

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: P402611

Luminaire Tested: **GAN-AF-06-LED-U-SL3-AMB-HSS**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL3-AMB-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4812 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

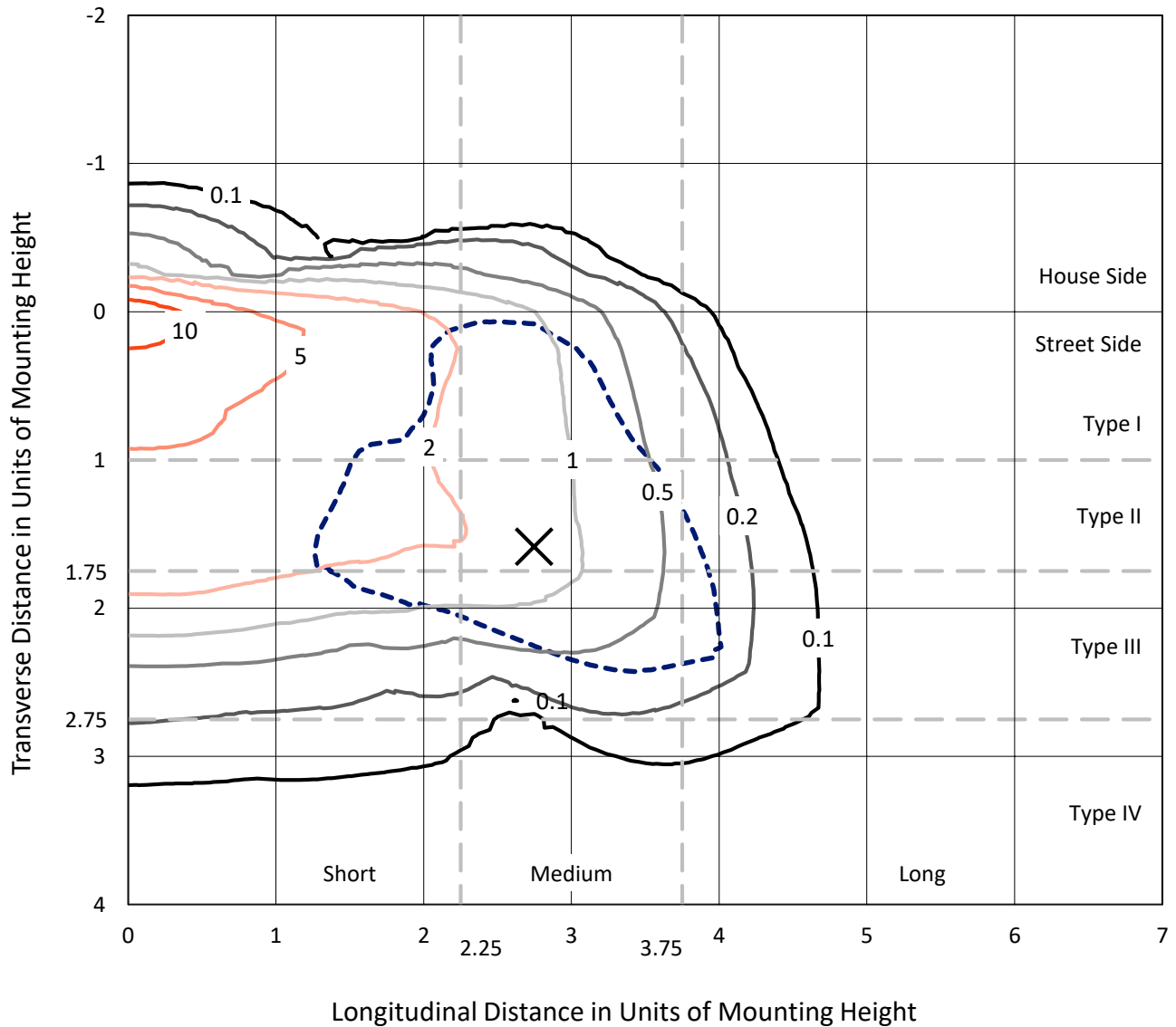
Input Watts (W): 119
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

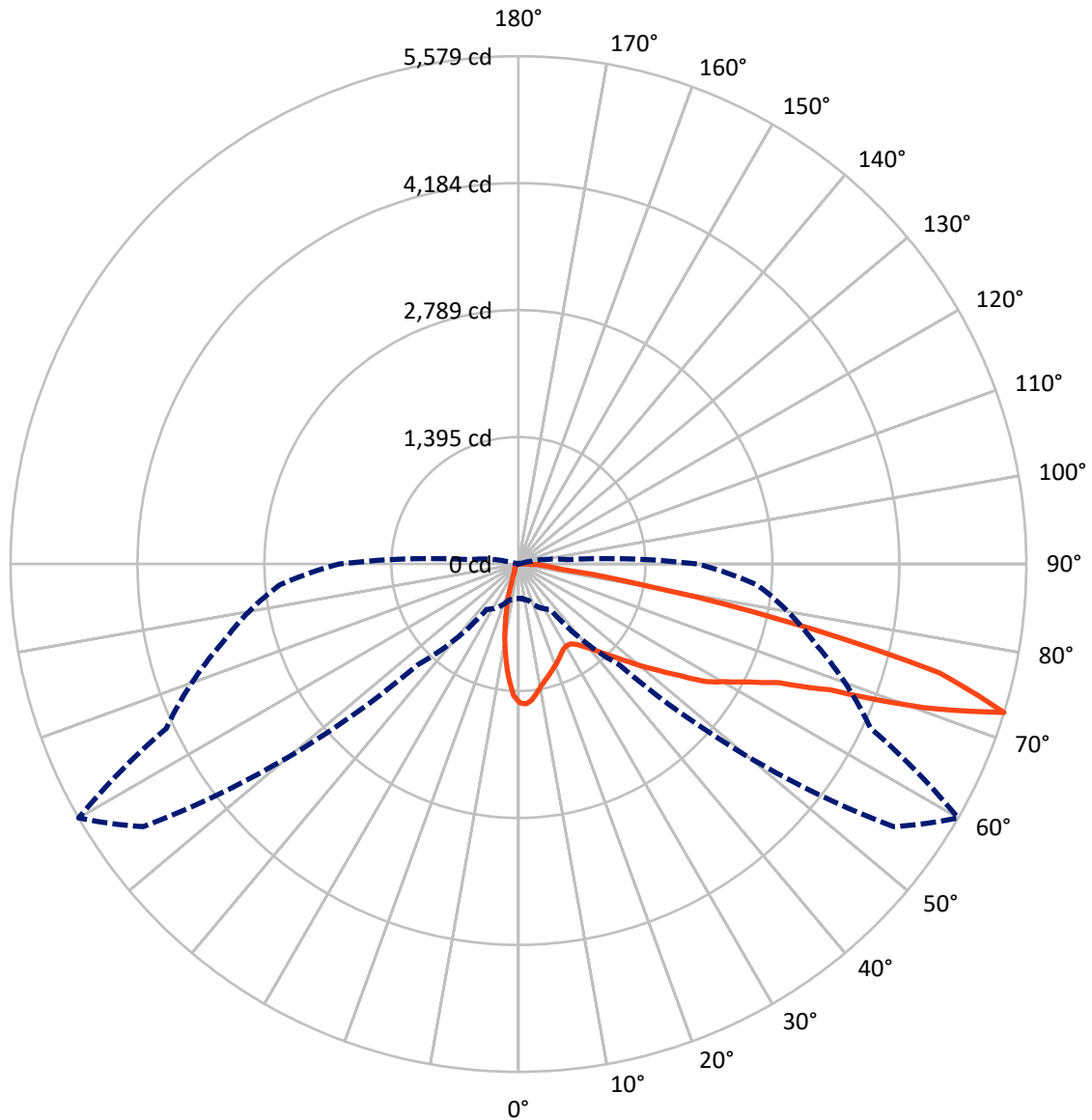
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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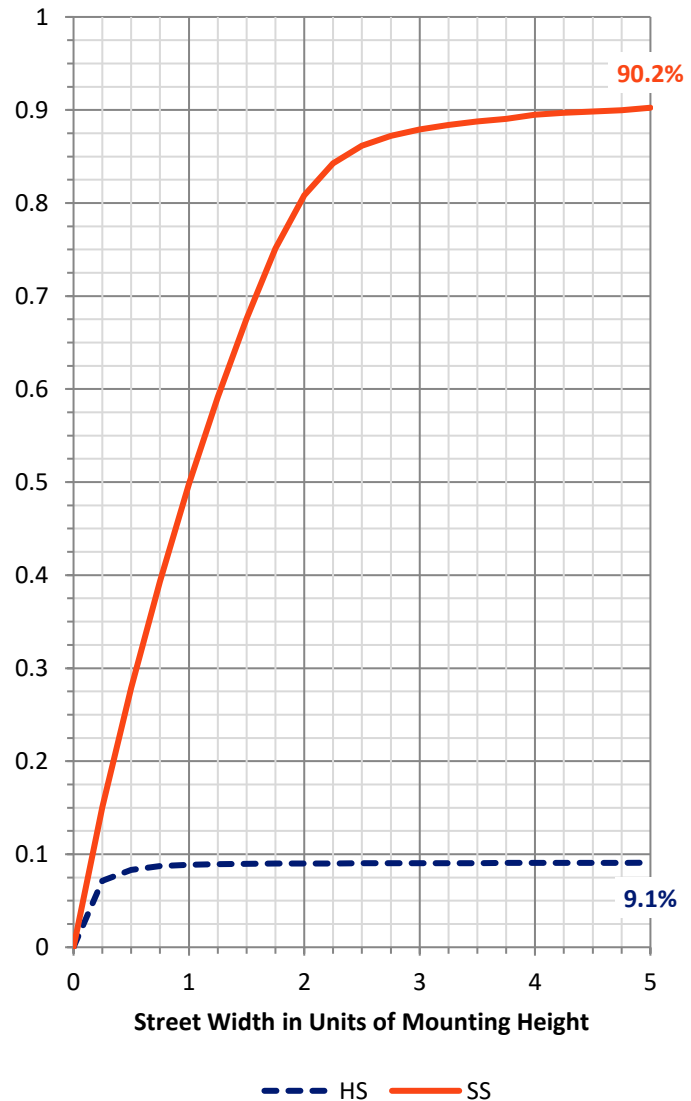
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.8	0.0	441.8
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	4370.3	0.0	4370.3
	% Fixture	90.8	0.0	90.8
Total	Lumens	4812.0	0.0	4812.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	2.5
10°-20°	231.3	4.8
20°-30°	303.5	6.3
30°-40°	409.2	8.5
40°-50°	609.2	12.7
50°-60°	945.1	19.6
60°-70°	1296.4	26.9
70°-80°	817.2	17.0
80°-90°	81.8	1.7
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°	4812.0	100.0
0°-180°	4812.0	100.0



