

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: P321940

Luminaire Tested: **GAN-SA6D-740-U-T2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321940  
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-SA6D-740-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA 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: 33014 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

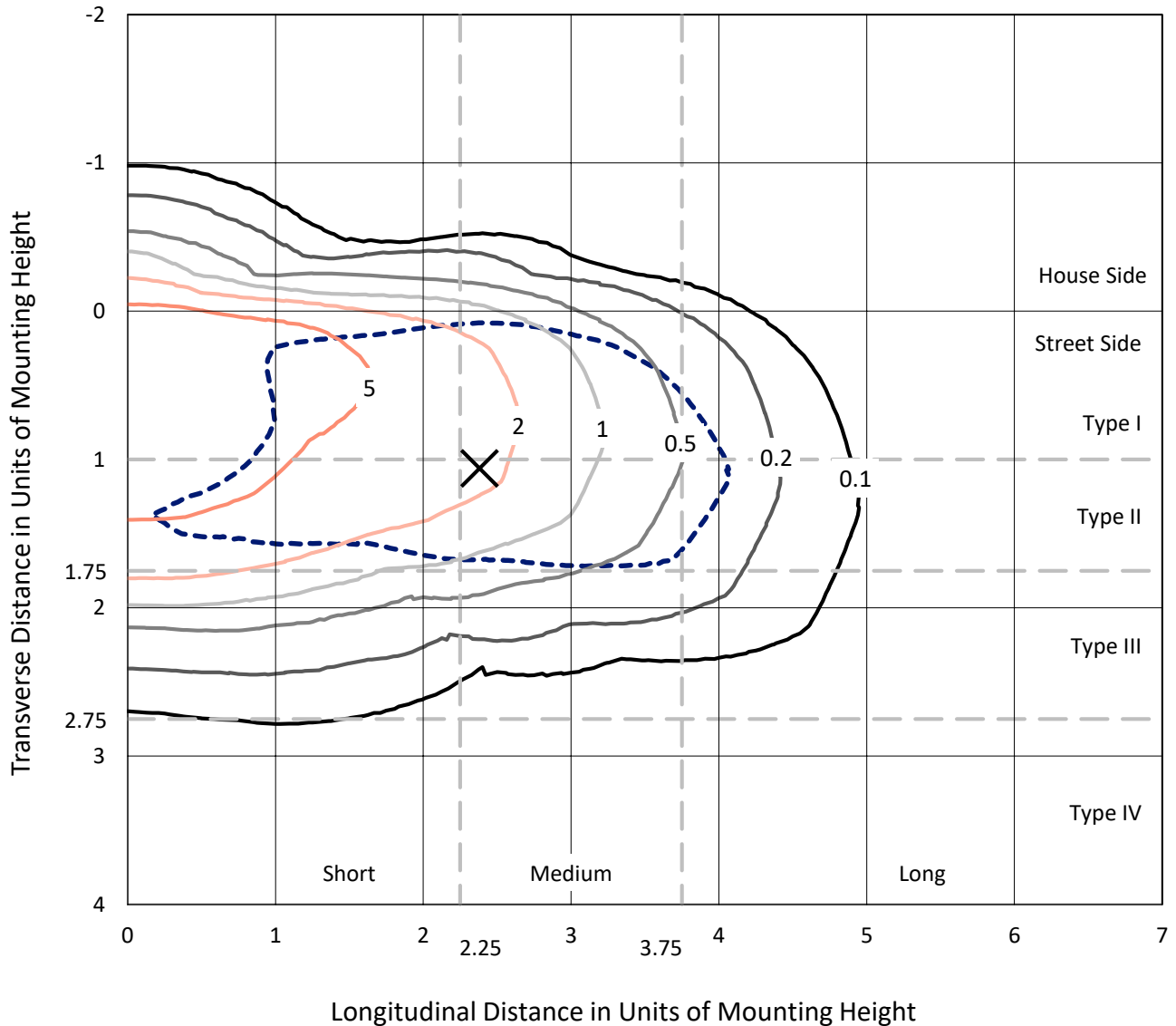
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

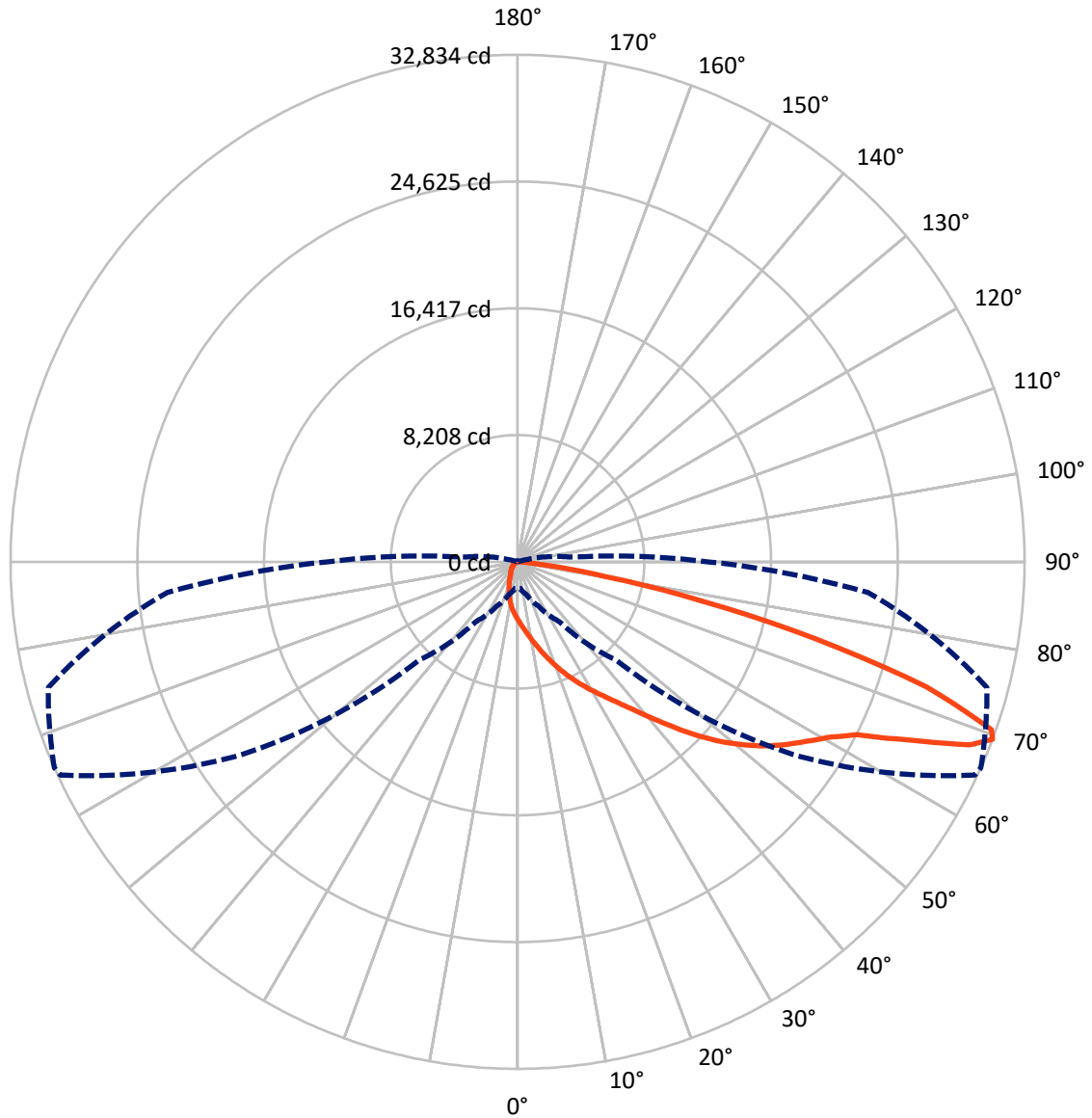
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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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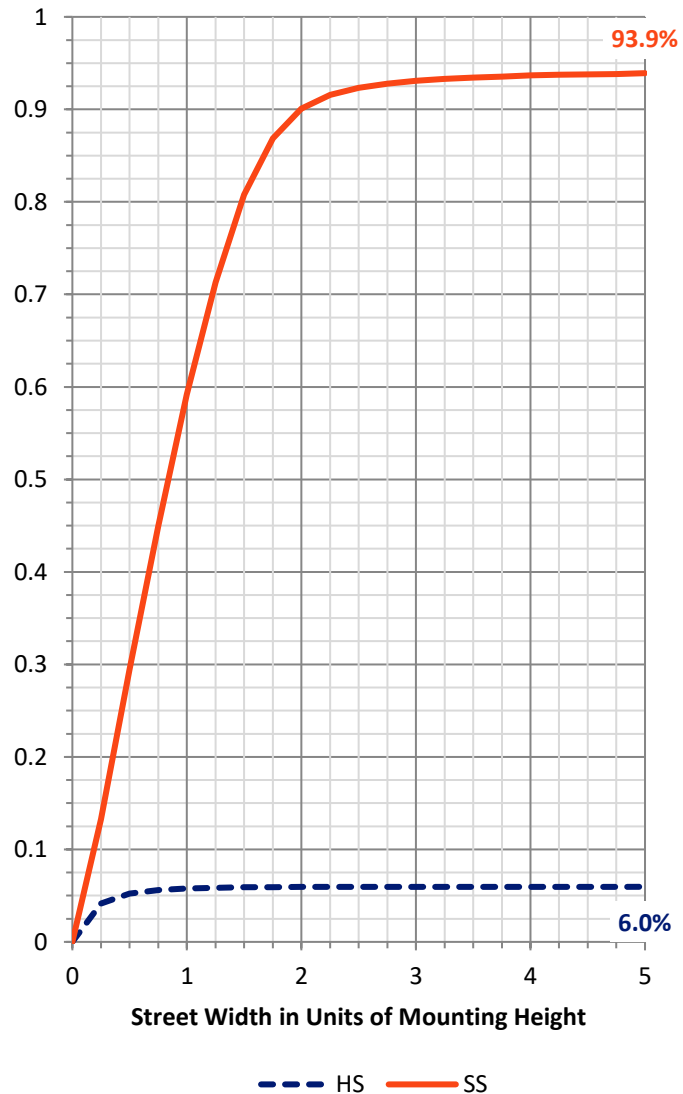
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1980.4	0.0	1980.4
	% Fixture	6.0	0.0	6.0
<b>Street Side</b>	Lumens	31033.6	0.0	31033.6
	% Fixture	94.0	0.0	94.0
<b>Total</b>	Lumens	33014.0	0.0	33014.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.2	1.1
10°-20°	1080.9	3.3
20°-30°	1882.2	5.7
30°-40°	3302.3	10.0
40°-50°	5527.5	16.7
50°-60°	8125.0	24.6
60°-70°	8342.3	25.3
70°-80°	4118.4	12.5
80°-90°	272.3	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°	33014.0	100.0
0°-180°	33014.0	100.0

