

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: P654100

Luminaire Tested: **GLAN-SA9A-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654100
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-SA9A-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 615mA 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: 25966.7 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

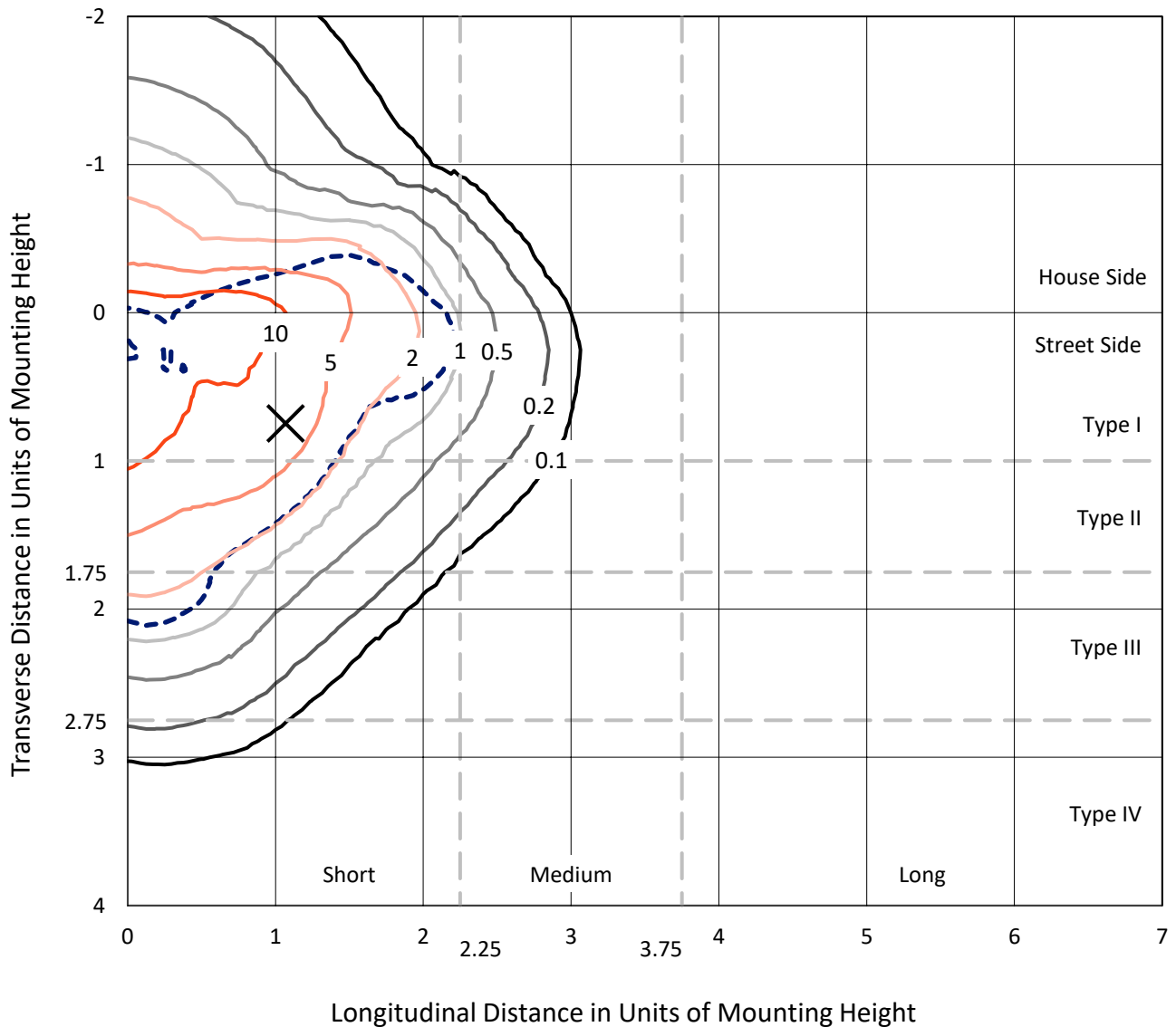
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

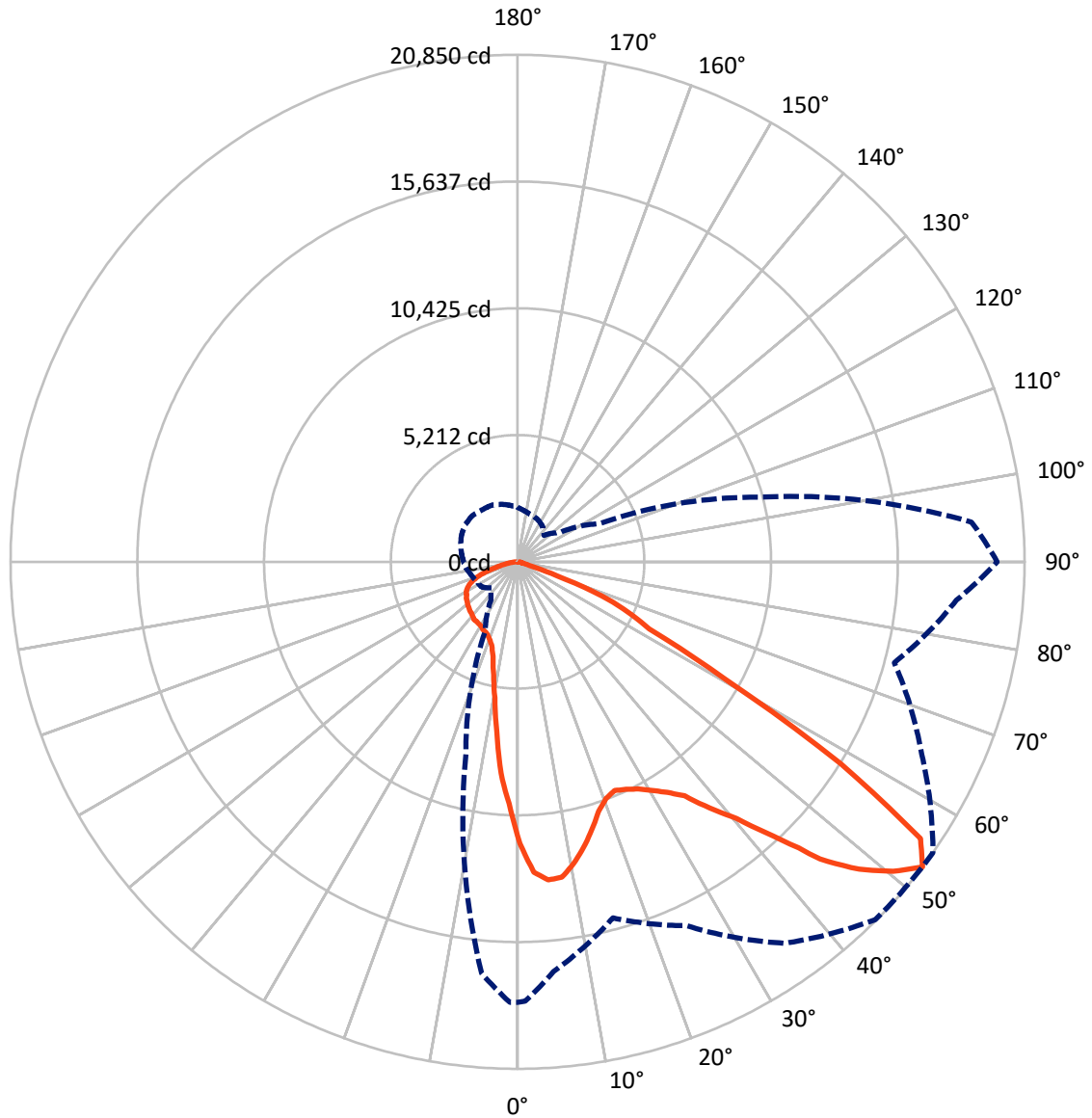
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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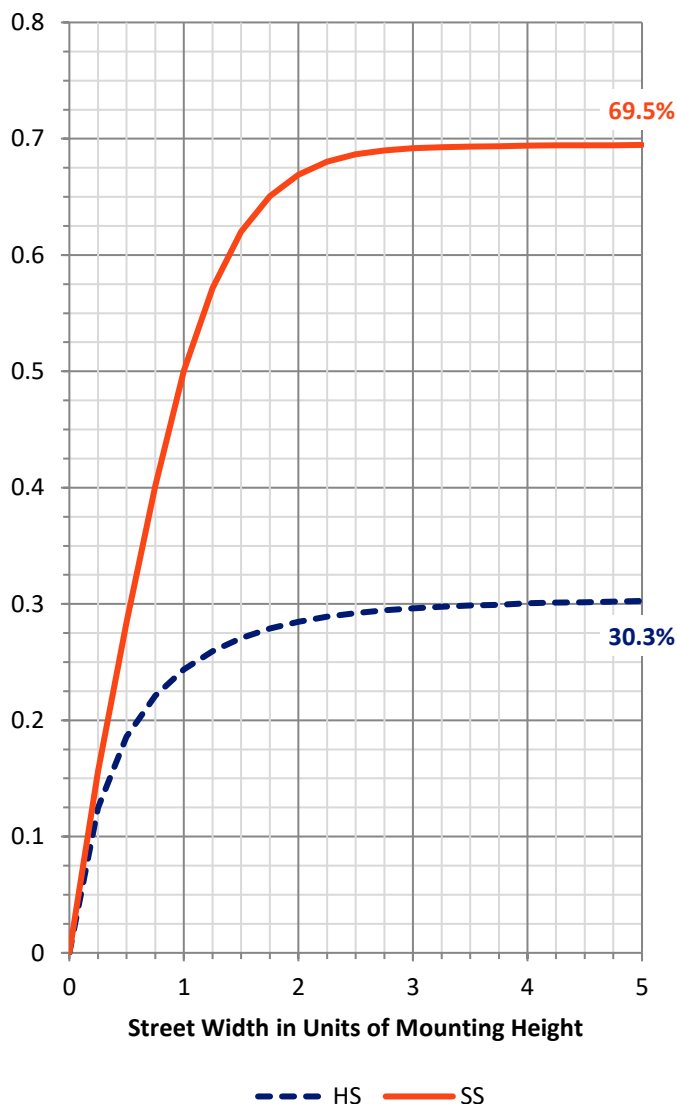
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7921.2	0.0	7921.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18045.5	0.0	18045.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	25966.7	0.0	25966.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.9	3.4
10°-20°	1908.0	7.3
20°-30°	2893.2	11.1
30°-40°	4180.2	16.1
40°-50°	5585.9	21.5
50°-60°	6235.1	24.0
60°-70°	3420.2	13.2
70°-80°	739.4	2.8
80°-90°	119.6	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°	25966.7	100.0
0°-180°	25966.7	100.0

Coefficient of Utilization

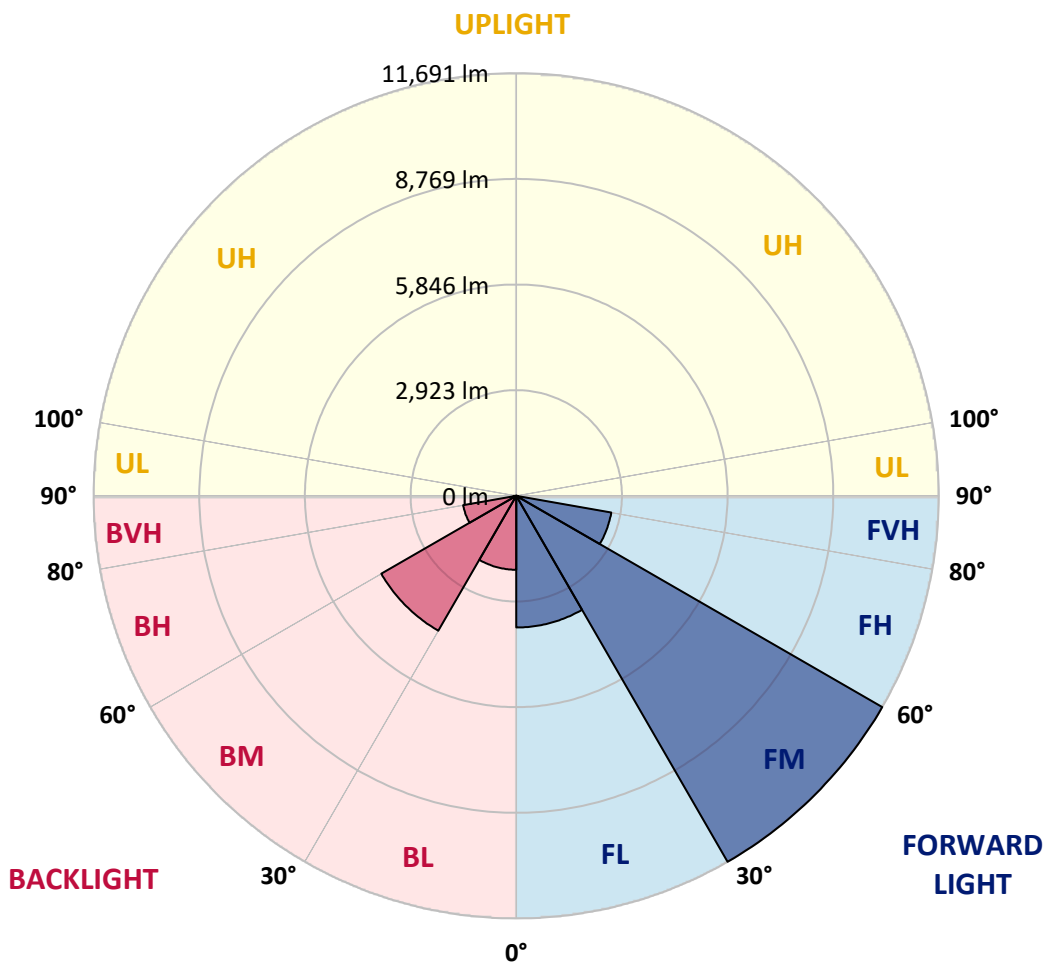


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3641.0	14.0			
FM (30°-60°)	11691.4	45.0			
FH (60°-80°)	2668.7	10.3			G2/5000
FVH (80°-90°)	44.3	0.2			G1/100
BL (0°-30°)	2045.2	7.9	B3/2500		
BM (30°-60°)	4309.8	16.6	B3/5000		
BH (60°-80°)	1491.0	5.7	B3/2500		G3/2500
BVH (80°-90°)	75.3	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°	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2
