

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: P319726

Luminaire Tested: **GAN-SA2C-750-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-750-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14473 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

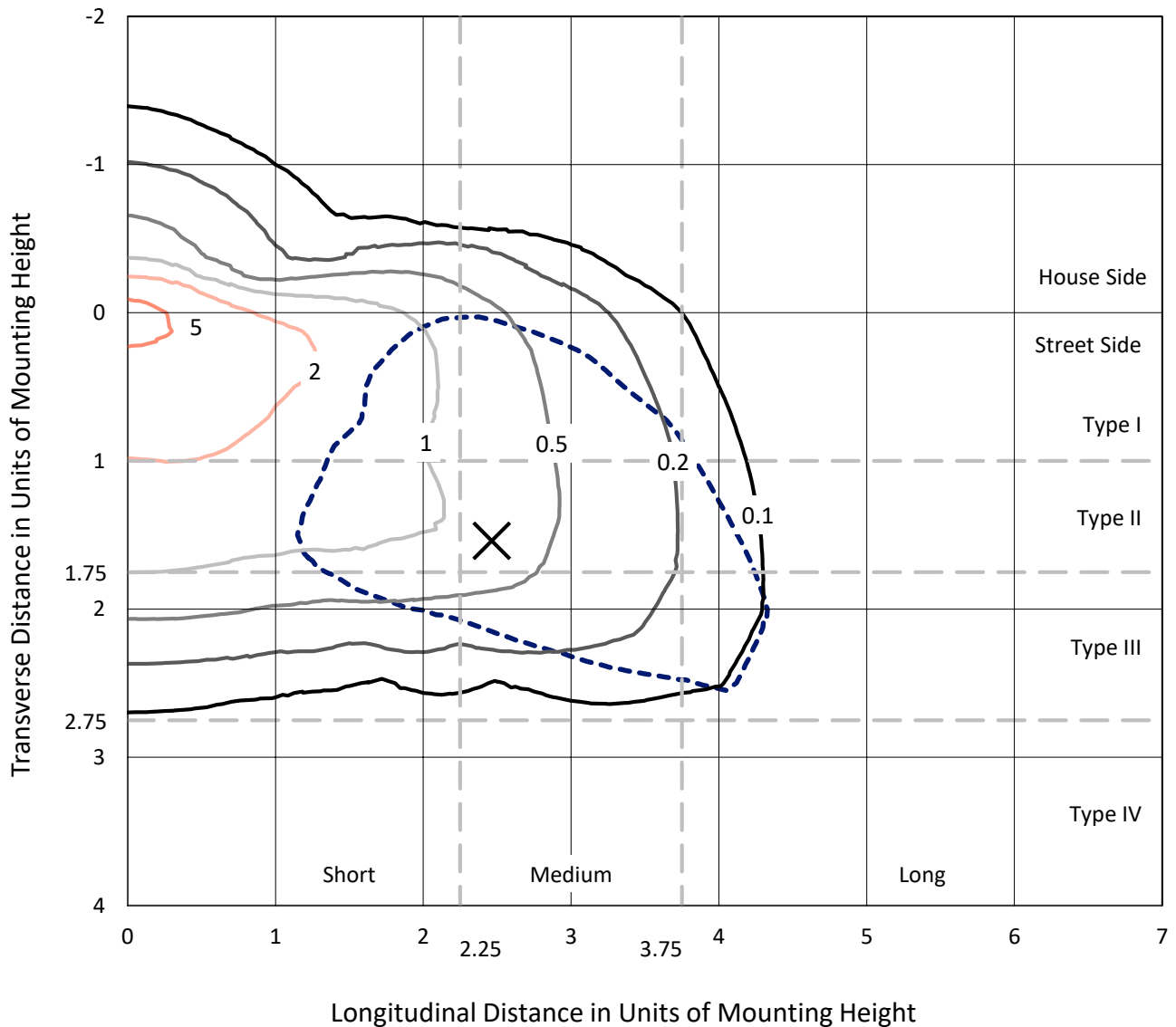
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

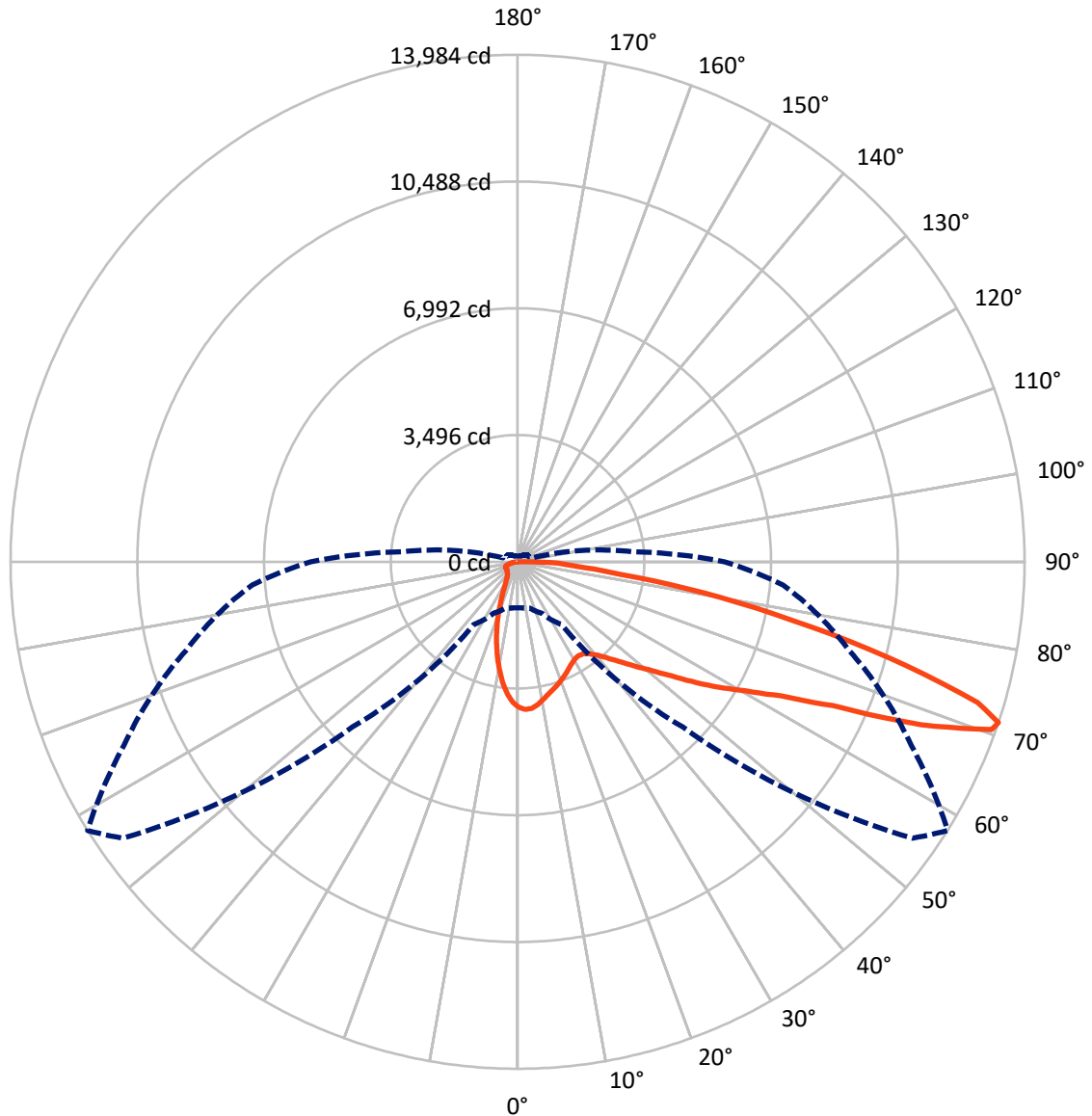
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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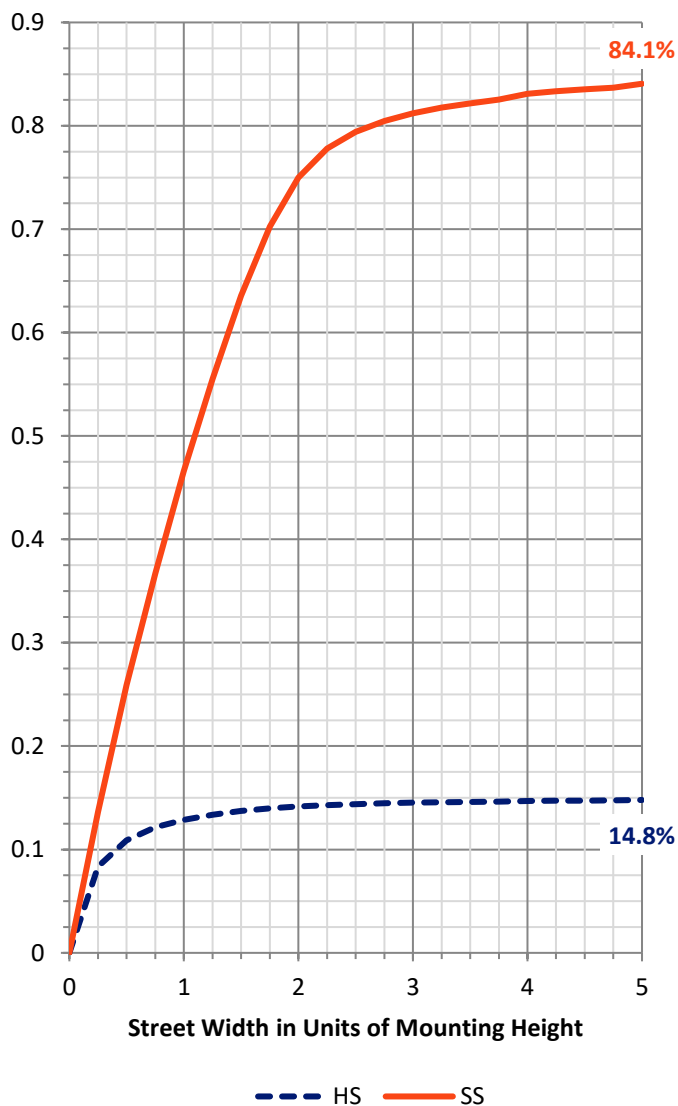
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2163.8	0.0	2163.8
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	12309.2	0.0	12309.2
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	14473.0	0.0	14473.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.9	2.4
10°-20°	769.2	5.3
20°-30°	977.6	6.8
30°-40°	1245.3	8.6
40°-50°	1765.9	12.2
50°-60°	2732.8	18.9
60°-70°	3720.4	25.7
70°-80°	2481.9	17.1
80°-90°	433.9	3.0
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°	14473.0	100.0
0°-180°	14473.0	100.0

**Coefficient of Utilization**

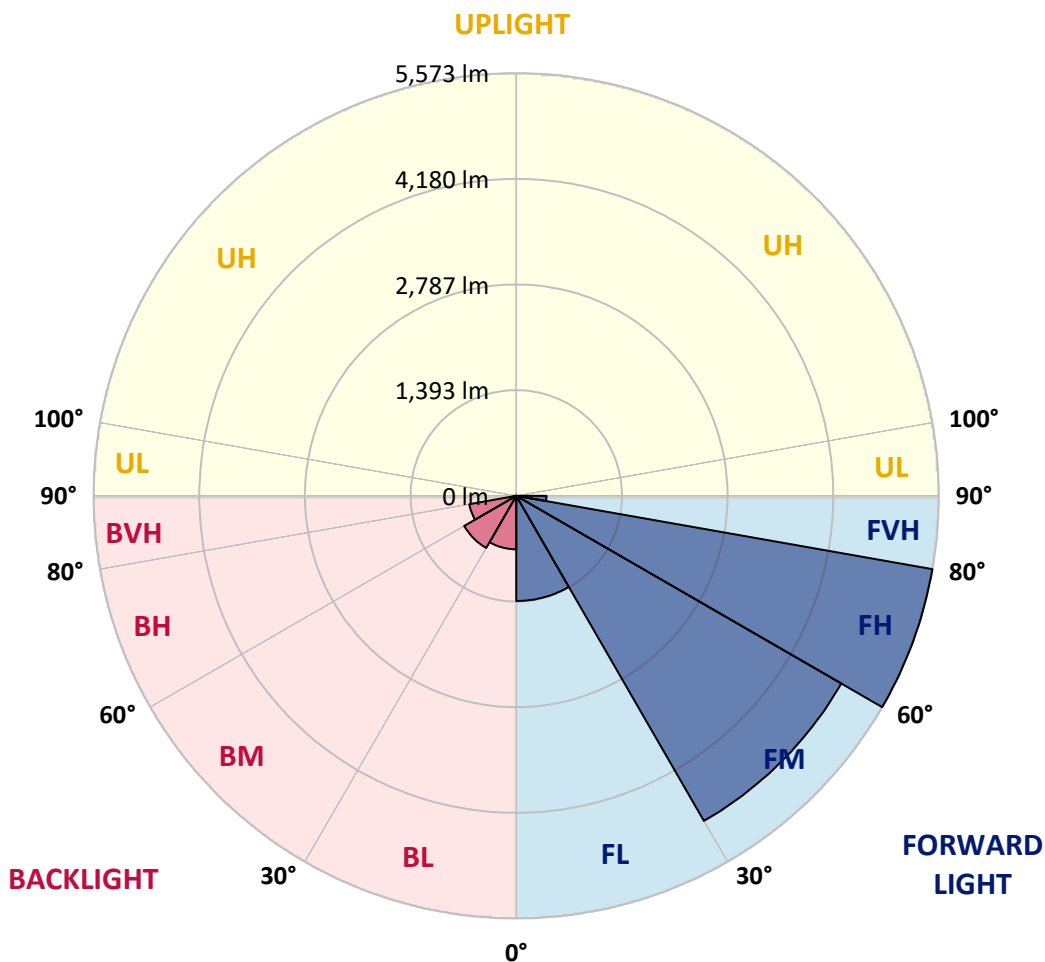


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1387.5	9.6			
