

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: P317479

Luminaire Tested: **GAN-SA5B-750-U-T2R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317479  
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-SA5B-750-U-T2R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29755 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

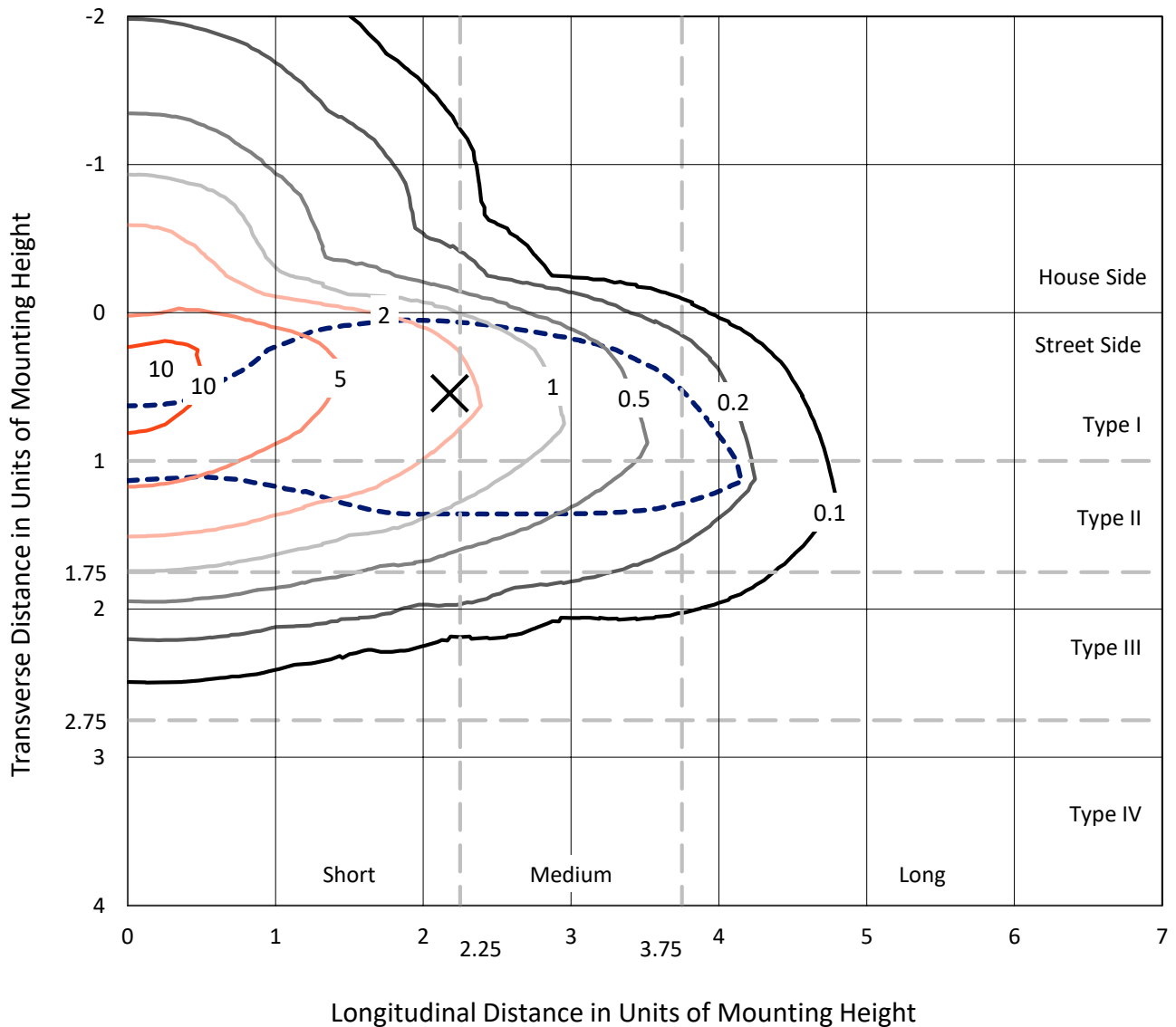
Input Watts (W): 210  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P317479  
 CATALOG NUMBER: GAN-SA5B-750-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

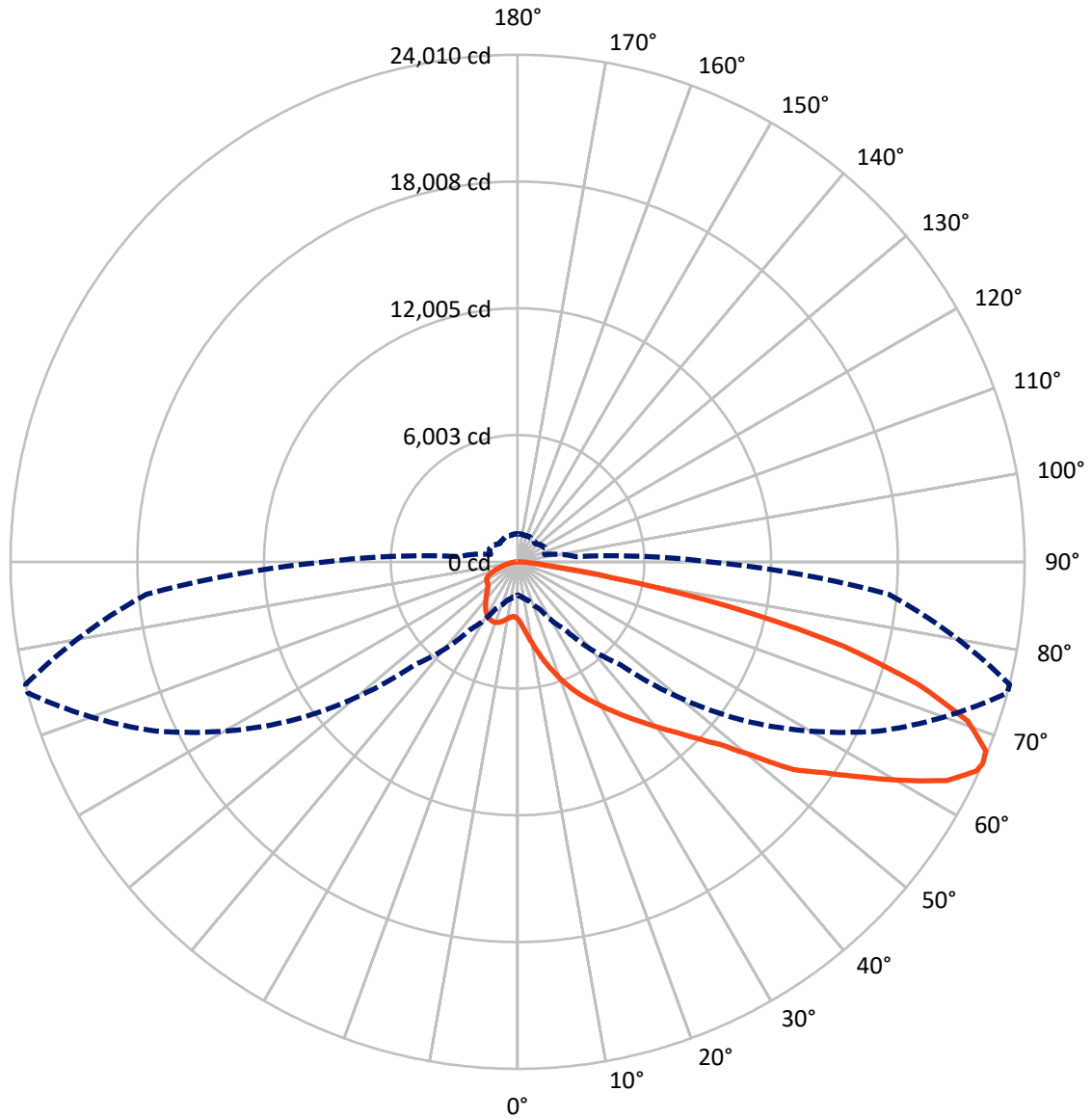
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P317479  
CATALOG NUMBER: GAN-SA5B-750-U-T2R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P317479  
 CATALOG NUMBER: GAN-SA5B-750-U-T2R

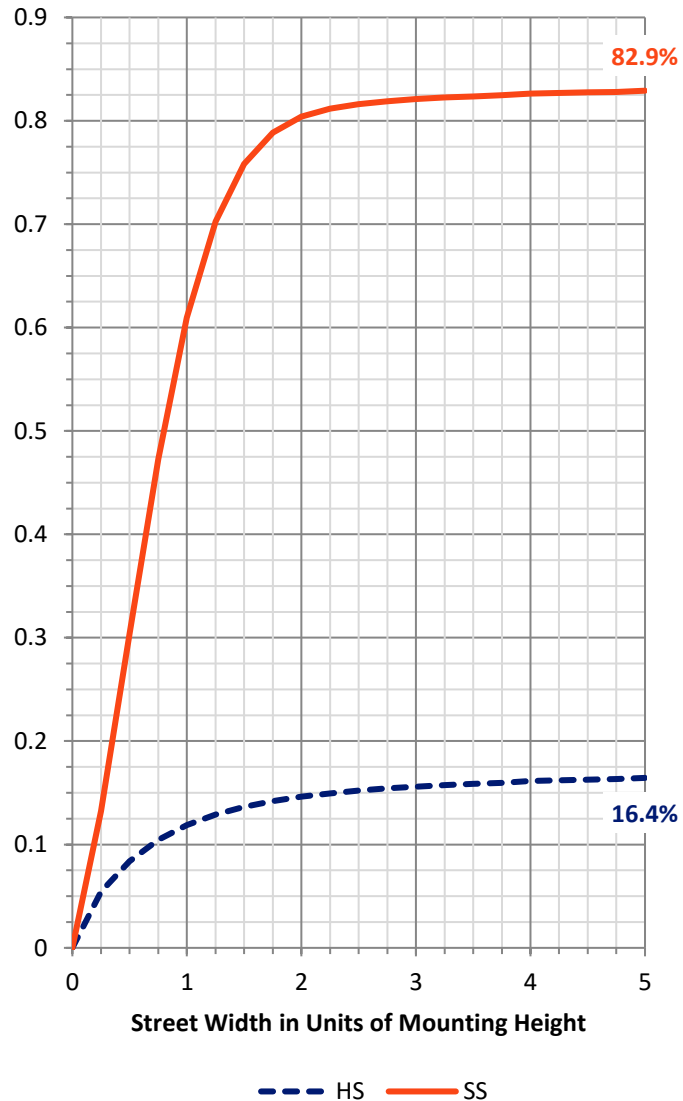
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5006.7	0.0	5006.7
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	24748.3	0.0	24748.3
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	29755.0	0.0	29755.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.6	1.1
10°-20°	1297.6	4.4
20°-30°	2521.6	8.5
30°-40°	4115.7	13.8
40°-50°	5623.1	18.9
50°-60°	6549.8	22.0
60°-70°	5872.0	19.7
70°-80°	2967.5	10.0
80°-90°	479.2	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°	29755.0	100.0
