

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: P533750

Luminaire Tested: **GLAN-SA9B-722-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-722-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28242 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 364
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



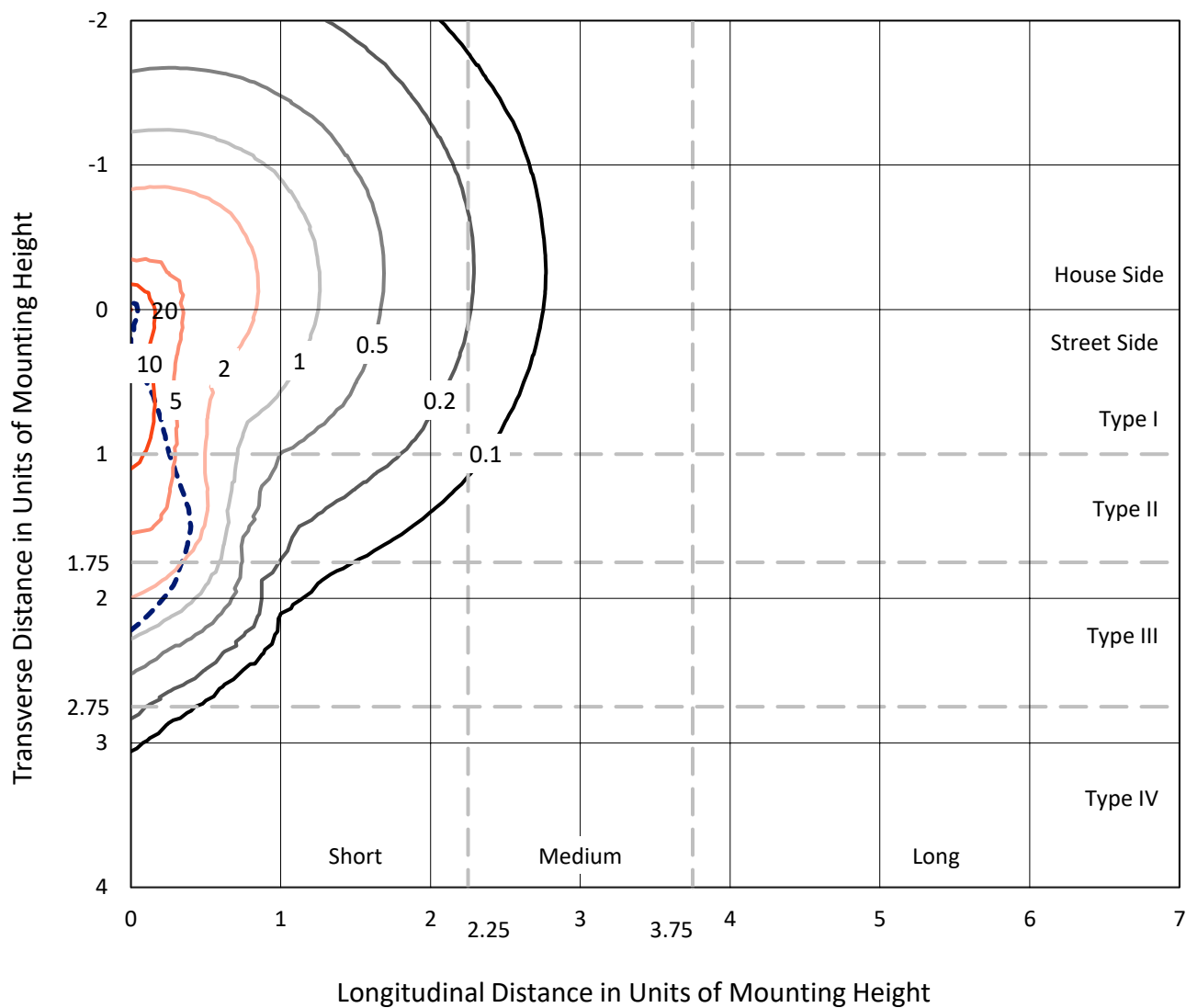
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



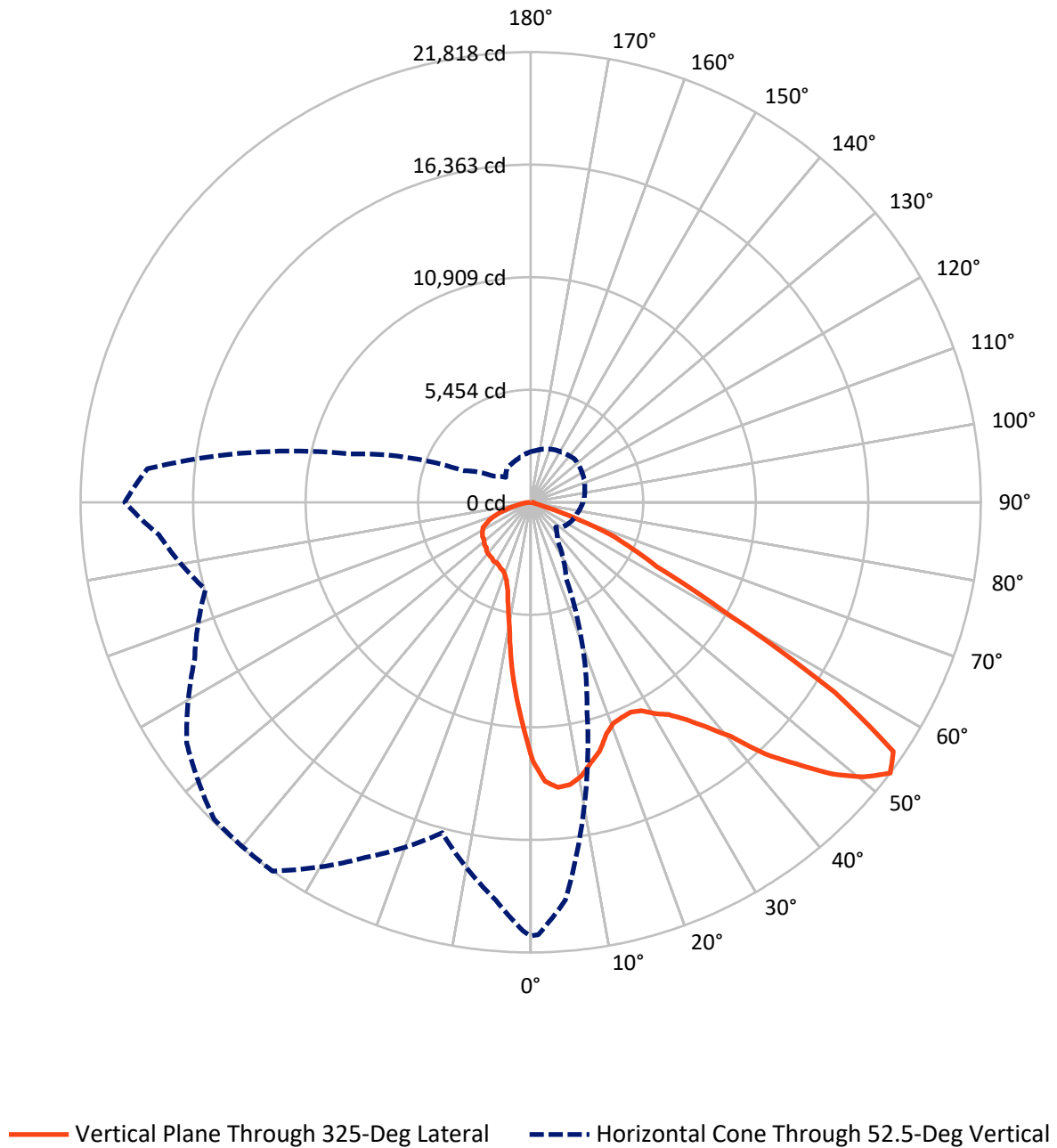
Based on 25 foot mounting height. Maximum calculated value = 20.1 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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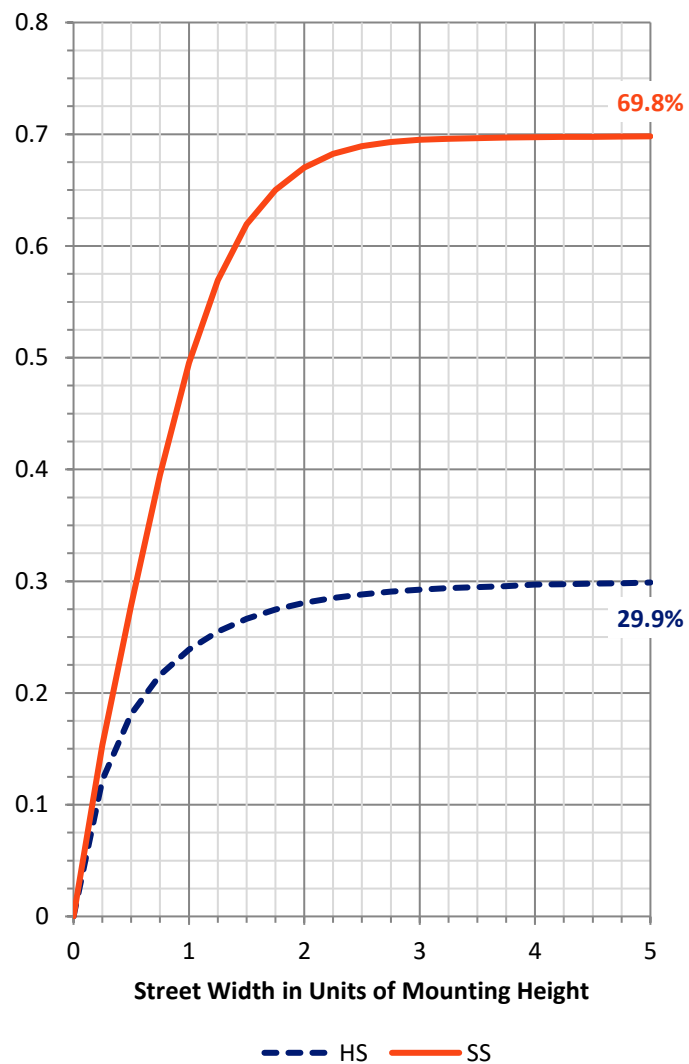
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8513.8	0.0	8513.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	19728.2	0.0	19728.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	28242.0	0.0	28242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.2	3.4
10°-20°	2073.0	7.3
20°-30°	3132.1	11.1
30°-40°	4526.0	16.0
40°-50°	6023.3	21.3
50°-60°	6737.2	23.9
60°-70°	3797.0	13.4
70°-80°	846.4	3.0
80°-90°	150.7	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°	28242.0	100.0
0°-180°	28242.0	100.0

Coefficient of Utilization



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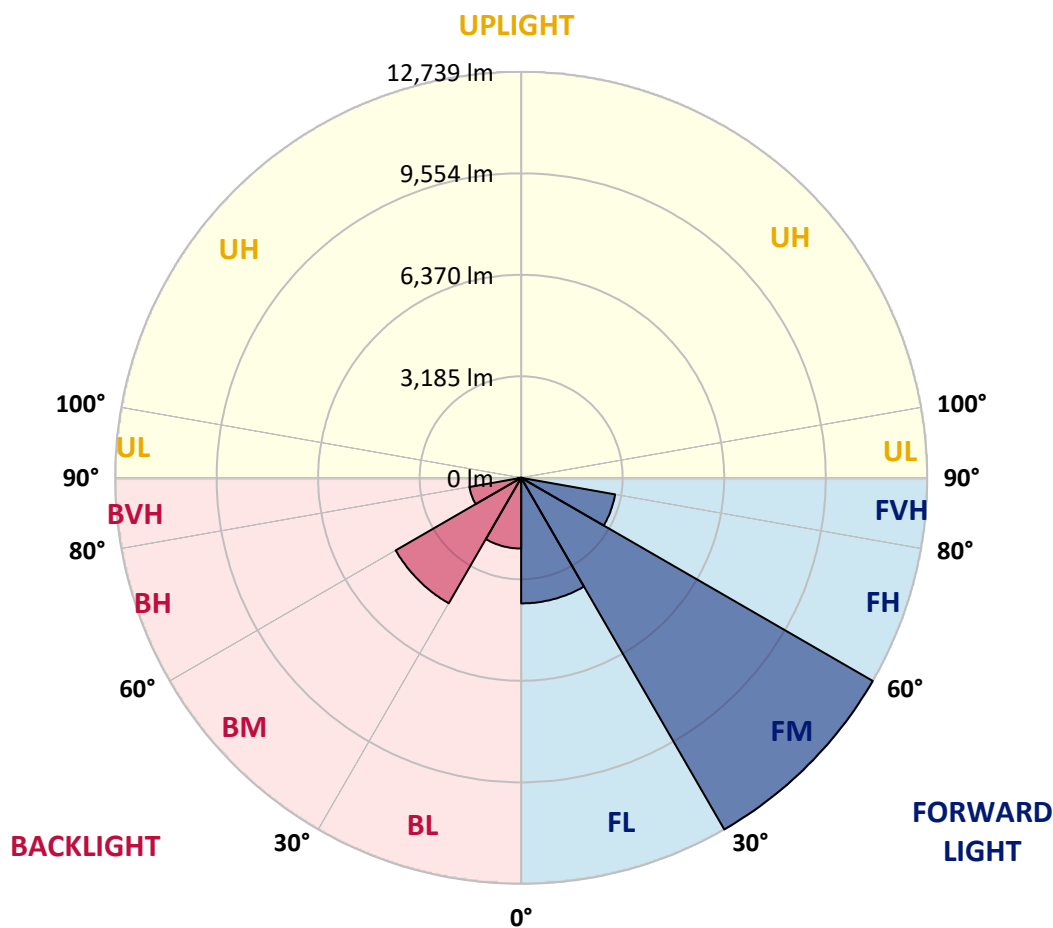
CATALOG NUMBER: GLAN-SA9B-722-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3941.1	14.0			
FM	(30°-60°)	12739.3	45.1			
FH	(60°-80°)	2993.2	10.6			G2/5000
FVH	(80°-90°)	54.6	0.2			G1/100
BL	(0°-30°)	2220.2	7.9	B3/2500		
BM	(30°-60°)	4547.2	16.1	B3/5000		
BH	(60°-80°)	1650.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	96.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0