2.5°	12155.6	12087.4	12148.1	12436.3	12603.1	12716.8	12788.8	12777.5	12504.5	12239.1	12239.1
5°	11799.3	11712.1	11837.2	12489.4	13145.3	13202.2	13297.0	13141.5	12739.6	12254.3	11647.6
7.5°	10768.0	10832.4	11041.0	11897.9	12751.0	13179.4	13293.2	13096.0	12443.9	11537.7	10646.6
10°	9877.0	10028.7	10510.1	11435.3	12220.2	12777.5	12902.6	12625.8	12110.1	10999.3	10203.0
12.5°	9569.8	9475.0	10009.7	10934.9	11685.5	11985.1	12041.9	12060.9	11712.1	10726.3	9755.6
15°	9532.0	9592.6	10009.7	10711.1	11173.7	11188.8	11283.6	11431.5	11477.0	10912.1	9964.2
17.5°	10078.0	10005.9	10434.3	10991.7	10771.8	10551.9	10574.6	10786.9	11162.3	11071.3	10620.1
20°	10885.5	11048.6	11386.0	11329.1	10737.6	10180.3	10184.1	10385.0	11124.4	11731.0	11533.9
22.5°	12227.7	12387.0	12637.2	11950.9	10737.6	10070.3	9941.5	10214.4	11367.0	12515.8	12565.2
25°	13452.4	13744.4	13812.6	13005.0	11276.0	10172.7	10089.3	10358.5	11609.7	13281.7	13748.2
27.5°	14567.1	14673.3	14972.8	13683.7	11575.6	10240.9	10233.4	10578.4	11916.8	13664.7	14806.0
30°	15446.7	15435.4	15606.0	14112.1	12053.3	10623.9	10256.2	10908.3	12318.7	14297.9	15784.2
32.5°	16045.8	16174.7	16534.9	14707.4	12254.3	10987.9	10699.7	11295.0	12807.8	14597.4	16474.3
35°	17099.9	17323.6	16868.6	15037.2	12891.3	11348.1	11010.6	11822.0	13050.5	14923.5	17319.8
37.5°	18093.3	17922.6	17460.1	15215.5	13304.5	12015.4	11700.7	12842.0	13805.0	15632.5	17880.9
40°	18730.2	18726.5	17903.6	15359.5	13596.4	13035.3	13016.3	13877.1	14730.1	16079.9	18510.3
42.5°	19007.0	19272.4	18085.6	15344.4	14210.7	14271.3	14654.3	15424.0	15386.1	16170.9	18495.2
44°	19386.1	19545.4	18400.3	15378.5	14620.2	15105.5	16007.9	16497.0	15958.6	16121.6	18476.2
45°	19371.0	19382.4	17953.0	15424.0	14969.0	15803.1	16610.8	17437.3	16462.9	16015.5	18726.5