0°-180°	29755.0	100.0

**Coefficient of Utilization**



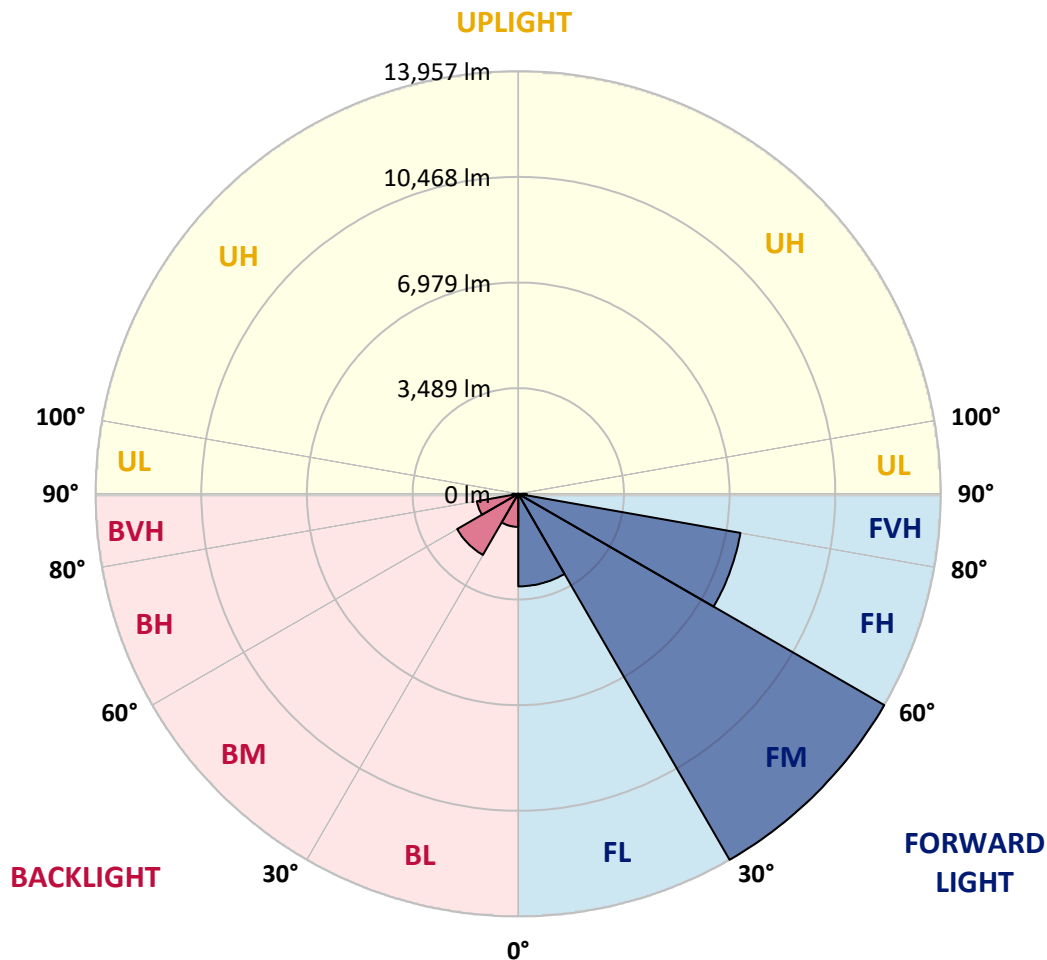
REPORT NUMBER: P317479  
 CATALOG NUMBER: GAN-SA5B-750-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3055.8	10.3			
FM (30°-60°)	13957.2	46.9			
FH (60°-80°)	7452.3	25.0			G3/7500
FVH (80°-90°)	283.0	1.0			G3/500
BL (0°-30°)	1092.0	3.7	B3/2500		
BM (30°-60°)	2331.4	7.8	B2/2500		
BH (60°-80°)	1387.1	4.7	B3/2500		G3/2500
BVH (80°-90°)	196.2	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: P317479

CATALOG NUMBER: GAN-SA5B-750-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3
2.5°	3607.2	3552.7	3547.6	3467.8	3449.7	3297.1	3185.0	3067.8	2934.5	2908.2	2803.2
5°	4633.6	4628.5	4558.8	4428.5	4326.5	4065.9	3808.3	3535.5	3236.5	3188.0	2951.7
7.5°	5556.8	5548.8	5495.2	5354.8	5207.3	4887.1	4519.4	4101.2	3616.3	3544.6	3152.7
10°	6257.9	6254.8	6236.7	6133.6	6008.4	5701.3	5295.2	4724.5	4057.8	3959.8	3404.2
12.5°	6799.3	6805.4	6817.5	6781.1	6721.5	6459.9	6043.7	5385.1	4528.5	4431.5	3684.0
15°	7166.0	7184.2	7246.8	7298.3	7329.6	7169.0	6766.0	6060.9	5055.8	4939.6	3994.1
17.5°	7350.9	7371.1	7479.1	7634.7	7778.2	7762.0	7441.8	6705.4	5561.9	5449.8	4327.5
20°	7510.5	7525.6	7646.8	7833.7	8087.3	8199.4	8019.6	7325.6	6116.5	5983.1	4681.0
22.5°	7973.1	7992.3	8028.7	8134.7	8359.0	8565.1	8478.2	7912.5	6624.6	6500.3	5016.4
