

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: P459613

Luminaire Tested: **GAN-SA3A-AMB-U-SL3**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-AMB-U-SL3
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(3) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3389 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

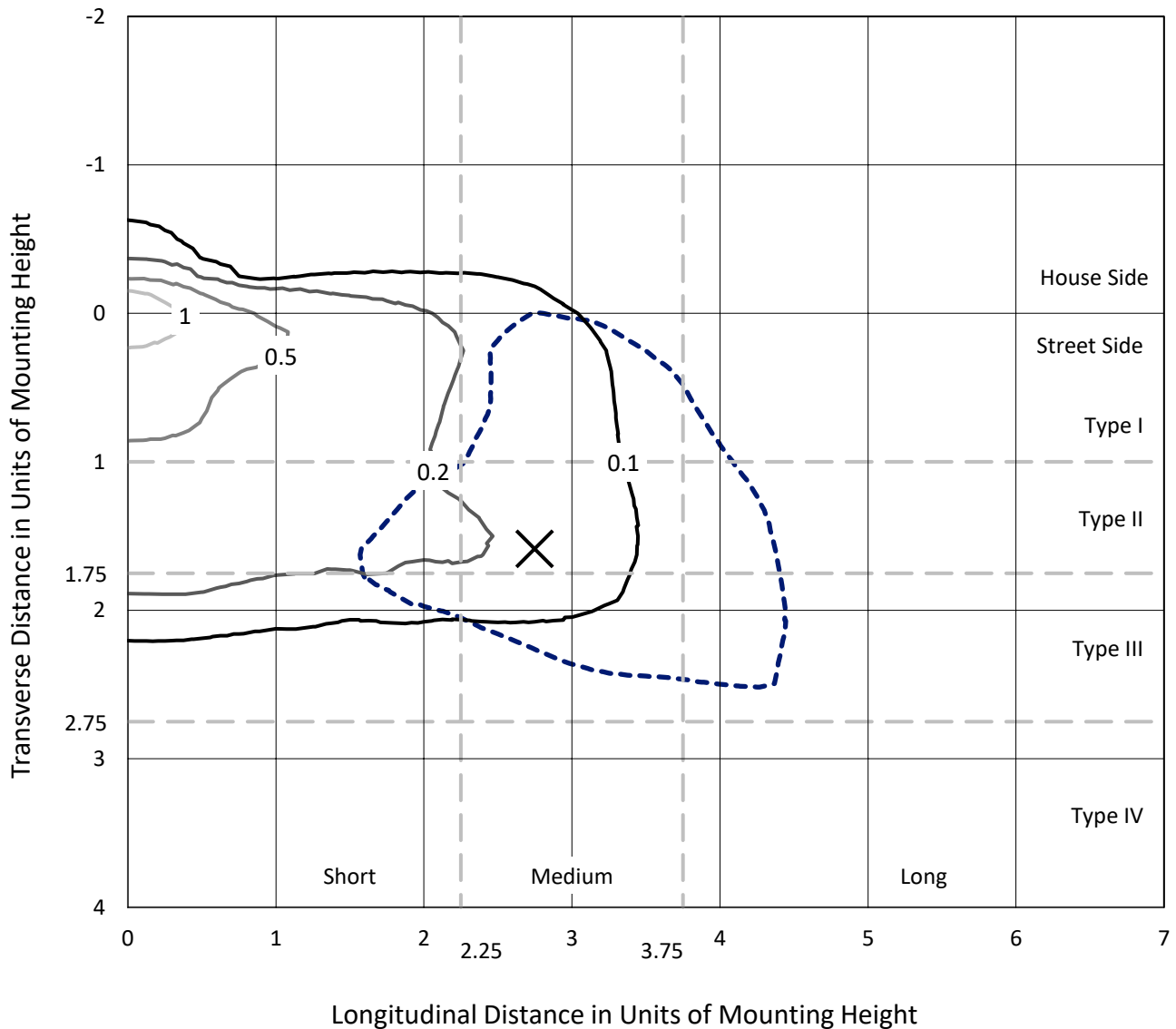
Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

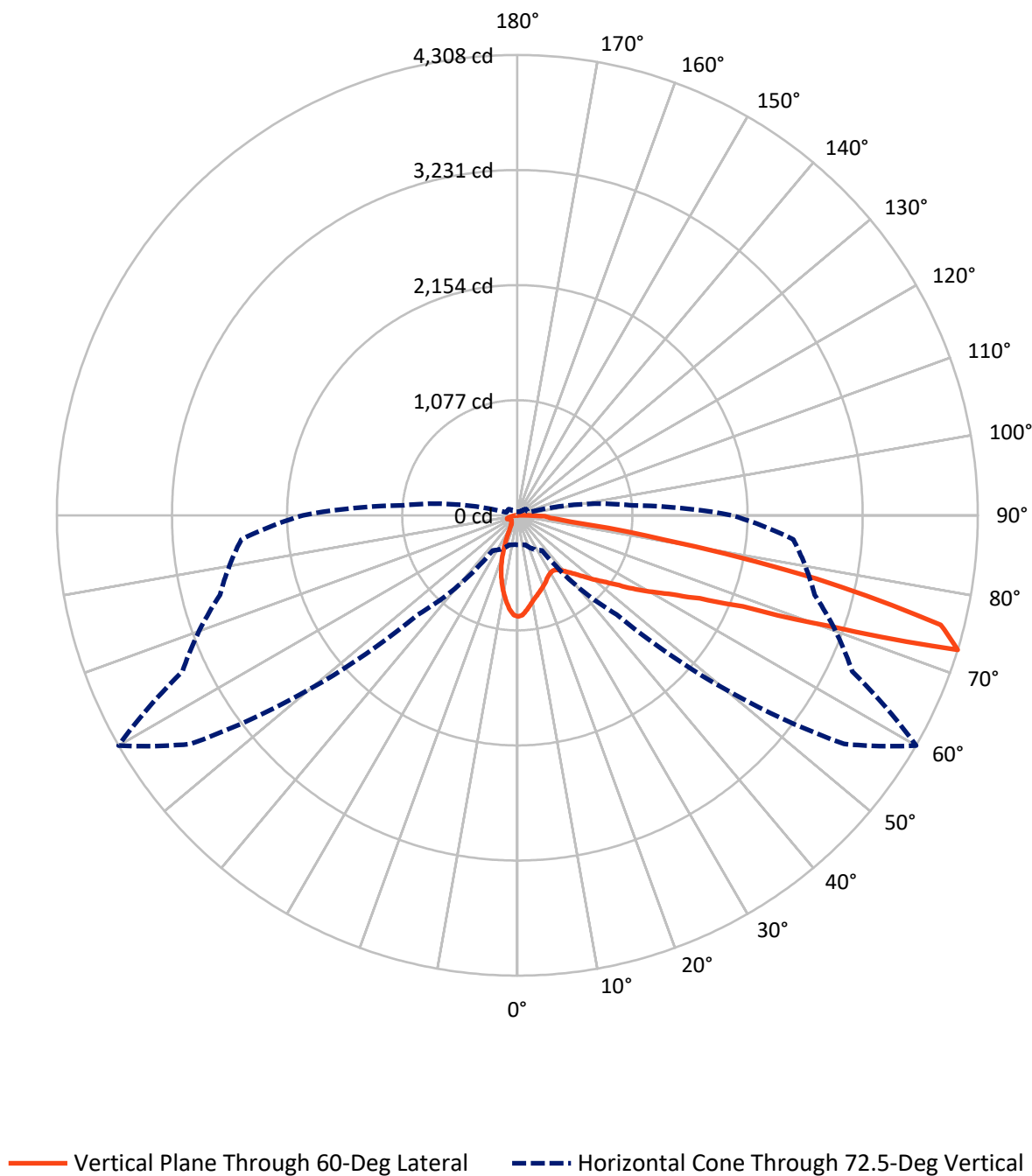
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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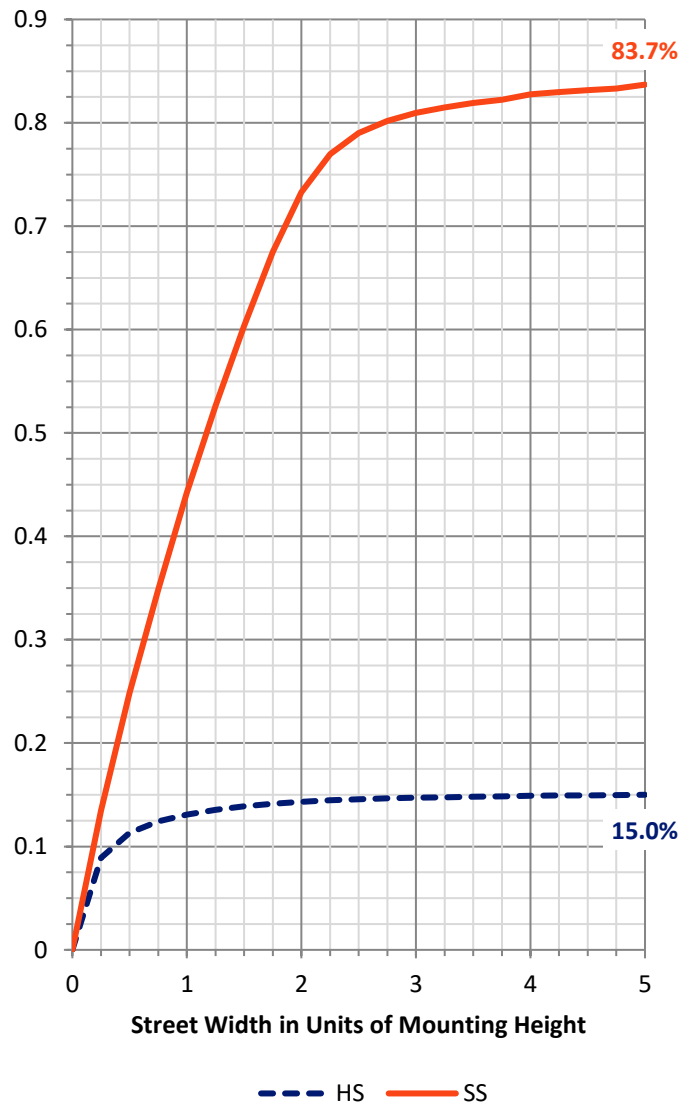
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	514.9	0.0	514.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2874.1	0.0	2874.1
	% Fixture	84.8	0.0	84.8
Total	Lumens	3389.0	0.0	3389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	2.3
10°-20°	168.8	5.0
20°-30°	208.7	6.2
30°-40°	263.8	7.8
40°-50°	374.7	11.1
50°-60°	571.3	16.9
60°-70°	861.7	25.4
70°-80°	758.0	22.4
80°-90°	102.4	3.0
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°	3389.0	100.0