**Coefficient of Utilization**

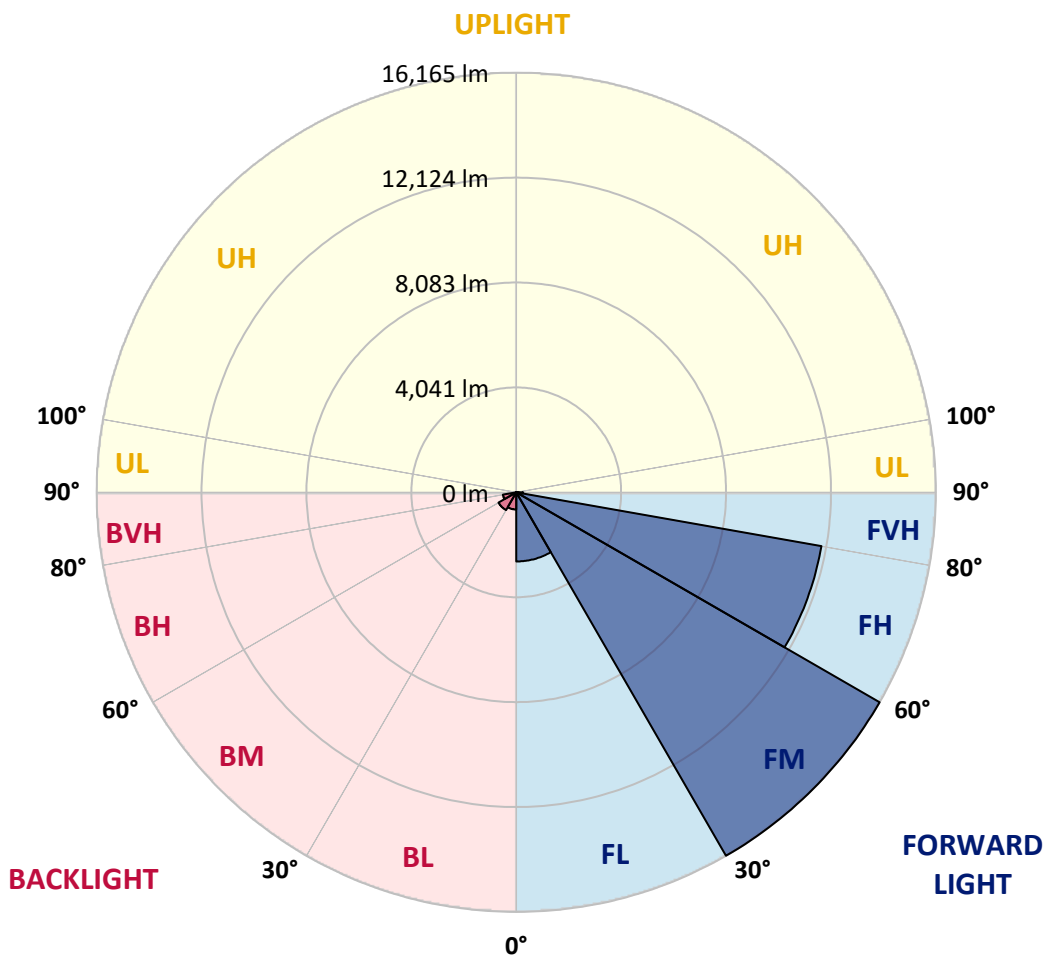


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2663.9	8.1			
FM (30°-60°)	16165.2	49.0			
FH (60°-80°)	11938.8	36.2			G4/12000
FVH (80°-90°)	265.7	0.8			G3/500
BL (0°-30°)	662.3	2.0	B2/1000		
BM (30°-60°)	789.6	2.4	B1/1000		
BH (60°-80°)	521.9	1.6	B2/1000		G2/1000
BVH (80°-90°)	6.6	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°	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1
2.5°	4422.0	4403.1	4395.3	4360.8	4301.2	4255.7	4167.9	4066.0	4047.2	3948.4	3827.7
5°	4995.9	4980.2	4969.2	4920.6	4859.5	4745.0	4585.0	4395.3	4359.2	4171.1	3929.6
7.5°	5395.7	5424.0	5424.0	5392.6	5315.8	5229.5	5033.5	4774.8	4729.3	4440.8	4066.0
10°	5629.4	5663.9	5690.5	5717.2	5706.2	5671.7	5486.7	5195.0	5140.1	4757.5	4224.4
12.5°	5651.3	5685.8	5761.1	5872.4	5980.6	6059.0	5943.0	5660.7	5598.0	5124.5	4412.6
15°	5529.0	5565.1	5681.1	5897.5	6159.4	6388.3	6426.0	6176.6	6112.3	5561.9	4647.8
17.5°	5315.8	5339.3	5505.5	5805.0	6215.8	6636.1	6863.4	6730.2	6670.6	6062.2	4909.6
20°	5157.4	5174.6	5320.5	5641.9	6181.3	6791.3	7277.4	7318.2	7255.5	6598.4	5193.5
22.5°	5428.7	5460.0	5464.7	5616.8	6087.3	6868.2	7641.2	7896.8	7849.8	7167.7	5472.6