2.5°	12742.7	12947.4	12726.4	12333.4	12055.0	11801.3	11535.2	11482.0	11134.0	11072.6	10818.8
5°	12018.2	11973.2	11703.0	11187.2	10618.3	10102.5	9721.8	9353.4	9103.7	8813.1	8792.6
7.5°	11138.1	10876.1	10720.6	9938.8	9234.7	8424.2	8076.3	7515.5	7339.5	7077.5	6942.4
10°	10352.2	10159.8	9795.5	9013.7	8031.2	7495.0	7122.5	6819.6	6614.9	6344.8	6005.0
12.5°	9963.3	9885.5	9476.2	8264.6	7535.9	6962.9	6700.9	6406.2	6058.2	5624.3	5456.5
15°	10032.9	9770.9	9459.8	8121.3	7114.3	6561.7	6144.2	5775.8	5329.6	4916.2	4674.7
17.5°	10552.8	10352.2	9730.0	8211.3	6954.7	6156.5	5399.2	4854.8	4453.6	4081.1	3913.3
20°	11576.1	11285.5	10585.5	8326.0	6610.8	5591.6	4723.8	4052.5	3622.7	3426.2	3368.9
22.5°	12710.0	12538.1	11420.6	8583.8	6336.6	5067.6	4007.4	3336.1	3176.5	3123.3	3229.7
25°	14089.5	13643.3	12718.2	9005.5	6123.7	4621.4	3401.6	3029.1	2947.2	3000.5	3123.3
27.5°	15137.4	15018.7	13626.9	9402.5	5833.1	4085.2	3061.9	2816.3	2840.8	2894.0	3008.6
30°	16381.8	15780.0	14507.0	9676.8	5571.1	3716.8	2824.4	2758.9	2783.5	2873.6	2930.9
32.5°	17130.9	16905.7	15059.6	10090.2	5268.2	3397.5	2640.2	2578.8	2615.7	2750.8	2885.8
35°	18084.6	17638.4	15743.2	10196.6	5055.3	3270.6	2509.3	2464.2	2550.2	2644.3	2795.8
37.5°	19198.0	18891.0	16688.8	10123.0	4940.7	3139.6	2398.7	2378.3	2439.7	2570.7	2746.7
40°	19857.1	19762.9	17184.1	10168.0	4760.6	3025.0	2271.8	2296.4	2423.3	2525.6	2697.5
42.5°	20491.5	19877.5	17916.8	10151.6	4646.0	2869.5	2284.1	2255.5	2353.7	2472.4	2636.1
45°	20630.7	20020.8	18088.7	10037.0	4506.8	2718.0	2190.0	2202.2	2321.0	2468.3	2574.7
47.5°	20540.7	20090.4	18408.0	10004.3	4375.8	2611.6	2050.8	2198.2	2267.7	2386.4	2537.9
