

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: P319366

Luminaire Tested: **GAN-SA2C-740-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-740-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14178 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

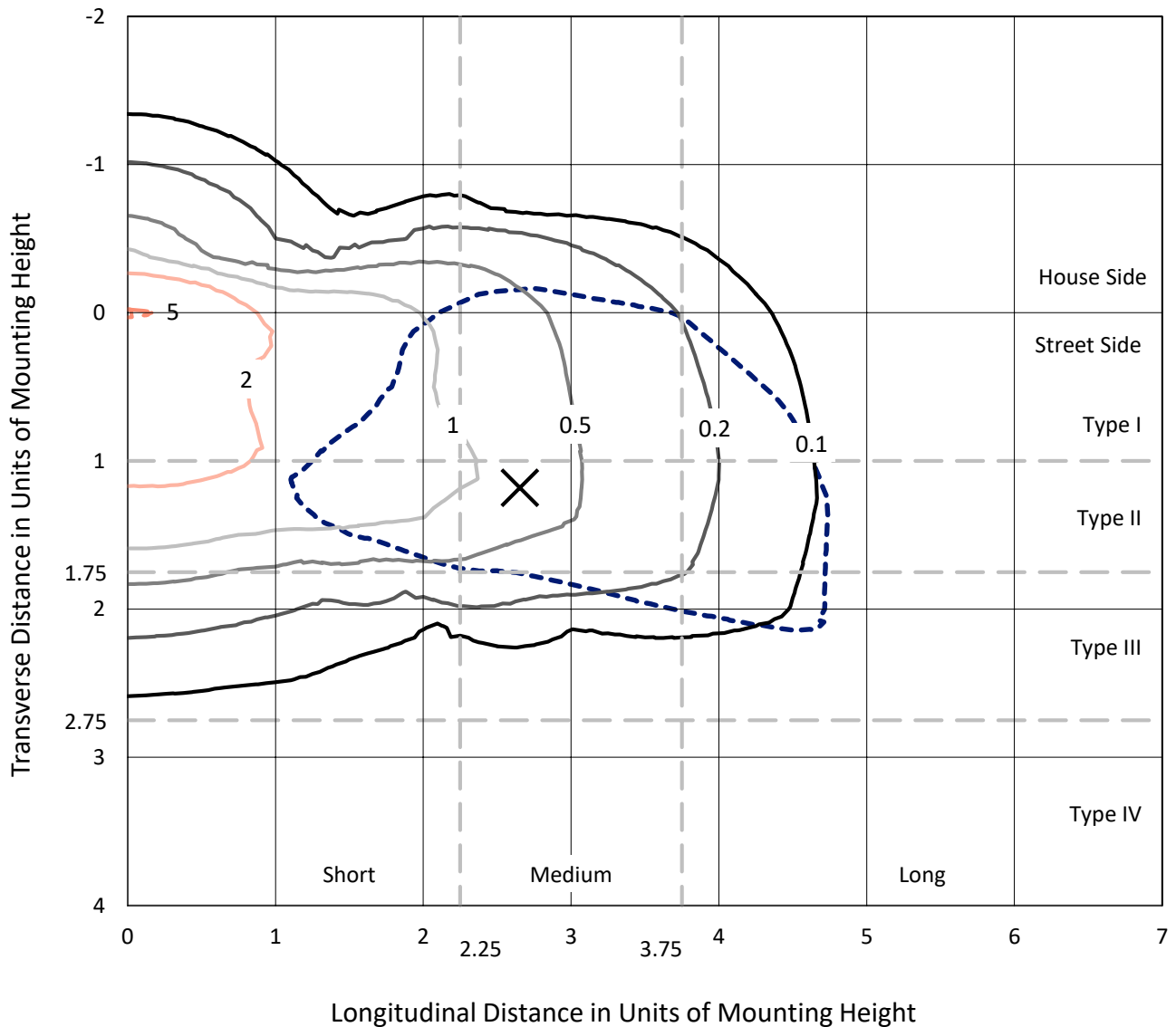
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

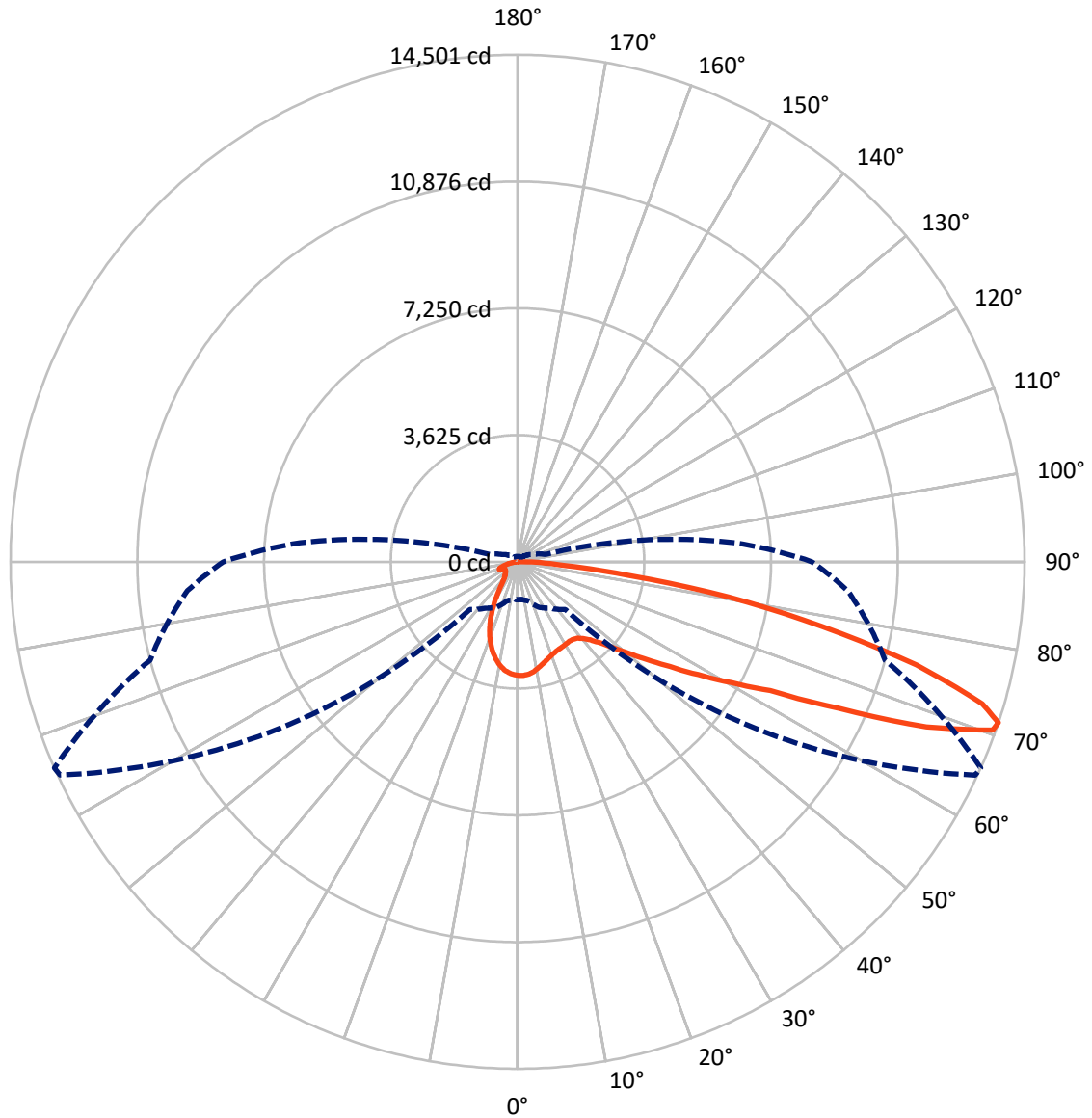
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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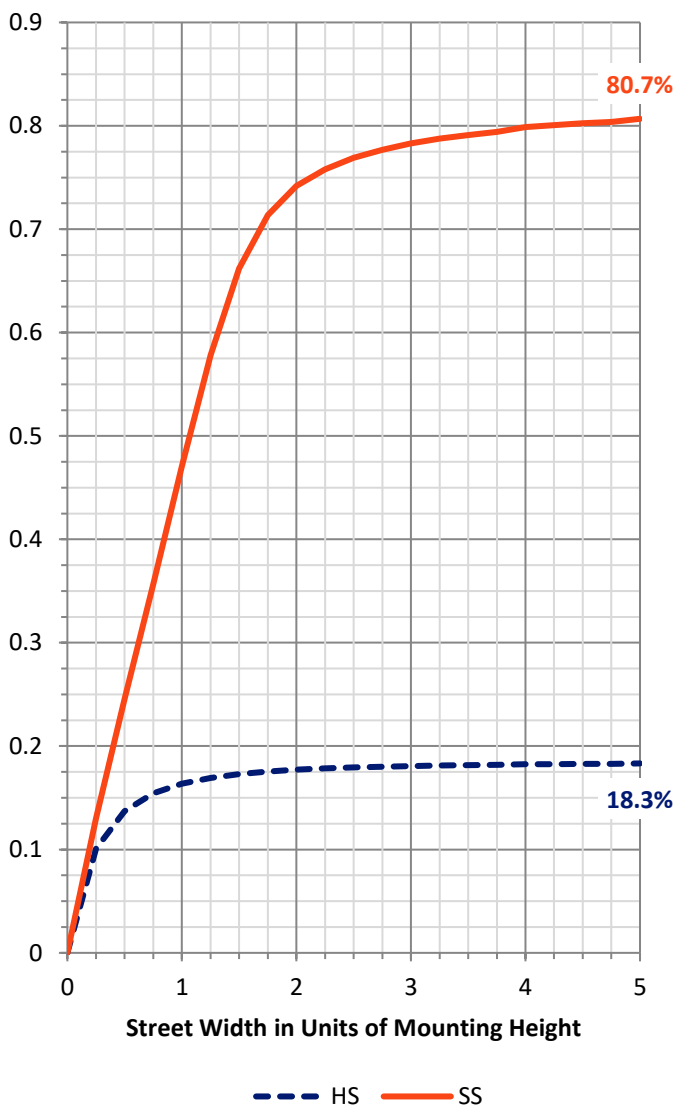
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2627.6	0.0	2627.6
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	11550.4	0.0	11550.4
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	14178.0	0.0	14178.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.9	2.0
10°-20°	685.7	4.8
20°-30°	921.1	6.5
30°-40°	1211.6	8.5
40°-50°	1762.6	12.4
50°-60°	2753.4	19.4
60°-70°	3449.1	24.3
70°-80°	2630.9	18.6
80°-90°	477.7	3.4
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°	14178.0	100.0
0°-180°	14178.0	100.0

**Coefficient of Utilization**

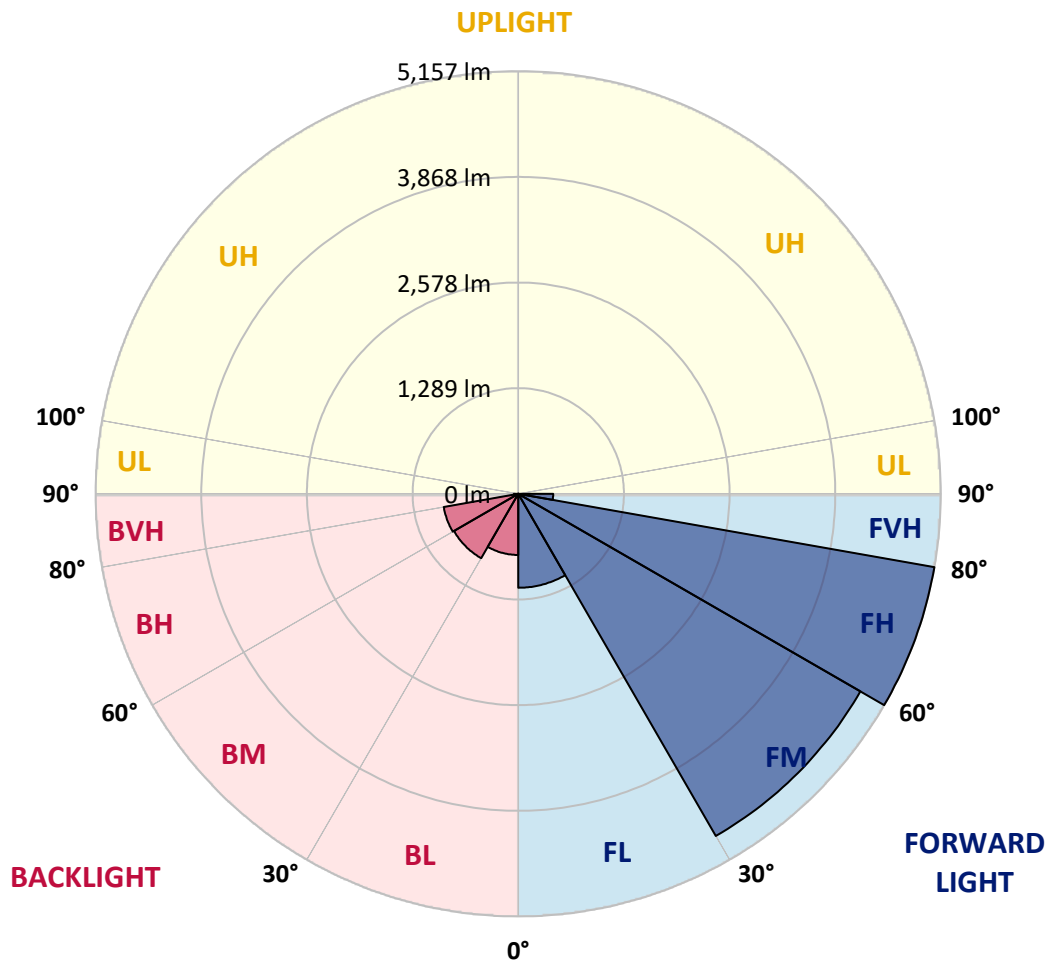


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.5	8.1			
