

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: P322220

Luminaire Tested: **GAN-SA6D-730-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30798 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

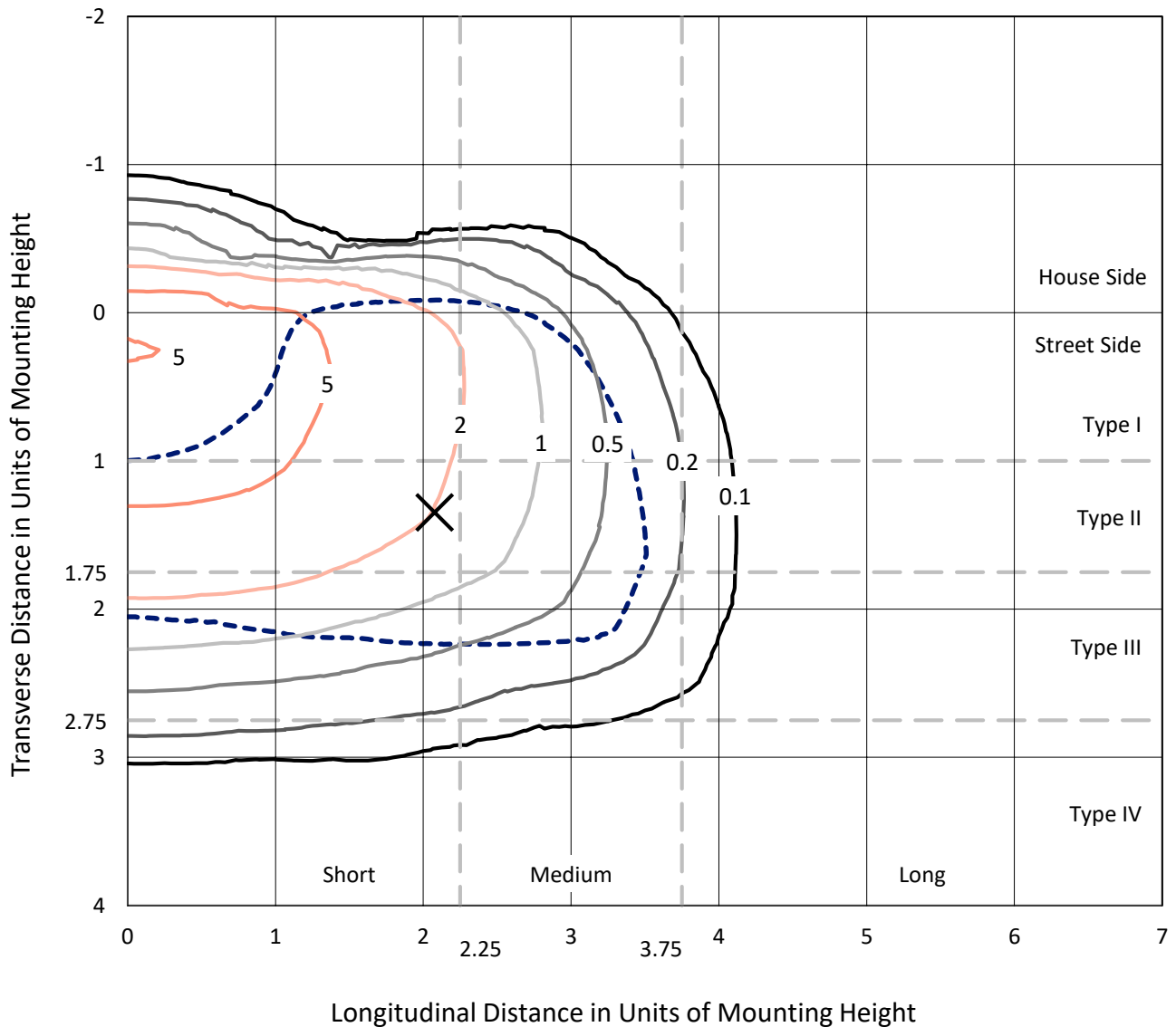
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

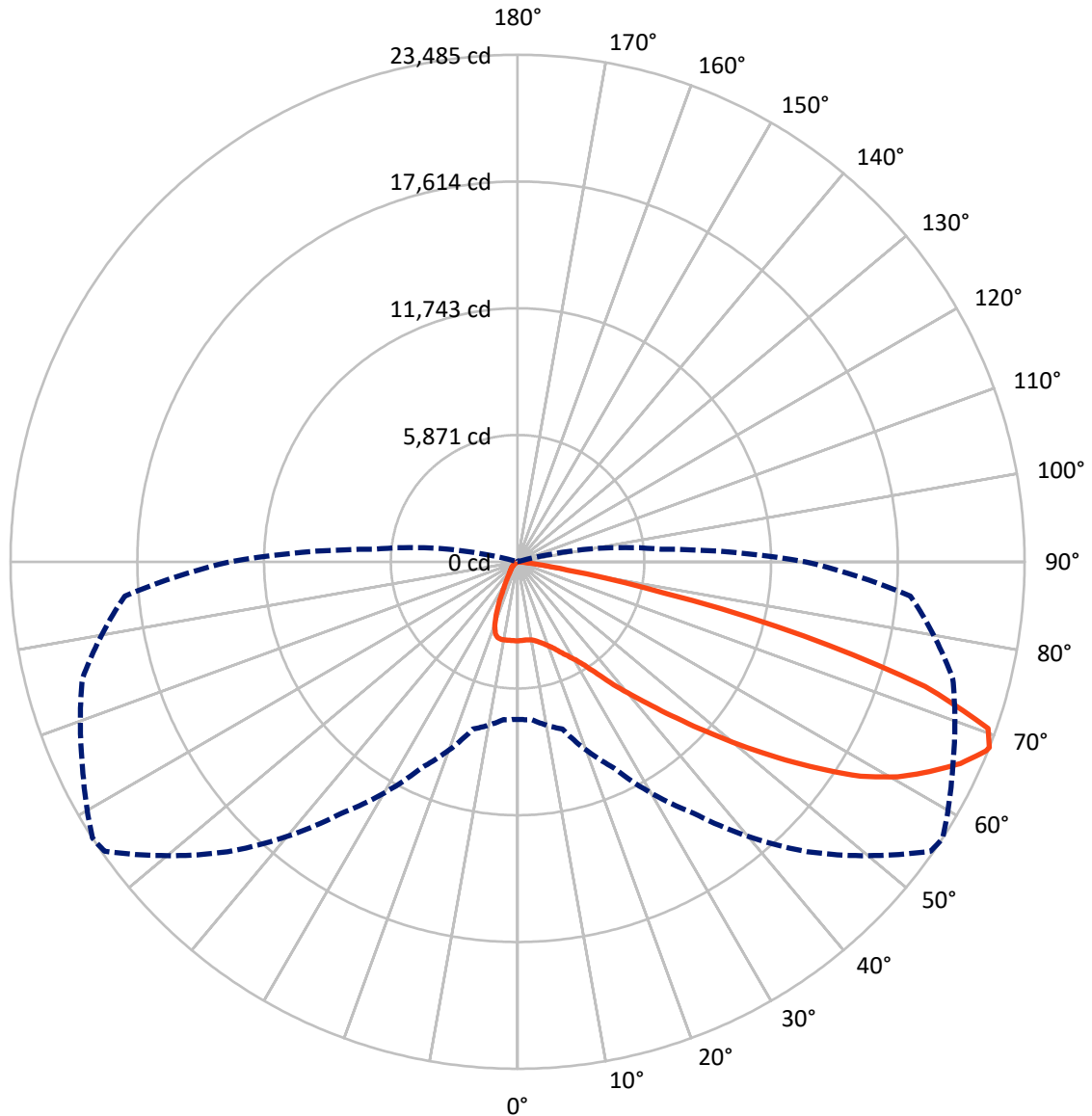
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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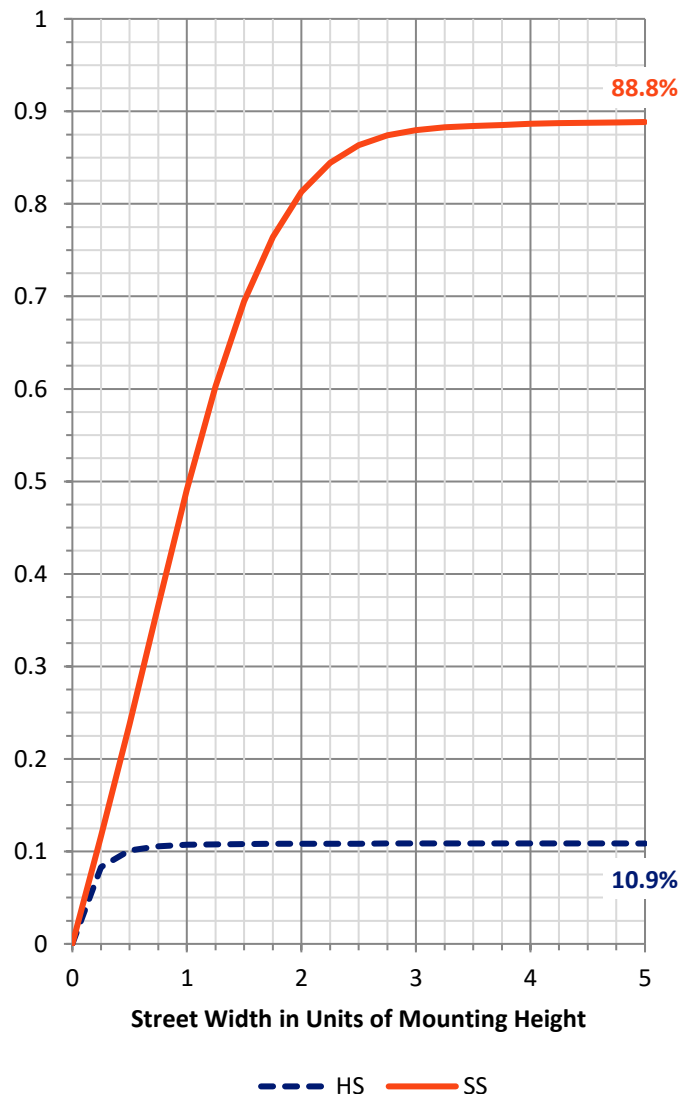
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3377.2	0.0	3377.2
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	27420.8	0.0	27420.8
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	30798.0	0.0	30798.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.5	1.1
10°-20°	949.0	3.1
20°-30°	1637.2	5.3
30°-40°	2825.8	9.2
40°-50°	4833.5	15.7
50°-60°	7733.1	25.1
60°-70°	8934.8	29.0
70°-80°	3414.1	11.1
80°-90°	128.0	0.4
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°	30798.0	100.0
0°-180°	30798.0	100.0

**Coefficient of Utilization**



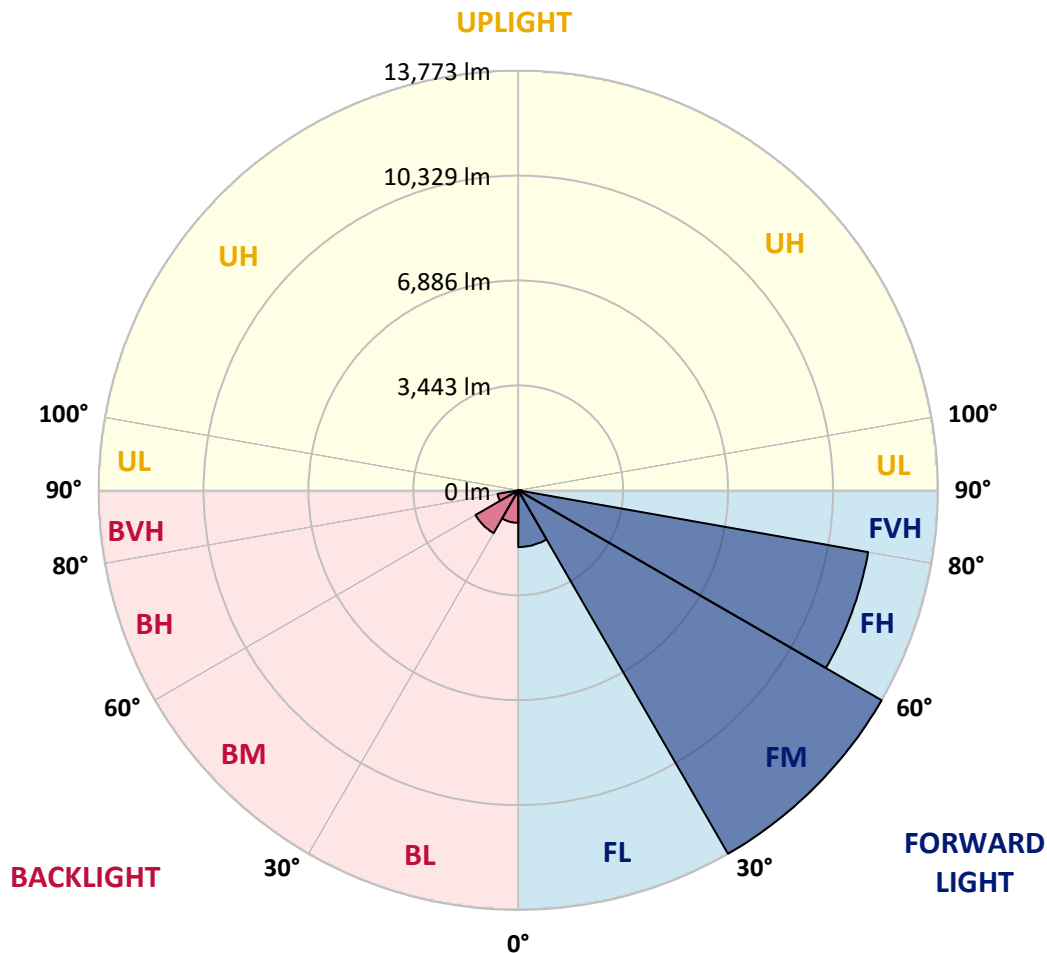
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1861.4	6.0			
FM (30°-60°)	13772.6	44.7			