50°	20479.3	20454.7	18678.2	10159.8	4199.8	2443.8	1883.0	2144.9	2214.5	2333.2	2497.0
52.5°	21019.6	20966.4	19353.6	10569.1	4060.6	2263.6	1711.0	2009.9	2177.7	2292.3	2451.9
55°	21347.1	21113.7	20512.0	11072.6	3827.3	2026.2	1592.3	1842.0	2087.6	2190.0	2353.7
57.5°	19202.1	19042.5	18555.4	10335.8	3434.4	1715.1	1445.0	1670.1	1964.8	2124.5	2292.3
60°	15976.5	15726.8	14478.3	8784.4	2533.8	1334.4	1354.9	1535.0	1932.1	1993.5	2190.0
62.5°	15063.7	14445.6	12746.8	7069.3	1944.4	1146.2	1215.7	1412.2	1760.2	1862.5	2059.0
65°	11952.7	11494.3	9120.1	5104.5	1301.7	994.7	1109.3	1273.0	1518.6	1719.2	1899.3
67.5°	7482.7	7044.7	4867.0	2415.1	908.7	851.4	990.6	1162.5	1363.1	1543.2	1743.8
70°	3909.2	3430.3	2247.3	871.9	626.3	695.9	826.9	990.6	1187.1	1334.4	1490.0
72.5°	1457.2	1183.0	732.7	376.6	433.9	532.1	671.3	790.0	929.2	1109.3	1195.3
75°	225.1	192.4	188.3	229.2	294.7	384.8	478.9	597.6	720.4	835.1	892.4
77.5°	106.4	102.3	114.6	151.5	196.5	274.3	347.9	462.6	560.8	634.5	667.2
80°	69.6	65.5	73.7	102.3	147.4	204.7	278.4	356.1	446.2	507.6	499.4
82.5°	40.9	45.0	45.0	69.6	102.3	147.4	200.6	270.2	331.6	384.8	352.0
85°	24.6	20.5	20.5	40.9	69.6	118.7	167.8	114.6	118.7	118.7	135.1
87.5°	8.2	8.2	8.2	4.1	8.2	8.2	12.3	20.5	24.6	28.7	36.8
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0
2.5°	10810.7	10937.5	10892.5	10732.9	10855.7	10876.1	10794.3	11076.7	11129.9	11044.0	11068.5
5°	8764.0	8796.7	8870.4	9025.9	9136.5	9267.4	9267.4	9275.6	9165.1	9443.5	9361.6
7.5°	6827.8	6848.2	6934.2	7265.8	7359.9	7609.6	7716.0	7642.4	7421.3	7327.2	7405.0
10°	5894.5	5775.8	5747.1	5788.1	6000.9	6107.3	6197.4	6172.8	6136.0	6062.3	5980.4
12.5°	5272.3	5186.3	5116.7	5018.5	5030.8	5133.1	5202.7	5145.4	5161.8	5178.1	5202.7