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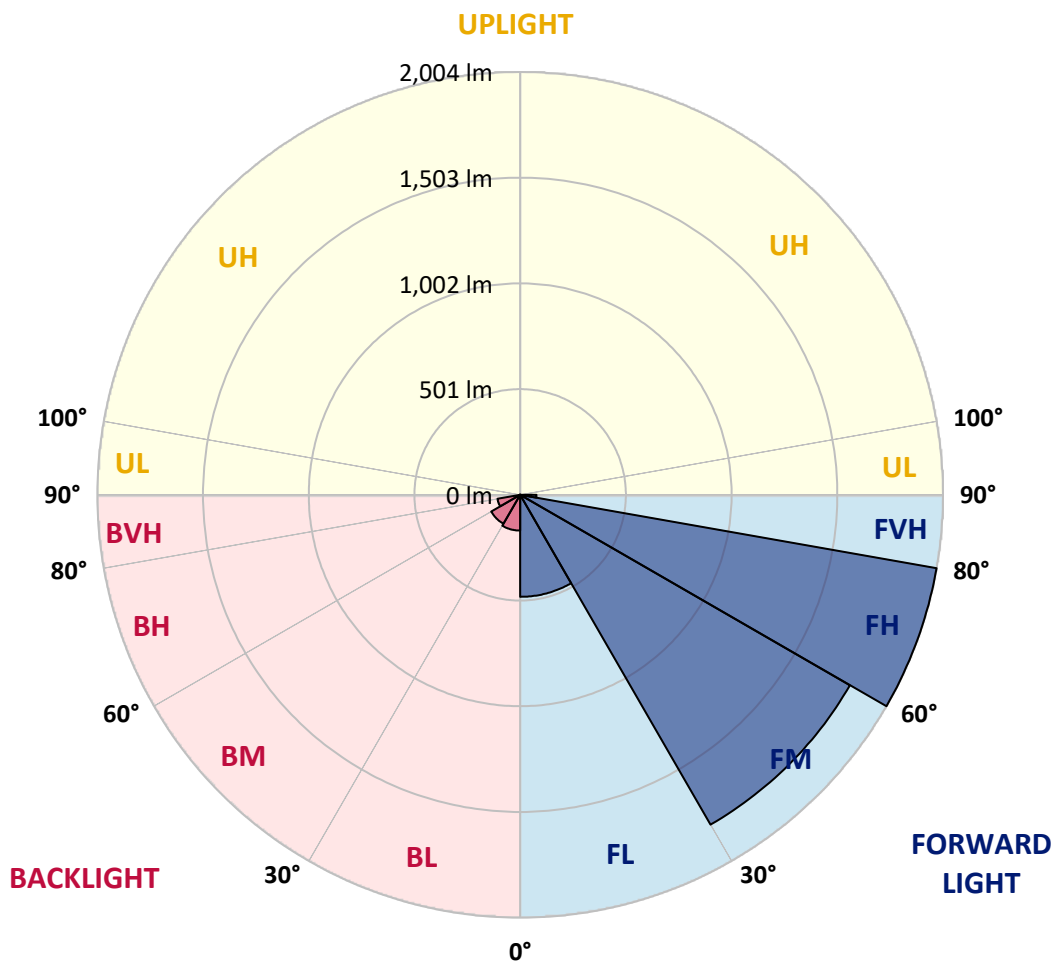
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.5	10.0			
FM	(30°-60°)	1805.0	37.5			
FH	(60°-80°)	2004.3	41.7			G2/5000
FVH	(80°-90°)	77.4	1.6			G1/100
BL	(0°-30°)	169.5	3.5	B1/500		
BM	(30°-60°)	158.6	3.3	B0/220		
BH	(60°-80°)	109.3	2.3	B0/110		G0/110
BVH	(80°-90°)	4.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1547.6	1545.1	1545.1	1547.6	1550.2	1542.5	1542.5	1539.9	1532.1	1529.5	1513.9
5°	1449.1	1456.9	1456.9	1467.3	1477.7	1482.8	1503.6	1503.6	1501.0	1501.0	1477.7
7.5°	1329.9	1329.9	1348.0	1366.2	1392.1	1399.9	1423.2	1433.6	1438.8	1451.7	1431.0
10°	1223.6	1231.4	1234.0	1259.9	1283.2	1311.7	1350.6	1363.6	1376.6	1402.5	1381.7
12.5°	1143.2	1148.4	1156.2	1179.5	1208.0	1239.2	1285.8	1309.2	1322.1	1358.4	1342.9
15°	1060.3	1065.5	1081.0	1101.8	1140.6	1179.5	1231.4	1262.5	1285.8	1327.3	1314.3
17.5°	1005.8	1008.4	1011.0	1029.2	1068.1	1119.9	1184.7	1215.8	1246.9	1298.8	1293.6
20°	979.9	982.5	979.9	990.3	1013.6	1057.7	1135.5	1176.9	1210.6	1285.8	1278.0
22.5°	972.1	974.7	969.5	967.0	977.3	1016.2	1086.2	1132.9	1179.5	1283.2	1272.9