25°	8866.1	8889.3	8810.5	8720.6	8763.0	8906.5	8922.7	8447.9	7139.7	6999.3	5377.0
27.5°	9941.9	9975.2	9840.9	9609.6	9407.5	9352.0	9332.8	8886.3	7631.7	7469.0	5733.6
30°	10995.5	11053.1	10878.3	10578.3	10207.6	9946.9	9754.0	9315.6	8116.6	7961.0	6070.0
32.5°	12024.8	12001.6	11748.0	11455.1	11020.7	10694.5	10227.8	9776.2	8662.0	8483.2	6404.3
35°	12729.9	12738.0	12502.6	12155.1	11741.0	11490.5	10862.1	10273.2	9218.6	9054.0	6784.2
37.5°	13329.9	13292.6	13025.9	12701.6	12345.0	12238.0	11604.6	10820.7	9821.7	9641.9	7188.2
40°	13529.9	13486.5	13311.8	13078.4	12792.5	12783.4	12423.8	11441.0	10503.5	10325.7	7643.8
42.5°	13408.7	13353.2	13281.4	13217.8	13129.9	13170.3	13193.6	12168.3	11253.1	11054.1	8171.1
45°	12961.2	12877.4	12927.9	13066.3	13257.2	13485.5	13888.5	12973.4	12092.5	11925.8	8790.3
47.5°	12273.3	12197.6	12355.1	12651.1	13170.3	13748.1	14546.2	13862.3	13094.6	12928.9	9672.2
50°	11305.6	11327.8	11553.1	12091.5	12876.4	13869.4	15356.3	15039.1	14551.2	14396.7	10875.3
52.5°	9717.6	9721.7	10356.1	11239.9	12355.1	13806.7	15805.8	16543.2	16540.2	16353.3	12020.8
55°	8242.8	8332.7	8834.8	10009.6	11510.7	13556.2	16120.0	17274.6	17846.3	17627.1	13088.5
57.5°	6802.3	6854.9	7330.7	8510.5	10305.5	12888.5	16442.2	18152.4	19351.4	19213.0	14415.8
60°	5163.9	5244.7	5736.6	6826.6	8764.1	11703.6	16472.5	19068.6	21150.5	21011.1	15897.7