25°	6170.4	6206.4	6087.3	5993.2	6167.2	6902.7	7953.3	8489.5	8451.9	7780.8	5753.3
27.5°	7150.4	7188.0	7034.4	6753.7	6585.9	7032.8	8230.8	9091.7	9090.1	8430.0	6055.9
30°	8113.2	8150.8	7994.0	7713.3	7327.6	7401.3	8470.7	9722.0	9731.5	9099.5	6377.3
32.5°	9123.0	9170.1	9008.6	8647.9	8244.9	8037.9	8807.9	10355.5	10408.9	9875.7	6739.6
35°	10270.9	10277.1	10049.8	9671.9	9207.7	8889.4	9348.8	11065.9	11192.9	10836.9	7199.0
37.5°	11396.7	11442.2	11255.6	10659.7	10233.2	9872.6	10153.3	11953.4	12133.7	12011.4	7799.6
40°	12231.0	12326.6	12300.0	11657.0	11252.5	10995.3	11152.1	13008.7	13237.7	13378.8	8557.0
42.5°	12754.7	12826.8	12949.1	12561.8	12194.9	12237.2	12331.3	14238.1	14520.3	14937.4	9427.2
45°	13355.3	13389.8	13491.7	13320.8	13073.0	13499.5	13582.6	15622.7	15919.1	16613.7	10393.2
47.5°	14089.1	14170.7	14198.9	14042.1	13929.2	14616.0	14788.5	16881.9	17297.4	18409.2	11415.6
50°	15023.7	15045.6	15094.3	14992.3	14879.4	15575.7	15870.5	18203.7	18581.6	20210.9	12423.8
52.5°	15937.9	16016.3	16185.6	16121.3	16075.9	16392.6	16834.8	19395.5	19817.3	21713.1	13430.5
55°	16201.3	16268.7	16853.6	17253.5	17623.6	17399.3	17756.8	20463.3	20919.6	23055.4	14399.6
57.5°	15149.1	15285.6	16298.5	17339.7	18874.9	18964.3	19023.8	21559.4	21968.7	24084.0	15407.9
