

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: P318100

Luminaire Tested: **GAN-SA6D-740-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-740-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45541 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

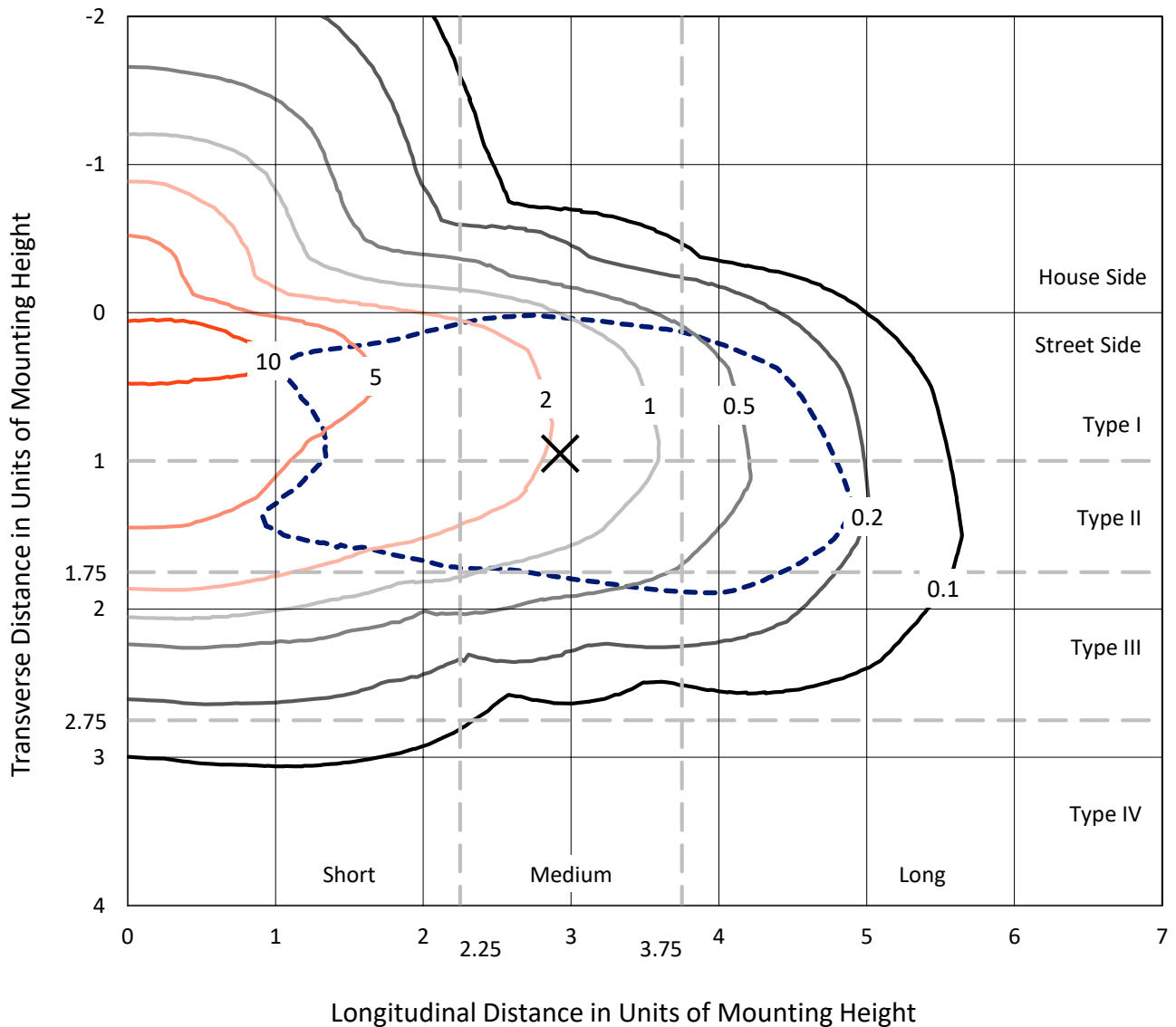
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

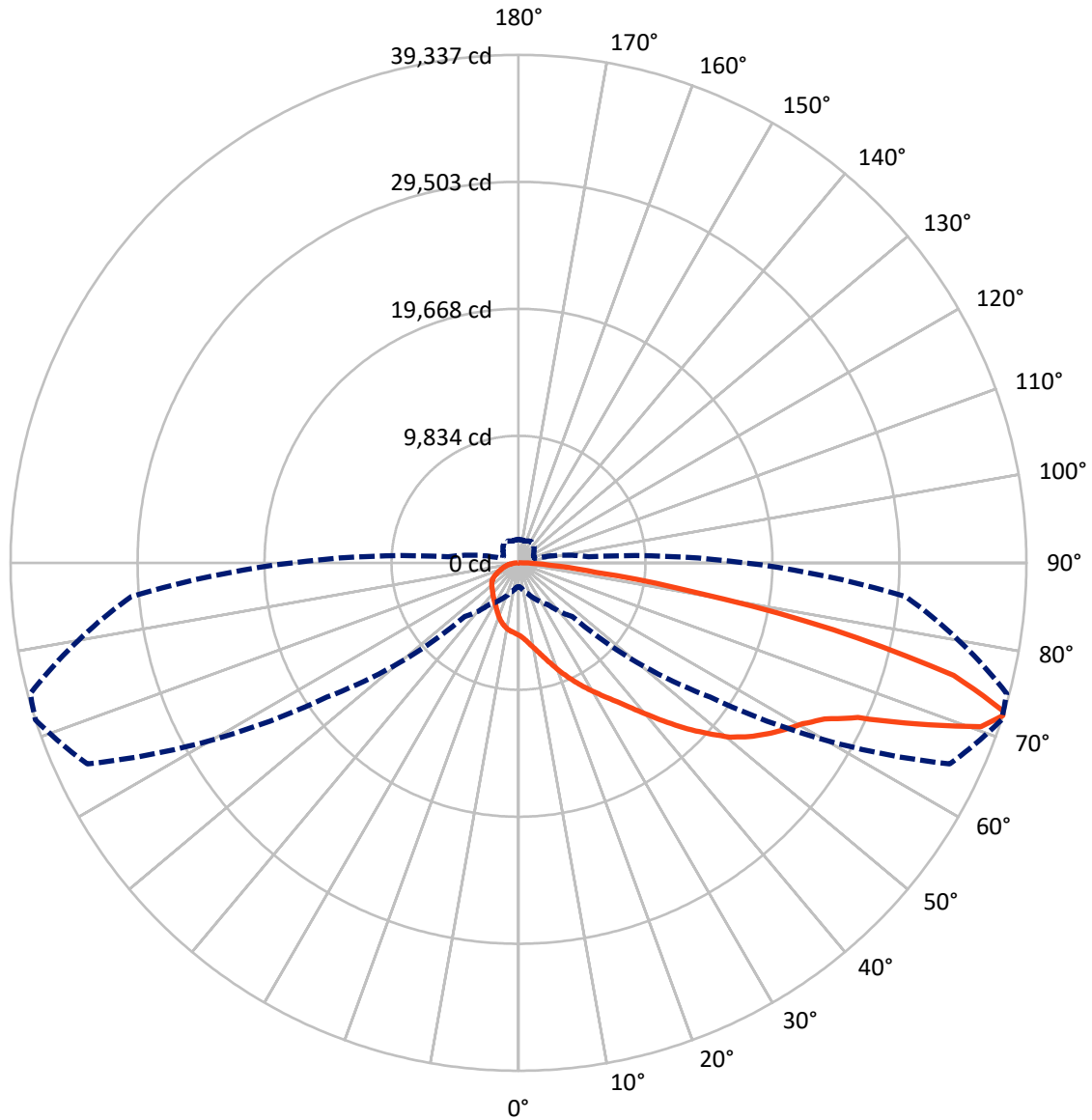
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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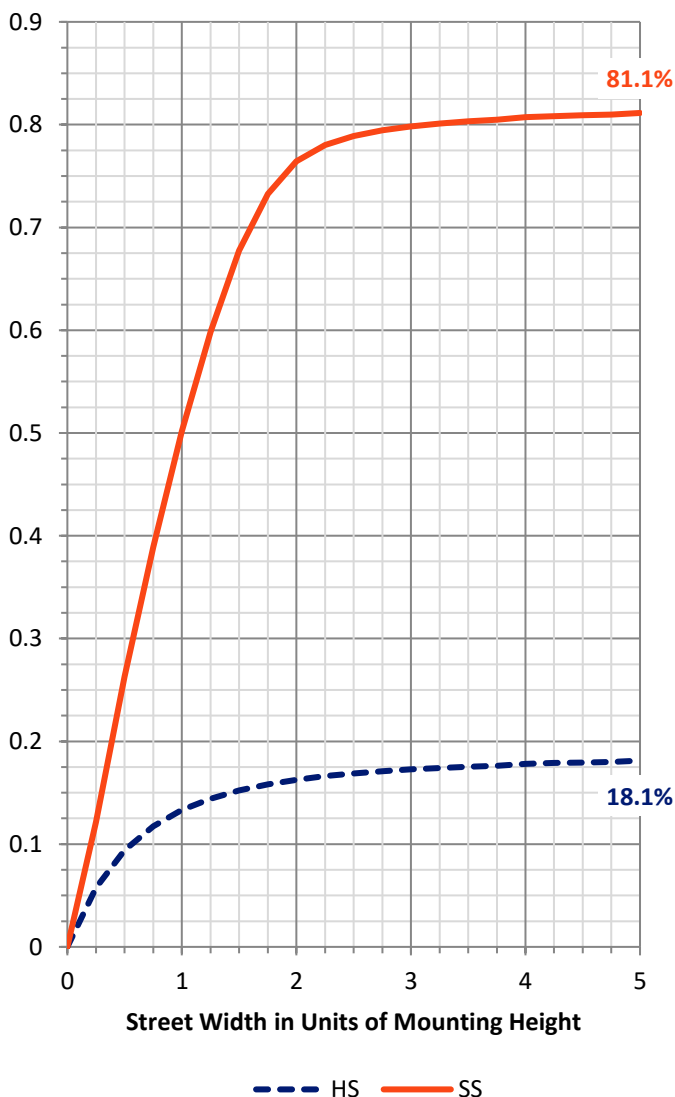
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8448.2	0.0	8448.2
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	37092.8	0.0	37092.8
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	45541.0	0.0	45541.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.4	1.2
10°-20°	1814.2	4.0
20°-30°	3179.1	7.0
30°-40°	4713.5	10.4
40°-50°	6893.9	15.1
50°-60°	9486.0	20.8
60°-70°	10560.8	23.2
70°-80°	7155.9	15.7
80°-90°	1176.1	2.6
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°	45541.0	100.0
0°-180°	45541.0	100.0

**Coefficient of Utilization**

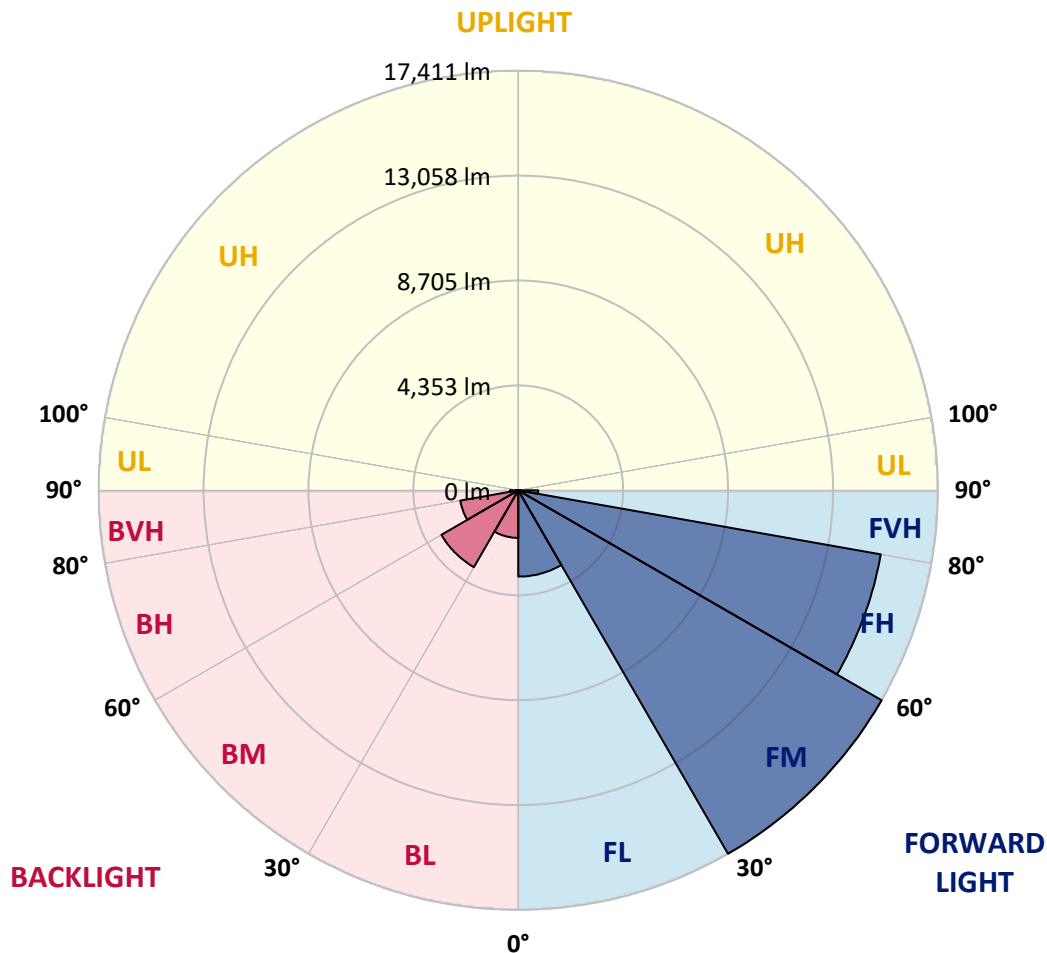


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3579.8	7.9			
FM (30°-60°)	17410.9	38.2			
FH (60°-80°)	15272.5	33.5			G5