0°-180°	3389.0	100.0

Coefficient of Utilization



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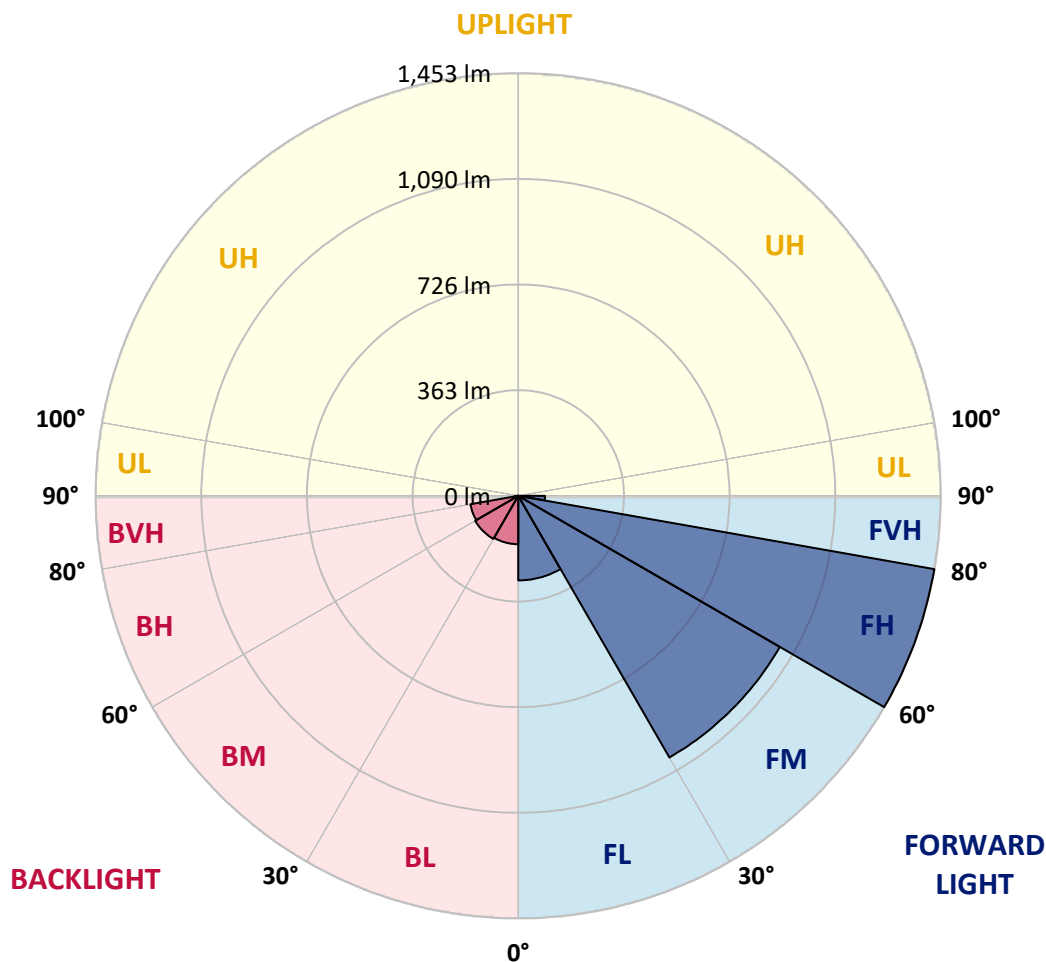
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.7	8.6			
FM	(30°-60°)	1038.7	30.6			
FH	(60°-80°)	1452.9	42.9			G1/1800
FVH	(80°-90°)	91.7	2.7			G1/100
BL	(0°-30°)	166.3	4.9	B1/500		
BM	(30°-60°)	171.1	5.0	B0/220		
BH	(60°-80°)	166.8	4.9	B1/500		G1/500
BVH	(80°-90°)	10.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	921.3	921.3	921.3	927.1	928.5	928.5	934.3	934.3	932.9	938.7	937.2
5°	864.8	867.7	867.7	870.6	879.3	883.6	892.3	893.8	898.1	906.8	912.6
7.5°	795.3	799.6	806.8	818.4	827.1	834.4	850.3	850.3	857.5	870.6	880.7
10°	730.1	731.5	737.3	750.4	767.7	786.6	805.4	811.2	819.9	835.8	851.8
12.5°	685.2	688.1	691.0	702.5	721.4	740.2	769.2	780.8	790.9	809.7	831.5
15°	637.4	638.8	646.1	660.5	683.7	704.0	737.3	753.2	769.2	793.8	817.0
17.5°	605.5	604.0	609.8	620.0	644.6	672.1	708.3	727.2	746.0	779.3	803.9
20°	588.1	589.6	589.6	592.5	608.4	635.9	677.9	702.5	727.2	770.6	796.7
22.5°	583.8	583.8	579.4	578.0	585.2	608.4	650.4	677.9	706.9	769.2	792.4
