

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: P321891

Luminaire Tested: **GAN-SA7C-730-U-T2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7C-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32412 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

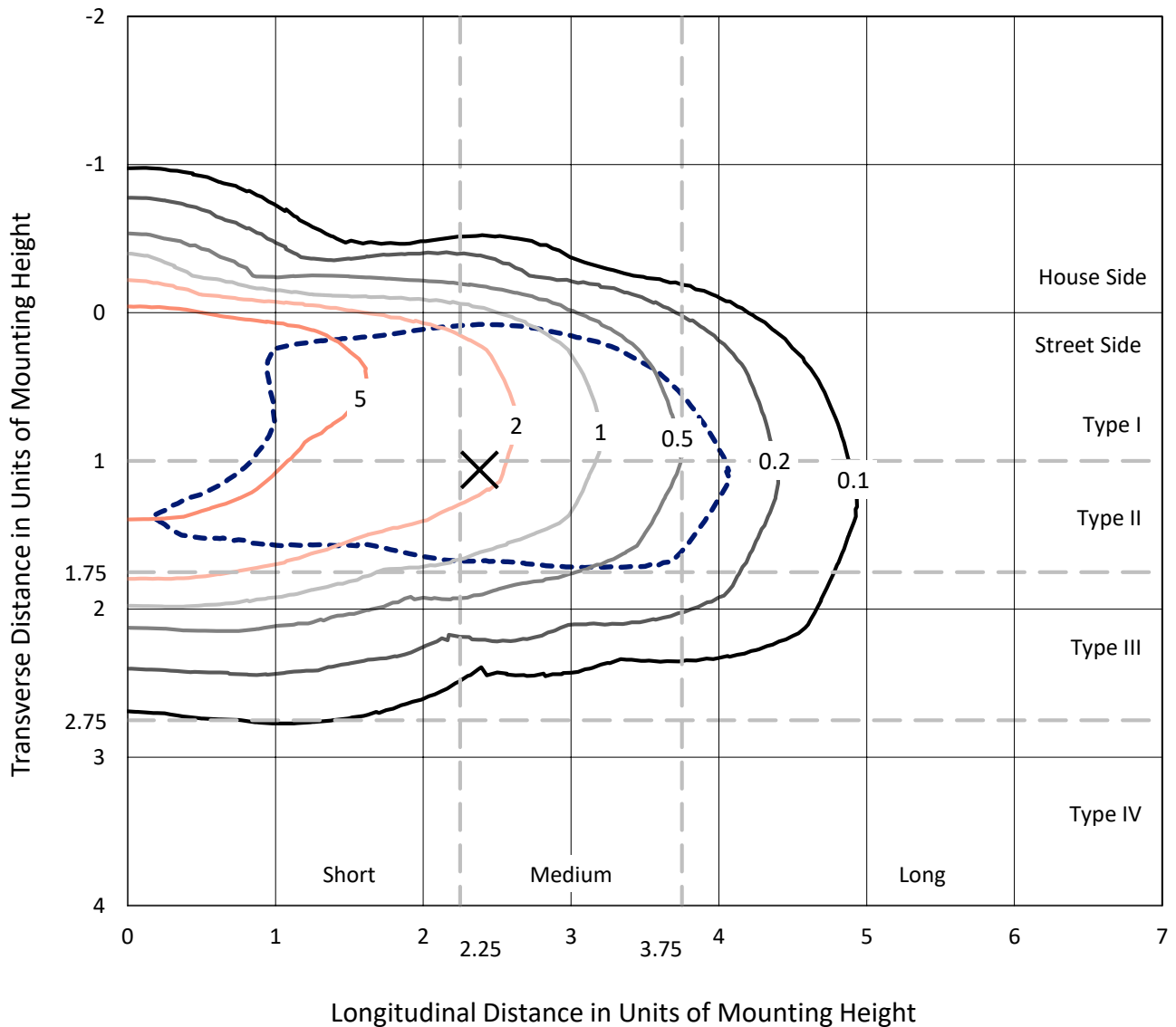
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

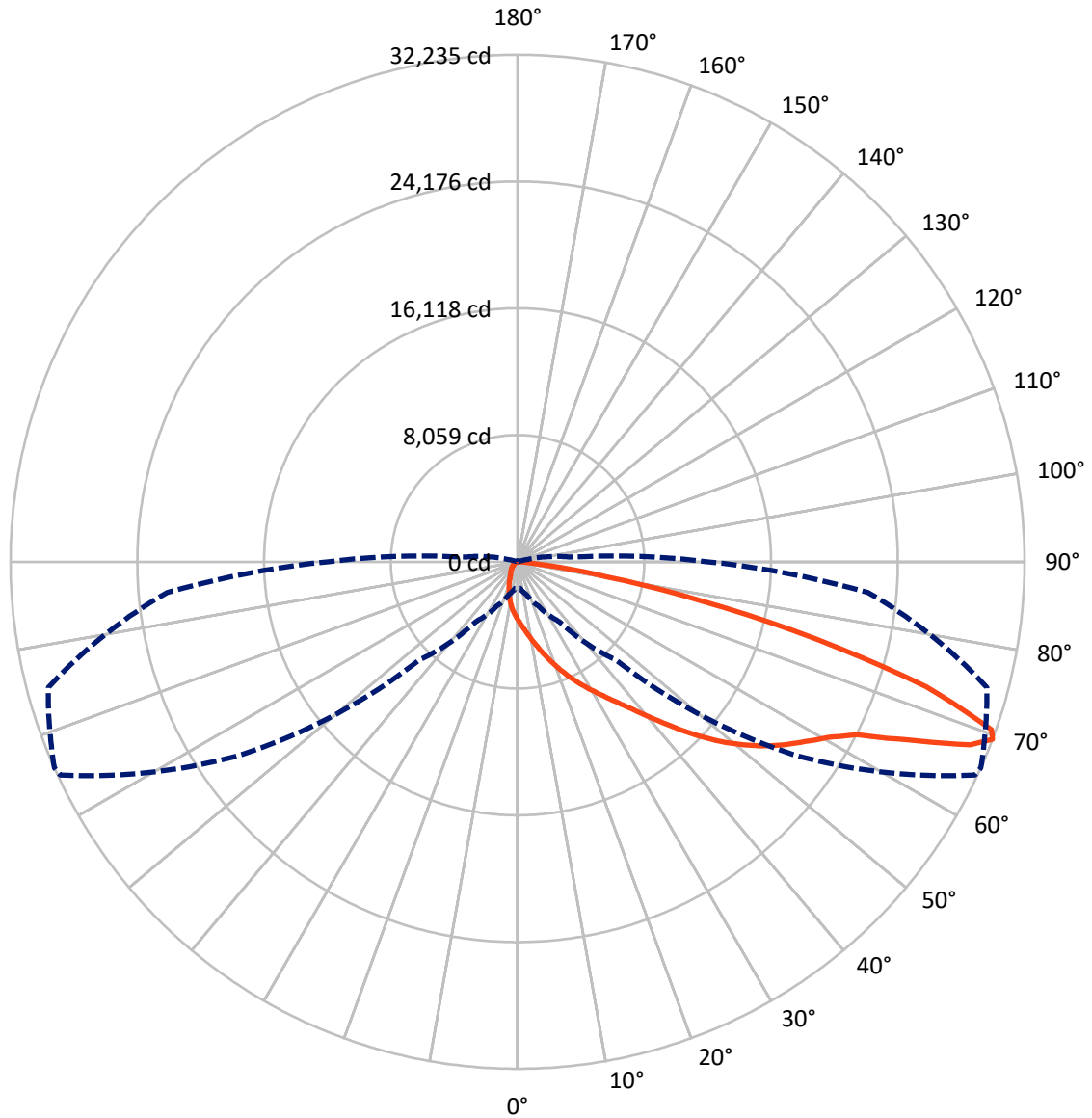
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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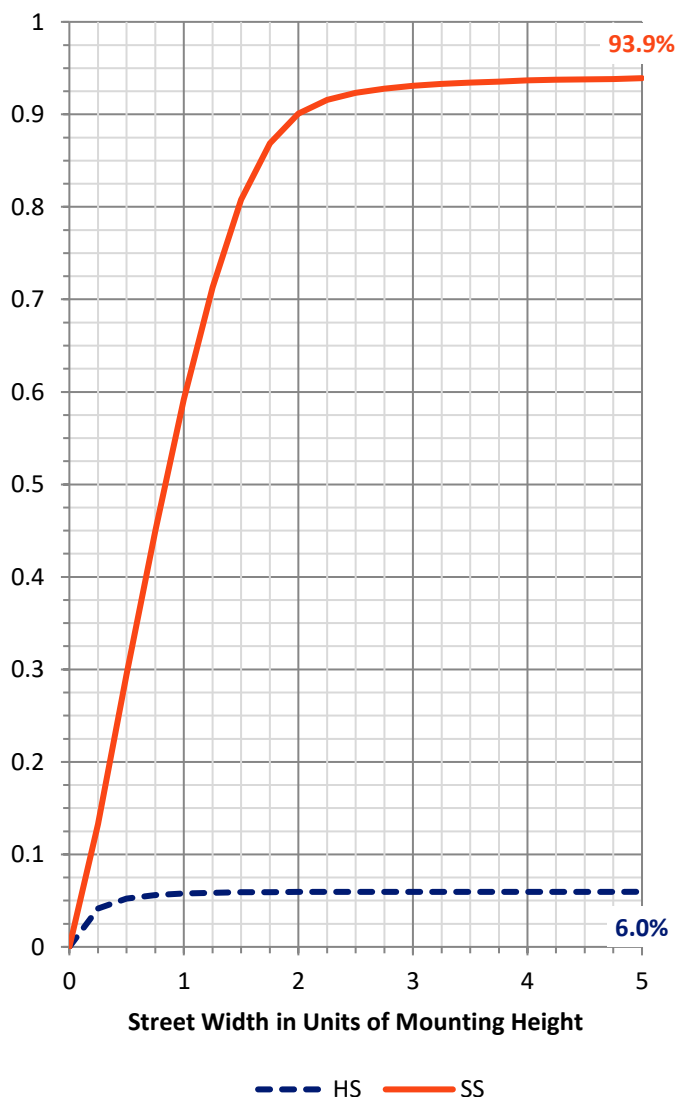
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1944.3	0.0	1944.3
	% Fixture	6.0	0.0	6.0
<b>Street Side</b>	Lumens	30467.7	0.0	30467.7
	% Fixture	94.0	0.0	94.0
<b>Total</b>	Lumens	32412.0	0.0	32412.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.5	1.1
10°-20°	1061.2	3.3
20°-30°	1847.9	5.7
30°-40°	3242.1	10.0
40°-50°	5426.8	16.7
50°-60°	7976.8	24.6
60°-70°	8190.2	25.3
70°-80°	4043.3	12.5
80°-90°	267.3	0.8
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°	32412.0	100.0
0°-180°	32412.0	100.0

**Coefficient of Utilization**

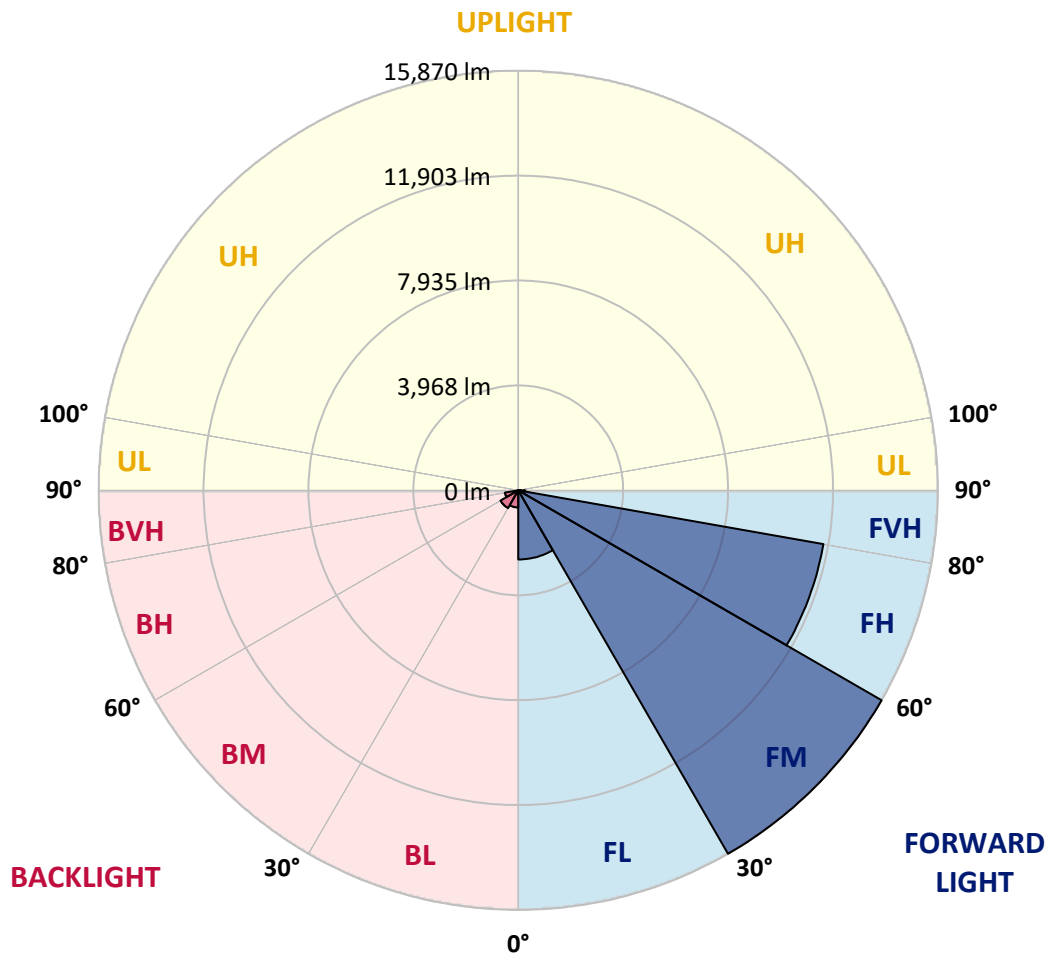


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2615.3	8.1			