FVH (80°-90°)	829.6	1.8			G5
BL (0°-30°)	1974.9	4.3	B3/2500		
BM (30°-60°)	3682.6	8.1	B3/5000		
BH (60°-80°)	2444.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	346.5	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7
2.5°	6189.2	6179.8	6146.9	6146.9	6084.1	6030.8	5930.5	5863.0	5783.1	5754.8	5660.7
5°	6788.2	6791.3	6750.6	6722.3	6629.8	6516.9	6346.0	6190.8	6035.5	5972.8	5779.9
7.5°	7291.5	7285.3	7274.3	7250.8	7164.5	7048.5	6818.0	6587.5	6358.5	6264.5	5932.0
10°	7614.6	7628.7	7638.1	7649.1	7613.0	7529.9	7311.9	7031.2	6731.7	6603.2	6113.9
12.5°	7777.7	7802.7	7846.6	7921.9	7981.5	7972.1	7813.7	7515.8	7159.8	6998.3	6341.3
15°	7873.3	7906.2	7975.2	8110.1	8277.9	8373.5	8331.2	8061.5	7664.7	7465.6	6618.8
17.5°	7932.9	7959.5	8066.2	8246.5	8495.8	8749.9	8861.2	8635.4	8235.5	8008.2	6937.2
20°	7973.7	7994.0	8127.3	8339.0	8662.0	9066.6	9377.1	9320.6	8864.3	8569.5	7269.6
22.5°	8064.6	8081.9	8208.9	8422.1	8779.7	9301.8	9874.2	9958.8	9527.6	9193.6	7625.5
25°	8318.6	8318.6	8425.3	8574.2	8909.8	9505.7	10294.4	10669.2	10205.0	9816.1	7954.8
27.5°	8803.2	8798.5	8837.7	8889.4	9143.4	9712.7	10669.2	11296.4	10907.5	10482.6	8274.7
30°	9377.1	9408.4	9413.2	9388.1	9507.2	9971.4	11015.7	11958.1	11614.7	11156.9	8602.5
32.5°	10115.7	10136.0	10112.5	10029.4	10012.2	10338.3	11356.0	12651.2	12380.0	11860.9	8902.0
