

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: P318046

Luminaire Tested: **GAN-SA2C-730-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-730-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12933 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

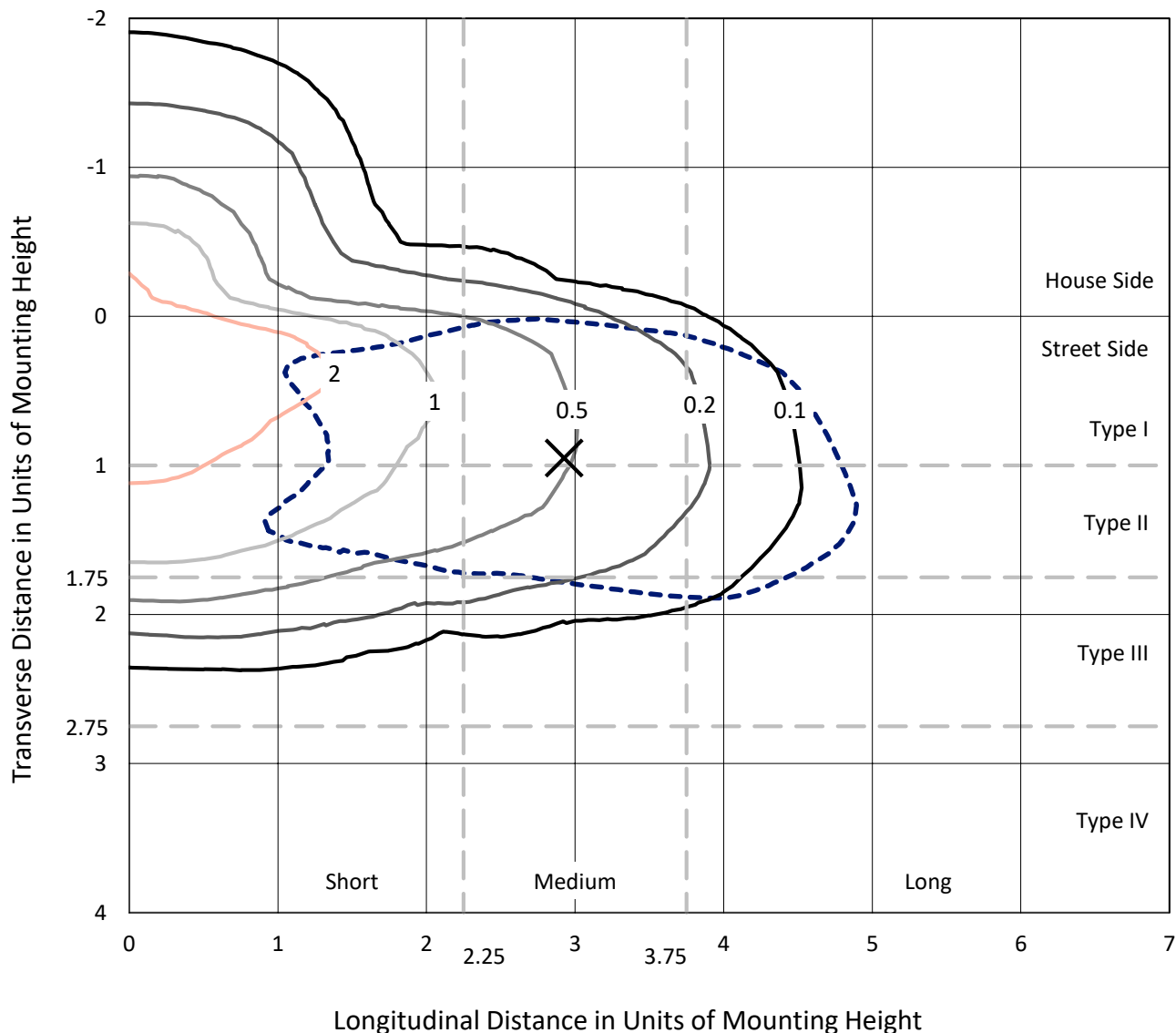
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318046  
 CATALOG NUMBER: GAN-SA2C-730-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

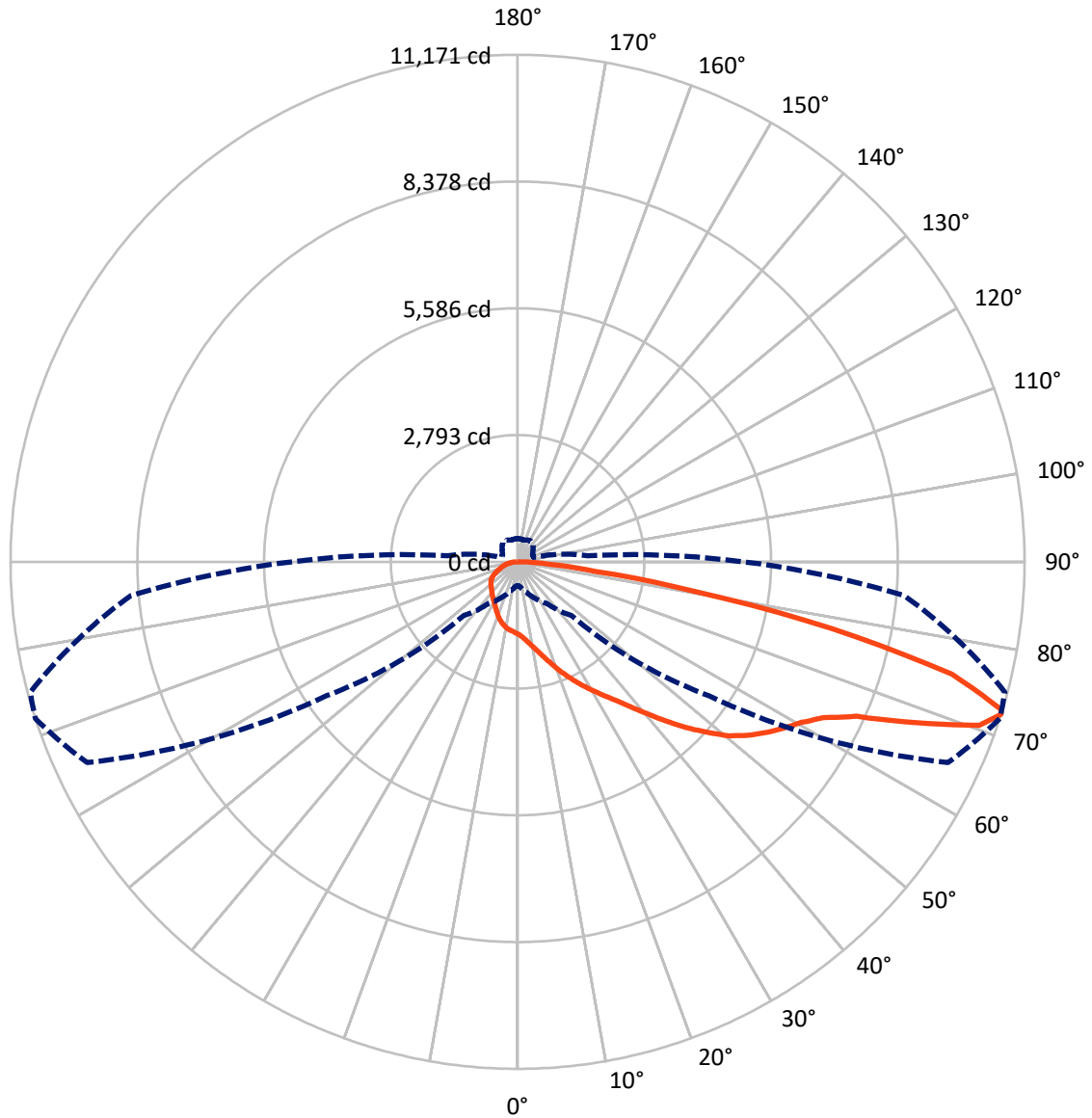
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P318046  
CATALOG NUMBER: GAN-SA2C-730-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P318046  
 CATALOG NUMBER: GAN-SA2C-730-U-T2

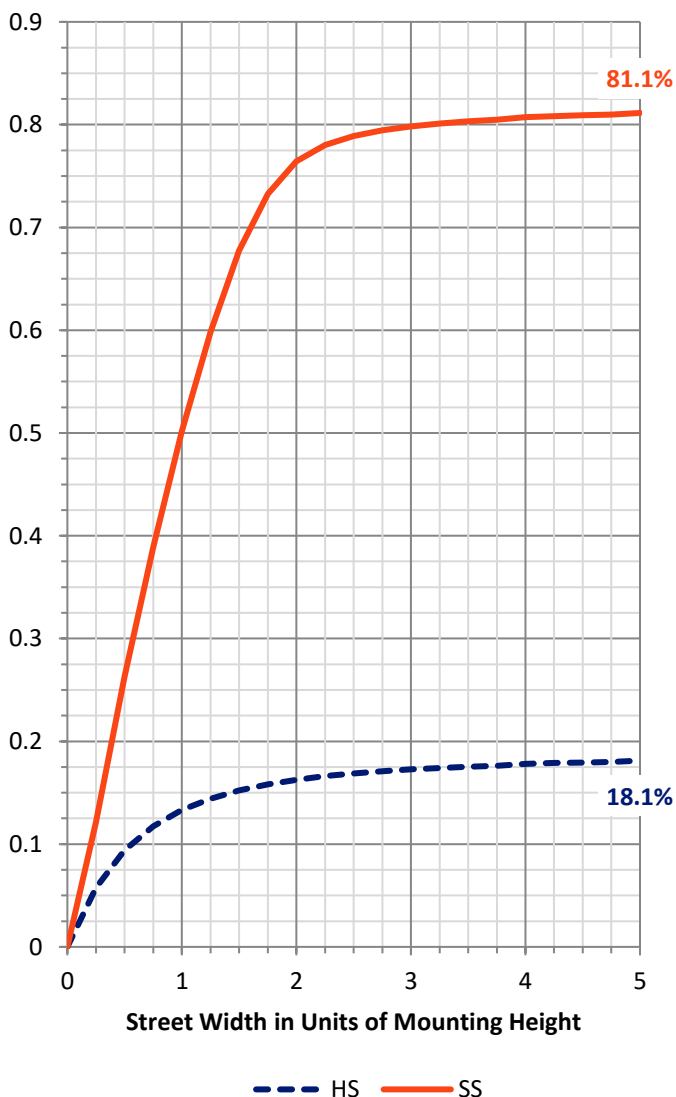
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2399.2	0.0	2399.2
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	10533.8	0.0	10533.8
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	12933.0	0.0	12933.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.4	1.2
10°-20°	515.2	4.0
20°-30°	902.8	7.0
30°-40°	1338.6	10.4
40°-50°	1957.8	15.1
50°-60°	2693.9	20.8
60°-70°	2999.1	23.2
70°-80°	2032.2	15.7
80°-90°	334.0	2.6
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°	12933.0	100.0
0°-180°	12933.0	100.0

