

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: P318374

Luminaire Tested: **GAN-SA0C-730-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0C-730-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 63771 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

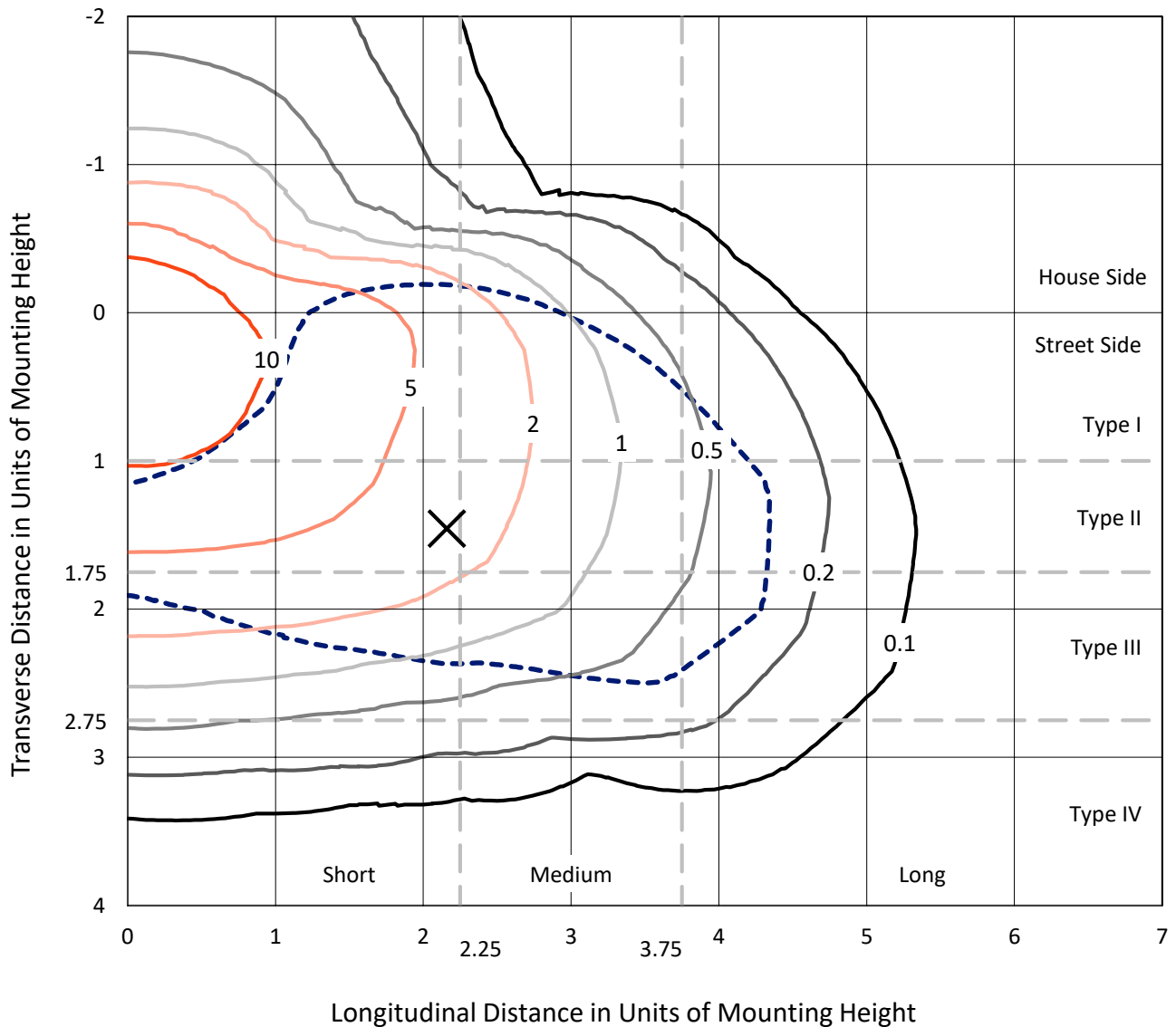
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

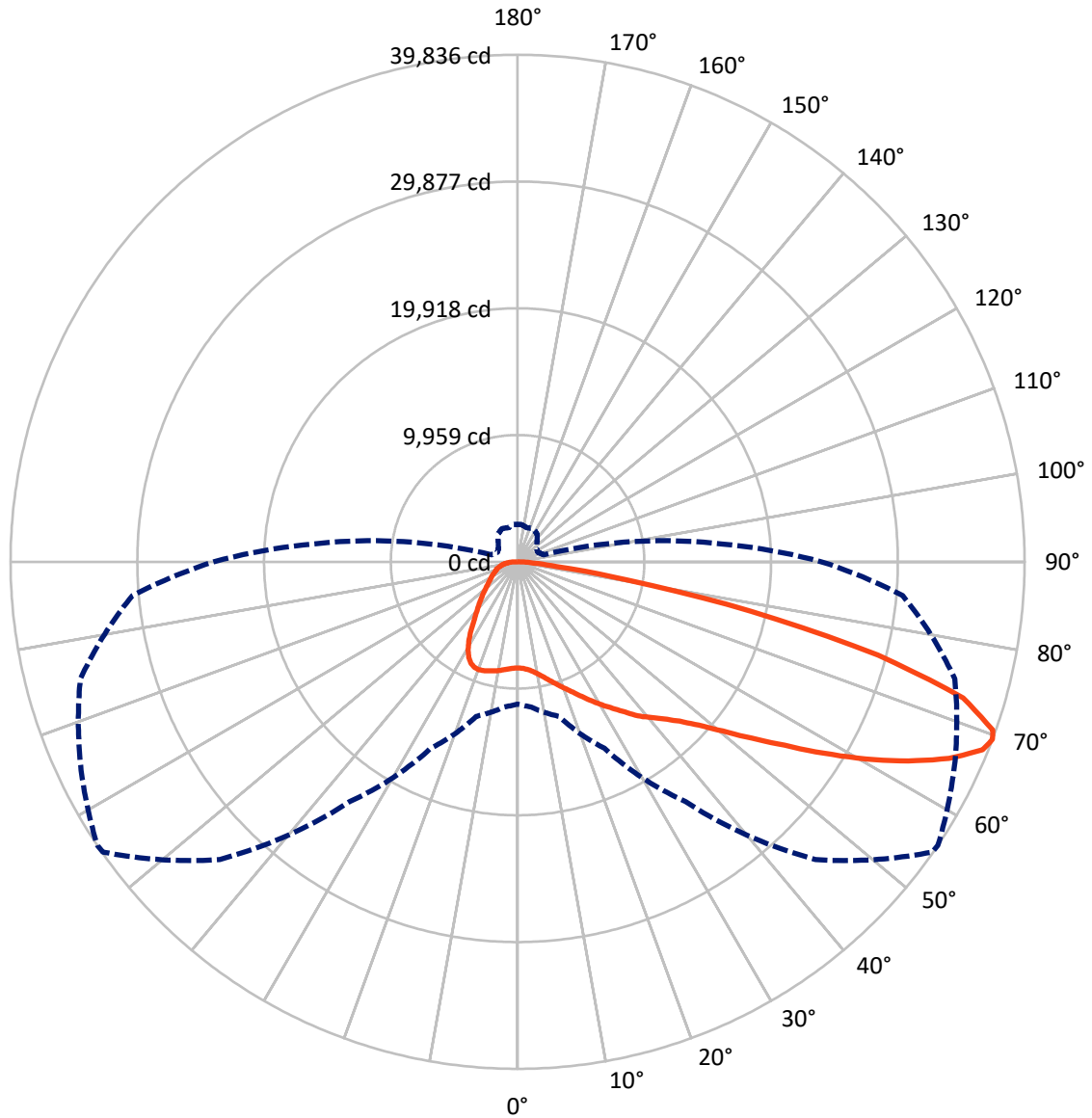
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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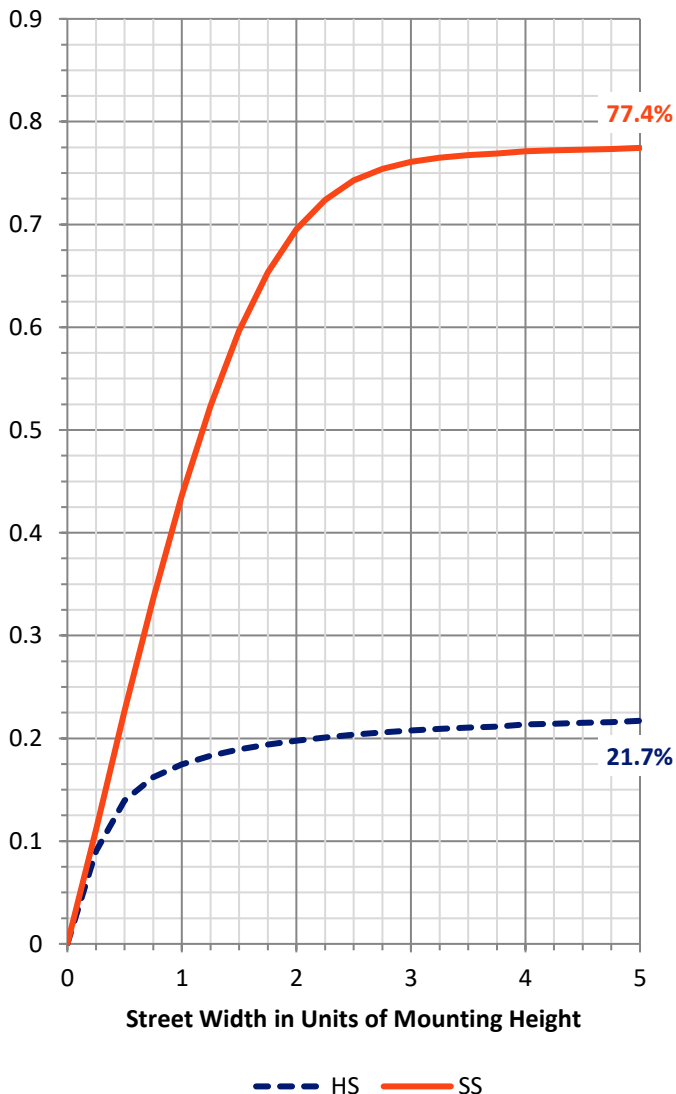
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14201.7	0.0	14201.7
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	49569.3	0.0	49569.3
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	63771.0	0.0	63771.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	818.8	1.3
10°-20°	2633.1	4.1
20°-30°	4596.3	7.2
30°-40°	6602.4	10.4
40°-50°	9137.4	14.3
50°-60°	13387.5	21.0
60°-70°	16321.9	25.6
70°-80°	9023.8	14.2
80°-90°	1249.8	2.0
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°	63771.0	100.0
0°-180°	63771.0	100.0

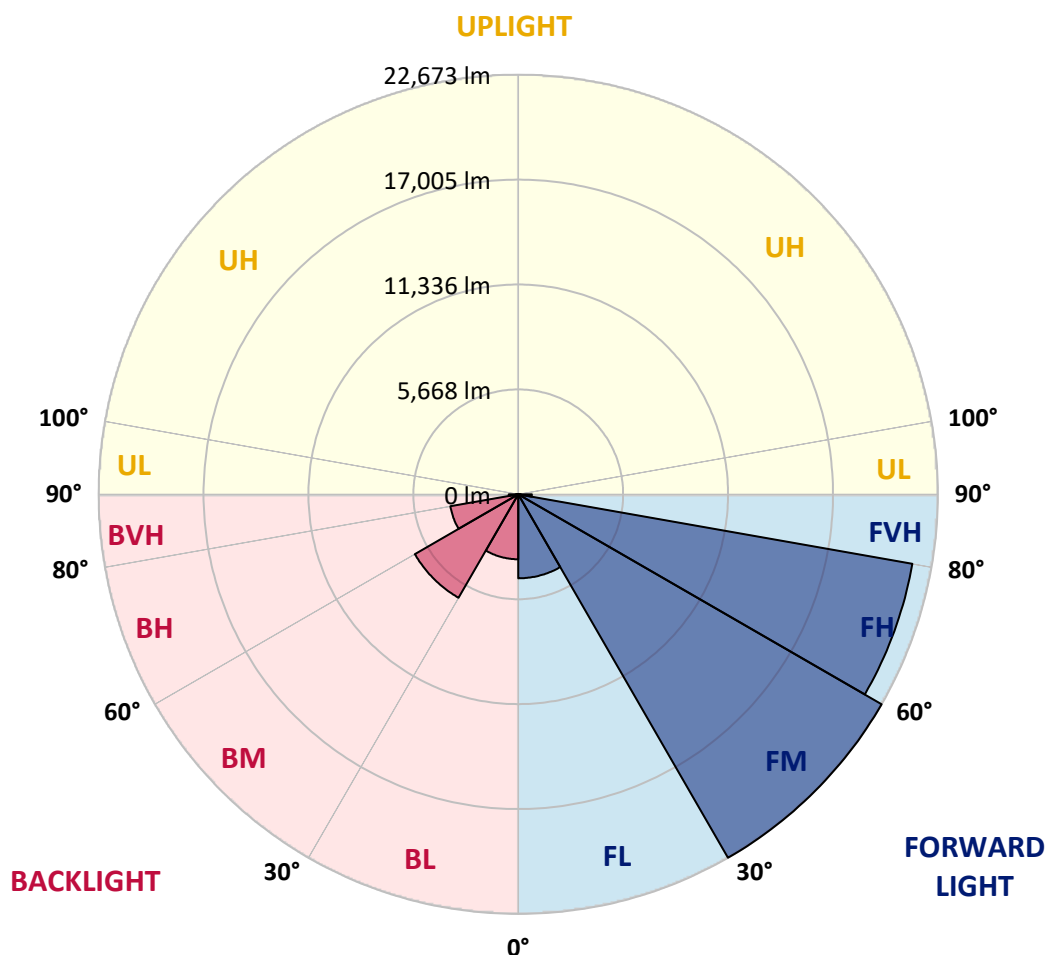


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4538.6	7.1			
FM (30°-60°)	22673.0	35.6			
FH (60°-80°)	21621.6	33.9			G5
FVH (80°-90°)	736.2	1.2			G4/750