FM (30°-60°)	4821.2	34.0			
FH (60°-80°)	5156.7	36.4			G3/7500
FVH (80°-90°)	426.0	3.0			G3/500
BL (0°-30°)	746.2	5.3	B2/1000		
BM (30°-60°)	906.4	6.4	B1/1000		
BH (60°-80°)	923.3	6.5	B2/1000		G2/1000
BVH (80°-90°)	51.7	0.4			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°	65°	66°	75°	85°
0°	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9
2.5°	3187.7	3182.8	3197.5	3212.7	3218.5	3228.3	3243.0	3251.3	3250.8	3252.3	3247.4
5°	2976.2	2969.9	2999.2	3023.2	3069.2	3121.1	3184.3	3229.3	3230.3	3255.7	3262.6
7.5°	2776.0	2771.6	2805.4	2844.1	2897.4	2976.7	3079.0	3175.9	3181.8	3250.8	3274.8
10°	2615.5	2614.5	2647.3	2689.4	2751.5	2840.1	2957.6	3099.6	3108.4	3227.3	3276.8
12.5°	2490.1	2492.1	2520.5	2568.5	2634.1	2726.6	2853.8	3013.9	3028.1	3190.1	3265.5
15°	2397.6	2405.5	2428.5	2476.9	2541.5	2635.5	2766.2	2934.6	2956.2	3148.5	3259.2
17.5°	2344.8	2353.6	2369.7	2409.9	2470.6	2561.1	2685.0	2869.5	2889.1	3116.7	3259.7
20°	2329.1	2336.4	2345.7	2370.2	2421.6	2503.8	2620.8	2810.8	2831.8	3091.3	3264.5
22.5°	2359.9	2365.3	2366.3	2364.3	2395.7	2462.7	2574.3	2767.7	2790.2	3074.6	3268.0
25°	2426.0	2433.4	2428.0	2409.9	2399.6	2440.7	2550.4	2739.3	2761.8	3062.4	3261.1
27.5°	2525.4	2526.4	2522.0	2498.5	2450.0	2443.1	2543.0	2722.7	2744.2	3048.2	3246.9