FM (30°-60°)	4950.5	34.2			
FH (60°-80°)	5573.4	38.5			G3/7500
FVH (80°-90°)	397.9	2.7			G3/500
BL (0°-30°)	705.3	4.9	B2/1000		
BM (30°-60°)	793.5	5.5	B1/1000		
BH (60°-80°)	628.9	4.3	B2/1000		G2/1000
BVH (80°-90°)	36.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0
2.5°	4116.4	4110.8	4112.8	4108.8	4099.2	4089.6	4075.5	4078.0	4058.4	4029.1	3992.8
5°	4038.7	4036.7	4051.8	4060.4	4067.5	4061.9	4057.9	4062.9	4034.2	3993.9	3930.8
7.5°	3875.9	3853.7	3872.9	3901.6	3928.8	3949.5	3976.7	3980.2	3962.1	3919.7	3837.1
10°	3644.5	3623.3	3651.5	3696.4	3750.9	3800.3	3855.2	3865.3	3868.8	3830.5	3730.2
12.5°	3404.5	3388.4	3416.6	3479.6	3569.9	3646.0	3733.7	3748.8	3780.1	3754.4	3631.4
15°	3189.7	3183.7	3218.0	3280.0	3383.8	3500.3	3626.8	3654.6	3707.5	3698.9	3554.2
17.5°	3004.2	3002.7	3028.9	3094.0	3208.9	3356.1	3520.5	3567.3	3646.0	3656.1	3490.7
20°	2866.1	2863.1	2881.2	2929.1	3047.6	3214.4	3405.5	3470.0	3583.5	3618.8	3425.2
22.5°	2792.0	2791.5	2792.0	2814.7	2911.5	3066.7	3293.6	3372.2	3522.5	3589.0	3352.6
25°	2779.4	2777.9	2766.8	2764.2	2819.2	2943.2	3182.7	3269.4	3464.5	3568.4	3283.5
27.5°	2812.1	2814.2	2799.5	2775.8	2786.9	2862.0	3086.4	3179.2	3418.1	3564.3	3235.6