25°	977.3	977.3	969.5	961.8	961.8	982.5	1042.1	1091.4	1148.4	1288.4	1267.7
27.5°	998.1	995.5	987.7	972.1	959.2	967.0	1013.6	1057.7	1119.9	1296.2	1267.7
30°	1024.0	1021.4	1018.8	1005.8	982.5	967.0	1000.7	1042.1	1104.4	1314.3	1270.3
32.5°	1052.5	1055.1	1055.1	1044.7	1018.8	985.1	1008.4	1047.3	1106.9	1340.3	1278.0
35°	1104.4	1099.2	1106.9	1101.8	1073.2	1029.2	1047.3	1081.0	1132.9	1368.8	1296.2
37.5°	1153.6	1153.6	1164.0	1166.6	1140.6	1086.2	1109.5	1143.2	1174.3	1415.4	1329.9
40°	1210.6	1208.0	1223.6	1239.2	1218.4	1171.8	1195.1	1223.6	1252.1	1485.4	1386.9
42.5°	1257.3	1262.5	1285.8	1311.7	1319.5	1254.7	1293.6	1324.7	1337.7	1563.2	1472.5
45°	1301.4	1309.2	1353.2	1394.7	1420.6	1368.8	1412.8	1446.5	1459.5	1661.7	1576.2
47.5°	1348.0	1358.4	1412.8	1477.7	1524.3	1498.4	1547.6	1589.1	1596.9	1783.6	1731.7
50°	1397.3	1407.7	1469.9	1558.0	1635.8	1651.3	1713.6	1762.8	1755.0	1905.4	1889.8
52.5°	1459.5	1472.5	1558.0	1656.5	1762.8	1809.5	1905.4	1949.5	1926.1	2063.5	2035.0
55°	1622.8	1628.0	1687.6	1788.7	1897.6	1990.9	2130.9	2169.8	2110.2	2180.2	2182.8