47.5°	18927.4	18798.5	17573.8	15086.5	16057.2	17645.9	18392.8	18893.2	17084.7	15788.0	18415.5
50°	18051.6	17903.6	16652.5	14942.5	16284.7	18790.9	19822.2	20004.2	17649.6	15564.3	18108.4
52.5°	18112.2	18070.5	16914.1	15158.6	16512.2	19151.1	20804.2	20849.7	18290.4	16034.4	18112.2
55°	19196.6	19052.5	17664.8	15427.8	16345.3	18730.2	20178.6	20099.0	18074.3	15750.1	18445.8
57.5°	17566.2	17661.0	16625.9	14362.3	14305.5	15226.8	15863.8	15666.7	15082.7	14214.5	17160.5
60°	14172.8	14442.0	14540.6	12011.6	10794.5	10320.6	10131.0	9782.2	9880.7	11678.0	15075.2
62.5°	12155.6	12140.5	12758.6	10889.4	7071.2	6081.6	5990.6	6070.3	7207.7	11496.0	14764.3
65°	9638.1	9896.0	10085.5	9228.6	5596.4	4515.7	4512.0	5016.2	6237.1	9607.8	11920.6
67.5°	6119.5	6457.0	6692.1	5903.4	3742.3	3215.2	3128.0	3734.6	4322.3	6301.5	7177.4
70°	3450.3	3609.6	3715.7	3404.8	2381.1	1668.3	1569.7	1713.8	2612.4	4079.7	4254.1
72.5°	1330.8	1402.9	1546.9	1558.3	898.6	538.4	436.1	523.3	1099.5	1615.2	1539.4
75°	204.8	219.9	310.9	371.6	257.9	197.1	208.6	216.1	307.1	417.1	348.8
77.5°	98.6	98.6	94.8	109.9	128.9	140.3	151.6	166.9	182.0	200.9	193.3
80°	64.4	64.4	64.4	75.9	94.8	113.8	128.9	136.5	144.1	159.3	151.6
82.5°	41.7	41.7	41.7	56.9	75.9	94.8	102.3	121.4	136.5	159.3	147.8
85°	22.8	22.8	22.8	37.9	56.9	79.6	75.9	60.6	34.1	3.8	7.6
87.5°	7.6	7.6	7.6	7.6	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°	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2
2.5°	11920.6	11746.2	11731.0	11374.6	11056.1	10900.7	10775.6	10426.7	10502.6	10301.7	10297.8
5°	11344.3	10987.9	10411.6	9937.6	9463.7	9368.9	8955.6	8595.4	8606.8	8348.9	8394.4
7.5°	10309.2	10062.7	9361.3	8618.1	7988.7	7541.4	7150.9	6915.8	6616.2	6513.9	6460.8