FM (30°-60°)	15870.5	49.0			
FH (60°-80°)	11721.1	36.2			G4/12000
FVH (80°-90°)	260.9	0.8			G3/500
BL (0°-30°)	650.2	2.0	B2/1000		
BM (30°-60°)	775.2	2.4	B1/1000		
BH (60°-80°)	512.4	1.6	B2/1000		G2/1000
BVH (80°-90°)	6.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6
2.5°	4341.3	4322.9	4315.2	4281.3	4222.8	4178.1	4091.9	3991.9	3973.4	3876.4	3757.9
5°	4904.8	4889.4	4878.6	4830.9	4770.8	4658.5	4501.4	4315.2	4279.7	4095.0	3857.9
7.5°	5297.3	5325.1	5325.1	5294.3	5218.8	5134.2	4941.7	4687.7	4643.1	4359.8	3991.9
10°	5526.7	5560.6	5586.8	5612.9	5602.2	5568.3	5386.6	5100.3	5046.4	4670.8	4147.4
12.5°	5548.3	5582.1	5656.0	5765.3	5871.6	5948.5	5834.6	5557.5	5495.9	5031.0	4332.1
15°	5428.2	5463.6	5577.5	5790.0	6047.1	6271.8	6308.8	6064.0	6000.9	5460.5	4563.0
17.5°	5218.8	5241.9	5405.1	5699.1	6102.5	6515.1	6738.3	6607.4	6548.9	5951.6	4820.1
20°	5063.3	5080.3	5223.4	5539.0	6068.6	6667.5	7144.7	7184.7	7123.2	6478.1	5098.8
22.5°	5329.7	5360.5	5365.1	5514.4	5976.3	6742.9	7501.9	7752.8	7706.6	7037.0	5372.8
25°	6057.8	6093.3	5976.3	5883.9	6054.8	6776.8	7808.2	8334.7	8297.8	7638.9	5648.3
27.5°	7020.0	7057.0	6906.1	6630.5	6465.8	6904.6	8080.7	8925.9	8924.4	8276.2	5945.5