FH (60°-80°)	11661.1	37.9			G4/12000
FVH (80°-90°)	125.6	0.4			G2/225
BL (0°-30°)	1067.3	3.5	B3/2500		
BM (30°-60°)	1619.8	5.3	B2/2500		
BH (60°-80°)	687.8	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6
2.5°	3573.7	3589.7	3601.4	3608.6	3617.4	3636.3	3642.1	3650.9	3655.2	3655.2	3665.4
5°	3432.4	3449.9	3474.7	3495.1	3535.8	3588.3	3626.1	3640.7	3666.9	3690.2	3703.3
7.5°	3301.4	3321.8	3350.9	3398.9	3468.8	3553.3	3631.9	3652.3	3703.3	3752.8	3777.6
10°	3216.9	3232.9	3270.8	3339.2	3431.0	3548.9	3659.6	3684.4	3771.7	3854.8	3901.4
12.5°	3187.8	3202.3	3241.7	3318.8	3432.4	3570.8	3723.7	3760.1	3888.2	4009.1	4074.7
15°	3230.0	3232.9	3275.2	3348.0	3460.1	3624.7	3830.0	3873.7	4035.3	4192.6	4274.2
17.5°	3393.1	3380.0	3401.9	3433.9	3522.7	3696.0	3942.1	4007.7	4223.2	4408.1	4485.3
20°	3800.9	3800.9	3751.4	3664.0	3665.4	3806.7	4093.6	4167.9	4431.4	4645.5	4715.4
22.5°	4498.4	4485.3	4386.3	4172.2	3975.6	3997.5	4278.5	4374.6	4681.9	4910.6	4933.9
25°	5337.2	5321.2	5168.3	4866.9	4526.1	4306.2	4529.0	4639.7	4980.5	5182.9	5134.8
27.5°	6225.6	6212.5	6061.0	5686.7	5201.8	4798.4	4827.5	4932.4	5284.8	5484.3	5331.4
30°	7086.2	7090.6	6940.6	6556.1	6007.1	5426.1	5206.2	5267.3	5580.4	5782.9	5564.4