**Coefficient of Utilization**

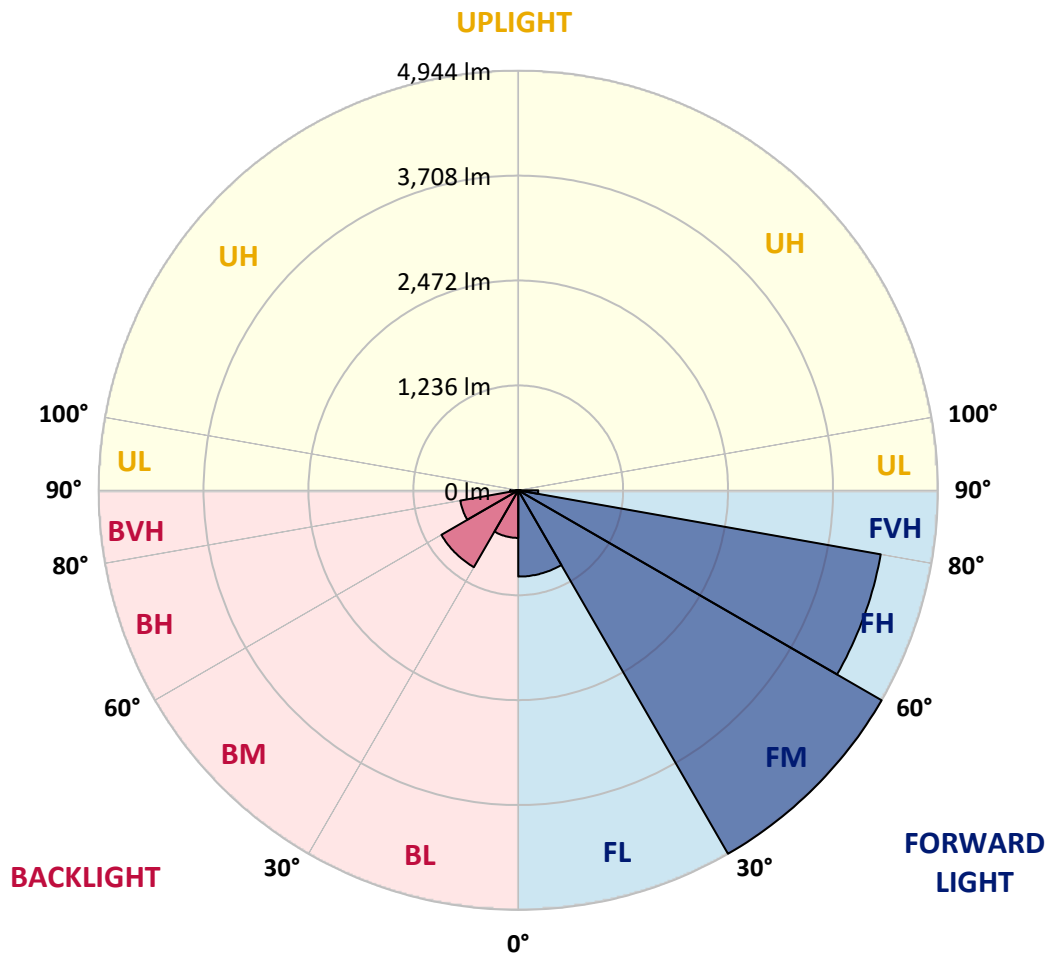


REPORT NUMBER: P318046  
 CATALOG NUMBER: GAN-SA2C-730-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1016.6	7.9			
FM (30°-60°)	4944.4	38.2			
FH (60°-80°)	4337.2	33.5			G2/5000
FVH (80°-90°)	235.6	1.8			G3/500
BL (0°-30°)	560.8	4.3	B2/1000		
BM (30°-60°)	1045.8	8.1	B2/2500		
BH (60°-80°)	694.1	5.4	B2/1000		G2/1000
BVH (80°-90°)	98.4	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Medium





REPORT NUMBER: P318046  
 CATALOG NUMBER: GAN-SA2C-730-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1
2.5°	1757.6	1755.0	1745.6	1745.6	1727.8	1712.7	1684.2	1665.0	1642.3	1634.3	1607.6
5°	1927.8	1928.6	1917.1	1909.0	1882.8	1850.7	1802.2	1758.1	1714.0	1696.2	1641.4
7.5°	2070.7	2068.9	2065.8	2059.1	2034.6	2001.7	1936.2	1870.8	1805.7	1779.0	1684.6
10°	2162.4	2166.4	2169.1	2172.2	2162.0	2138.4	2076.5	1996.8	1911.7	1875.2	1736.3
12.5°	2208.7	2215.9	2228.3	2249.7	2266.6	2264.0	2219.0	2134.4	2033.3	1987.4	1800.8
15°	2235.9	2245.3	2264.9	2303.1	2350.8	2378.0	2365.9	2289.3	2176.7	2120.1	1879.7
17.5°	2252.8	2260.4	2290.7	2341.9	2412.7	2484.8	2516.5	2452.3	2338.8	2274.2	1970.1
20°	2264.4	2270.2	2308.0	2368.2	2459.9	2574.8	2663.0	2646.9	2517.3	2433.6	2064.5