BL (0°-30°)	3509.6	5.5	B4/5000		
BM (30°-60°)	6454.4	10.1	B4/8500		
BH (60°-80°)	3724.1	5.8	B4/5000		G4/5000
BVH (80°-90°)	513.6	0.8			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1
2.5°	8389.8	8398.6	8392.0	8409.6	8389.8	8403.0	8392.0	8392.0	8385.4	8365.7	8343.7
5°	8521.6	8539.2	8528.2	8545.8	8521.6	8526.0	8506.3	8506.3	8486.5	8444.7	8400.8
7.5°	8728.1	8747.9	8739.1	8756.7	8723.7	8723.7	8697.4	8695.2	8655.6	8587.5	8537.0
10°	8974.2	9000.6	8991.8	9018.1	8991.8	9000.6	8974.2	8974.2	8921.5	8824.8	8761.1
12.5°	9332.3	9365.2	9341.1	9338.9	9327.9	9345.5	9323.5	9319.1	9270.8	9139.0	9051.1
15°	9811.2	9846.3	9795.8	9791.4	9729.9	9723.3	9723.3	9716.7	9686.0	9527.8	9382.8
17.5°	10362.6	10373.6	10329.7	10259.4	10180.3	10129.7	10123.1	10140.7	10140.7	9956.2	9725.5
20°	10903.0	10922.8	10887.7	10808.6	10707.5	10632.8	10580.1	10615.2	10613.0	10393.4	10066.0
22.5°	11491.8	11537.9	11485.2	11384.1	11265.5	11182.0	11089.8	11120.5	11122.7	10852.5	10400.0
25°	12254.1	12212.4	12179.4	12036.6	11867.5	11781.8	11696.1	11726.9	11718.1	11346.8	10744.9
27.5°	12928.5	12937.3	12893.4	12741.8	12546.3	12357.4	12353.0	12372.7	12339.8	11860.9	11070.0
30°	13712.8	13717.2	13655.7	13519.5	13306.4	13062.6	13005.4	13038.4	12968.1	12348.6	11412.7
32.5°	14492.7	14514.7	14446.6	14281.8	14110.5	13813.9	13699.6	13721.6	13545.9	12847.3	11766.4
