

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: P319646

Luminaire Tested: **GAN-SA2C-730-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319646  
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-730-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 13180 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

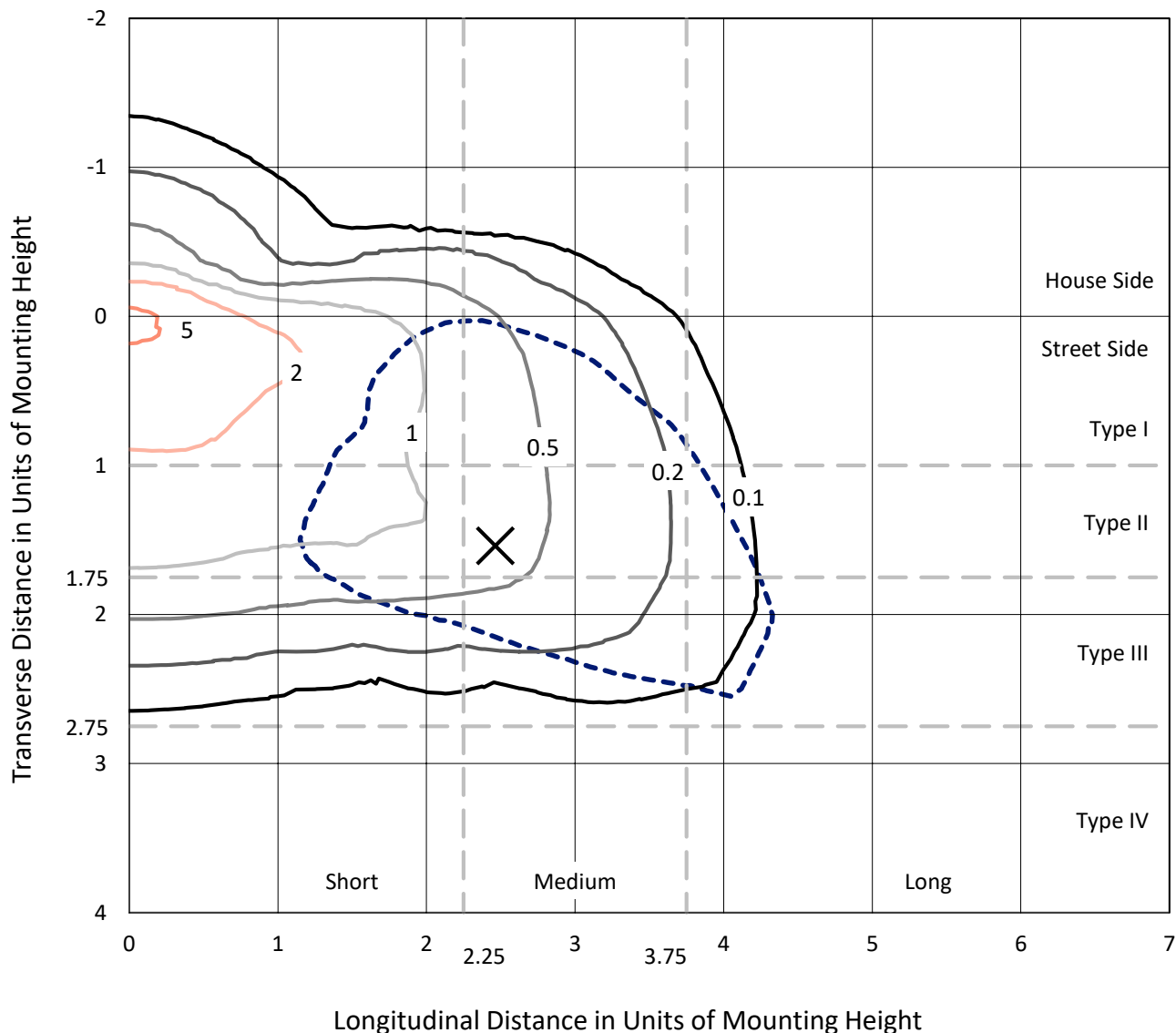
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

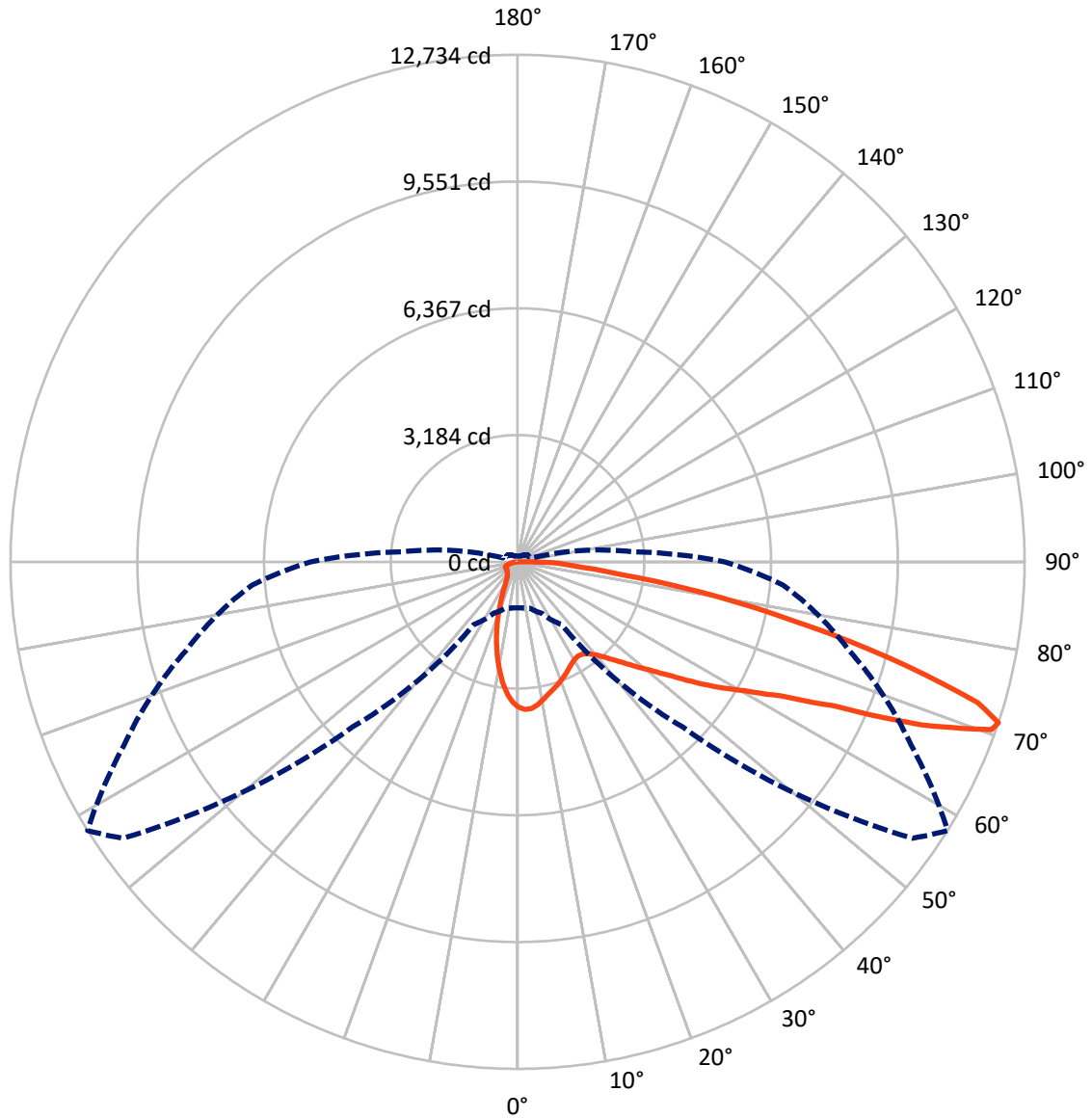
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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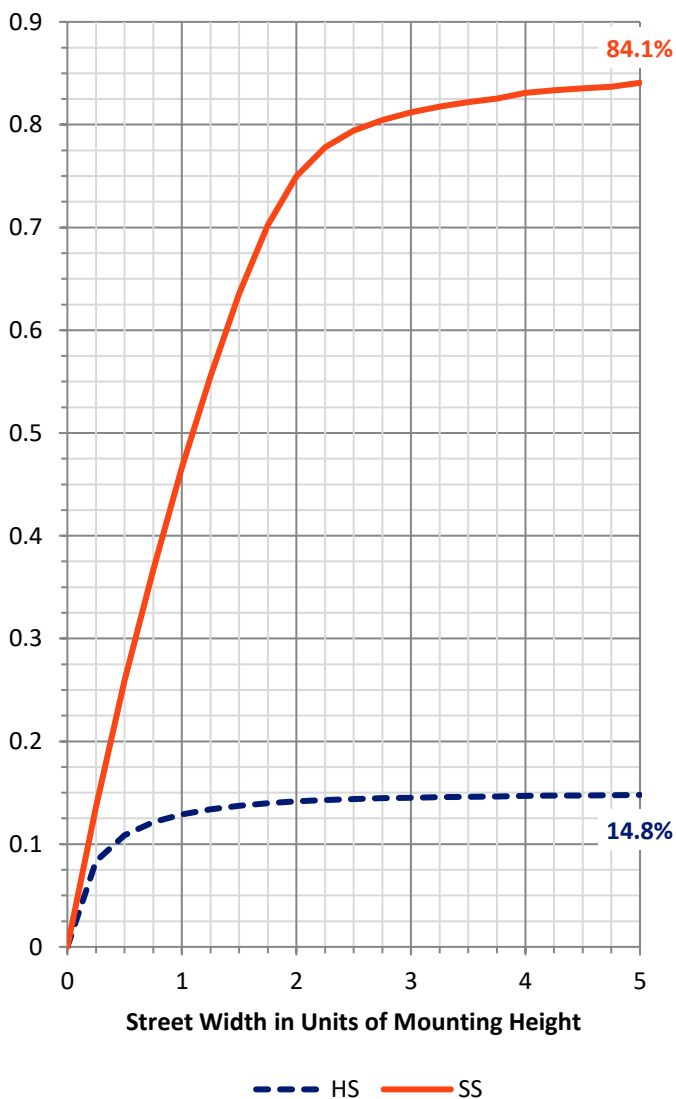
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1970.5	0.0	1970.5
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	11209.5	0.0	11209.5
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	13180.0	0.0	13180.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.0	2.4
10°-20°	700.5	5.3
20°-30°	890.3	6.8
30°-40°	1134.0	8.6
40°-50°	1608.1	12.2
50°-60°	2488.6	18.9
60°-70°	3388.0	25.7
70°-80°	2260.2	17.1
80°-90°	395.2	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°	13180.0	100.0
0°-180°	13180.0	100.0

**Coefficient of Utilization**

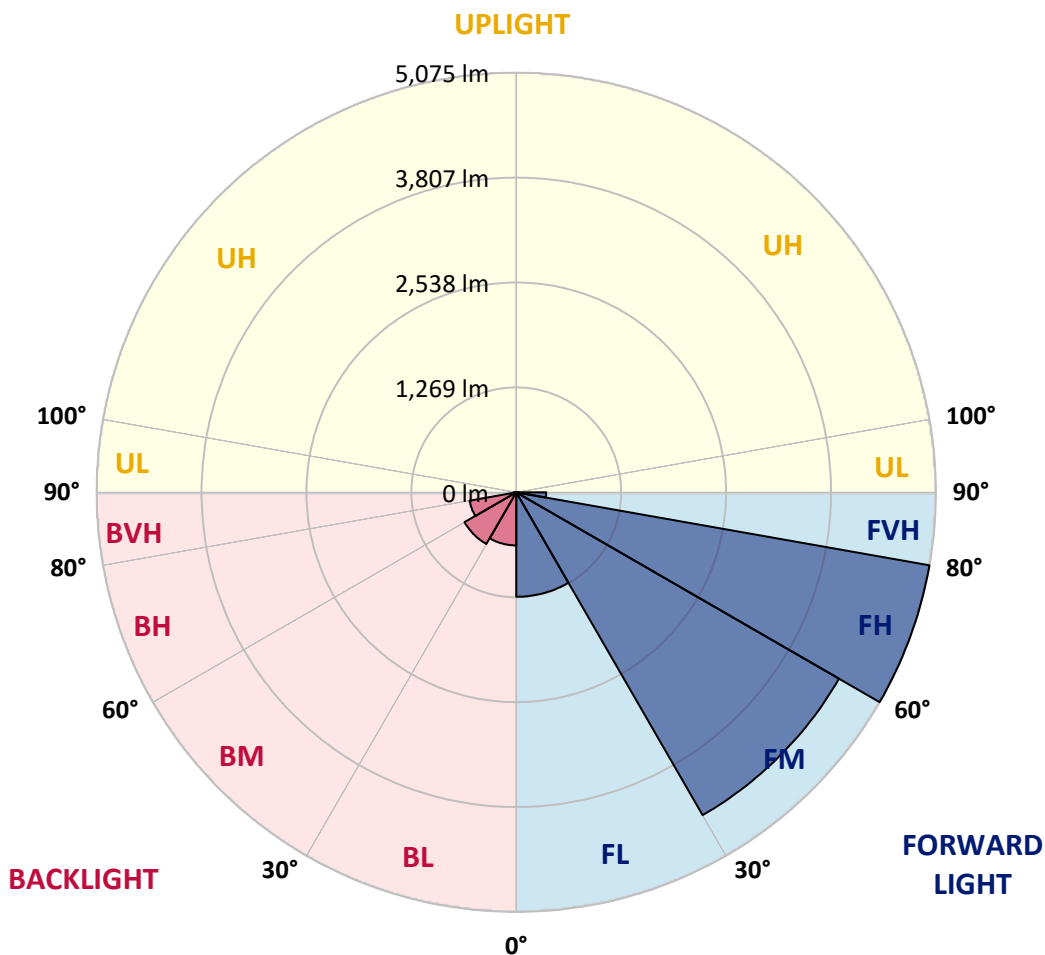