62.5°	3351.7	3491.1	3951.7	4973.0	6899.3	9999.5	15769.4	19667.6	22855.6	22806.1	17213.0
65°	1926.4	2031.4	2351.6	3139.5	4759.8	7860.0	14097.6	19437.3	23905.2	23876.9	17704.9
66°	1573.8	1639.5	1884.9	2453.7	3927.5	6902.4	13125.9	18951.4	24009.2	24010.2	17648.3
67.5°	1258.6	1287.9	1398.0	1756.7	2898.1	5471.0	11389.4	17879.6	23879.9	23915.3	17283.7
70°	1041.5	1056.6	1091.0	1177.8	1581.9	3299.1	8084.2	15094.7	22581.9	22609.2	15860.4
72.5°	934.4	943.5	956.6	968.7	1116.2	1843.5	4937.6	12075.3	19798.9	19834.3	13691.6
75°	846.5	851.6	849.5	850.5	936.4	1174.8	2551.6	9015.6	16008.9	15938.1	10488.4
77.5°	743.5	748.5	738.4	740.4	828.3	903.1	1269.8	6311.4	10803.6	10304.5	5909.4
80°	628.3	632.4	628.3	635.4	721.2	681.9	738.4	3550.7	4777.0	4518.4	2101.1
82.5°	474.8	491.9	504.1	532.3	594.0	484.9	494.0	1382.9	1454.6	1384.9	644.5
85°	208.1	253.5	379.8	407.1	446.5	290.9	324.3	563.7	591.9	573.8	234.4
87.5°	54.5	59.6	187.9	236.4	247.5	131.3	168.7	256.6	270.7	256.6	77.8
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: P317479  
 CATALOG NUMBER: GAN-SA5B-750-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3	2717.3
2.5°	2747.6	2698.1	2609.2	2530.4	2470.8	2430.4	2390.0	2369.8	2357.7	2345.6	2347.6
5°	2835.5	2735.5	2583.0	2474.9	2414.3	2375.9	2355.7	2347.6	2342.5	2330.4	2330.4
7.5°	2967.8	2826.4	2616.3	2505.2	2457.7	2428.4	2416.3	2412.2	2406.2	2392.0	2394.1
