1066.3	1290.4	1370.4	1508.1	1578.6
65°	8975.1	6423.2	3365.3	995.8	781.3	842.1	963.8	1130.3	1261.6	1389.7	1472.9
67.5°	5315.3	3509.4	1665.0	698.0	682.0	746.1	870.9	995.8	1146.3	1287.2	1328.8
70°	2894.6	1725.9	710.8	531.5	579.6	637.2	758.9	845.3	989.4	1098.3	1168.7
72.5°	928.6	525.1	355.4	393.8	441.9	509.1	582.8	688.4	790.9	854.9	912.6
75°	224.1	220.9	253.0	275.4	320.2	371.4	432.3	486.7	566.7	627.6	678.8
77.5°	156.9	169.7	195.3	227.3	243.4	262.6	301.0	342.6	377.8	422.7	454.7
80°	121.7	131.3	150.5	166.5	182.5	198.5	217.7	233.7	256.2	285.0	301.0
82.5°	115.3	121.7	140.9	150.5	144.1	140.9	153.7	160.1	163.3	172.9	182.5
85°	9.6	0.0	6.4	22.4	54.4	80.0	86.5	86.5	83.3	89.7	89.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	12.8	9.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0	9782.0
2.5°	8658.1	8549.3	8590.9	8642.1	8568.5	8398.8	8443.6	8424.4	8597.3	8584.5	8757.4
5°	7258.9	7089.2	7108.4	7358.1	7278.1	7364.5	7191.6	7169.2	7201.2	7217.2	7246.1
7.5°	5555.4	5533.0	5725.1	5936.5	6035.7	5933.3	5763.6	5725.1	5689.9	5619.5	5779.6
10°	4534.0	4540.4	4527.6	4687.7	4799.8	4777.3	4674.9	4662.1	4594.8	4569.2	4658.9
12.5°	4047.3	3960.8	3919.2	3868.0	3954.4	4012.1	3967.2	3935.2	3938.4	3970.4	3983.3
15°	3576.6	3522.2	3432.5	3374.9	3416.5	3387.7	3371.7	3435.7	3419.7	3413.3	3490.2
17.5°	3048.3	3093.1	3086.7	3022.7	3077.1	3054.7	3051.5	3006.7	2945.8	2901.0	2926.6
20°	2699.3	2782.5	2846.6	2849.8	2878.6	2875.4	2827.3	2689.7	2644.8	2635.2	2641.6
22.5°	2574.4	2619.2	2696.1	2804.9	2804.9	2753.7	2696.1	2536.0	2494.3	2449.5	2430.3
25°	2475.1	2561.6	2660.8	2673.6	2724.9	2676.9	2584.0	2503.9	2417.5	2356.7	2356.7
27.5°	2423.9	2520.0	2593.6	2616.0	2686.5	2648.0	2552.0	2449.5	2347.0	2343.8	2289.4
30°	2401.5	2491.1	2539.2	2593.6	2625.6	2564.8	2536.0	2427.1	2324.6	2299.0	2209.4
32.5°	2334.2	2462.3	2552.0	2539.2	2564.8	2539.2	2497.5	2407.9	2292.6	2235.0	2225.4
35°	2257.4	2385.5	2481.5	2548.8	2564.8	2510.3	2484.7	2363.1	2206.2	2177.3	2078.1
37.5°	2215.8	2292.6	2411.1	2520.0	2542.4	2513.5	2427.1	2302.2	2145.3	2113.3	2026.8
40°	2164.5	2263.8	2356.7	2446.3	2513.5	2443.1	2343.8	2222.2	2151.7	2055.7	2030.1
42.5°	2126.1	2238.2	2315.0	2414.3	2491.1	2398.3	2283.0	2199.8	2100.5	2036.5	1962.8
44°	2113.3	2215.8	2267.0	2388.7	2452.7	2382.3	2286.2	2199.8	2084.5	2026.8	1962.8
45°	2068.5	2209.4	2263.8	2372.7	2427.1	2369.5	2247.8	2161.3	2078.1	2007.6	1940.4
47.5°	2023.6	2119.7	2212.6	2299.0	2337.4	2318.2	2215.8	2110.1	2010.8	1969.2	1905.2
50°	2010.8	2106.9	2193.4	2273.4	2318.2	2279.8	2186.9	2084.5	1969.2	1902.0	1847.5
52.5°	1946.8	2065.3	2161.3	2186.9	2244.6	2222.2	2151.7	2039.7	1930.8	1873.2	1828.3
55°	1853.9	1978.8	2110.1	2142.1	2225.4	2190.2	2084.5	1978.8	1886.0	1799.5	1741.9
57.5°	1818.7	1940.4	2068.5	2110.1	2161.3	2103.7	2078.1	1966.0	1818.7	1773.9	1684.2
60°	1729.1	1882.8	1988.4	2084.5	2087.7	2071.7	2026.8	1898.8	1777.1	1693.8	1629.8
62.5°	1658.6	1802.7	1886.0	1975.6	2030.1	1985.2	1940.4	1821.9	1690.6	1597.8	1524.1
65°	1556.2	1687.4	1757.9	1812.3	1873.2	1866.8	1789.9	1703.5	1565.8	1492.1	1421.7
67.5°	1399.3	1514.5	1610.6	1661.8	1700.2	1690.6	1633.0	1572.2	1431.3	1357.6	1306.4
70°	1210.3	1328.8	1389.7	1418.5	1456.9	1476.1	1431.3	1402.5	1277.6	1181.5	1133.5