35°	11053.4	11014.2	10940.5	10771.1	10609.6	10829.1	11744.9	13344.3	13239.3	12712.4	9314.4
37.5°	12058.5	12060.1	11969.1	11584.9	11362.3	11456.4	12281.2	14129.9	14278.9	13725.4	9842.8
40°	12864.5	12906.8	12963.3	12458.4	12169.8	12300.0	12963.3	15041.0	15508.3	14926.5	10531.2
42.5°	13427.4	13476.0	13636.0	13319.2	13019.7	13261.2	13766.1	16013.2	16888.2	16312.7	11337.2
45°	14023.3	14049.9	14162.9	14026.4	13835.1	14379.2	14670.9	17019.9	18348.0	17789.8	12238.8
47.5°	14650.5	14678.7	14794.8	14703.8	14603.5	15423.6	15614.9	17968.6	19746.8	19412.8	13201.6
50°	15425.2	15444.0	15553.7	15389.1	15420.4	16210.8	16458.5	18838.9	21212.9	20871.1	14167.6
52.5°	16482.0	16486.7	16638.8	16489.9	16342.5	16787.8	17184.5	19659.0	22362.3	22200.8	15133.5
55°	17310.0	17360.2	17858.8	17827.4	17742.8	17311.5	17791.4	20439.9	23387.8	23464.7	16159.0
57.5°	16781.5	16977.5	17987.4	18699.3	19392.4	18614.6	18611.5	21319.5	24341.2	24705.0	17286.5
60°	14697.6	14964.1	16452.2	18031.3	20199.9	20882.1	20314.4	22393.7	25304.0	25934.4	18699.3
62.5°	10496.7	10935.8	12952.3	15473.8	19092.9	22384.3	23779.9	24098.2	26613.4	27358.2	20535.5
65°	5306.4	5638.8	7329.2	10366.5	15254.2	21402.7	27546.4	27830.2	28888.6	29550.4	23362.7
67.5°	3224.0	3349.4	4174.2	5765.8	9352.0	16671.8	28775.7	34050.7	33291.8	33643.0	27394.3