30°	2880.2	2879.2	2866.6	2841.9	2820.2	2831.8	3017.8	3110.6	3386.9	3582.0	3202.8
32.5°	2955.3	2960.9	2958.3	2944.7	2912.5	2866.1	2997.2	3087.9	3377.8	3624.3	3188.7
35°	3045.6	3051.6	3069.8	3080.3	3042.5	2967.9	3041.5	3120.2	3404.0	3704.0	3211.4
37.5°	3131.3	3146.9	3197.8	3242.7	3210.4	3127.2	3159.5	3215.5	3485.2	3829.5	3272.4
40°	3230.1	3243.7	3326.9	3422.2	3417.1	3330.9	3349.6	3386.9	3628.3	4009.5	3382.8
42.5°	3327.4	3354.6	3475.1	3610.2	3649.0	3572.9	3602.6	3622.3	3830.0	4247.9	3575.4
45°	3456.9	3486.2	3653.6	3816.4	3907.1	3864.3	3911.7	3919.2	4083.6	4572.6	3855.2
47.5°	3653.1	3686.3	3881.4	4052.3	4191.0	4195.5	4273.7	4270.6	4400.2	4944.2	4207.6
50°	3958.6	4006.5	4166.3	4326.1	4494.5	4588.2	4692.6	4678.0	4779.8	5339.9	4613.5
52.5°	4358.9	4381.0	4499.5	4617.5	4826.7	5036.9	5186.7	5173.6	5210.4	5746.8	5074.2
55°	4773.8	4790.4	4839.3	4903.8	5185.2	5528.0	5844.6	5823.9	5730.6	6169.3	5529.5
57.5°	5146.8	5180.6	5214.4	5241.1	5546.1	6041.2	6517.6	6519.1	6295.3	6625.0	5999.9
60°	5204.8	5234.6	5457.9	5668.6	6163.7	6725.8	7238.0	7222.9	6879.6	7119.6	6524.2
62.5°	4600.8	4667.9	5041.0	5601.6	6758.6	7978.1	8157.1	8138.5	7578.3	7729.1	7134.7
65°	3297.1	3373.3	3823.5	4665.9	6470.2	9358.0	9815.8	9564.7	8531.2	8478.8	7849.6