25°	583.8	583.8	579.4	573.6	573.6	586.7	624.3	650.4	685.2	770.6	786.6
27.5°	593.9	593.9	588.1	579.4	572.2	575.1	604.0	631.6	670.7	773.5	782.2
30°	609.8	608.4	604.0	596.8	582.3	572.2	593.9	618.5	656.2	780.8	779.3
32.5°	625.8	627.2	624.3	618.5	602.6	580.9	592.5	615.6	653.3	790.9	779.3
35°	650.4	651.8	651.8	646.1	633.0	602.6	606.9	627.2	662.0	806.8	785.1
37.5°	677.9	677.9	682.3	682.3	666.3	633.0	634.5	650.4	679.4	828.6	799.6
40°	705.4	705.4	712.7	722.8	709.8	675.0	676.5	688.1	714.1	859.0	828.6
42.5°	740.2	737.3	753.2	766.3	760.5	728.6	721.4	735.9	754.7	901.0	872.0
45°	764.8	764.8	789.5	805.4	818.4	786.6	782.2	793.8	812.6	947.4	932.9
47.5°	793.8	795.3	821.3	854.6	874.9	856.1	850.3	866.2	879.3	1008.2	1009.6
50°	818.4	822.8	857.5	905.3	938.7	940.1	930.0	950.3	950.3	1076.3	1099.5
52.5°	851.8	859.0	903.9	956.0	1011.1	1029.9	1032.8	1038.6	1040.1	1160.3	1199.4
55°	935.8	944.5	982.1	1025.6	1090.8	1134.2	1164.6	1154.5	1142.9	1251.6	1303.7
57.5°	1085.0	1077.7	1092.2	1102.3	1166.1	1237.1	1312.4	1308.0	1273.3	1357.3	1415.2
60°	1213.9	1216.8	1235.6	1211.0	1253.0	1364.5	1452.9	1454.3	1395.0	1470.3	1518.1