35°	15175.9	15206.7	15184.7	15074.9	14888.1	14633.3	14497.1	14483.9	14266.4	13458.0	12234.3
37.5°	15872.3	15900.9	15876.7	15784.5	15709.8	15439.6	15367.1	15367.1	14989.2	14081.9	12829.7
40°	16588.5	16632.5	16603.9	16476.5	16412.8	16289.7	16116.2	16074.5	15665.8	14831.0	13800.7
42.5°	17254.2	17311.3	17425.5	17350.8	17221.2	17238.8	16889.5	16867.5	16568.7	15938.2	15020.0
45°	18198.8	18282.3	18475.6	18418.5	18392.1	18295.5	17880.3	17860.5	17746.3	17427.7	16533.6
47.5°	19229.1	19343.4	19692.7	19703.7	19987.1	19804.7	19240.1	19172.0	19198.4	19211.6	18381.2
50°	20178.2	20303.4	20876.8	21147.0	21814.9	21854.4	20951.5	20890.0	20993.2	21296.4	20534.1
52.5°	20936.1	21094.3	21810.5	22645.3	23789.8	24115.0	23058.3	23012.1	23089.0	23611.9	22968.2
55°	21491.9	21663.3	22443.2	23963.4	25791.2	26364.6	25483.6	25439.7	25488.0	26153.7	25615.4
57.5°	21621.5	21663.3	22794.7	24850.9	27480.6	28858.0	28451.6	28363.7	28126.4	28706.4	28537.3
60°	21013.0	21180.0	22504.7	25162.9	28787.7	31316.3	31553.6	31443.7	30778.1	31252.6	31116.4
62.5°	19778.4	20077.1	21421.6	24688.4	29299.6	33324.2	34596.2	34464.4	33317.6	33625.2	32970.5
65°	17761.6	17889.1	19301.6	23051.7	28649.3	34609.4	37309.3	37243.4	35800.1	35319.0	33313.2
67.5°	14154.4	14393.9	15593.3	19631.2	25988.9	34457.8	39407.3	39400.8	37421.4	35947.3	32098.4