67.5°	1902.1	1920.3	2115.4	2792.0	4926.5	9430.1	12346.1	11994.7	10010.9	9329.2	8199.5
70°	1406.6	1406.1	1452.4	1718.1	2665.9	7696.3	13549.5	13864.6	11568.7	9609.0	7704.9
71°	1272.0	1273.5	1325.4	1563.9	2111.4	6442.0	13293.9	13983.5	11979.0	9470.9	7346.9
72.5°	1088.0	1093.0	1165.1	1402.5	1776.1	4442.5	12192.8	13269.7	12173.6	9130.1	6786.8
75°	825.3	836.9	936.7	1182.2	1623.4	2253.0	8948.6	10596.2	10814.5	8056.3	5043.0
77.5°	588.8	602.0	714.9	994.2	1543.2	1698.0	5992.8	7729.1	7958.5	5163.0	2274.7
80°	372.1	387.7	472.9	791.0	1449.9	1612.3	3766.0	5195.2	4339.7	1652.1	578.8
82.5°	218.3	230.4	293.4	516.8	1184.2	1552.8	2215.7	2879.7	1688.9	499.1	263.2
85°	126.5	132.1	183.0	329.2	860.1	1465.6	1627.9	1609.7	733.0	244.0	124.5
87.5°	59.0	65.5	108.4	171.9	477.4	1062.2	1286.6	1111.6	455.7	114.4	58.5
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°	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0	4010.0
2.5°	3975.2	3966.6	3930.8	3899.1	3865.8	3822.4	3774.6	3768.5	3739.3	3744.8	3734.7
5°	3896.6	3874.9	3788.7	3710.5	3618.3	3535.6	3445.8	3404.5	3345.0	3341.0	3325.9
7.5°	3784.1	3743.8	3610.2	3462.0	3313.8	3172.6	3033.0	2941.2	2847.4	2807.6	2804.1
10°	3657.6	3589.0	3392.4	3173.1	2959.3	2753.1	2553.5	2405.8	2272.7	2209.7	2207.2