22.5°	2290.2	2295.1	2331.2	2391.8	2493.3	2641.6	2804.1	2828.2	2705.7	2610.9	2165.5
25°	2362.4	2362.4	2392.7	2435.0	2530.3	2699.5	2923.5	3029.9	2898.1	2787.6	2259.1
27.5°	2500.0	2498.6	2509.8	2524.5	2596.6	2758.3	3029.9	3208.0	3097.6	2976.9	2349.9
30°	2663.0	2671.9	2673.2	2666.1	2699.9	2831.7	3128.3	3395.9	3298.4	3168.4	2443.0
32.5°	2872.7	2878.5	2871.8	2848.2	2843.3	2935.9	3224.9	3592.8	3515.7	3368.3	2528.0
35°	3139.0	3127.9	3106.9	3058.8	3013.0	3075.3	3335.4	3789.6	3759.8	3610.1	2645.1
37.5°	3424.4	3424.9	3399.1	3290.0	3226.7	3253.4	3487.7	4012.7	4055.0	3897.8	2795.2
40°	3653.3	3665.4	3681.4	3538.0	3456.1	3493.0	3681.4	4271.4	4404.1	4238.9	2990.7
42.5°	3813.2	3827.0	3872.4	3782.5	3697.4	3766.0	3909.4	4547.5	4796.0	4632.6	3219.6
45°	3982.4	3990.0	4022.0	3983.3	3929.0	4083.5	4166.3	4833.4	5210.6	5052.1	3475.7
47.5°	4160.5	4168.6	4201.5	4175.7	4147.2	4380.1	4434.4	5102.8	5607.8	5513.0	3749.1
50°	4380.5	4385.9	4417.0	4370.3	4379.2	4603.6	4674.0	5350.0	6024.2	5927.1	4023.4
52.5°	4680.7	4682.0	4725.2	4682.9	4641.0	4767.5	4880.2	5582.9	6350.6	6304.7	4297.7
55°	4915.8	4930.0	5071.6	5062.7	5038.7	4916.2	5052.5	5804.6	6641.8	6663.6	4588.9
57.5°	4765.7	4821.4	5108.2	5310.3	5507.2	5286.3	5285.4	6054.4	6912.6	7015.9	4909.1
60°	4173.9	4249.6	4672.2	5120.6	5736.5	5930.2	5769.0	6359.5	7186.0	7365.0	5310.3