30°	7965.3	8002.2	7848.3	7572.7	7194.0	7266.3	8316.3	9544.8	9554.0	8933.6	6261.1
32.5°	8956.7	9002.9	8844.3	8490.2	8094.6	7891.4	8647.2	10166.7	10219.1	9695.6	6616.7
35°	10083.6	10089.7	9866.5	9495.5	9039.8	8727.3	9178.4	10864.1	10988.8	10639.3	7067.7
37.5°	11188.9	11233.6	11050.4	10465.4	10046.6	9692.6	9968.1	11735.4	11912.5	11792.4	7657.4
40°	12007.9	12101.8	12075.7	11444.5	11047.3	10794.8	10948.8	12771.5	12996.3	13134.8	8400.9
42.5°	12522.1	12592.9	12713.0	12332.8	11972.5	12014.1	12106.5	13978.5	14255.6	14665.1	9255.3
45°	13111.7	13145.6	13245.7	13077.9	12834.6	13253.4	13335.0	15337.8	15628.8	16310.8	10203.7
47.5°	13832.2	13912.3	13940.0	13786.0	13675.2	14349.5	14518.8	16574.0	16982.0	18073.5	11207.4
50°	14749.7	14771.3	14819.0	14719.0	14608.1	15291.6	15581.1	17871.8	18242.8	19842.3	12197.3
52.5°	15647.3	15724.2	15890.5	15827.4	15782.7	16093.7	16527.8	19041.8	19455.9	21317.2	13185.6
55°	15905.9	15972.1	16546.3	16938.9	17302.2	17082.0	17433.1	20090.2	20538.2	22634.9	14137.0
57.5°	14872.9	15006.8	16001.3	17023.5	18530.7	18618.4	18676.9	21166.3	21568.1	23644.8	15126.9
60°	12261.9	12288.1	13920.0	15673.4	18327.5	19959.3	20493.5	22322.4	22659.6	24585.5	16312.3