10°	3134.5	2936.5	2686.0	2577.9	2534.5	2502.1	2485.0	2478.9	2467.8	2451.6	2453.7
12.5°	3330.5	3072.9	2777.9	2664.8	2612.2	2568.8	2540.5	2523.4	2504.2	2482.9	2484.0
15°	3544.6	3221.4	2876.9	2742.6	2670.8	2610.2	2564.8	2535.5	2505.2	2478.9	2477.9
17.5°	3761.8	3364.8	2952.7	2785.0	2688.0	2608.2	2546.6	2501.1	2463.8	2431.4	2428.4
20°	3996.2	3494.1	2995.1	2780.9	2655.7	2560.7	2478.9	2422.3	2380.9	2348.6	2343.5
22.5°	4234.5	3615.3	3002.2	2739.5	2584.0	2467.8	2381.9	2319.3	2276.9	2243.5	2231.4
25°	4452.7	3709.3	2972.9	2659.7	2484.0	2358.7	2274.9	2211.2	2176.9	2137.5	2125.4
27.5°	4651.7	3774.9	2914.3	2557.7	2371.8	2248.6	2169.8	2115.3	2077.9	2047.6	2037.5
30°	4830.5	3810.3	2818.3	2436.5	2256.7	2144.5	2077.9	2040.5	2008.2	1969.8	1962.7
32.5°	5000.2	3810.3	2695.1	2304.2	2142.5	2052.6	2013.2	1990.0	1953.6	1916.3	1906.2
35°	5169.9	3787.1	2549.6	2165.8	2037.5	1987.0	1984.9	1957.7	1902.1	1851.6	1838.5
37.5°	5348.7	3739.6	2386.0	2036.5	1951.6	1957.7	1974.8	1914.2	1835.4	1763.7	1744.5
40°	5550.8	3673.9	2216.3	1924.3	1879.9	1944.5	1947.6	1851.6	1698.1	1632.4	1615.2
42.5°	5788.2	3608.3	2058.7	1825.3	1823.3	1905.1	1896.1	1716.2	1624.3	1591.0	1581.9
45°	6100.3	3570.9	1909.2	1731.4	1778.9	1841.5	1808.2	1641.5	1603.1	1583.9	1575.8
47.5°	6592.2	3590.1	1771.8	1656.6	1734.4	1777.9	1644.5	1611.2	1583.9	1560.7	1552.6