32.5°	7904.7	7910.5	7780.9	7351.3	6838.7	6155.7	5730.4	5714.4	5924.1	6123.6	5873.1
35°	8634.2	8648.8	8560.0	8226.5	7683.3	6968.3	6410.5	6372.7	6412.0	6637.7	6346.4
37.5°	9337.6	9346.4	9279.4	8998.3	8544.0	7861.0	7269.7	7215.8	7131.4	7304.7	6971.2
40°	10108.0	10086.1	10009.0	9754.1	9363.8	8846.9	8193.0	8099.8	7952.7	8107.1	7792.5
42.5°	10824.5	10799.7	10812.8	10524.5	10195.4	9860.4	9269.2	9109.0	9023.1	9200.7	8800.3
45°	11720.1	11707.0	11750.7	11500.2	11233.7	10990.5	10502.6	10327.9	10290.0	10498.3	10019.2
47.5°	12604.0	12636.1	12771.5	12665.2	12557.4	12343.4	11808.9	11730.3	11753.6	12005.5	11305.0
50°	13340.9	13378.8	13750.1	13872.5	14028.3	13903.0	13367.1	13319.1	13410.8	13638.0	12688.5
52.5°	13873.9	13951.1	14412.7	14976.3	15544.3	15628.7	15094.3	15050.6	15174.4	15209.3	13757.4
55°	14243.8	14312.3	14835.1	15866.1	17022.4	17386.4	17054.4	16885.5	16862.2	16517.0	14881.7
57.5°	14309.3	14302.1	15053.5	16441.3	18181.6	19120.9	18911.2	18745.1	18267.5	17725.8	16170.5
60°	13939.4	13981.7	14854.0	16640.8	18909.7	20433.0	20449.0	20233.5	19489.3	18901.0	17419.9
62.5°	12800.6	12972.5	13853.5	16118.0	18901.0	20961.6	21576.1	21411.6	20521.8	19863.6	18686.9