15°	4596.9	4535.5	4498.6	4351.3	4334.9	4404.5	4429.1	4461.8	4523.2	4527.3	4498.6
17.5°	3880.5	3827.3	3909.2	3991.1	3933.8	3937.8	3982.9	4011.5	3995.2	3921.5	3884.6
20°	3389.3	3446.6	3528.5	3606.3	3667.7	3704.5	3720.9	3675.9	3622.7	3471.2	3467.1
22.5°	3246.1	3319.7	3389.3	3508.0	3565.3	3659.5	3573.5	3471.2	3397.5	3323.8	3237.9
25°	3139.6	3201.0	3340.2	3385.2	3495.8	3573.5	3512.1	3409.8	3282.9	3176.5	3111.0
27.5°	3061.9	3131.4	3221.5	3344.3	3430.3	3475.3	3413.9	3373.0	3242.0	3115.1	3020.9
30°	3012.7	3086.4	3250.2	3352.5	3426.2	3463.0	3356.6	3307.5	3213.3	3106.9	3025.0
32.5°	2980.0	3045.5	3184.7	3315.6	3364.8	3364.8	3381.1	3323.8	3192.8	3012.7	2943.2
35°	2873.6	2963.6	3078.2	3229.7	3319.7	3373.0	3291.1	3225.6	3139.6	2955.4	2828.5
37.5°	2812.2	2873.6	3020.9	3164.2	3242.0	3299.3	3266.5	3151.9	3037.3	2885.8	2783.5
40°	2746.7	2844.9	2975.9	3111.0	3196.9	3254.2	3229.7	3094.6	2955.4	2812.2	2742.6
42.5°	2701.6	2767.1	2902.2	3053.7	3156.0	3266.5	3192.8	3025.0	2926.8	2730.3	2652.5
45°	2664.8	2771.2	2914.5	2975.9	3082.3	3196.9	3066.0	2963.6	2849.0	2705.7	2640.2
47.5°	2619.8	2718.0	2812.2	2975.9	3025.0	3078.2	3053.7	2889.9	2791.7	2636.1	2591.1
50°	2603.4	2640.2	2812.2	2902.2	2971.8	3025.0	2959.5	2836.7	2742.6	2582.9	2484.7
52.5°	2537.9	2607.5	2718.0	2836.7	2922.7	2988.2	2881.7	2804.0	2677.1	2509.3	2447.8
55°	2456.0	2497.0	2693.5	2816.3	2861.3	2906.3	2865.4	2738.5	2607.5	2435.6	2374.2
57.5°	2349.6	2443.8	2603.4	2775.3	2832.6	2857.2	2791.7	2689.4	2525.6	2374.2	2275.9
60°	2239.1	2337.3	2513.3	2652.5	2709.8	2799.9	2701.6	2640.2	2451.9	2284.1	2177.7
62.5°	2128.6	2239.1	2370.1	2546.1	2595.2	2632.1	2607.5	2521.5	2370.1	2181.8	2050.8