10°	9653.3	9350.0	8561.3	7628.5	6923.4	6684.5	6309.1	6100.6	5793.5	5641.8	5535.6
12.5°	9365.1	8921.5	7935.7	6987.8	6517.7	6271.3	5952.7	5573.6	5209.6	5069.3	4875.9
15°	9395.5	8864.6	7753.7	6730.0	6165.0	5687.3	5402.9	4982.1	4610.5	4364.0	4223.8
17.5°	9854.2	9209.6	7837.1	6532.8	5721.4	5122.4	4565.0	4110.1	3814.3	3628.5	3583.0
20°	10938.6	10062.7	7977.4	6214.3	5277.9	4530.9	3844.6	3370.6	3143.2	3139.4	3143.2
22.5°	11841.0	10972.7	8261.7	6024.8	4834.2	3772.6	3090.1	2938.5	2893.0	2987.7	2999.1
25°	13058.0	11996.4	8750.9	5926.2	4424.8	3215.2	2794.4	2737.5	2733.7	2855.0	2858.8
27.5°	14305.5	12891.3	9042.9	5638.1	4007.7	2927.1	2616.2	2604.8	2665.5	2794.4	2783.0
30°	15154.8	13641.9	9569.8	5293.0	3514.8	2673.0	2544.1	2559.3	2642.7	2741.3	2756.5
32.5°	16144.4	14381.4	9706.3	5103.4	3211.4	2460.7	2369.7	2403.8	2510.0	2665.5	2748.9
35°	17278.1	14904.5	9914.9	4845.6	3097.7	2297.7	2252.2	2290.1	2419.0	2521.4	2612.4
37.5°	18116.0	15829.7	9952.8	4644.7	2972.6	2206.7	2134.6	2259.8	2335.6	2479.7	2525.2
40°	18737.8	16500.8	10051.4	4519.5	2873.9	2089.1	2089.1	2172.6	2274.9	2407.6	2498.6
42.5°	19135.9	16989.9	10123.5	4405.7	2684.4	2055.0	2036.1	2119.5	2256.0	2384.9	2426.6
44°	19378.6	17198.4	10051.4	4299.6	2631.3	2013.3	2013.3	2085.3	2191.5	2343.2	2392.5
45°	19439.2	17460.1	9892.1	4295.8	2566.9	1964.0	1956.4	2092.9	2165.0	2350.8	2381.1
47.5°	19674.4	17782.4	9911.1	4174.5	2411.4	1846.5	1979.2	2039.8	2104.3	2267.3	2369.7
50°	19666.7	17983.3	9869.4	3996.3	2297.7	1713.8	1933.7	2001.9	2066.4	2233.2	2274.9
52.5°	19719.9	18734.0	10252.3	3711.9	2092.9	1543.2	1782.0	1933.7	2013.3	2153.6	2240.8
55°	19693.3	19162.4	10631.5	3499.6	1804.8	1440.8	1653.2	1831.3	1945.1	2092.9	2134.6