62.5°	7799.0	8065.3	9855.7	12331.2	16178.4	19765.4	22690.4	24071.3	24194.4	25713.9	18011.9
65°	3714.8	3887.2	5177.3	7618.9	11718.5	17282.2	24206.8	27234.9	27290.3	27950.8	20282.6
67.5°	2056.7	2139.9	2754.1	4101.2	6850.7	12221.9	23594.0	30982.0	31034.3	30235.4	22274.7
69°	1608.8	1679.6	2163.0	3091.3	4644.6	8784.3	21351.0	32079.6	32235.1	30889.6	22345.5
70°	1365.5	1434.8	1862.8	2611.0	3734.8	6787.6	19004.9	31807.2	31971.9	30828.1	21817.5
72.5°	835.9	876.0	1240.8	1838.1	2503.2	3414.6	11720.0	26899.3	27177.9	28278.7	18750.8
75°	563.4	585.0	775.9	1268.5	1790.4	1758.1	6088.6	18960.2	19563.7	21997.6	13849.1
77.5°	403.3	423.4	520.3	820.5	1254.7	1160.8	2757.2	11783.2	11912.5	13193.3	7552.7
80°	229.4	247.9	367.9	488.0	851.3	774.4	1096.1	5628.3	5693.0	5657.6	2521.7
82.5°	120.1	135.5	201.7	321.8	546.5	506.5	455.7	1884.3	1893.6	1574.9	552.7
85°	23.1	27.7	100.1	220.1	281.7	220.1	186.3	441.8	451.1	398.7	137.0
87.5°	0.0	1.5	40.0	49.3	55.4	57.0	60.0	86.2	92.4	124.7	36.9
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°	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6	3688.6
2.5°	3705.5	3650.1	3543.9	3420.7	3325.3	3231.4	3157.5	3080.5	3052.8	3038.9	3037.4
5°	3742.5	3625.5	3400.7	3169.8	2980.4	2801.9	2674.1	2552.5	2495.5	2469.3	2458.5