57.5°	1900.2	1900.2	1913.2	1944.3	2045.4	2182.8	2405.7	2439.4	2328.0	2299.4	2312.4
60°	2066.1	2092.0	2146.5	2206.1	2252.8	2390.2	2623.5	2623.5	2465.4	2423.9	2429.1
62.5°	2024.6	2045.4	2206.1	2340.9	2550.9	2727.2	2859.4	2854.2	2620.9	2540.5	2576.8
65°	1482.8	1519.1	1726.5	2149.1	2667.6	3193.8	3253.4	3139.4	2812.7	2716.8	2864.6
67.5°	795.9	824.4	998.1	1376.6	2105.0	3512.7	4062.3	3689.0	3157.5	3077.2	3157.5
70°	523.7	518.5	531.4	676.6	1151.0	2911.2	5145.9	4720.7	3730.4	3364.9	3160.1
72.5°	378.5	378.5	412.2	523.7	609.2	1563.2	5029.2	5578.8	4267.1	3372.7	2633.9
75°	254.1	259.2	313.7	422.6	567.7	513.3	3911.9	4780.3	4194.5	2532.8	1374.0
77.5°	132.2	140.0	207.4	334.4	521.1	458.9	2190.6	2960.5	2465.4	1164.0	305.9
80°	59.6	62.2	90.7	251.5	477.0	425.1	715.5	1319.5	780.3	140.0	51.8
82.5°	28.5	28.5	38.9	124.4	394.0	365.5	440.7	469.2	184.1	44.1	36.3
85°	10.4	10.4	20.7	70.0	233.3	220.4	375.9	313.7	103.7	28.5	25.9
87.5°	5.2	5.2	7.8	20.7	62.2	178.9	259.2	207.4	44.1	10.4	10.4
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°	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1506.2	1498.4	1477.7	1459.5	1436.2	1405.1	1399.9	1368.8	1342.9	1340.3	1332.5