60°	12489.7	12516.3	14178.5	15964.5	18667.9	20330.0	20874.2	22737.0	23080.4	25042.1	16615.3
62.5°	7943.8	8215.1	10038.8	12560.3	16478.9	20132.5	23111.8	24518.4	24643.8	26191.5	18346.4
65°	3783.8	3959.4	5273.4	7760.4	11936.2	17603.2	24656.4	27740.8	27797.2	28469.9	20659.3
67.5°	2094.9	2179.6	2805.3	4177.3	6977.9	12448.9	24032.3	31557.4	31610.8	30796.9	22688.4
69°	1638.6	1710.8	2203.1	3148.7	4730.9	8947.4	21747.6	32675.5	32833.8	31463.4	22760.6
70°	1390.9	1461.4	1897.4	2659.4	3804.1	6913.6	19357.8	32397.9	32565.7	31400.6	22222.7
72.5°	851.5	892.2	1263.9	1872.3	2549.7	3478.0	11937.7	27398.9	27682.7	28803.9	19099.1
75°	573.9	595.9	790.3	1292.1	1823.7	1790.7	6201.7	19312.4	19927.1	22406.2	14106.4
77.5°	410.8	431.2	530.0	835.8	1278.0	1182.3	2808.4	12002.0	12133.7	13438.4	7693.0
80°	233.6	252.5	374.8	497.1	867.1	788.7	1116.5	5732.9	5798.7	5762.7	2568.5
82.5°	122.3	138.0	205.4	327.7	556.7	515.9	464.1	1919.3	1928.7	1604.1	562.9
85°	23.5	28.2	101.9	224.2	287.0	224.2	189.7	450.0	459.4	406.1	139.6
87.5°	0.0	1.6	40.8	50.2	56.5	58.0	61.2	87.8	94.1	127.0	37.6
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°	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1	3757.1
2.5°	3774.3	3717.9	3609.7	3484.3	3387.0	3291.4	3216.1	3137.7	3109.5	3095.4	3093.8