12.5°	3537.6	3436.3	3166.5	2868.1	2575.7	2308.5	2034.7	1840.6	1673.8	1617.8	1594.1
15°	3435.8	3293.1	2946.7	2565.1	2210.2	1839.1	1527.6	1323.4	1169.1	1115.7	1105.6
17.5°	3337.0	3153.4	2721.4	2259.1	1830.1	1422.2	1110.1	958.4	876.2	854.5	854.0
20°	3238.6	3009.8	2486.0	1946.0	1462.5	1063.8	853.5	785.5	757.7	755.2	751.2
22.5°	3127.2	2857.5	2238.4	1631.9	1141.4	836.4	725.5	698.2	694.7	703.8	703.8
25°	3022.9	2706.3	1987.3	1324.4	887.8	697.7	647.8	642.3	651.9	668.0	669.5
27.5°	2925.6	2560.6	1742.3	1051.1	711.4	614.6	593.9	600.4	617.6	636.2	636.7
30°	2845.4	2422.9	1504.4	828.3	600.9	552.5	549.0	562.1	580.8	595.4	598.9
32.5°	2783.4	2305.5	1274.5	666.0	528.9	506.2	509.2	520.3	531.9	539.9	545.5
35°	2754.7	2204.6	1062.2	561.6	483.0	470.4	474.4	480.5	485.5	491.5	496.1
37.5°	2759.7	2126.5	872.7	496.6	452.2	445.7	445.7	445.7	445.7	448.7	449.2
40°	2806.6	2081.6	718.4	455.2	431.6	424.5	418.9	413.9	409.9	411.9	410.9
42.5°	2926.6	2077.6	605.5	429.0	414.9	403.3	392.2	385.2	380.1	382.1	383.2
45°	3130.3	2128.0	529.4	410.4	399.3	381.6	367.5	360.0	356.4	363.0	364.0
47.5°	3393.9	2237.9	483.0	396.8	384.7	361.5	346.3	339.3	340.3	349.9	352.4
50°	3733.7	2416.4	460.8	388.2	374.6	344.3	328.7	322.7	325.7	339.3	342.3