50°	7208.4	3579.0	1660.7	1605.1	1683.9	1711.2	1570.8	1571.8	1557.7	1531.4	1519.3
52.5°	7672.1	3492.1	1589.0	1575.8	1639.5	1593.0	1524.3	1533.4	1526.3	1488.0	1474.8
55°	8119.6	3417.3	1552.6	1564.7	1607.1	1445.5	1469.8	1492.0	1484.9	1447.5	1441.5
57.5°	8676.2	3403.2	1530.4	1567.8	1579.9	1371.8	1417.2	1446.5	1441.5	1425.3	1422.3
60°	9358.0	3407.2	1510.2	1572.8	1549.6	1317.2	1367.7	1405.1	1408.1	1405.1	1403.1
62.5°	9732.8	3297.1	1459.7	1558.7	1496.0	1269.8	1316.2	1370.8	1371.8	1377.8	1376.8
65°	9414.6	2967.8	1365.7	1509.2	1406.1	1230.4	1271.8	1331.4	1316.2	1343.5	1343.5
66°	9105.5	2777.9	1319.3	1476.8	1367.7	1215.2	1257.6	1311.2	1292.0	1329.4	1329.4
67.5°	8474.1	2457.7	1235.4	1408.1	1313.2	1194.0	1241.5	1277.8	1251.6	1307.1	1303.1
70°	7320.6	1901.1	1066.7	1252.6	1223.3	1162.7	1219.3	1211.2	1172.8	1257.6	1241.5
72.5°	6172.0	1444.5	856.6	1048.5	1086.9	1123.3	1187.9	1126.3	1077.8	1137.4	1102.1
75°	4789.1	1085.9	676.8	815.2	918.2	1061.7	1150.6	1028.3	958.6	952.6	933.4
77.5°	2589.0	745.5	536.4	622.3	729.3	984.9	1125.3	923.3	818.2	794.0	778.8
80°	1025.3	484.9	389.9	471.7	510.1	873.8	1064.7	801.0	674.8	650.5	627.3
82.5°	423.3	286.9	251.5	316.2	332.3	747.5	955.6	656.6	521.2	721.2	765.7
85°	181.8	157.6	149.5	163.6	187.9	524.3	760.6	501.0	562.7	502.0	399.0
87.5°	54.5	66.7	63.6	62.6	68.7	125.3	405.1	278.8	413.2	156.6	117.2
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)