5°	3812.0	3692.8	3463.9	3228.7	3035.8	2853.9	2723.7	2599.9	2541.8	2515.2	2504.2
7.5°	3874.7	3683.4	3314.9	2955.8	2678.3	2450.9	2270.6	2135.7	2068.3	2040.1	2029.1
10°	3948.4	3670.9	3140.8	2667.3	2312.9	2077.7	1898.9	1765.6	1691.9	1660.6	1644.9
12.5°	4034.6	3648.9	2940.1	2375.6	2000.9	1765.6	1549.3	1384.6	1299.9	1263.9	1246.6
15°	4141.3	3626.9	2730.0	2101.2	1726.4	1439.5	1202.7	1091.4	1074.1	1067.9	1069.4
17.5°	4246.3	3592.5	2501.1	1829.9	1437.9	1124.3	1003.6	997.3	1000.4	1000.4	1000.4
20°	4340.4	3514.0	2251.8	1597.9	1163.5	948.7	923.6	912.6	904.8	898.5	890.7
22.5°	4414.1	3409.0	2011.8	1367.4	950.3	868.7	829.5	795.0	766.8	748.0	738.6
25°	4464.3	3269.4	1792.3	1146.3	854.6	790.3	719.7	661.7	617.8	591.2	580.2
27.5°	4501.9	3118.9	1596.3	959.7	788.7	699.4	606.8	537.8	492.4	468.9	459.4
30°	4528.6	2948.0	1423.8	843.6	715.0	603.7	504.9	437.5	404.6	392.0	385.7
32.5°	4553.7	2758.2	1260.7	788.7	646.0	515.9	423.4	371.6	351.2	335.6	330.9
35°	4616.4	2582.6	1105.5	730.7	575.5	440.6	363.8	326.2	305.8	296.4	293.2
37.5°	4765.4	2452.5	956.5	671.1	504.9	381.0	318.3	291.7	272.8	263.4	260.3
40°	5005.3	2386.6	831.1	606.8	435.9	335.6	288.5	263.4	243.1	228.9	225.8
42.5°	5358.1	2396.0	743.3	542.6	381.0	299.5	260.3	230.5	208.6	196.0	192.9