5°	1464.7	1441.4	1389.5	1314.3	1244.3	1187.3	1125.1	1086.2	1065.5	1042.1	1057.7
7.5°	1407.7	1368.8	1265.1	1148.4	1034.4	935.8	839.9	769.9	741.4	699.9	707.7
10°	1348.0	1293.6	1143.2	967.0	819.2	674.0	549.6	445.9	391.4	373.3	373.3
12.5°	1306.6	1228.8	1018.8	798.5	604.0	417.4	303.3	220.4	165.9	147.8	147.8
15°	1265.1	1169.2	904.7	637.7	399.2	241.1	145.2	124.4	121.8	121.8	121.8
17.5°	1228.8	1099.2	785.5	487.4	261.8	134.8	119.2	116.7	114.1	114.1	114.1
20°	1192.5	1037.0	684.4	350.0	145.2	114.1	108.9	108.9	108.9	108.9	106.3
22.5°	1158.8	982.5	575.5	241.1	111.5	103.7	101.1	101.1	101.1	98.5	98.5
25°	1132.9	933.3	477.0	153.0	98.5	95.9	93.3	90.7	88.1	88.1	88.1
27.5°	1106.9	886.6	373.3	106.3	90.7	85.5	83.0	80.4	75.2	75.2	72.6
30°	1088.8	839.9	298.1	90.7	83.0	77.8	72.6	67.4	62.2	59.6	59.6
32.5°	1078.4	803.6	222.9	83.0	75.2	67.4	62.2	57.0	51.8	46.7	46.7
35°	1070.7	767.3	153.0	75.2	67.4	59.6	54.4	46.7	38.9	36.3	36.3
37.5°	1083.6	741.4	103.7	70.0	62.2	54.4	44.1	38.9	33.7	31.1	31.1
40°	1112.1	720.7	83.0	64.8	57.0	46.7	38.9	31.1	25.9	23.3	23.3
42.5°	1161.4	712.9	72.6	62.2	51.8	41.5	31.1	25.9	23.3	20.7	20.7