57.5°	17987.1	16936.8	9839.0	3101.5	1493.9	1319.4	1471.1	1725.1	1869.2	2020.9	2074.0
60°	14696.1	13054.3	8113.9	2282.5	1228.4	1213.3	1368.7	1691.0	1751.7	1884.4	1975.4
62.5°	13581.3	11450.5	6434.2	1744.1	1050.2	1111.0	1262.6	1528.0	1622.8	1785.8	1869.2
65°	10627.7	7605.8	3984.9	1179.2	925.1	997.2	1141.2	1338.5	1493.9	1645.5	1744.1
67.5°	6294.0	4155.5	1971.6	826.5	807.6	883.5	1031.3	1179.2	1357.4	1524.2	1573.5
70°	3427.6	2043.6	841.8	629.4	686.3	754.5	898.6	1001.0	1171.6	1300.5	1383.9
72.5°	1099.5	621.8	420.8	466.3	523.3	602.8	690.0	815.2	936.5	1012.3	1080.6
75°	265.4	261.6	299.6	326.1	379.1	439.8	511.8	576.3	671.1	743.1	803.8
77.5°	185.8	200.9	231.3	269.2	288.1	310.9	356.4	405.7	447.4	500.5	538.4
80°	144.1	155.4	178.2	197.1	216.1	235.1	257.9	276.8	303.3	337.4	356.4
82.5°	136.5	144.1	166.9	178.2	170.6	166.9	182.0	189.6	193.3	204.8	216.1
85°	11.4	0.0	7.6	26.6	64.4	94.8	102.3	102.3	98.6	106.1	106.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.1	11.4
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°	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2
2.5°	10252.3	10123.5	10172.7	10233.4	10146.2	9945.2	9998.3	9975.5	10180.3	10165.2	10369.9
5°	8595.4	8394.4	8417.2	8712.9	8618.1	8720.6	8515.8	8489.3	8527.2	8546.2	8580.3
7.5°	6578.3	6551.8	6779.3	7029.5	7147.1	7025.7	6824.8	6779.3	6737.6	6654.2	6843.7
10°	5368.9	5376.4	5361.2	5550.9	5683.6	5657.0	5535.6	5520.5	5440.8	5410.6	5516.7
12.5°	4792.5	4690.2	4640.9	4580.2	4682.5	4750.8	4697.7	4659.8	4663.6	4701.5	4716.7
15°	4235.2	4170.7	4064.6	3996.3	4045.5	4011.5	3992.5	4068.3	4049.3	4041.8	4132.8
17.5°	3609.6	3662.6	3655.1	3579.2	3643.6	3617.1	3613.4	3560.3	3488.2	3435.1	3465.5
20°	3196.3	3294.9	3370.6	3374.5	3408.6	3404.8	3347.9	3184.9	3131.8	3120.4	3128.0