70°	2375.6	2468.1	2982.5	3829.2	5378.5	9783.2	25003.0	38490.0	37991.3	37952.1	30373.6
72°	1850.3	1917.8	2372.5	3093.8	3932.7	5869.3	18122.2	36851.3	39336.7	39139.1	30100.8
72.5°	1754.7	1814.3	2228.2	2911.9	3716.3	5320.5	16293.9	35745.8	39239.5	39150.1	29747.9
75°	1381.5	1423.8	1649.6	2251.8	2908.8	3018.5	8928.6	27701.6	34809.7	36257.0	26756.1
77.5°	1143.1	1149.4	1268.6	1638.6	2267.4	2134.1	4385.9	19219.9	24926.1	26517.7	18953.3
80°	931.4	939.3	995.7	1149.4	1715.5	1579.1	2082.4	11051.8	13955.9	13973.1	9013.3
82.5°	741.7	743.3	806.0	840.5	1232.5	1129.0	1193.3	5188.8	6098.2	5866.2	3239.6
85°	522.2	511.2	787.2	690.0	806.0	724.5	658.6	2054.2	2521.5	2411.7	1014.5
87.5°	174.1	180.3	349.7	446.9	470.4	410.8	293.2	787.2	951.8	944.0	321.5
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°	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7	5602.7
2.5°	5631.0	5580.8	5507.1	5425.5	5361.2	5295.4	5246.8	5221.7	5193.5	5169.9	5198.2
5°	5690.5	5596.5	5439.7	5286.0	5173.1	5072.7	5000.6	4963.0	4928.5	4904.9	4908.1
7.5°	5787.8	5635.7	5372.2	5148.0	4991.2	4883.0	4809.3	4784.2	4762.2	4756.0	4763.8
10°	5891.3	5667.0	5282.8	4984.9	4806.1	4716.8	4683.8	4701.1	4716.8	4730.9	4746.6
12.5°	6008.9	5695.2	5152.7	4793.6	4641.5	4607.0	4639.9	4715.2	4770.1	4803.0	4823.4