62.5°	1225.5	1244.3	1324.0	1379.0	1442.8	1512.3	1647.0	1628.2	1551.4	1580.4	1638.3
65°	998.1	1022.7	1153.0	1332.7	1661.5	1957.0	1884.6	1875.9	1742.6	1733.9	1807.8
67.5°	514.2	533.1	602.6	934.3	1494.9	2416.2	2464.0	2277.1	2006.2	1968.6	2058.4
70°	352.0	353.4	353.4	425.9	730.1	2214.8	3505.5	3110.0	2530.6	2359.7	2472.7
72.5°	275.2	275.2	285.4	347.7	401.2	1313.8	3731.5	4308.0	3456.3	2879.7	2591.5
75°	205.7	207.1	226.0	289.7	391.1	392.6	3121.6	4092.2	3903.9	2840.6	2013.5
77.5°	156.4	153.5	178.2	239.0	381.0	357.8	1684.7	2859.4	2763.8	1930.9	730.1
80°	98.5	102.8	120.2	199.9	365.0	357.8	589.6	1395.0	1116.8	462.1	123.1
82.5°	56.5	59.4	75.3	124.6	327.4	356.3	367.9	505.5	276.7	114.4	57.9
85°	33.3	33.3	47.8	78.2	237.6	352.0	357.8	304.2	153.5	59.4	30.4
87.5°	14.5	17.4	27.5	37.7	107.2	297.0	324.5	257.8	111.5	33.3	15.9
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°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	935.8	935.8	932.9	932.9	934.3	927.1	925.6	921.3	924.2	922.7	916.9
5°	911.1	909.7	906.8	890.9	882.2	860.4	860.4	847.4	843.1	843.1	834.4
