

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: P317390

Luminaire Tested: **GAN-SA6A-730-U-T2R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-730-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26445 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

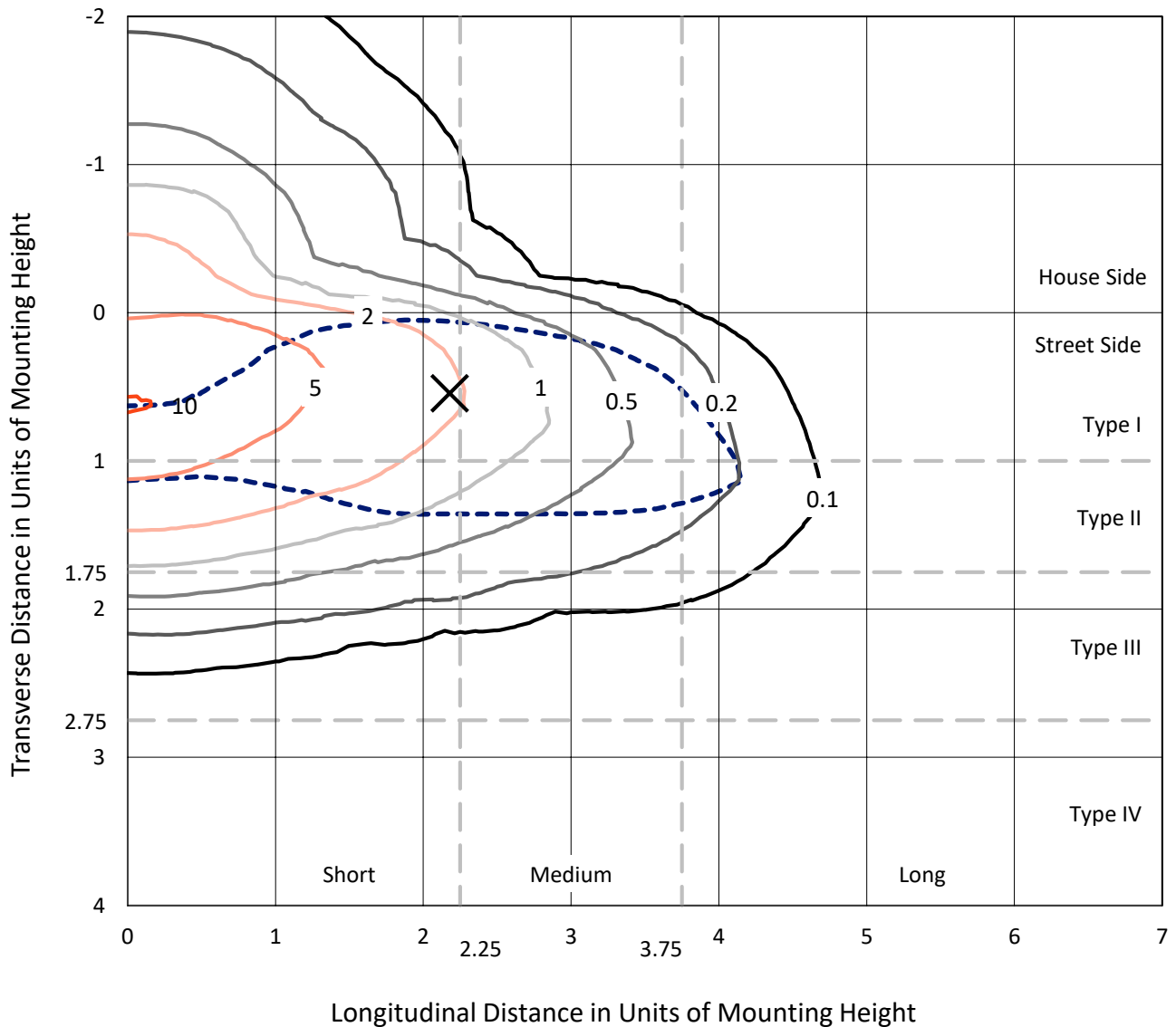
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P317390  
 CATALOG NUMBER: GAN-SA6A-730-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