65°	10954.1	11015.2	11855.5	14326.8	17623.8	20740.2	22591.2	22530.0	21452.4	20798.5	19337.9
67.5°	7999.3	7866.8	8749.3	11281.7	14921.0	19450.0	23319.3	23396.5	22170.3	20990.7	18644.7
68°	7300.3	7339.6	8027.0	10528.9	14213.2	18994.2	23367.4	23485.3	22241.7	20865.5	18266.0
70°	4351.3	4427.1	5040.2	7249.3	10812.8	16415.1	22848.9	23118.3	21816.4	19573.8	15799.1
72.5°	1111.1	1201.4	1781.0	3244.6	6176.1	11565.7	19288.3	19744.2	18941.7	15879.2	10665.7
75°	457.3	480.6	636.4	1068.9	2300.9	5210.5	12713.3	13689.0	13131.2	9506.6	4820.3
77.5°	316.0	332.0	409.2	592.7	996.1	1766.5	6232.8	6937.7	6250.3	3244.6	1051.4
80°	227.2	240.3	292.7	394.7	572.3	630.6	2031.5	2349.0	1865.5	712.1	260.7
82.5°	135.4	145.6	218.4	281.1	348.0	301.4	505.3	573.8	540.3	353.9	116.5
85°	67.0	78.6	147.1	201.0	187.9	126.7	154.4	171.8	212.6	215.5	62.6
87.5°	4.4	8.7	85.9	120.9	52.4	29.1	45.1	55.3	75.7	106.3	26.2
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°	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6	3659.6
2.5°	3669.8	3671.3	3661.1	3656.7	3659.6	3642.1	3634.9	3637.8	3637.8	3642.1	3634.9
5°	3706.2	3706.2	3688.7	3665.4	3652.3	3618.8	3597.0	3591.2	3586.8	3583.9	3578.1