30°	2660.5	2666.9	2659.0	2627.2	2547.9	2482.3	2551.8	2706.5	2726.1	3030.1	3223.9
32.5°	2818.6	2834.3	2833.8	2800.5	2686.9	2569.9	2588.0	2696.7	2711.9	3011.0	3196.0
35°	2982.6	3004.1	3044.3	3030.1	2889.6	2708.5	2657.6	2712.4	2722.7	3008.5	3176.4
37.5°	3152.9	3174.5	3257.2	3295.4	3130.9	2906.7	2767.2	2767.7	2772.6	3038.4	3175.0
40°	3331.1	3354.1	3478.5	3577.8	3443.7	3157.8	2943.9	2883.2	2877.8	3111.8	3203.8
42.5°	3580.8	3601.3	3750.6	3877.4	3790.8	3479.4	3188.2	3061.4	3050.1	3255.7	3296.4
45°	3896.5	3914.1	4072.7	4208.3	4163.8	3846.6	3495.1	3306.6	3304.7	3495.6	3483.8
47.5°	4272.0	4285.7	4428.1	4559.3	4575.5	4269.0	3880.8	3685.0	3653.2	3824.5	3774.1
50°	4663.1	4678.3	4775.2	4916.2	5036.1	4834.4	4377.2	4148.6	4106.0	4258.7	4185.3
52.5°	4922.0	4942.1	5026.3	5205.0	5554.0	5454.1	4964.1	4710.6	4645.9	4785.0	4728.7
55°	4806.5	4851.5	4980.3	5266.6	5968.1	6400.8	5688.1	5366.0	5293.1	5408.6	5375.3
57.5°	4281.3	4342.9	4518.7	4960.7	6026.4	7235.0	6782.7	6138.0	6086.6	6053.3	6068.5
60°	3321.3	3380.6	3598.4	4174.5	5620.6	7843.9	8429.9	7089.6	7015.2	6700.4	6714.1
62.5°	2350.6	2320.8	2470.1	2891.5	4567.1	7915.4	10304.2	8362.3	8117.6	7383.8	7323.6
65°	1792.6	1785.7	1852.8	1986.9	2766.2	7060.2	11420.8	10501.5	10119.2	8187.6	8045.6