7.5°	880.7	876.4	857.5	831.5	806.8	783.7	761.9	746.0	734.4	724.3	725.7
10°	851.8	843.1	812.6	767.7	728.6	685.2	651.8	614.2	593.9	564.9	576.5
12.5°	828.6	815.5	766.3	702.5	644.6	580.9	514.2	457.7	411.4	382.4	365.0
15°	809.7	788.0	715.6	635.9	557.7	465.0	375.2	298.4	240.5	223.1	224.5
17.5°	792.4	761.9	670.7	567.8	462.1	349.1	246.3	195.6	176.7	168.0	168.0
20°	776.4	731.5	612.7	492.5	356.3	234.7	176.7	159.3	152.1	147.8	146.3
22.5°	756.1	704.0	556.2	414.3	254.9	169.5	146.3	137.6	136.2	136.2	136.2
25°	740.2	670.7	496.9	317.2	176.7	137.6	126.0	124.6	126.0	127.5	127.5
27.5°	721.4	637.4	437.5	223.1	134.7	115.9	111.5	114.4	117.3	120.2	120.2
30°	704.0	605.5	373.7	156.4	111.5	101.4	101.4	104.3	108.6	111.5	111.5
32.5°	692.4	582.3	298.4	123.1	98.5	92.7	94.2	95.6	100.0	101.4	101.4
35°	683.7	559.1	224.5	104.3	89.8	86.9	88.4	89.8	91.3	92.7	92.7
37.5°	685.2	546.1	160.8	92.7	84.0	82.6	84.0	84.0	84.0	85.5	85.5
40°	702.5	540.3	127.5	85.5	81.1	79.7	79.7	78.2	78.2	79.7	79.7
42.5°	728.6	541.8	113.0	82.6	78.2	76.8	75.3	73.9	73.9	73.9	73.9
45°	770.6	556.2	104.3	79.7	76.8	73.9	71.0	69.5	69.5	72.4	72.4