65°	1997.6	2079.4	2243.2	2333.2	2366.0	2451.9	2366.0	2333.2	2198.2	2018.0	1907.5
67.5°	1801.1	1870.7	2013.9	2099.9	2124.5	2161.3	2157.2	2120.4	1968.9	1846.1	1747.9
70°	1576.0	1637.4	1727.4	1829.7	1842.0	1887.1	1846.1	1837.9	1739.7	1571.9	1518.6
72.5°	1264.9	1322.2	1440.9	1485.9	1490.0	1506.4	1485.9	1457.2	1432.7	1256.7	1203.5
75°	970.1	1002.9	1060.2	1101.1	1101.1	1121.6	1109.3	1080.7	1015.2	904.6	851.4
77.5°	675.4	708.2	781.8	806.4	802.3	810.5	773.7	745.0	646.8	589.4	544.4
80°	491.2	511.7	548.5	564.9	569.0	581.3	536.2	511.7	454.4	388.9	368.4
82.5°	356.1	368.4	372.5	393.0	393.0	372.5	360.2	335.7	294.7	253.8	237.4
85°	147.4	151.5	155.5	180.1	184.2	221.0	204.7	192.4	167.8	143.3	131.0
87.5°	36.8	40.9	53.2	45.0	53.2	53.2	57.3	65.5	65.5	53.2	53.2
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°	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0
2.5°	11162.7	11195.4	11613.0	11666.2	11870.8	12079.6	12501.2	12804.1	13049.7	13209.4	13254.4
5°	9447.6	9656.3	9848.7	10159.8	10442.2	10843.4	11306.0	11879.0	12599.5	12967.9	13115.2
7.5°	7396.8	7642.4	7920.7	8223.6	8637.1	9357.5	9975.6	10638.7	11559.7	11940.4	12517.6
10°	6037.8	6312.0	6680.4	6913.7	7413.1	8100.8	8821.3	9586.7	10466.8	11015.3	11682.5
12.5°	5337.8	5562.9	5902.7	6393.9	6766.4	7212.6	7748.8	8714.8	9975.6	10495.5	10953.9
15°	4564.1	4813.8	5206.8	5751.2	6197.4	6729.5	7331.3	8383.3	9725.9	10528.2	10917.1
17.5°	3925.6	4105.7	4519.1	4989.8	5501.5	6082.8	6946.5	8366.9	9987.9	11015.3	11649.8
20°	3483.5	3508.0	3733.2	4134.3	4830.2	5587.5	6709.1	8285.0	10827.0	11854.5	12656.8
22.5°	3205.1	3180.6	3184.7	3524.4	4011.5	5100.4	6336.6	8563.4	11780.8	13188.9	13729.2