67.5°	1472.9	1460.7	1526.8	1722.1	1781.3	4554.9	11445.3	12983.3	12607.8	9188.1	8880.7
70°	1211.1	1197.3	1259.0	1511.1	1646.2	2310.0	9632.6	14436.7	14416.6	10455.0	9511.2
71°	1085.7	1075.9	1149.9	1429.9	1617.3	1925.2	8316.8	14440.6	14500.8	10883.8	9474.0
72.5°	884.1	887.5	965.8	1272.7	1595.8	1700.1	6112.5	13767.5	13894.8	11292.5	9135.7
75°	587.4	590.4	693.1	979.0	1547.3	1663.4	3359.5	11552.5	11786.4	11047.8	8336.4
77.5°	394.5	393.6	463.6	671.6	1348.1	1663.4	1969.8	8640.4	8897.4	8790.6	6426.8
80°	271.7	269.7	319.2	463.6	1020.6	1683.4	1522.9	6055.3	6133.1	4747.3	2612.0
82.5°	166.4	167.9	208.5	327.5	694.6	1515.0	1437.7	3301.8	3217.1	1331.5	652.5
85°	95.5	95.0	133.1	221.7	445.9	1278.6	1402.0	1421.1	1303.6	400.9	235.9
87.5°	34.3	36.7	71.5	122.9	255.5	890.4	1189.5	739.2	666.2	181.1	106.7
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°	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9	3247.9
2.5°	3244.0	3246.9	3243.5	3223.9	3207.3	3180.4	3165.2	3144.1	3137.8	3134.8	3142.7
5°	3256.2	3257.2	3228.3	3176.9	3119.2	3051.1	3002.2	2942.0	2913.6	2901.3	2909.2
7.5°	3267.5	3263.1	3199.9	3101.5	2994.8	2876.4	2771.1	2674.7	2618.4	2595.4	2597.3