15°	6162.5	5720.3	5002.2	4602.3	4500.4	4539.6	4650.9	4781.1	4876.7	4937.9	4947.3
17.5°	6303.7	5718.8	4809.3	4409.4	4385.9	4500.4	4668.2	4851.6	4980.2	5066.4	5083.7
20°	6449.5	5676.4	4585.1	4221.3	4269.9	4458.0	4676.0	4897.1	5052.3	5152.7	5176.2
22.5°	6585.9	5602.7	4338.9	4050.3	4172.6	4401.6	4646.2	4870.4	5025.7	5107.2	5132.3
25°	6678.4	5474.1	4089.5	3906.1	4086.4	4332.6	4549.0	4729.3	4845.4	4886.1	4892.4
27.5°	6725.5	5306.4	3854.3	3780.6	3997.0	4219.7	4368.7	4458.0	4491.0	4487.8	4481.6
30°	6731.7	5085.3	3652.0	3678.7	3893.5	4053.5	4124.0	4106.8	4064.4	3992.3	3998.6
32.5°	6711.4	4835.9	3482.7	3581.5	3761.8	3851.2	3854.3	3771.2	3658.3	3543.8	3512.5
35°	6717.6	4591.3	3333.7	3471.7	3601.9	3641.1	3605.0	3482.7	3329.0	3181.6	3150.3
37.5°	6786.6	4378.1	3205.1	3344.7	3424.7	3434.1	3382.3	3253.8	3140.9	2996.6	2984.0
40°	6951.3	4226.0	3082.8	3202.0	3247.5	3252.2	3178.5	3087.5	3096.9	3020.1	3018.5
42.5°	7247.6	4160.1	2974.6	3053.0	3081.3	3090.7	3034.2	2976.2	3057.7	3007.6	2990.3
45°	7630.3	4175.8	2883.7	2907.2	2959.0	3002.9	2968.4	2897.8	2929.2	2711.2	2639.1
47.5°	8072.4	4276.1	2811.6	2781.8	2871.1	2954.3	2900.9	2794.3	2683.0	2466.6	2425.8
50°	8589.9	4431.4	2745.7	2657.9	2775.5	2888.4	2835.1	2683.0	2515.2	2410.1	2396.0
52.5°	9129.3	4621.1	2679.8	2521.5	2654.8	2838.2	2811.6	2657.9	2450.9	2347.4	2328.6