22.5°	3048.4	3101.5	3192.5	3321.4	3321.4	3260.7	3192.5	3002.9	2953.6	2900.5	2877.8
25°	2930.9	3033.2	3150.8	3165.9	3226.6	3169.7	3059.8	2964.9	2862.6	2790.6	2790.6
27.5°	2870.2	2984.0	3071.2	3097.7	3181.1	3135.6	3021.9	2900.5	2779.2	2775.4	2711.0
30°	2843.7	2949.8	3006.7	3071.2	3109.1	3037.0	3002.9	2873.9	2752.7	2722.3	2616.2
32.5°	2764.0	2915.7	3021.9	3006.7	3037.0	3006.7	2957.4	2851.2	2714.7	2646.5	2635.1
35°	2673.0	2824.7	2938.5	3018.1	3037.0	2972.6	2942.2	2798.2	2612.4	2578.3	2460.7
37.5°	2623.8	2714.7	2855.0	2984.0	3010.4	2976.4	2873.9	2726.1	2540.3	2502.4	2400.0
40°	2563.1	2680.6	2790.6	2896.7	2976.4	2893.0	2775.4	2631.3	2547.9	2434.2	2403.8
42.5°	2517.6	2650.3	2741.3	2858.8	2949.8	2839.9	2703.4	2604.8	2487.3	2411.4	2324.2
44°	2502.4	2623.8	2684.4	2828.5	2904.3	2820.9	2707.2	2604.8	2468.3	2400.0	2324.2
45°	2449.3	2616.2	2680.6	2809.5	2873.9	2805.7	2661.7	2559.3	2460.7	2377.3	2297.7
47.5°	2396.3	2510.0	2620.0	2722.3	2767.8	2745.1	2623.8	2498.6	2381.1	2331.8	2256.0
50°	2381.1	2494.8	2597.2	2692.0	2745.1	2699.6	2589.6	2468.3	2331.8	2252.2	2187.7
52.5°	2305.3	2445.5	2559.3	2589.6	2657.9	2631.3	2547.9	2415.2	2286.3	2218.1	2165.0
55°	2195.3	2343.2	2498.6	2536.5	2635.1	2593.4	2468.3	2343.2	2233.2	2130.8	2062.6
57.5°	2153.6	2297.7	2449.3	2498.6	2559.3	2491.0	2460.7	2328.0	2153.6	2100.5	1994.3
60°	2047.4	2229.4	2354.5	2468.3	2472.1	2453.1	2400.0	2248.4	2104.3	2005.7	1929.9
62.5°	1964.0	2134.6	2233.2	2339.4	2403.8	2350.8	2297.7	2157.4	2001.9	1892.0	1804.8
65°	1842.7	1998.1	2081.6	2146.0	2218.1	2210.5	2119.5	2017.1	1854.1	1766.9	1683.4
67.5°	1656.9	1793.4	1907.1	1967.8	2013.3	2001.9	1933.7	1861.6	1694.8	1607.7	1546.9