62.5°	2980.9	3105.6	3678.3	4394.3	5422.1	6356.8	6753.1	6843.5	7557.8	7769.3	5831.8
65°	1506.9	1601.3	2081.4	2944.0	4332.0	6078.1	7822.8	7903.4	8204.0	8391.9	6634.7
67.5°	915.6	951.2	1185.4	1637.4	2655.8	4734.5	8171.9	9669.9	9454.4	9554.1	7779.6
70°	674.6	700.9	847.0	1087.4	1527.4	2778.3	7100.5	10930.6	10789.0	10777.9	8625.7
72°	525.5	544.6	673.8	878.6	1116.8	1666.8	5146.5	10465.3	11171.1	11115.0	8548.2
72.5°	498.3	515.2	632.8	826.9	1055.4	1510.9	4627.2	10151.3	11143.5	11118.1	8448.0
75°	392.3	404.3	468.5	639.5	826.1	857.2	2535.6	7866.9	9885.5	10296.5	7598.3
77.5°	324.6	326.4	360.3	465.4	643.9	606.1	1245.5	5458.2	7078.7	7530.7	5382.5
80°	264.5	266.7	282.8	326.4	487.2	448.4	591.4	3138.6	3963.3	3968.2	2559.6
82.5°	210.6	211.1	228.9	238.7	350.0	320.6	338.9	1473.5	1731.8	1665.9	920.0
85°	148.3	145.2	223.5	195.9	228.9	205.7	187.0	583.4	716.1	684.9	288.1
87.5°	49.4	51.2	99.3	126.9	133.6	116.7	83.3	223.5	270.3	268.1	91.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P318046  
 CATALOG NUMBER: GAN-SA2C-730-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1	1591.1
2.5°	1599.1	1584.9	1563.9	1540.8	1522.5	1503.8	1490.0	1482.9	1474.9	1468.2	1476.2
5°	1616.0	1589.3	1544.8	1501.1	1469.1	1440.6	1420.1	1409.4	1399.6	1392.9	1393.8