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1263.5	9.6			
FM (30°-60°)	4508.2	34.2			
FH (60°-80°)	5075.5	38.5			G3/7500
FVH (80°-90°)	362.3	2.7			G3/500
BL (0°-30°)	642.3	4.9	B2/1000		
BM (30°-60°)	722.6	5.5	B1/1000		
BH (60°-80°)	572.7	4.3	B2/1000		G2/1000
BVH (80°-90°)	32.8	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°	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7
2.5°	3748.6	3743.6	3745.4	3741.7	3733.0	3724.3	3711.4	3713.7	3695.8	3669.2	3636.1
5°	3677.9	3676.1	3689.8	3697.7	3704.1	3699.0	3695.4	3699.9	3673.8	3637.0	3579.7
7.5°	3529.6	3509.4	3526.9	3553.0	3577.8	3596.6	3621.4	3624.7	3608.1	3569.6	3494.3
10°	3318.9	3299.6	3325.3	3366.2	3415.8	3460.8	3510.8	3520.0	3523.2	3488.3	3396.9
12.5°	3100.4	3085.7	3111.4	3168.8	3250.9	3320.3	3400.2	3413.9	3442.4	3419.0	3307.0
15°	2904.8	2899.3	2930.5	2987.0	3081.5	3187.6	3302.8	3328.1	3376.3	3368.5	3236.7
17.5°	2735.8	2734.4	2758.3	2817.5	2922.2	3056.3	3205.9	3248.6	3320.3	3329.4	3178.9
20°	2610.0	2607.3	2623.8	2667.4	2775.3	2927.3	3101.3	3160.0	3263.3	3295.5	3119.2
22.5°	2542.5	2542.1	2542.5	2563.2	2651.3	2792.8	2999.3	3071.0	3207.8	3268.4	3053.1
25°	2531.1	2529.7	2519.6	2517.3	2567.3	2680.3	2898.3	2977.3	3155.0	3249.6	2990.2