7.5°	3784.9	3776.1	3745.5	3694.6	3650.9	3578.1	3522.7	3493.6	3479.0	3473.2	3468.8
10°	3911.5	3895.5	3844.6	3749.9	3649.4	3519.8	3398.9	3313.0	3241.7	3212.5	3195.1
12.5°	4081.9	4058.6	3972.7	3815.4	3639.2	3400.4	3138.3	2886.3	2651.9	2555.8	2507.7
15°	4278.5	4245.0	4109.6	3870.8	3579.5	3131.0	2561.6	2120.3	1795.6	1673.3	1620.8
17.5°	4478.0	4434.4	4229.0	3905.7	3400.4	2573.2	1797.0	1357.2	1140.3	1082.0	1061.6
20°	4679.0	4614.9	4332.4	3879.5	2995.6	1855.3	1185.4	991.7	929.1	911.6	905.8
22.5°	4869.8	4770.8	4425.6	3777.6	2372.3	1245.1	937.8	876.7	856.3	846.1	843.2
25°	5035.8	4897.4	4507.2	3463.0	1679.1	940.8	844.6	824.3	798.0	779.1	780.6
27.5°	5191.6	5024.1	4556.7	2944.6	1119.9	803.9	782.0	754.3	706.3	678.6	678.6
30°	5379.5	5193.1	4593.1	2266.0	824.3	710.7	693.2	651.0	585.4	549.0	549.0
32.5°	5662.0	5449.4	4569.8	1590.3	683.0	624.7	584.0	525.7	454.4	419.4	418.0
35°	6094.5	5845.5	4403.8	1042.7	602.9	543.2	477.7	406.3	343.7	314.6	313.1
37.5°	6677.0	6375.6	4031.0	745.6	540.3	467.5	388.8	310.2	263.6	244.7	243.2
40°	7432.8	6991.6	3498.0	604.4	482.0	394.7	300.0	240.3	208.2	193.7	195.1
42.5°	8340.1	7651.3	2858.7	521.3	425.2	324.7	234.5	189.3	168.9	158.7	155.8
45°	9347.8	8302.2	2188.8	464.6	368.4	262.1	183.5	150.0	134.0	128.2	128.2