25°	3066.0	3000.5	2959.5	3033.2	3475.3	4523.2	6054.1	8931.8	12808.2	14290.0	14953.2
27.5°	2992.3	2877.7	2795.8	2808.1	3131.4	4232.6	5878.1	9091.4	13827.5	15825.1	16058.4
30°	2963.6	2820.3	2701.6	2660.7	2873.6	3827.3	5501.5	9365.7	14740.3	16668.3	16868.9
32.5°	2861.3	2685.3	2570.7	2533.8	2619.8	3471.2	5231.4	9562.2	15546.7	17585.2	17515.6
35°	2742.6	2595.2	2451.9	2382.4	2443.8	3242.0	5014.4	9468.0	16496.4	18297.5	18260.6
37.5°	2730.3	2537.9	2419.2	2304.6	2300.5	2959.5	4719.7	9558.1	17102.2	19574.6	19071.1
40°	2623.9	2501.1	2345.5	2251.4	2198.2	2816.3	4433.1	9345.2	17990.5	20090.4	19595.1
42.5°	2628.0	2443.8	2308.7	2198.2	2144.9	2607.5	4236.7	9287.9	18301.6	20929.5	19840.7
45°	2562.5	2382.4	2267.7	2136.8	2108.1	2447.8	4048.4	9021.8	18850.1	20970.5	19533.7
47.5°	2497.0	2337.3	2214.5	2059.0	1993.5	2390.5	3901.0	8800.8	18563.5	20585.7	19108.0
50°	2451.9	2267.7	2153.1	2042.6	1858.4	2292.3	3708.6	8747.6	18162.4	20065.8	18317.9
52.5°	2374.2	2210.4	2091.7	2005.8	1711.0	2202.2	3634.9	9058.7	18653.6	19676.9	18088.7
55°	2300.5	2132.7	1981.2	1813.4	1588.2	1964.8	3430.3	9349.3	19369.9	20573.4	19128.4
57.5°	2222.7	2063.1	1899.3	1698.8	1469.5	1719.2	3217.4	9402.5	18027.3	19013.8	18158.3
60°	2120.4	1915.7	1792.9	1530.9	1342.6	1424.5	2550.2	8289.1	13983.0	15878.3	15906.9
62.5°	2005.8	1784.7	1678.3	1371.3	1211.6	1228.0	2079.4	6967.0	11342.8	13143.9	13925.7
65°	1854.3	1641.5	1514.6	1269.0	1117.5	1064.3	1522.7	5104.5	8616.6	10663.3	11551.6
67.5°	1657.8	1457.2	1297.6	1105.2	998.8	912.8	1039.7	2873.6	5088.1	7159.3	7429.5
70°	1449.1	1277.1	1109.3	949.7	831.0	769.6	761.4	1273.0	2431.5	3851.9	4384.0
72.5°	1142.1	1019.3	884.2	765.5	687.7	597.6	544.4	528.0	822.8	1567.8	2165.4