52.5°	4106.8	2673.5	463.3	385.7	368.0	331.7	315.1	308.0	313.1	325.7	328.2
55°	4537.3	2982.5	505.2	389.2	358.4	323.7	304.0	291.9	295.9	307.5	309.5
57.5°	5015.8	3336.4	589.3	388.2	346.3	316.1	292.4	274.3	277.3	284.3	286.4
60°	5513.9	3764.0	719.9	391.2	340.8	307.0	276.8	254.1	253.1	259.1	260.1
62.5°	6111.8	4258.5	869.2	393.2	344.3	295.4	256.1	233.9	230.9	232.4	233.4
65°	6727.8	4616.5	813.2	385.2	355.4	285.9	238.0	214.3	208.7	207.7	208.2
67.5°	6747.0	4232.8	570.2	369.0	360.0	280.8	224.3	197.6	188.6	185.0	184.5
70°	6050.8	3438.8	444.2	351.9	341.8	272.7	211.7	184.0	170.4	164.9	164.4
71°	5711.0	3165.5	421.0	343.3	328.2	264.7	206.2	178.0	163.8	157.8	156.8
72.5°	5178.1	2837.8	392.7	329.7	302.0	244.0	195.6	169.4	154.8	147.7	146.2
75°	3716.1	1855.8	337.3	293.9	250.1	194.6	171.4	152.3	139.6	131.1	130.1
77.5°	1431.8	738.6	255.1	244.5	191.6	152.3	141.2	131.6	122.5	113.9	113.4
80°	442.6	330.2	186.0	184.0	138.6	113.4	109.9	107.4	103.9	94.8	92.8
82.5°	236.4	189.6	128.1	119.0	90.7	75.6	79.7	80.7	81.2	71.6	70.6
85°	112.9	100.3	72.1	67.6	52.9	42.3	48.9	52.9	53.4	43.9	40.8
87.5°	53.9	52.4	33.8	25.7	19.7	14.1	17.1	21.2	23.2	16.6	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)