45°	1252.1	710.3	67.4	57.0	46.7	33.7	25.9	20.7	18.1	15.6	15.6
47.5°	1353.2	715.5	64.8	54.4	41.5	31.1	23.3	18.1	15.6	13.0	13.0
50°	1477.7	736.2	59.6	49.3	38.9	25.9	18.1	15.6	10.4	10.4	10.4
52.5°	1596.9	757.0	57.0	46.7	33.7	23.3	15.6	10.4	10.4	7.8	7.8
55°	1713.6	803.6	51.8	46.7	31.1	18.1	13.0	10.4	7.8	5.2	5.2
57.5°	1830.2	837.3	49.3	41.5	25.9	15.6	10.4	7.8	5.2	5.2	5.2
60°	1949.5	868.4	44.1	36.3	20.7	13.0	7.8	5.2	5.2	5.2	5.2
62.5°	2099.8	920.3	38.9	31.1	18.1	10.4	7.8	5.2	2.6	2.6	2.6
65°	2382.4	1008.4	33.7	25.9	13.0	10.4	7.8	5.2	2.6	2.6	2.6
67.5°	2563.9	995.5	28.5	20.7	13.0	7.8	5.2	5.2	2.6	2.6	2.6
70°	2527.6	899.6	23.3	18.1	10.4	7.8	5.2	5.2	2.6	2.6	2.6
72.5°	1965.0	547.0	20.7	15.6	10.4	7.8	5.2	5.2	2.6	2.6	2.6
75°	897.0	121.8	18.1	13.0	7.8	7.8	5.2	5.2	2.6	2.6	2.6
77.5°	158.1	31.1	15.6	10.4	10.4	7.8	7.8	5.2	2.6	2.6	2.6
80°	41.5	20.7	15.6	10.4	10.4	13.0	10.4	7.8	2.6	2.6	2.6
82.5°	28.5	15.6	15.6	13.0	13.0	15.6	13.0	7.8	2.6	2.6	2.6
85°	20.7	13.0	15.6	15.6	10.4	13.0	13.0	7.8	2.6	2.6	2.6
87.5°	10.4	5.2	5.2	5.2	5.2	7.8	7.8	2.6	2.6	2.6	2.6
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)