10°	3269.0	3250.4	3149.0	2996.8	2831.3	2657.6	2496.0	2347.2	2253.2	2192.0	2210.6
12.5°	3253.8	3222.5	3074.1	2861.2	2631.6	2394.7	2176.4	1953.1	1819.0	1756.9	1758.8
15°	3242.0	3185.2	2982.1	2701.6	2393.2	2079.4	1781.3	1519.0	1376.0	1312.4	1282.5
17.5°	3232.2	3145.1	2875.4	2522.0	2111.8	1713.8	1355.5	1121.5	1043.1	1024.5	1016.7
20°	3218.5	3102.5	2756.4	2313.9	1791.1	1304.5	989.8	874.3	874.8	896.3	899.2
22.5°	3199.4	3054.1	2629.7	2080.4	1447.0	950.1	775.9	742.6	776.4	817.5	824.8
25°	3171.1	2996.8	2488.7	1822.4	1103.4	730.4	662.8	661.3	702.4	745.5	751.9
27.5°	3130.9	2921.9	2332.0	1545.4	813.1	620.7	593.8	604.1	634.4	665.7	668.2
30°	3077.1	2834.8	2159.2	1253.1	637.3	552.7	549.7	559.0	577.6	599.7	601.6
32.5°	3017.8	2746.2	1974.7	970.2	545.8	515.9	518.9	523.3	532.1	540.9	542.9
35°	2964.0	2655.6	1785.7	737.2	502.2	492.0	490.0	489.0	490.0	487.1	487.6
37.5°	2929.2	2580.7	1589.0	586.9	477.3	470.9	465.0	457.7	449.4	444.5	445.5
40°	2916.5	2524.9	1389.7	507.1	456.7	452.3	441.0	425.4	415.6	412.7	412.7
42.5°	2950.8	2496.0	1197.3	467.0	439.6	432.2	413.6	395.5	388.2	387.7	387.2
45°	3055.5	2507.8	1014.3	445.0	423.9	409.7	385.2	370.1	365.2	366.2	365.7
47.5°	3243.5	2581.7	857.6	430.3	408.3	389.7	362.2	350.0	344.1	344.1	344.6
