

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: P319320

Luminaire Tested: **GAN-SA6B-730-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319320  
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-SA6B-730-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA 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: 30493 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

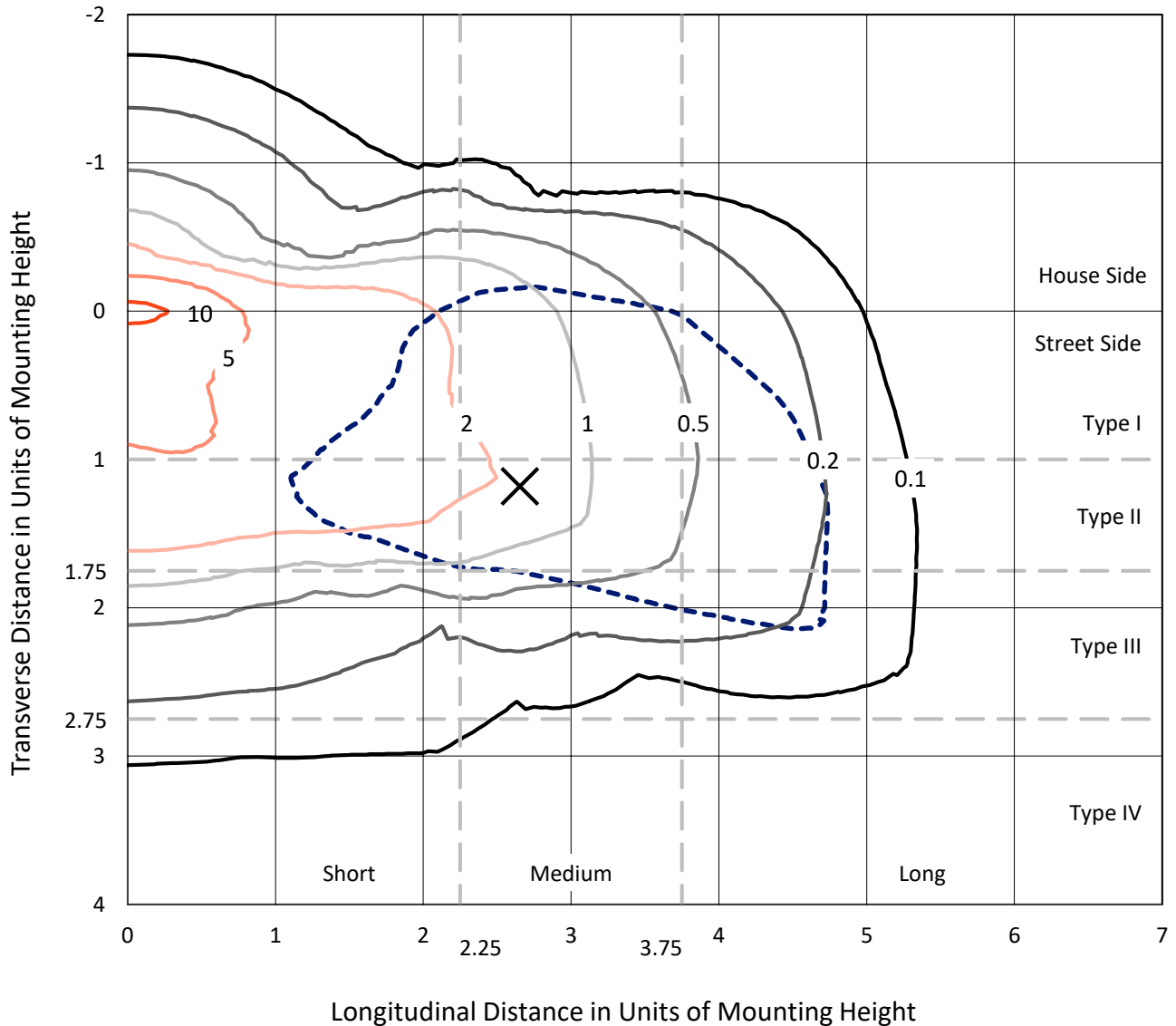
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

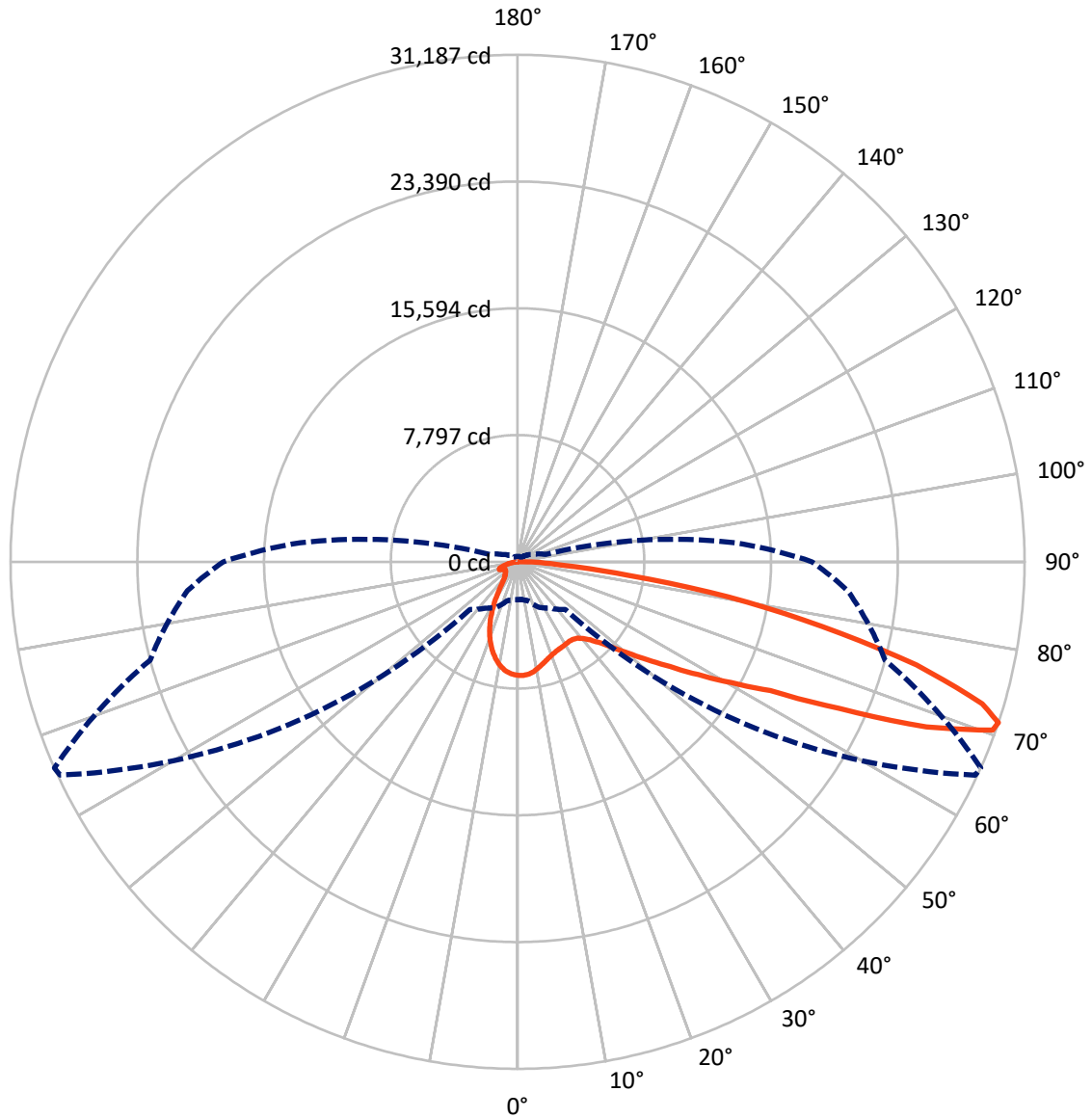
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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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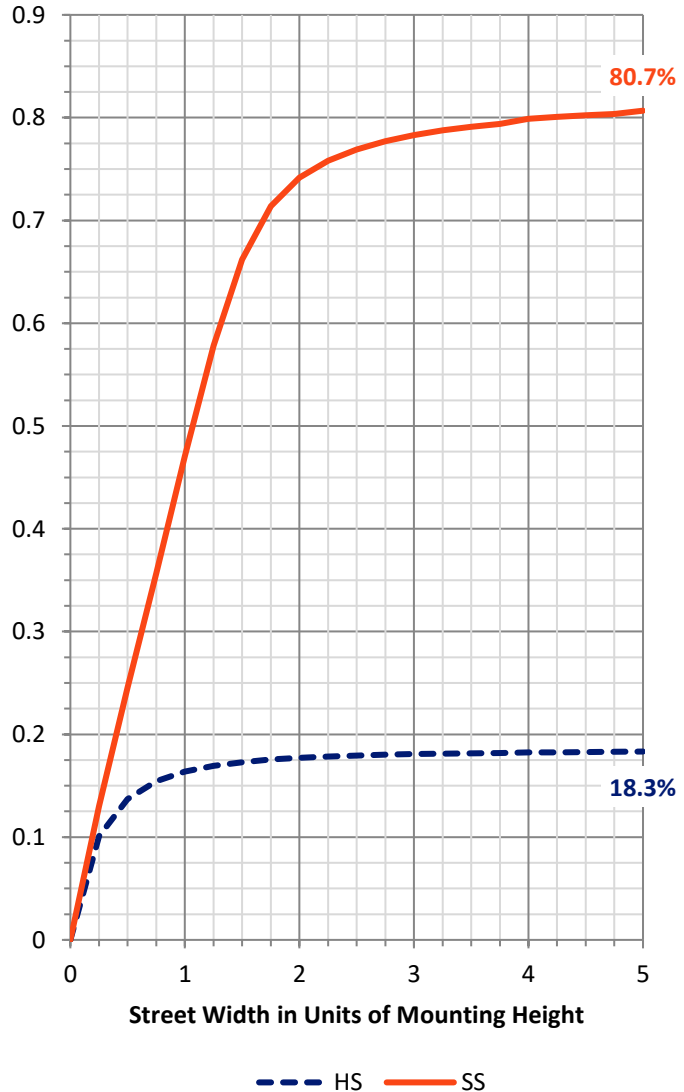
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5651.2	0.0	5651.2
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	24841.8	0.0	24841.8
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	30493.0	0.0	30493.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	614.9	2.0
10°-20°	1474.7	4.8
20°-30°	1981.0	6.5
30°-40°	2605.9	8.5
40°-50°	3790.9	12.4
50°-60°	5921.8	19.4
60°-70°	7418.0	24.3
70°-80°	5658.3	18.6
80°-90°	1027.5	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°	30493.0	100.0
0°-180°	30493.0	100.0