47.5°	832.9	578.0	95.6	78.2	73.9	69.5	68.1	66.6	68.1	69.5	71.0
50°	905.3	596.8	91.3	76.8	73.9	66.6	65.2	63.7	65.2	69.5	69.5
52.5°	989.4	624.3	89.8	76.8	72.4	65.2	62.3	62.3	63.7	68.1	68.1
55°	1083.5	666.3	91.3	76.8	71.0	63.7	60.8	59.4	62.3	65.2	65.2
57.5°	1182.0	722.8	94.2	76.8	68.1	63.7	59.4	56.5	57.9	60.8	60.8
60°	1280.5	799.6	98.5	75.3	66.6	62.3	57.9	53.6	53.6	56.5	56.5
62.5°	1397.9	895.2	113.0	78.2	66.6	59.4	53.6	49.3	49.3	50.7	50.7
65°	1551.4	1034.3	134.7	88.4	72.4	56.5	49.3	44.9	44.9	44.9	44.9
67.5°	1804.9	1255.9	143.4	98.5	82.6	56.5	46.4	42.0	40.6	40.6	39.1
70°	2135.2	1400.8	127.5	102.8	98.5	57.9	43.5	37.7	36.2	36.2	34.8
72.5°	2004.8	1067.6	108.6	100.0	100.0	59.4	42.0	36.2	33.3	31.9	31.9
75°	1377.6	495.4	95.6	92.7	86.9	50.7	39.1	33.3	30.4	27.5	27.5
77.5°	405.6	133.3	79.7	81.1	66.6	42.0	36.2	30.4	27.5	24.6	24.6
80°	95.6	76.8	57.9	59.4	44.9	31.9	29.0	27.5	24.6	21.7	21.7
82.5°	55.0	49.3	40.6	37.7	27.5	21.7	23.2	23.2	21.7	18.8	17.4
85°	27.5	29.0	24.6	21.7	17.4	14.5	14.5	15.9	14.5	11.6	11.6
87.5°	15.9	14.5	15.9	11.6	8.7	7.2	8.7	8.7	8.7	5.8	5.8
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)