7.5°	1643.6	1600.4	1525.6	1462.0	1417.4	1386.7	1365.8	1358.6	1352.4	1350.6	1352.9
10°	1673.0	1609.4	1500.3	1415.6	1364.9	1339.5	1330.1	1335.0	1339.5	1343.5	1348.0
12.5°	1706.4	1617.4	1463.3	1361.3	1318.1	1308.3	1317.7	1339.1	1354.6	1364.0	1369.8
15°	1750.1	1624.5	1420.5	1307.0	1278.0	1289.2	1320.8	1357.8	1384.9	1402.3	1405.0
17.5°	1790.2	1624.0	1365.8	1252.2	1245.5	1278.0	1325.7	1377.8	1414.3	1438.8	1443.7
20°	1831.6	1612.0	1302.1	1198.8	1212.6	1266.0	1327.9	1390.7	1434.8	1463.3	1470.0
22.5°	1870.3	1591.1	1232.2	1150.2	1185.0	1250.0	1319.5	1383.1	1427.2	1450.4	1457.5
25°	1896.6	1554.6	1161.4	1109.3	1160.5	1230.4	1291.8	1343.1	1376.0	1387.6	1389.4
27.5°	1909.9	1506.9	1094.6	1073.6	1135.1	1198.3	1240.6	1266.0	1275.4	1274.5	1272.7
30°	1911.7	1444.1	1037.1	1044.7	1105.7	1151.1	1171.2	1166.3	1154.2	1133.8	1135.5
32.5°	1905.9	1373.3	989.0	1017.1	1068.3	1093.7	1094.6	1071.0	1038.9	1006.4	997.5
35°	1907.7	1303.9	946.7	985.9	1022.9	1034.0	1023.8	989.0	945.4	903.5	894.6
37.5°	1927.3	1243.3	910.2	949.8	972.6	975.2	960.5	924.0	892.0	851.0	847.4
40°	1974.1	1200.1	875.5	909.3	922.2	923.6	902.6	876.8	879.5	857.7	857.2
42.5°	2058.2	1181.4	844.8	867.0	875.0	877.7	861.7	845.2	868.4	854.1	849.2
45°	2166.9	1185.9	818.9	825.6	840.3	852.8	843.0	822.9	831.8	769.9	749.5