**Coefficient of Utilization**

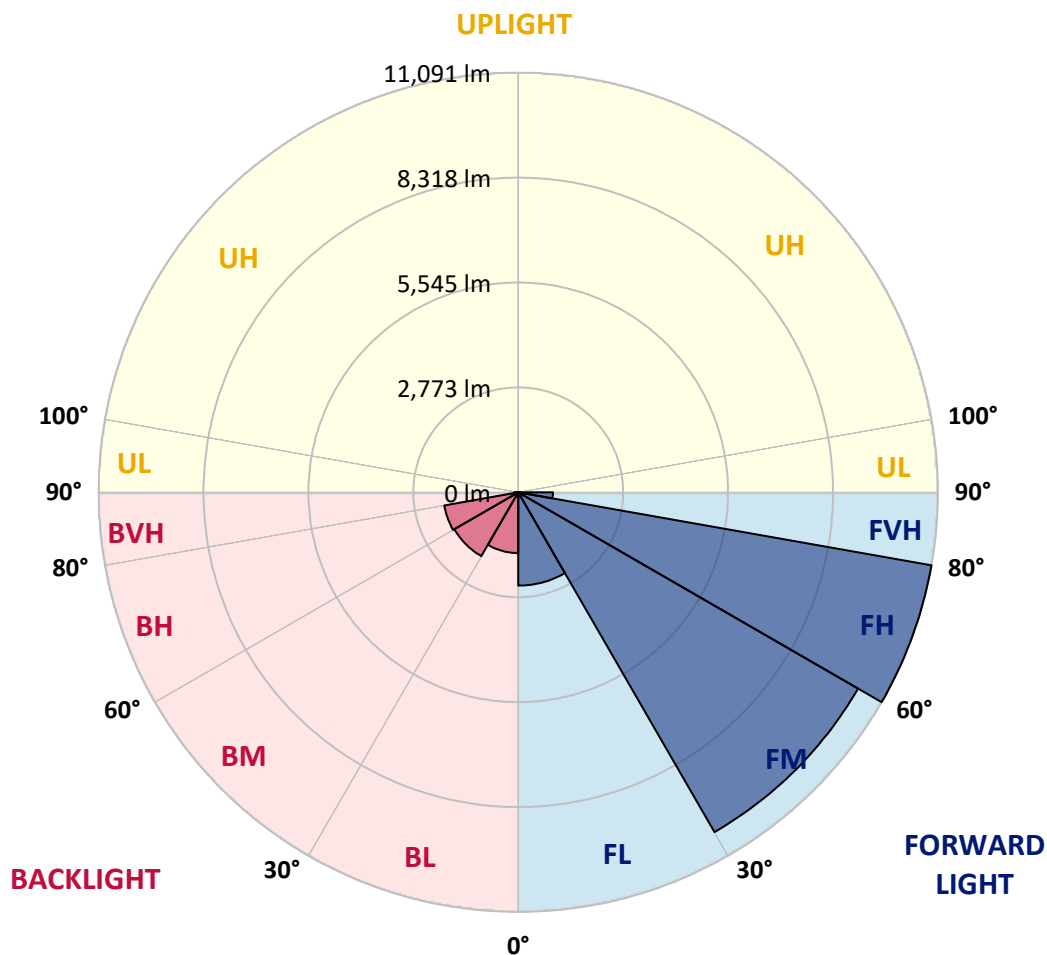


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2465.8	8.1			
FM (30°-60°)	10369.1	34.0			
FH (60°-80°)	11090.6	36.4			G4/12000
FVH (80°-90°)	916.3	3.0			G5
BL (0°-30°)	1604.8	5.3	B3/2500		
BM (30°-60°)	1949.5	6.4	B2/2500		
BH (60°-80°)	1985.7	6.5	B3/2500		G3/2500
BVH (80°-90°)	111.2	0.4			G2/225
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°	66°	75°	85°
0°	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4
2.5°	6855.9	6845.3	6876.9	6909.6	6922.2	6943.2	6974.8	6992.7	6991.7	6994.8	6984.3
5°	6401.0	6387.4	6450.5	6502.1	6601.1	6712.7	6848.5	6945.3	6947.5	7002.2	7016.9
7.5°	5970.5	5961.0	6033.6	6116.8	6231.5	6402.1	6622.1	6830.6	6843.2	6991.7	7043.3
10°	5625.1	5623.0	5693.6	5784.1	5917.8	6108.4	6361.0	6666.4	6685.3	6941.1	7047.5
12.5°	5355.6	5359.8	5420.9	5524.1	5665.1	5864.1	6137.8	6482.1	6512.6	6861.1	7023.3
15°	5156.6	5173.5	5223.0	5327.2	5466.2	5668.3	5949.4	6311.6	6357.9	6771.6	7009.6
17.5°	5042.9	5061.9	5096.6	5183.0	5313.5	5508.3	5774.6	6171.5	6213.7	6703.2	7010.6
20°	5009.2	5025.0	5045.0	5097.7	5208.2	5385.1	5636.7	6045.2	6090.5	6648.5	7021.2
22.5°	5075.6	5087.1	5089.3	5085.0	5152.4	5296.7	5536.7	5952.6	6001.0	6612.7	7028.5
25°	5217.7	5233.5	5221.9	5183.0	5160.8	5249.3	5485.1	5891.5	5939.9	6586.3	7013.8