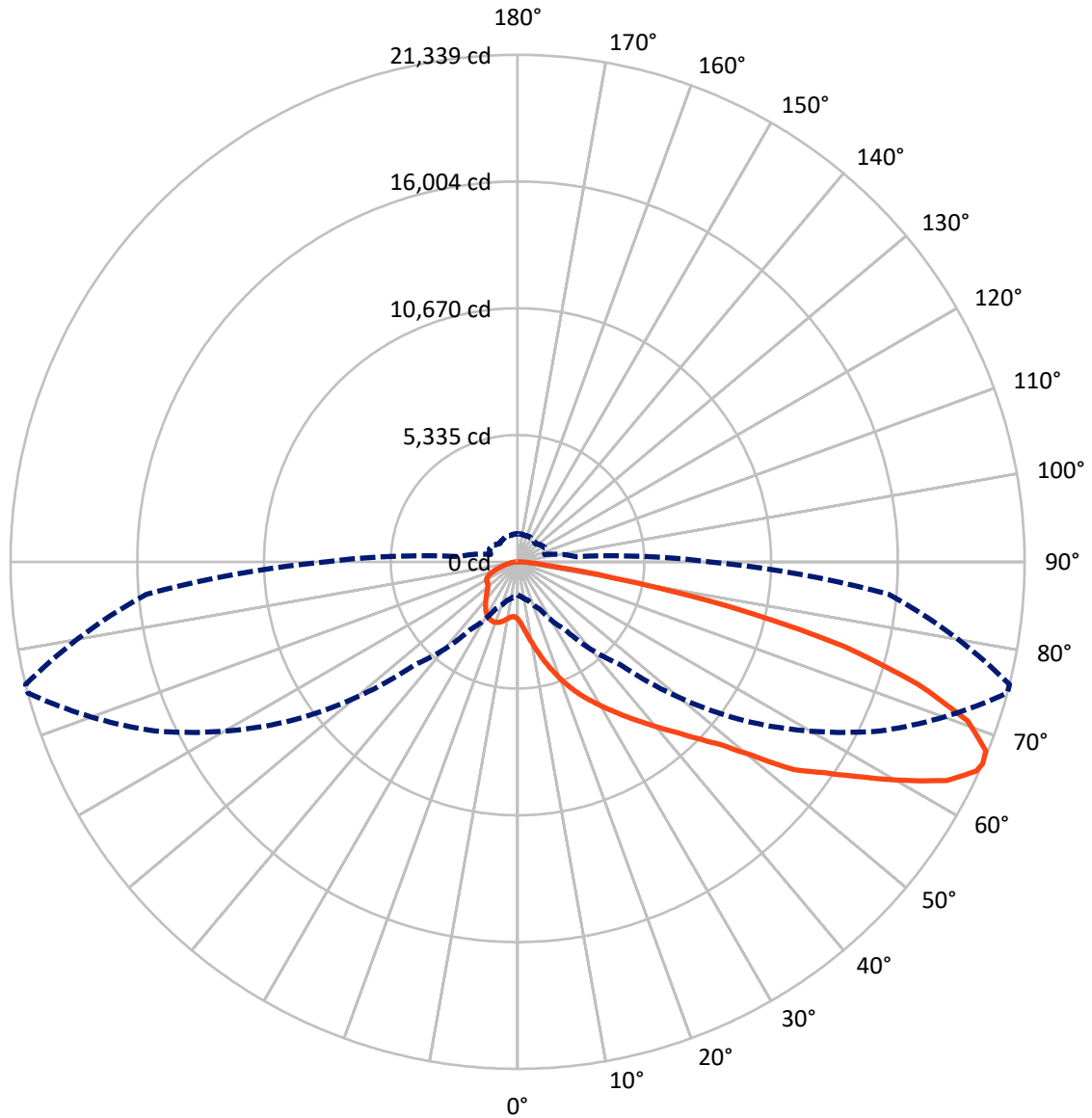
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P317390  
CATALOG NUMBER: GAN-SA6A-730-U-T2R

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P317390  
 CATALOG NUMBER: GAN-SA6A-730-U-T2R