75°	818.7	716.3	638.6	560.8	503.5	454.4	413.4	376.6	343.8	393.0	540.3
77.5°	515.8	478.9	417.5	397.1	364.3	352.0	335.7	315.2	290.6	274.3	274.3
80°	347.9	323.4	302.9	298.8	286.5	282.4	286.5	266.1	241.5	221.0	229.2
82.5°	233.3	229.2	225.1	221.0	225.1	229.2	237.4	233.3	212.9	200.6	204.7
85°	139.2	147.4	155.5	163.7	180.1	159.6	131.0	110.5	98.2	90.1	86.0
87.5°	53.2	73.7	65.5	61.4	65.5	61.4	57.3	53.2	45.0	40.9	40.9
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°	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0	12534.0
2.5°	13553.2	13635.1	13704.7	13688.3	13545.0	13352.7	13274.9	12877.8	12796.0	12742.7
5°	13737.4	14212.3	14314.6	14253.2	13880.7	13410.0	12951.5	12370.2	12030.5	12018.2
7.5°	13397.7	13983.0	14167.2	14306.4	13811.1	12992.4	12206.5	11334.6	11121.8	11138.1
10°	12534.0	13467.3	13921.6	14064.9	13495.9	12787.8	11698.9	10814.7	10360.4	10352.2
12.5°	12055.0	12787.8	12914.7	13115.2	12947.4	12231.1	11404.2	10413.6	9971.5	9963.3
15°	11629.3	12112.4	12149.2	12431.6	12521.7	12038.7	11482.0	10425.9	10069.7	10032.9
17.5°	12001.8	11666.2	11527.0	11563.8	11829.9	12005.9	11932.2	11121.8	10757.4	10552.8
20°	12251.5	11502.4	11080.8	11121.8	11436.9	12079.6	12603.6	12128.7	11551.6	11576.1
22.5°	12918.8	11527.0	10868.0	10822.9	11322.3	12464.4	13360.8	13401.8	12845.1	12710.0
25°	13917.5	11809.4	10802.5	10790.2	11269.1	12877.8	14245.0	14908.1	14339.2	14089.5
27.5°	14719.8	12251.5	11007.1	11048.1	11436.9	13213.5	14998.2	15878.3	15444.4	15137.4
30°	15423.9	12710.0	11293.7	11105.4	11887.2	13389.5	15321.6	16983.5	16635.6	16381.8
32.5°	15714.5	13360.8	11748.0	11436.9	12259.7	13602.3	15992.9	18056.0	17757.1	17130.9
35°	16205.7	13725.2	11993.6	11969.1	12910.6	14114.0	16308.1	18764.1	18641.3	18084.6