27.5°	5431.4	5433.5	5424.0	5373.5	5269.3	5254.5	5469.3	5855.7	5902.0	6555.8	6983.3
30°	5722.0	5735.7	5718.8	5650.4	5479.8	5338.8	5488.3	5821.0	5863.1	6516.9	6933.8
32.5°	6062.0	6095.7	6094.7	6023.1	5778.8	5527.2	5566.2	5799.9	5832.5	6475.8	6873.8
35°	6414.7	6461.1	6547.4	6516.9	6214.7	5825.2	5715.7	5833.6	5855.7	6470.5	6831.6
37.5°	6781.1	6827.4	7005.4	7087.5	6733.7	6251.6	5951.5	5952.6	5963.1	6534.8	6828.5
40°	7164.3	7213.8	7481.2	7694.9	7406.5	6791.6	6331.6	6201.0	6189.4	6692.7	6890.6
42.5°	7701.3	7745.5	8066.6	8339.3	8152.9	7483.3	6856.9	6584.2	6560.0	7002.2	7089.6
45°	8380.3	8418.2	8759.3	9051.0	8955.2	8272.9	7517.0	7111.7	7107.5	7518.1	7492.8
47.5°	9187.8	9217.3	9523.7	9805.8	9840.6	9181.5	8346.6	7925.5	7857.1	8225.6	8117.1
50°	10029.0	10061.6	10270.1	10573.3	10831.2	10397.5	9414.2	8922.5	8830.9	9159.4	9001.5
52.5°	10585.9	10629.1	10810.2	11194.5	11945.1	11730.3	10676.5	10131.1	9992.2	10291.2	10170.1
55°	10337.5	10434.3	10711.2	11327.1	12835.8	13766.5	12233.6	11540.8	11384.0	11632.4	11560.8
57.5°	9207.8	9340.5	9718.4	10669.1	12961.1	15560.4	14587.7	13201.1	13090.6	13019.0	13051.6
60°	7143.3	7270.7	7739.2	8978.3	12088.3	16870.1	18130.3	15247.8	15087.7	14410.8	14440.3
62.5°	5055.6	4991.3	5312.5	6218.9	9822.7	17023.8	22161.5	17985.1	17458.7	15880.5	15751.0