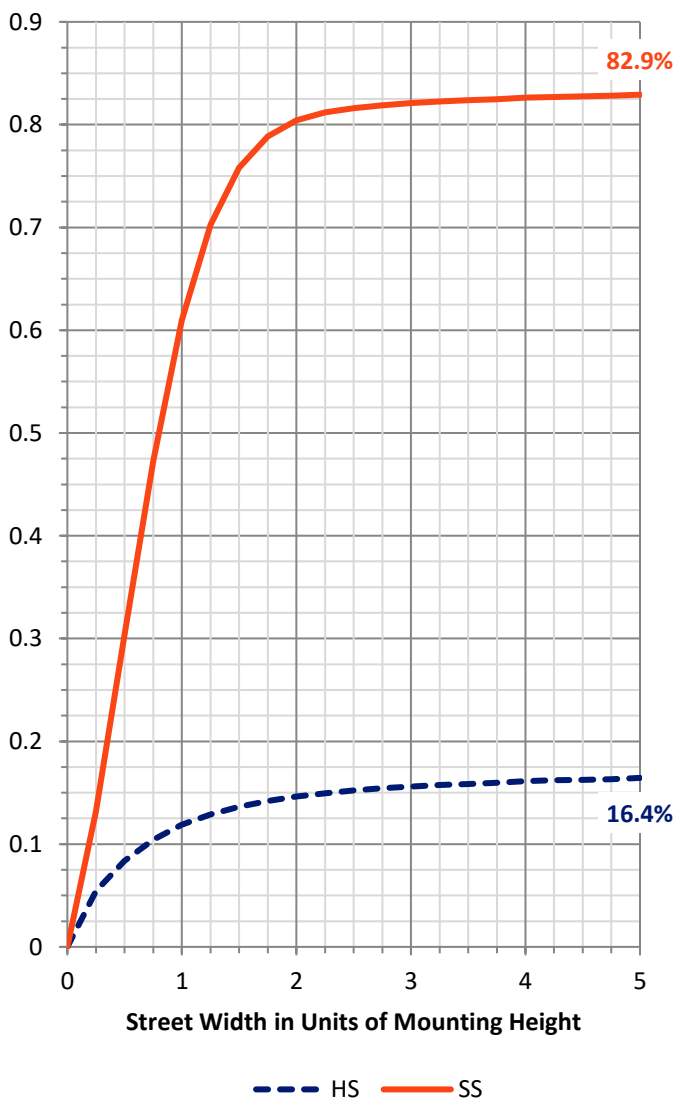
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4449.8	0.0	4449.8
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	21995.2	0.0	21995.2
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	26445.0	0.0	26445.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.0	1.1
10°-20°	1153.3	4.4
20°-30°	2241.1	8.5
30°-40°	3657.9	13.8
40°-50°	4997.6	18.9
50°-60°	5821.2	22.0
60°-70°	5218.8	19.7
70°-80°	2637.3	10.0
80°-90°	425.9	1.6
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°	26445.0	100.0
0°-180°	26445.0	100.0