70°	1433.2	1573.5	1645.5	1679.6	1725.1	1747.9	1694.8	1660.7	1512.8	1399.1	1342.2
72.5°	1152.6	1243.6	1349.8	1380.1	1399.1	1414.2	1414.2	1383.9	1232.2	1186.7	1088.2
75°	849.3	921.3	1001.0	1001.0	1035.1	1038.9	1046.5	1027.5	913.7	853.1	830.3
77.5°	576.3	629.4	693.8	720.4	743.1	739.3	735.5	682.5	621.8	595.3	572.6
80°	375.3	428.4	458.8	492.9	515.6	511.8	519.4	481.6	455.0	409.5	417.1
82.5°	223.7	265.4	295.8	337.4	337.4	348.8	348.8	337.4	310.9	288.1	288.1
85°	106.1	140.3	159.3	185.8	200.9	204.8	182.0	155.4	128.9	117.6	128.9
87.5°	18.9	26.6	37.9	34.1	41.7	37.9	37.9	37.9	37.9	30.4	34.1
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°	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2	11583.2
2.5°	10294.0	10483.7	10616.3	10836.2	11215.4	11518.7	11829.6	12060.9	12087.4	12155.6
5°	8705.4	8807.8	9145.2	9585.0	9896.0	10407.8	10737.6	11336.7	11560.4	11799.3
7.5°	6798.2	6965.1	7416.3	7712.0	8394.4	9035.3	9698.7	10438.2	10733.9	10768.0
10°	5732.8	5975.5	6282.6	6756.5	7128.1	7840.9	8667.4	9490.3	9820.1	9877.0
12.5°	5035.2	5346.1	5755.6	6096.8	6453.2	7075.0	7867.5	8883.6	9312.1	9569.8
15°	4364.0	4686.4	5137.5	5611.5	5926.2	6669.3	7602.1	8747.1	9304.5	9532.0
17.5°	3674.0	3973.6	4345.1	4856.9	5490.1	6324.3	7560.3	9202.1	9812.5	10078.0
20°	3082.5	3249.4	3681.6	4208.6	5001.0	5971.7	7575.5	9873.2	10768.0	10885.5
22.5°	2851.2	2889.2	3059.8	3545.1	4413.3	5611.5	7844.7	10824.8	11841.0	12227.7
25°	2673.0	2665.5	2711.0	3037.0	3984.9	5471.2	8110.1	11700.7	13031.5	13452.4
27.5°	2574.5	2498.6	2502.4	2809.5	3681.6	5243.7	8451.4	12705.5	14381.4	14567.1
30°	2525.2	2510.0	2464.5	2589.6	3351.7	4902.4	8508.2	13695.0	15177.5	15446.7
32.5°	2494.8	2347.0	2290.1	2335.6	3040.8	4530.9	8720.6	14347.2	16163.3	16045.8