69°	11182.0	11430.3	12572.7	16171.1	22996.8	33071.6	39758.8	39835.7	37878.3	35565.0	30362.9
70°	8914.9	9202.7	9986.9	13620.6	20340.8	31243.8	39466.7	39605.1	37790.5	34934.5	28761.3
72.5°	3794.0	4026.9	4584.9	7021.2	12396.9	23330.7	36085.7	36608.5	35754.0	31973.2	23770.1
75°	1656.4	1728.9	1981.6	2862.5	5503.1	12697.9	28269.2	29235.9	30571.6	27025.8	17706.7
77.5°	1212.7	1243.4	1381.8	1680.6	2469.3	4795.8	18179.0	18741.4	22047.7	19666.3	10861.3
80°	938.1	960.0	1067.7	1234.6	1612.5	1939.8	8291.0	8774.3	12396.9	10101.2	4523.3
82.5°	746.9	762.3	837.0	909.5	1113.8	1175.3	2752.7	3053.6	4576.1	2790.0	1197.3
85°	694.2	711.8	738.1	663.5	714.0	689.8	1190.7	1245.6	1381.8	1096.2	500.9
87.5°	314.2	371.3	731.6	516.3	380.1	303.2	487.7	509.7	573.4	575.6	221.9
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1	8337.1
2.5°	8356.9	8350.3	8361.3	8334.9	8367.9	8365.7	8354.7	8359.1	8381.0	8378.8	8381.0
5°	8407.4	8403.0	8416.2	8396.4	8436.0	8449.1	8451.3	8471.1	8495.3	8501.9	8501.9
7.5°	8534.8	8534.8	8541.4	8515.0	8541.4	8539.2	8528.2	8548.0	8572.2	8574.4	8572.2
10°	8754.5	8756.7	8745.7	8677.6	8655.6	8596.3	8541.4	8543.6	8574.4	8598.5	8605.1
12.5°	9031.3	9022.5	8974.2	8849.0	8756.7	8635.9	8578.8	8576.6	8607.3	8627.1	8633.7