**Coefficient of Utilization**

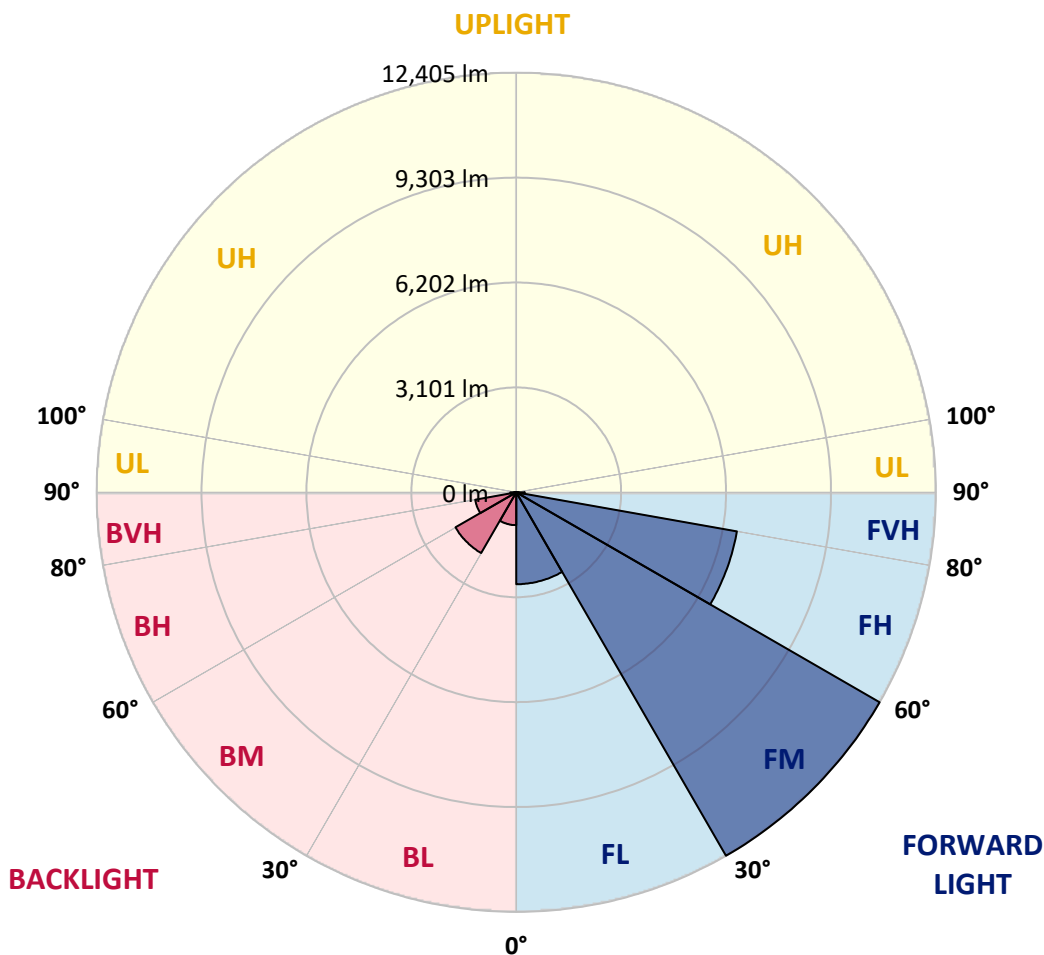


REPORT NUMBER: P317390  
 CATALOG NUMBER: GAN-SA6A-730-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2715.8	10.3			
FM (30°-60°)	12404.5	46.9			
FH (60°-80°)	6623.3	25.0			G3/7500
FVH (80°-90°)	251.5	1.0			G3/500
BL (0°-30°)	970.5	3.7	B2/1000		
BM (30°-60°)	2072.1	7.8	B2/2500		
BH (60°-80°)	1232.8	4.7	B3/2500		G3/2500
BVH (80°-90°)	174.4	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