35°	2343.2	2210.5	2172.6	2218.1	2820.9	4322.3	8580.3	14915.9	16902.7	17099.9
37.5°	2286.3	2168.8	2092.9	2055.0	2616.2	4148.0	8508.2	15791.8	17619.3	18093.3
40°	2233.2	2108.1	2017.1	1979.2	2456.9	3916.7	8485.4	16466.7	18445.8	18730.2
42.5°	2172.6	2092.9	1990.6	1922.3	2263.6	3685.3	8223.9	16675.2	18699.9	19007.0
44°	2153.6	2032.3	1926.1	1903.4	2187.7	3567.9	8170.7	16864.8	18919.8	19386.1
45°	2134.6	2020.9	1899.6	1869.2	2161.2	3503.4	8098.7	16910.3	19283.8	19371.0
47.5°	2081.6	2009.5	1892.0	1808.6	2104.3	3363.1	7882.6	16652.5	18912.2	18927.4
50°	2039.8	1956.4	1835.1	1672.1	2028.5	3245.6	7981.2	16557.7	18017.4	18051.6
52.5°	1994.3	1869.2	1801.0	1520.4	1903.4	3147.0	8189.7	16986.1	18119.8	18112.2
55°	1941.3	1804.8	1637.9	1391.5	1694.8	3021.9	8694.0	17831.6	19067.7	19196.6
57.5°	1857.9	1740.3	1501.4	1277.7	1455.9	2783.0	8530.9	16212.6	17543.4	17566.2
60°	1747.9	1637.9	1361.2	1190.5	1194.3	2195.3	7628.5	12633.4	13842.9	14172.8
62.5°	1641.7	1581.1	1243.6	1065.5	1016.1	1747.9	6449.4	10498.8	11882.7	12155.6
65°	1516.6	1368.7	1141.2	970.6	872.0	1224.7	4568.8	7844.7	9270.3	9638.1
67.5°	1357.4	1198.1	1004.7	853.1	746.9	819.0	2358.3	4458.8	5903.4	6119.5
70°	1186.7	1038.9	845.5	720.4	602.8	564.9	1038.9	2127.1	3226.6	3450.3
72.5°	974.5	838.0	674.9	568.8	451.2	390.6	348.8	568.8	1145.0	1330.8
75°	705.3	610.4	508.0	405.7	318.5	250.3	204.8	170.6	189.6	204.8
77.5°	519.4	443.6	375.3	288.1	223.7	178.2	140.3	106.1	102.3	98.6
80°	405.7	360.2	299.6	231.3	174.4	132.7	98.6	72.1	64.4	64.4
82.5°	318.5	295.8	246.4	189.6	144.1	106.1	72.1	49.3	41.7	41.7
85°	121.4	121.4	178.2	155.4	109.9	75.9	49.3	26.6	22.8	22.8
87.5°	30.4	30.4	30.4	30.4	26.6	22.8	22.8	11.4	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)