37.5°	16598.7	14093.6	12865.5	12595.4	13802.9	14973.6	16815.7	19742.4	19460.0	19198.0
40°	16901.6	14752.6	13680.1	14036.2	14900.0	15755.5	17282.3	19803.8	20618.4	19857.1
42.5°	16623.3	15342.0	15018.7	15870.1	16688.8	16647.8	17335.5	20278.7	20888.6	20491.5
45°	16553.7	16340.8	17134.9	17908.6	18096.9	17388.7	16954.8	19754.7	20806.7	20630.7
47.5°	16385.9	17323.2	18706.8	19967.6	19681.0	17884.0	16500.5	19660.6	20855.8	20540.7
50°	16328.5	17536.1	19869.3	21097.4	20925.4	18313.8	16287.6	19054.8	20507.9	20479.3
52.5°	16324.5	17974.1	20352.4	21711.4	21817.8	18993.3	16578.2	19361.8	20778.1	21019.6
55°	16508.7	17834.9	20291.0	21371.6	21330.7	18690.4	16611.0	19566.4	21109.6	21347.1
57.5°	15571.3	15976.5	16746.1	17601.6	17380.6	15481.2	14834.5	18088.7	19374.0	19202.1
60°	13446.8	12177.8	11310.0	11269.1	10839.3	10245.8	12141.0	16144.3	16144.3	15976.5
62.5°	11776.7	7994.4	6868.7	6549.4	6856.4	7540.0	11711.2	15702.3	15256.1	15063.7
65°	10299.0	6103.3	4965.3	4875.2	5407.4	6438.9	10589.6	13377.2	12591.3	11952.7
67.5°	6627.2	4470.0	3692.2	3532.6	4175.3	4727.9	7048.8	8227.7	7732.4	7482.7
70°	4273.5	2910.4	2054.9	1928.0	2177.7	2914.5	4502.7	4797.5	4077.0	3909.2
72.5°	2022.1	1256.7	720.4	593.5	667.2	1113.4	1780.6	1915.7	1592.3	1457.2
75°	642.7	462.6	294.7	253.8	241.5	286.5	409.3	315.2	229.2	225.1
77.5°	286.5	274.3	233.3	196.5	171.9	143.3	118.7	98.2	102.3	106.4
80°	237.4	216.9	192.4	171.9	143.3	110.5	86.0	65.5	65.5	69.6
82.5°	208.8	188.3	167.8	143.3	122.8	90.1	65.5	45.0	40.9	40.9
85°	90.1	106.4	114.6	122.8	98.2	73.7	45.0	28.7	24.6	24.6
87.5°	36.8	32.7	28.7	24.6	20.5	20.5	16.4	12.3	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)