65°	3855.4	3840.6	3984.9	4273.3	5949.4	15184.6	24563.0	22585.8	21763.6	17609.2	17303.9
67.5°	3167.9	3141.6	3283.7	3703.8	3831.2	9796.3	24615.6	27923.5	27116.0	19761.1	19100.0
70°	2604.6	2575.2	2707.8	3250.0	3540.6	4968.2	20717.1	31049.3	31006.1	22485.8	20456.0
71°	2335.1	2314.1	2473.0	3075.2	3478.5	4140.7	17887.1	31057.7	31187.2	23408.0	20376.0
72.5°	1901.4	1908.7	2077.2	2737.3	3432.1	3656.4	13146.4	29610.1	29883.8	24287.1	19648.5
75°	1263.4	1269.7	1490.8	2105.6	3327.9	3577.4	7225.4	24846.2	25349.4	23760.7	17929.3
77.5°	848.6	846.5	997.0	1444.4	2899.4	3577.4	4236.5	18583.0	19135.8	18906.3	13822.3
80°	584.3	580.1	686.4	997.0	2195.1	3620.6	3275.3	13023.2	13190.6	10210.1	5617.8
82.5°	358.0	361.1	448.5	704.3	1493.9	3258.4	3092.1	7101.2	6919.0	2863.6	1403.4
85°	205.3	204.2	286.4	476.9	959.1	2749.9	3015.2	3056.3	2803.6	862.2	507.5
87.5°	73.7	79.0	153.7	264.3	549.6	1915.1	2558.3	1589.7	1432.9	389.5	229.5
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°	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4	6985.4
2.5°	6976.9	6983.3	6975.9	6933.8	6898.0	6840.1	6807.4	6762.2	6748.5	6742.2	6759.0
5°	7003.3	7005.4	6943.2	6832.7	6708.5	6562.1	6456.8	6327.4	6266.3	6240.0	6256.8
7.5°	7027.5	7018.0	6882.2	6670.6	6441.1	6186.3	5959.9	5752.5	5631.4	5582.0	5586.2