REPORT NUMBER: P317390

CATALOG NUMBER: GAN-SA6A-730-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0
2.5°	3206.0	3157.5	3153.0	3082.1	3065.9	2930.3	2830.7	2726.6	2608.0	2584.7	2491.3
5°	4118.1	4113.6	4051.7	3935.9	3845.2	3613.6	3384.6	3142.2	2876.5	2833.4	2623.3
7.5°	4938.7	4931.5	4883.9	4759.1	4628.0	4343.5	4016.7	3645.0	3214.0	3150.3	2802.0
10°	5561.7	5559.0	5542.9	5451.3	5340.0	5067.1	4706.2	4198.9	3606.4	3519.3	3025.5
12.5°	6042.9	6048.3	6059.1	6026.8	5973.8	5741.3	5371.4	4786.1	4024.7	3938.6	3274.2
15°	6368.8	6385.0	6440.7	6486.5	6514.3	6371.5	6013.3	5386.7	4493.4	4390.1	3549.8
17.5°	6533.1	6551.1	6647.2	6785.4	6912.9	6898.5	6613.9	5959.5	4943.2	4843.5	3846.1
20°	6675.0	6688.5	6796.2	6962.3	7187.6	7287.3	7127.5	6510.7	5436.1	5317.5	4160.3
22.5°	7086.2	7103.2	7135.5	7229.8	7429.1	7612.3	7535.1	7032.3	5887.6	5777.2	4458.4
25°	7879.8	7900.5	7830.4	7750.5	7788.2	7915.7	7930.1	7508.1	6345.5	6220.7	4778.9
27.5°	8835.9	8865.6	8746.2	8540.6	8361.0	8311.6	8294.6	7897.8	6782.7	6638.2	5095.8
30°	9772.3	9823.5	9668.2	9401.5	9072.1	8840.4	8669.0	8279.3	7213.7	7075.4	5394.8
32.5°	10687.2	10666.5	10441.2	10180.8	9794.8	9504.8	9090.0	8688.7	7698.5	7539.5	5691.9
35°	11313.8	11321.0	11111.8	10803.0	10434.9	10212.2	9653.8	9130.4	8193.1	8046.8	6029.5
37.5°	11847.1	11813.9	11576.9	11288.7	10971.8	10876.6	10313.7	9617.0	8729.1	8569.3	6388.6
40°	12024.8	11986.2	11830.9	11623.5	11369.5	11361.4	11041.8	10168.2	9335.1	9177.1	6793.5
42.5°	11917.1	11867.7	11804.0	11747.4	11669.3	11705.2	11725.9	10814.6	10001.3	9824.4	7262.1
45°	11519.4	11444.9	11489.8	11612.8	11782.4	11985.3	12343.6	11530.2	10747.3	10599.2	7812.5
47.5°	10908.0	10840.7	10980.7	11243.8	11705.2	12218.8	12928.0	12320.2	11637.9	11490.7	8596.2
50°	10047.9	10067.7	10267.9	10746.4	11444.0	12326.5	13648.0	13366.1	12932.5	12795.1	9665.5
52.5°	8636.6	8640.2	9204.0	9989.6	10980.7	12270.8	14047.5	14702.9	14700.2	14534.1	10683.6
55°	7325.9	7405.8	7852.0	8896.1	10230.2	12048.2	14326.8	15352.9	15861.1	15666.2	11632.5
57.5°	6045.6	6092.3	6515.2	7563.8	9159.1	11454.8	14613.1	16133.1	17198.7	17075.8	12812.2
60°	4589.4	4661.3	5098.5	6067.2	7789.1	10401.7	14640.1	16947.4	18797.7	18673.8	14129.2
62.5°	2978.8	3102.7	3512.1	4419.8	6131.8	8887.1	14015.2	17479.8	20313.1	20269.2	15298.2
65°	1712.1	1805.4	2090.0	2790.3	4230.3	6985.6	12529.4	17275.1	21245.9	21220.8	15735.4
66°	1398.7	1457.1	1675.3	2180.7	3490.6	6134.5	11665.7	16843.2	21338.4	21339.3	15685.1
67.5°	1118.6	1144.7	1242.5	1561.2	2575.7	4862.4	10122.5	15890.7	21223.5	21254.9	15361.0
70°	925.6	939.1	969.6	1046.8	1405.9	2932.1	7184.9	13415.5	20069.8	20094.1	14096.0
72.5°	830.4	838.5	850.2	861.0	992.0	1638.4	4388.3	10732.0	17596.5	17627.9	12168.5
75°	752.3	756.8	755.0	755.9	832.2	1044.1	2267.8	8012.7	14228.0	14165.2	9321.6
77.5°	660.8	665.3	656.3	658.1	736.2	802.6	1128.5	5609.3	9601.7	9158.2	5252.0
80°	558.4	562.0	558.4	564.7	641.0	606.0	656.3	3155.7	4245.6	4015.8	1867.4
82.5°	422.0	437.2	448.0	473.1	527.9	430.9	439.0	1229.1	1292.8	1230.9	572.8
85°	184.9	225.3	337.6	361.8	396.8	258.6	288.2	501.0	526.1	509.9	208.3