55°	9740.9	4812.4	2596.7	2363.1	2524.6	2814.7	2800.6	2566.9	2402.3	2344.3	2330.2
57.5°	10501.4	5030.4	2487.0	2198.4	2402.3	2730.0	2686.1	2512.1	2352.1	2308.2	2303.5
60°	11492.4	5351.8	2328.6	2022.8	2253.3	2599.9	2590.5	2432.1	2272.1	2240.8	2234.5
62.5°	12979.0	5883.4	2110.6	1847.2	2087.1	2378.8	2465.0	2323.9	2187.5	2185.9	2189.0
65°	15284.0	6683.1	1873.8	1693.5	1919.3	2192.2	2319.2	2212.6	2101.2	2132.6	2137.3
67.5°	17956.0	7346.4	1641.8	1543.0	1748.4	2015.0	2187.5	2101.2	1986.8	2068.3	2069.9
70°	18845.1	6753.7	1437.9	1394.0	1571.2	1844.1	2044.8	1978.9	1862.9	1944.4	1936.6
72°	17537.3	5452.2	1306.2	1281.1	1437.9	1702.9	1917.8	1864.4	1750.0	1804.9	1784.5
72.5°	17124.9	5198.2	1273.3	1252.9	1401.9	1666.9	1884.8	1836.2	1721.7	1768.8	1750.0
75°	15276.2	4514.5	1094.5	1099.2	1223.1	1491.2	1699.8	1684.1	1566.5	1571.2	1564.9
77.5°	11080.0	3310.2	922.0	953.4	1041.2	1310.9	1513.2	1503.8	1375.2	1351.7	1347.0
80°	5141.7	1688.8	751.1	765.2	856.2	1096.1	1290.5	1278.0	1174.5	1144.7	1127.4
82.5°	1760.9	802.9	564.5	573.9	663.3	882.8	1119.6	1111.8	1025.5	967.5	931.4
85°	628.8	399.9	395.2	385.7	473.6	694.7	975.3	933.0	806.0	686.8	683.7
87.5°	203.8	170.9	203.8	202.3	276.0	470.4	708.8	603.7	584.9	486.1	476.7
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)