45°	5786.2	2465.0	682.1	479.8	335.6	271.3	228.9	197.6	177.2	166.2	163.1
47.5°	6250.3	2576.3	631.9	423.4	299.5	244.6	197.6	164.6	147.4	138.0	136.4
50°	6739.6	2684.5	580.2	368.5	268.1	218.0	166.2	136.4	122.3	114.5	111.3
52.5°	7235.1	2810.0	533.1	318.3	241.5	186.6	138.0	111.3	100.4	94.1	90.9
55°	7768.2	2904.1	487.7	279.1	214.8	158.4	114.5	92.5	83.1	75.3	73.7
57.5°	8395.5	3049.9	440.6	241.5	183.5	131.7	94.1	73.7	65.9	58.0	56.5
60°	9242.2	3220.8	390.4	213.3	150.5	108.2	76.8	59.6	50.2	43.9	42.3
62.5°	10358.7	3410.6	327.7	186.6	122.3	87.8	61.2	47.0	36.1	28.2	28.2
65°	11774.6	3719.5	268.1	156.8	100.4	72.1	47.0	34.5	20.4	12.5	12.5
67.5°	12601.0	3772.8	216.4	128.6	81.5	61.2	39.2	23.5	6.3	1.6	0.0
69°	12336.0	3463.9	183.5	109.8	70.6	58.0	36.1	17.2	3.1	0.0	0.0
70°	11837.4	3167.5	161.5	97.2	64.3	54.9	34.5	12.5	3.1	0.0	0.0
72.5°	9781.6	2254.9	122.3	72.1	47.0	48.6	31.4	7.8	3.1	0.0	0.0
75°	7125.3	1370.5	87.8	50.2	29.8	36.1	22.0	3.1	1.6	0.0	0.0
77.5°	3964.1	646.0	54.9	28.2	18.8	22.0	11.0	0.0	0.0	0.0	0.0
80°	1287.4	175.6	25.1	15.7	11.0	12.5	4.7	0.0	0.0	0.0	0.0
82.5°	238.3	50.2	14.1	7.8	3.1	3.1	0.0	0.0	0.0	0.0	0.0
85°	51.7	20.4	7.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.2	6.3	1.6	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)