87.5°	48.5	53.0	167.0	210.1	220.0	116.7	149.9	228.0	240.6	228.0	69.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P317390  
 CATALOG NUMBER: GAN-SA6A-730-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0
2.5°	2442.0	2398.0	2319.0	2248.9	2196.0	2160.1	2124.1	2106.2	2095.4	2084.6	2086.4
5°	2520.1	2431.2	2295.6	2199.6	2145.7	2111.6	2093.6	2086.4	2081.9	2071.2	2071.2
7.5°	2637.7	2512.0	2325.2	2226.5	2184.3	2158.3	2147.5	2143.9	2138.5	2125.9	2127.7
10°	2785.8	2609.8	2387.2	2291.1	2252.5	2223.8	2208.5	2203.1	2193.3	2178.9	2180.7
12.5°	2960.0	2731.0	2468.9	2368.3	2321.7	2283.1	2257.9	2242.7	2225.6	2206.7	2207.6
15°	3150.3	2863.0	2556.9	2437.5	2373.7	2319.9	2279.5	2253.4	2226.5	2203.1	2202.3
17.5°	3343.3	2990.5	2624.2	2475.2	2389.0	2318.1	2263.3	2222.9	2189.7	2161.0	2158.3
20°	3551.6	3105.4	2661.9	2471.6	2360.3	2275.9	2203.1	2152.9	2116.1	2087.3	2082.8
22.5°	3763.5	3213.2	2668.2	2434.8	2296.5	2193.3	2117.0	2061.3	2023.6	1994.0	1983.2
25°	3957.4	3296.6	2642.2	2363.9	2207.6	2096.3	2021.8	1965.2	1934.7	1899.7	1888.9
27.5°	4134.3	3355.0	2590.1	2273.2	2108.0	1998.5	1928.4	1879.9	1846.7	1819.8	1810.8
30°	4293.2	3386.4	2504.8	2165.4	2005.6	1906.0	1846.7	1813.5	1784.8	1750.7	1744.4
32.5°	4444.0	3386.4	2395.3	2047.8	1904.2	1824.3	1789.3	1768.6	1736.3	1703.1	1694.1
35°	4594.8	3365.8	2266.0	1924.8	1810.8	1765.9	1764.1	1739.9	1690.5	1645.6	1634.0
37.5°	4753.7	3323.6	2120.6	1809.9	1734.5	1739.9	1755.2	1701.3	1631.3	1567.5	1550.5
40°	4933.3	3265.2	1969.7	1710.3	1670.8	1728.2	1730.9	1645.6	1509.2	1450.8	1435.5
42.5°	5144.3	3206.9	1829.7	1622.3	1620.5	1693.2	1685.1	1525.3	1443.6	1414.0	1405.9
45°	5421.7	3173.6	1696.8	1538.8	1581.0	1636.7	1607.0	1458.9	1424.8	1407.7	1400.5
47.5°	5858.9	3190.7	1574.7	1472.4	1541.5	1580.1	1461.6	1432.0	1407.7	1387.1	1379.9
50°	6406.5	3180.8	1475.9	1426.6	1496.6	1520.8	1396.0	1396.9	1384.4	1361.0	1350.3
52.5°	6818.6	3103.6	1412.2	1400.5	1457.1	1415.8	1354.7	1362.8	1356.5	1322.4	1310.8
55°	7216.3	3037.2	1379.9	1390.7	1428.4	1284.7	1306.3	1326.0	1319.7	1286.5	1281.1
57.5°	7711.0	3024.6	1360.1	1393.4	1404.1	1219.2	1259.6	1285.6	1281.1	1266.8	1264.1
60°	8317.0	3028.2	1342.2	1397.8	1377.2	1170.7	1215.6	1248.8	1251.5	1248.8	1247.0
62.5°	8650.1	2930.3	1297.3	1385.3	1329.6	1128.5	1169.8	1218.3	1219.2	1224.6	1223.7
65°	8367.3	2637.7	1213.8	1341.3	1249.7	1093.5	1130.3	1183.3	1169.8	1194.0	1194.0
66°	8092.6	2468.9	1172.5	1312.6	1215.6	1080.0	1117.7	1165.3	1148.3	1181.5	1181.5
67.5°	7531.5	2184.3	1098.0	1251.5	1167.1	1061.2	1103.4	1135.7	1112.3	1161.7	1158.1
70°	6506.2	1689.6	948.1	1113.2	1087.2	1033.3	1083.6	1076.4	1042.3	1117.7	1103.4
72.5°	5485.4	1283.8	761.3	931.9	966.0	998.3	1055.8	1001.0	957.9	1010.9	979.5
75°	4256.4	965.1	601.5	724.5	816.1	943.6	1022.6	913.9	852.0	846.6	829.5
77.5°	2301.0	662.6	476.7	553.0	648.2	875.3	1000.1	820.6	727.2	705.7	692.2
80°	911.2	430.9	346.5	419.3	453.4	776.6	946.3	711.9	599.7	578.2	557.5
82.5°	376.2	255.0	223.5	281.0	295.4	664.4	849.3	583.6	463.3	641.0	680.5
85°	161.6	140.1	132.9	145.4	167.0	465.9	676.0	445.3	500.1	446.2	354.6
87.5°	48.5	59.3	56.6	55.7	61.0	111.3	360.0	247.8	367.2	139.2	104.1
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)