72.5°	973.4	1050.2	1139.9	1165.5	1181.5	1194.3	1194.3	1168.7	1040.6	1002.2	919.0
75°	717.2	778.1	845.3	845.3	874.1	877.3	883.7	867.7	771.7	720.4	701.2
77.5°	486.7	531.5	586.0	608.4	627.6	624.4	621.2	576.4	525.1	502.7	483.5
80°	317.0	361.8	387.4	416.3	435.5	432.3	438.7	406.7	384.2	345.8	352.2
82.5°	188.9	224.1	249.8	285.0	285.0	294.6	294.6	285.0	262.6	243.4	243.4
85°	89.7	118.5	134.5	156.9	169.7	172.9	153.7	131.3	108.9	99.3	108.9
87.5°	16.0	22.4	32.0	28.8	35.2	32.0	32.0	32.0	32.0	25.6	28.8
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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2.5°	8693.4	8853.5	8965.5	9151.2	9471.4	9727.6	9990.2	10185.5	10207.9	10265.5
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7.5°	5741.1	5882.0	6263.1	6512.8	7089.2	7630.3	8190.6	8815.0	9064.8	9093.6
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15°	3685.5	3957.6	4338.7	4738.9	5004.7	5632.3	6420.0	7387.0	7857.6	8049.8
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22.5°	2407.9	2439.9	2584.0	2993.8	3727.1	4738.9	6624.9	9141.6	9999.8	10326.4
25°	2257.4	2251.0	2289.4	2564.8	3365.3	4620.4	6849.0	9881.3	11005.2	11360.6
27.5°	2174.1	2110.1	2113.3	2372.7	3109.1	4428.3	7137.2	10729.8	12145.1	12302.0
30°	2132.5	2119.7	2081.3	2186.9	2830.5	4140.2	7185.2	11565.5	12817.5	13044.8
32.5°	2106.9	1982.0	1934.0	1972.4	2568.0	3826.4	7364.5	12116.3	13650.0	13550.8
35°	1978.8	1866.8	1834.7	1873.2	2382.3	3650.3	7246.1	12596.6	14274.4	14440.9
37.5°	1930.8	1831.5	1767.5	1735.5	2209.4	3503.0	7185.2	13336.2	14879.6	15279.8
40°	1886.0	1780.3	1703.5	1671.4	2074.9	3307.6	7166.0	13906.2	15577.6	15817.8
42.5°	1834.7	1767.5	1681.0	1623.4	1911.6	3112.3	6945.1	14082.3	15792.1	16051.5
44°	1818.7	1716.3	1626.6	1607.4	1847.5	3013.1	6900.3	14242.4	15977.8	16371.7
45°	1802.7	1706.7	1604.2	1578.6	1825.1	2958.6	6839.4	14280.8	16285.2	16358.9
47.5°	1757.9	1697.0	1597.8	1527.3	1777.1	2840.2	6656.9	14063.1	15971.4	15984.3
50°	1722.7	1652.2	1549.8	1412.1	1713.1	2740.9	6740.2	13983.0	15215.8	15244.6
52.5°	1684.2	1578.6	1520.9	1284.0	1607.4	2657.6	6916.3	14344.8	15302.2	15295.8
55°	1639.4	1524.1	1383.3	1175.1	1431.3	2552.0	7342.1	15058.9	16102.7	16211.6
57.5°	1569.0	1469.7	1268.0	1079.1	1229.6	2350.2	7204.4	13691.6	14815.5	14834.7
60°	1476.1	1383.3	1149.5	1005.4	1008.6	1853.9	6442.4	10669.0	11690.4	11969.0
62.5°	1386.5	1335.2	1050.2	899.8	858.1	1476.1	5446.6	8866.3	10035.0	10265.5
65°	1280.8	1155.9	963.8	819.7	736.5	1034.2	3858.4	6624.9	7828.8	8139.4
67.5°	1146.3	1011.8	848.5	720.4	630.8	691.6	1991.6	3765.5	4985.5	5168.0
70°	1002.2	877.3	714.0	608.4	509.1	477.1	877.3	1796.3	2724.9	2913.8
72.5°	822.9	707.6	570.0	480.3	381.0	329.8	294.6	480.3	967.0	1123.9
75°	595.6	515.5	429.1	342.6	269.0	211.3	172.9	144.1	160.1	172.9
77.5°	438.7	374.6	317.0	243.4	188.9	150.5	118.5	89.7	86.5	83.3
80°	342.6	304.2	253.0	195.3	147.3	112.1	83.3	60.8	54.4	54.4
82.5°	269.0	249.8	208.1	160.1	121.7	89.7	60.8	41.6	35.2	35.2
85°	102.5	102.5	150.5	131.3	92.9	64.0	41.6	22.4	19.2	19.2
87.5°	25.6	25.6	25.6	25.6	22.4	19.2	19.2	9.6	6.4	6.4
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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