27.5°	2560.9	2562.7	2549.4	2527.8	2537.9	2606.4	2810.7	2895.1	3112.7	3245.9	2946.6
30°	2622.9	2622.0	2610.5	2588.0	2568.2	2578.8	2748.2	2832.7	3084.3	3262.0	2916.7
32.5°	2691.3	2696.3	2694.0	2681.6	2652.3	2610.0	2729.4	2812.0	3076.0	3300.5	2903.9
35°	2773.5	2779.0	2795.5	2805.1	2770.7	2702.8	2769.8	2841.4	3099.9	3373.1	2924.5
37.5°	2851.5	2865.7	2912.1	2953.0	2923.6	2847.8	2877.2	2928.2	3173.8	3487.4	2980.1
40°	2941.5	2953.9	3029.7	3116.4	3111.8	3033.3	3050.3	3084.3	3304.2	3651.3	3080.6
42.5°	3030.1	3054.9	3164.6	3287.7	3323.0	3253.7	3280.8	3298.7	3487.8	3868.4	3256.0
45°	3148.1	3174.7	3327.2	3475.4	3558.1	3519.1	3562.2	3569.1	3718.8	4164.1	3510.8
47.5°	3326.7	3357.0	3534.7	3690.3	3816.6	3820.7	3891.9	3889.1	4007.1	4502.5	3831.7
50°	3604.9	3648.5	3794.1	3939.6	4092.9	4178.3	4273.4	4260.1	4352.8	4862.9	4201.3
52.5°	3969.4	3989.6	4097.5	4205.0	4395.5	4586.9	4723.3	4711.4	4744.9	5233.4	4620.9
55°	4347.3	4362.4	4407.0	4465.7	4721.9	5034.1	5322.4	5303.6	5218.7	5618.1	5035.5
57.5°	4687.0	4717.8	4748.5	4772.9	5050.6	5501.5	5935.3	5936.7	5732.9	6033.1	5463.8
60°	4739.8	4766.9	4970.3	5162.2	5613.0	6125.0	6591.4	6577.6	6265.0	6483.5	5941.3
62.5°	4189.8	4250.9	4590.6	5101.1	6154.8	7265.4	7428.4	7411.4	6901.3	7038.6	6497.3