47.5°	10456.0	8935.7	1601.9	415.0	307.3	202.4	147.1	122.3	109.2	104.9	103.4
50°	11462.3	9375.5	1154.8	362.6	251.9	160.2	119.4	101.9	93.2	87.4	87.4
52.5°	12301.1	9513.8	850.5	305.8	203.9	128.2	99.0	87.4	78.6	74.3	74.3
55°	13039.5	9457.0	632.0	251.9	164.6	104.9	84.5	74.3	67.0	62.6	62.6
57.5°	13747.2	9273.5	471.8	205.3	132.5	84.5	71.4	62.6	55.3	52.4	52.4
60°	14325.4	8967.7	351.0	166.0	106.3	68.4	59.7	51.0	45.1	40.8	40.8
62.5°	14794.3	8629.9	257.8	136.9	84.5	53.9	46.6	42.2	33.5	29.1	29.1
65°	14797.2	8069.2	193.7	113.6	65.5	42.2	35.0	33.5	21.8	17.5	16.0
67.5°	13726.8	6956.6	148.5	97.6	51.0	32.0	26.2	27.7	11.7	7.3	5.8
68°	13338.0	6674.1	139.8	96.1	48.1	30.6	24.8	27.7	10.2	5.8	4.4
70°	11245.3	5309.6	112.1	93.2	42.2	23.3	20.4	27.7	8.7	4.4	2.9
72.5°	7192.5	3081.5	83.0	74.3	32.0	17.5	13.1	24.8	8.7	2.9	1.5
75°	3061.1	955.3	56.8	52.4	18.9	13.1	8.7	16.0	5.8	1.5	0.0
77.5°	645.1	215.5	33.5	32.0	13.1	8.7	5.8	4.4	1.5	0.0	0.0
80°	166.0	62.6	17.5	16.0	7.3	4.4	2.9	0.0	0.0	0.0	0.0
82.5°	52.4	24.8	10.2	7.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.2	14.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.6	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)