10°	7030.6	6990.6	6772.7	6445.3	6089.4	5715.7	5368.2	5048.2	4846.1	4714.5	4754.5
12.5°	6998.0	6930.6	6611.6	6153.6	5659.9	5150.3	4680.8	4200.7	3912.2	3778.5	3782.7
15°	6972.7	6850.6	6413.7	5810.4	5147.2	4472.3	3831.2	3266.9	2959.4	2822.6	2758.3
17.5°	6951.7	6764.3	6184.2	5424.0	4541.8	3685.9	2915.2	2412.0	2243.5	2203.5	2186.7
20°	6922.2	6672.7	5928.3	4976.6	3852.2	2805.7	2128.8	1880.3	1881.4	1927.7	1934.0
22.5°	6881.1	6568.4	5655.7	4474.4	3112.1	2043.5	1668.7	1597.1	1669.7	1758.2	1774.0
25°	6820.1	6445.3	5352.5	3919.6	2373.0	1570.8	1425.5	1422.3	1510.8	1603.4	1617.1
27.5°	6733.7	6284.2	5015.6	3323.7	1748.7	1335.0	1277.1	1299.2	1364.4	1431.8	1437.1
30°	6617.9	6096.8	4643.9	2695.2	1370.8	1188.6	1182.3	1202.3	1242.3	1289.7	1293.9
32.5°	6490.5	5906.2	4247.0	2086.7	1173.9	1109.7	1116.0	1125.4	1144.4	1163.3	1167.6
35°	6374.7	5711.5	3840.6	1585.5	1080.2	1058.1	1053.9	1051.8	1053.9	1047.5	1048.6
37.5°	6300.0	5550.4	3417.4	1262.3	1026.5	1012.8	1000.2	984.4	966.5	955.9	958.1
40°	6272.6	5430.4	2988.9	1090.7	982.3	972.8	948.6	914.9	893.8	887.5	887.5
42.5°	6346.3	5368.2	2575.2	1004.4	945.4	929.6	889.6	850.7	834.9	833.8	832.8
45°	6571.6	5393.5	2181.4	957.0	911.7	881.2	828.6	795.9	785.4	787.5	786.4
47.5°	6975.9	5552.5	1844.5	925.4	878.0	838.0	779.1	752.8	740.1	740.1	741.2