65°	3002.6	3071.9	3481.9	4249.0	5892.2	8522.0	8938.8	8710.2	7769.0	7721.3	7148.3
67.5°	1732.2	1748.7	1926.4	2542.5	4486.4	8587.6	11243.1	10923.1	9116.5	8495.8	7466.9
70°	1280.9	1280.5	1322.7	1564.6	2427.8	7008.7	12339.0	12625.9	10535.1	8750.6	7016.5
71°	1158.3	1159.7	1207.0	1424.2	1922.7	5866.5	12106.2	12734.3	10908.9	8624.8	6690.6
72.5°	990.8	995.3	1061.0	1277.2	1617.4	4045.7	11103.5	12084.2	11086.1	8314.4	6180.5
75°	751.6	762.1	853.0	1076.6	1478.3	2051.8	8149.2	9649.5	9848.3	7336.5	4592.5
77.5°	536.2	548.2	651.0	905.4	1405.3	1546.3	5457.4	7038.6	7247.5	4701.7	2071.5
80°	338.8	353.1	430.6	720.3	1320.4	1468.2	3429.5	4731.1	3952.0	1504.5	527.1
82.5°	198.8	209.8	267.2	470.6	1078.4	1414.1	2017.8	2622.4	1538.0	454.5	239.7
85°	115.2	120.3	166.7	299.8	783.2	1334.6	1482.5	1465.9	667.5	222.2	113.4
87.5°	53.7	59.7	98.7	156.6	434.8	967.3	1171.6	1012.3	415.0	104.2	53.3
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°	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7	3651.7
2.5°	3620.1	3612.3	3579.7	3550.7	3520.4	3481.0	3437.3	3431.8	3405.2	3410.3	3401.1
5°	3548.4	3528.7	3450.2	3379.0	3295.0	3219.7	3138.0	3100.4	3046.2	3042.5	3028.7
7.5°	3446.1	3409.3	3287.7	3152.7	3017.7	2889.2	2762.0	2678.4	2593.0	2556.8	2553.6