15°	9347.7	9323.5	9198.3	8994.0	8831.4	8712.8	8620.5	8598.5	8581.0	8559.0	8561.2
17.5°	9646.4	9591.5	9382.8	9099.4	8928.1	8769.9	8591.9	8449.1	8350.3	8293.2	8275.6
20°	9949.6	9842.0	9541.0	9198.3	8980.8	8693.0	8350.3	8060.3	7880.2	7796.7	7781.3
22.5°	10226.4	10052.8	9688.2	9301.5	8939.0	8433.8	7895.5	7473.7	7223.3	7111.2	7120.0
25°	10496.6	10255.0	9842.0	9374.0	8728.1	7976.8	7262.8	6744.4	6454.4	6329.2	6324.8
27.5°	10733.9	10459.3	10008.9	9314.7	8334.9	7326.5	6513.7	6008.4	5766.8	5659.1	5641.5
30°	11006.3	10716.3	10230.8	9088.4	7759.3	6575.2	5782.1	5426.3	5254.9	5147.3	5127.5
32.5°	11338.0	11065.6	10413.1	8677.6	7023.4	5790.9	5211.0	4962.7	4806.7	4685.9	4663.9
35°	11821.3	11526.9	10459.3	8088.9	6214.9	5171.4	4791.4	4536.5	4325.6	4169.6	4154.3
37.5°	12427.7	12104.7	10353.8	7326.5	5430.6	4769.4	4442.1	4127.9	3853.3	3633.6	3598.5
40°	13302.0	12814.3	10061.6	6447.8	4852.9	4459.6	4101.5	3743.5	3402.9	3145.9	3095.4
42.5°	14352.1	13646.9	9613.5	5573.4	4428.9	4145.5	3763.2	3319.5	2994.3	2812.0	2785.6
45°	15687.8	14512.5	8991.8	4808.9	4011.5	3831.3	3398.5	2989.9	2787.8	2653.8	2631.8
47.5°	17212.4	15483.5	8339.3	4187.2	3657.8	3537.0	3106.4	2842.7	2682.4	2576.9	2557.1
50°	19086.4	16579.7	7647.3	3677.6	3301.9	3183.3	2968.0	2761.5	2634.0	2552.8	2533.0
52.5°	21199.7	17816.6	7148.6	3275.5	3007.5	2921.8	2895.5	2717.5	2614.3	2552.8	2533.0