7.5°	3804.1	3616.2	3254.5	2901.9	2629.4	2406.2	2229.2	2096.8	2030.6	2002.9	1992.1
10°	3876.4	3603.9	3083.6	2618.7	2270.7	2039.8	1864.3	1733.5	1661.1	1630.3	1614.9
12.5°	3961.1	3582.4	2886.5	2332.3	1964.4	1733.5	1521.0	1359.4	1276.2	1240.8	1223.9
15°	4065.8	3560.8	2680.2	2062.9	1695.0	1413.2	1180.8	1071.5	1054.5	1048.4	1049.9
17.5°	4168.9	3526.9	2455.5	1796.6	1411.7	1103.8	985.3	979.1	982.2	982.2	982.2
20°	4261.3	3450.0	2210.7	1568.7	1142.3	931.4	906.8	896.0	888.3	882.1	874.4
22.5°	4333.6	3346.8	1975.2	1342.4	932.9	852.9	814.4	780.5	752.8	734.3	725.1
25°	4382.9	3209.8	1759.6	1125.4	839.0	775.9	706.6	649.7	606.6	580.4	569.6
27.5°	4419.8	3062.0	1567.2	942.2	774.4	686.6	595.8	528.0	483.4	460.3	451.1
30°	4446.0	2894.2	1397.8	828.2	702.0	592.7	495.7	429.5	397.2	384.9	378.7
32.5°	4470.6	2707.9	1237.7	774.4	634.3	506.5	415.7	364.9	344.8	329.4	324.8
35°	4532.2	2535.5	1085.3	717.4	565.0	432.6	357.2	320.2	300.2	291.0	287.9
37.5°	4678.5	2407.7	939.1	658.9	495.7	374.1	312.5	286.3	267.9	258.6	255.6
40°	4914.0	2343.1	815.9	595.8	428.0	329.4	283.3	258.6	238.6	224.8	221.7
42.5°	5260.4	2352.3	729.7	532.7	374.1	294.0	255.6	226.3	204.8	192.4	189.4
45°	5680.7	2420.1	669.7	471.1	329.4	266.3	224.8	194.0	174.0	163.2	160.1