10°	3330.8	3268.4	3089.3	2889.6	2695.0	2507.2	2325.4	2190.9	2069.7	2012.3	2010.0
12.5°	3221.6	3129.3	2883.7	2611.9	2345.6	2102.3	1853.0	1676.2	1524.2	1473.3	1451.7
15°	3128.8	2998.9	2683.5	2335.9	2012.7	1674.8	1391.1	1205.2	1064.7	1016.0	1006.8
17.5°	3038.8	2871.7	2478.3	2057.3	1666.6	1295.1	1011.0	872.8	797.9	778.2	777.7
20°	2949.3	2740.9	2263.9	1772.2	1331.9	968.7	777.3	715.3	690.0	687.7	684.1
22.5°	2847.8	2602.2	2038.4	1486.1	1039.4	761.7	660.7	635.9	632.7	640.9	640.9
25°	2752.8	2464.5	1809.8	1206.1	808.5	635.4	590.0	584.9	593.6	608.3	609.7
27.5°	2664.2	2331.8	1586.7	957.2	647.8	559.7	540.8	546.8	562.4	579.4	579.9
30°	2591.2	2206.5	1370.0	754.3	547.3	503.2	500.0	511.9	528.9	542.2	545.4
32.5°	2534.7	2099.5	1160.6	606.5	481.6	460.9	463.7	473.8	484.4	491.7	496.8
35°	2508.6	2007.7	967.3	511.4	439.8	428.3	432.0	437.5	442.1	447.6	451.8
37.5°	2513.2	1936.5	794.7	452.2	411.8	405.9	405.9	405.9	405.9	408.6	409.1
40°	2555.9	1895.7	654.2	414.6	393.0	386.6	381.5	376.9	373.3	375.1	374.2
42.5°	2665.1	1892.0	551.4	390.7	377.8	367.3	357.2	350.8	346.2	348.0	348.9
45°	2850.6	1937.9	482.1	373.7	363.6	347.5	334.7	327.8	324.6	330.6	331.5
47.5°	3090.7	2038.0	439.8	361.3	350.3	329.2	315.4	309.0	309.9	318.6	320.9