55°	23475.7	19075.4	6610.4	2937.2	2752.7	2776.8	2847.1	2721.9	2651.6	2576.9	2548.4
57.5°	25753.8	20375.9	6010.6	2651.6	2550.6	2669.2	2814.2	2730.7	2671.4	2598.9	2572.5
60°	27555.3	21199.7	5081.3	2412.2	2390.2	2550.6	2735.1	2664.8	2587.9	2590.1	2585.7
62.5°	28396.7	21155.8	4055.4	2199.1	2229.8	2390.2	2607.7	2561.5	2497.8	2583.5	2590.1
65°	27924.3	20101.3	3156.9	2005.7	2058.5	2223.2	2475.9	2511.0	2533.0	2697.7	2719.7
67.5°	25942.8	18049.4	2445.1	1836.6	1902.5	2109.0	2489.0	2735.1	2763.7	2937.2	2935.0
69°	23893.1	16125.0	2124.4	1748.7	1825.6	2137.5	2660.4	2877.9	2770.2	2954.8	2928.4
70°	22175.1	14602.6	1953.0	1689.4	1790.4	2188.1	2774.6	2875.7	2737.3	2895.5	2851.5
72.5°	17078.4	10505.4	1656.4	1579.5	1671.8	2093.6	2807.6	2812.0	2660.4	2691.2	2616.5
75°	11713.7	6638.9	1445.5	1430.2	1491.7	1887.1	2702.1	2686.8	2460.5	2416.6	2355.0
77.5°	6458.8	3372.2	1228.0	1287.4	1329.1	1671.8	2456.1	2434.1	2247.4	2155.1	2133.2
80°	2491.2	1476.3	1036.9	1144.6	1170.9	1447.7	2152.9	2133.2	1977.2	1858.5	1825.6
82.5°	940.3	773.3	856.8	990.8	982.0	1195.1	1823.4	1812.4	1660.8	1487.3	1434.6
85°	435.0	463.5	678.8	817.2	753.5	885.3	1458.7	1478.5	1294.0	1087.4	1087.4
87.5°	184.5	259.2	481.1	617.3	507.5	597.5	1069.9	1021.5	938.1	650.3	610.7
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)