50°	3563.2	2754.5	732.8	418.0	395.0	371.0	345.6	330.4	322.6	322.1	322.1
52.5°	4028.7	3063.8	655.0	407.8	380.4	354.4	329.0	309.9	300.6	298.6	297.6
55°	4612.2	3507.3	633.4	400.9	360.8	336.3	308.9	289.8	279.5	275.1	274.6
57.5°	5264.7	4046.8	676.0	392.6	340.7	314.8	286.9	268.7	258.0	252.6	252.1
60°	5925.0	4635.7	849.8	380.8	324.1	291.3	264.3	247.7	236.9	231.0	230.1
62.5°	6586.4	5256.4	1204.7	379.9	312.3	268.7	241.3	227.1	216.9	210.5	209.0
65°	7332.4	5935.8	1608.0	405.8	308.4	248.2	217.8	206.6	197.8	191.9	191.4
67.5°	8189.0	6702.9	1569.4	459.2	321.6	229.6	195.8	187.0	180.6	175.7	175.2
70°	8590.9	6582.9	975.6	496.9	340.2	211.5	174.8	168.4	163.5	160.1	158.6
71°	8422.5	6250.6	818.0	492.4	338.3	203.6	166.4	161.5	156.6	153.7	152.2
72.5°	7963.4	5700.4	682.4	458.2	316.2	189.4	155.7	150.8	146.4	142.9	142.0
75°	7145.9	5090.9	546.3	366.2	252.1	160.1	136.6	131.2	127.8	125.8	123.8
77.5°	5252.9	3633.2	422.4	289.3	185.5	130.7	116.5	112.6	109.2	106.2	104.8
80°	2012.4	1407.3	284.4	215.9	136.1	103.3	94.0	92.0	88.6	86.6	86.6
82.5°	541.9	420.5	151.7	130.7	91.0	75.4	72.0	71.0	68.0	64.1	64.6
85°	219.3	185.5	85.2	72.0	55.8	44.5	48.5	49.0	45.5	40.6	41.1
87.5°	96.4	78.8	47.5	31.8	24.5	17.1	22.0	22.0	20.1	16.6	15.2
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)