50°	3400.2	2200.5	419.6	353.5	341.1	313.6	299.3	293.8	296.6	309.0	311.7
52.5°	3739.9	2434.6	421.9	351.2	335.1	302.1	286.9	280.5	285.1	296.6	298.9
55°	4132.0	2716.1	460.0	354.4	326.4	294.7	276.8	265.8	269.5	280.1	281.9
57.5°	4567.7	3038.4	536.7	353.5	315.4	287.9	266.3	249.8	252.5	258.9	260.8
60°	5021.3	3427.7	655.6	356.3	310.4	279.6	252.1	231.4	230.5	236.0	236.9
62.5°	5565.8	3878.1	791.5	358.1	313.6	269.0	233.2	213.0	210.3	211.6	212.6
65°	6126.8	4204.0	740.5	350.8	323.7	260.3	216.7	195.1	190.1	189.2	189.6
67.5°	6144.2	3854.7	519.3	336.1	327.8	255.7	204.3	180.0	171.7	168.5	168.0
70°	5510.2	3131.6	404.5	320.5	311.3	248.4	192.8	167.6	155.2	150.1	149.7
71°	5200.8	2882.7	383.4	312.7	298.9	241.0	187.8	162.1	149.2	143.7	142.8
72.5°	4715.5	2584.3	357.6	300.3	275.0	222.2	178.1	154.3	140.9	134.5	133.1
75°	3384.1	1690.0	307.1	267.7	227.7	177.2	156.1	138.7	127.2	119.4	118.4
77.5°	1303.9	672.6	232.3	222.7	174.5	138.7	128.6	119.8	111.6	103.8	103.3
80°	403.1	300.7	169.4	167.6	126.3	103.3	100.1	97.8	94.6	86.3	84.5
82.5°	215.3	172.6	116.6	108.3	82.6	68.9	72.5	73.5	73.9	65.2	64.3
85°	102.8	91.4	65.7	61.5	48.2	38.6	44.5	48.2	48.7	39.9	37.2
87.5°	49.1	47.7	30.8	23.4	17.9	12.9	15.6	19.3	21.1	15.2	13.3
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)