50°	7663.4	5924.1	1576.0	899.1	849.6	798.0	743.3	710.6	693.8	692.7	692.7
52.5°	8664.6	6589.5	1408.7	877.0	818.0	762.2	707.5	666.4	646.4	642.2	640.1
55°	9919.5	7543.3	1362.3	862.2	775.9	723.3	664.3	623.3	601.2	591.7	590.6
57.5°	11322.9	8703.5	1453.9	844.3	732.8	677.0	616.9	578.0	554.8	543.2	542.2
60°	12743.1	9970.1	1827.7	819.1	697.0	626.4	568.5	532.7	509.6	496.9	494.8
62.5°	14165.5	11305.0	2591.0	817.0	671.7	578.0	519.0	488.5	466.4	452.7	449.5
65°	15770.0	12766.3	3458.5	872.8	663.3	533.8	468.5	444.3	425.3	412.7	411.6
67.5°	17612.4	14416.0	3375.3	987.5	691.7	493.8	421.1	402.2	388.5	378.0	376.9
70°	18476.7	14158.1	2098.2	1068.6	731.7	454.8	375.9	362.2	351.6	344.3	341.1
71°	18114.5	13443.3	1759.2	1059.1	727.5	438.0	358.0	347.4	336.9	330.6	327.4
72.5°	17127.0	12259.9	1467.6	985.4	680.1	407.4	334.8	324.3	314.8	307.4	305.3
75°	15368.8	10949.2	1174.9	787.5	542.2	344.3	293.7	282.2	274.8	270.6	266.4
77.5°	11297.6	7813.9	908.6	622.2	399.0	281.1	250.6	242.1	234.8	228.5	225.3
80°	4328.1	3026.8	611.7	464.3	292.7	222.1	202.1	197.9	190.6	186.3	186.3
82.5°	1165.5	904.4	326.4	281.1	195.8	162.1	154.8	152.7	146.3	137.9	139.0
85°	471.7	399.0	183.2	154.8	120.0	95.8	104.2	105.3	97.9	87.4	88.4
87.5°	207.4	169.5	102.1	68.4	52.6	36.8	47.4	47.4	43.2	35.8	32.6
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)