47.5°	6136.4	2529.4	620.4	415.7	294.0	240.2	194.0	161.6	144.7	135.5	133.9
50°	6616.7	2635.6	569.6	361.8	263.3	214.0	163.2	133.9	120.1	112.4	109.3
52.5°	7103.2	2758.7	523.4	312.5	237.1	183.2	135.5	109.3	98.5	92.4	89.3
55°	7626.6	2851.1	478.8	274.0	210.9	155.5	112.4	90.8	81.6	73.9	72.4
57.5°	8242.4	2994.3	432.6	237.1	180.1	129.3	92.4	72.4	64.7	57.0	55.4
60°	9073.7	3162.1	383.3	209.4	147.8	106.2	75.4	58.5	49.3	43.1	41.6
62.5°	10169.8	3348.4	321.8	183.2	120.1	86.2	60.0	46.2	35.4	27.7	27.7
65°	11559.9	3651.6	263.3	153.9	98.5	70.8	46.2	33.9	20.0	12.3	12.3
67.5°	12371.2	3704.0	212.4	126.2	80.1	60.0	38.5	23.1	6.2	1.5	0.0
69°	12111.1	3400.7	180.1	107.8	69.3	57.0	35.4	16.9	3.1	0.0	0.0
70°	11621.5	3109.7	158.6	95.4	63.1	53.9	33.9	12.3	3.1	0.0	0.0
72.5°	9603.3	2213.8	120.1	70.8	46.2	47.7	30.8	7.7	3.1	0.0	0.0
75°	6995.4	1345.5	86.2	49.3	29.3	35.4	21.6	3.1	1.5	0.0	0.0
77.5°	3891.8	634.3	53.9	27.7	18.5	21.6	10.8	0.0	0.0	0.0	0.0
80°	1263.9	172.4	24.6	15.4	10.8	12.3	4.6	0.0	0.0	0.0	0.0
82.5°	234.0	49.3	13.9	7.7	3.1	3.1	0.0	0.0	0.0	0.0	0.0
85°	50.8	20.0	7.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	6.2	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)