47.5°	2292.5	1214.4	798.4	790.0	815.4	839.0	823.8	793.5	761.9	700.5	688.9
50°	2439.4	1258.4	779.7	754.8	788.2	820.3	805.1	761.9	714.3	684.4	680.4
52.5°	2592.6	1312.3	761.0	716.1	753.9	806.0	798.4	754.8	696.0	666.6	661.3
55°	2766.3	1366.7	737.4	671.1	717.0	799.3	795.3	729.0	682.2	665.7	661.7
57.5°	2982.2	1428.6	706.3	624.3	682.2	775.3	762.8	713.4	668.0	655.5	654.2
60°	3263.7	1519.8	661.3	574.5	639.9	738.3	735.7	690.7	645.3	636.3	634.6
62.5°	3685.8	1670.8	599.4	524.6	592.7	675.5	700.0	660.0	621.2	620.8	621.7
65°	4340.4	1897.9	532.1	480.9	545.1	622.5	658.6	628.3	596.7	605.6	607.0
67.5°	5099.3	2086.3	466.2	438.2	496.5	572.2	621.2	596.7	564.2	587.4	587.8
70°	5351.7	1918.0	408.4	395.9	446.2	523.7	580.7	562.0	529.0	552.2	550.0
72°	4980.4	1548.3	370.9	363.8	408.4	483.6	544.6	529.5	497.0	512.6	506.8
72.5°	4863.2	1476.2	361.6	355.8	398.1	473.4	535.3	521.5	489.0	502.3	497.0
75°	4338.2	1282.1	310.8	312.2	347.3	423.5	482.7	478.3	444.9	446.2	444.4
77.5°	3146.6	940.1	261.8	270.7	295.7	372.3	429.7	427.1	390.5	383.9	382.5
80°	1460.2	479.6	213.3	217.3	243.1	311.3	366.5	362.9	333.5	325.1	320.2
82.5°	500.1	228.0	160.3	163.0	188.4	250.7	318.0	315.7	291.2	274.8	264.5
85°	178.6	113.6	112.2	109.5	134.5	197.3	277.0	265.0	228.9	195.0	194.2
87.5°	57.9	48.5	57.9	57.4	78.4	133.6	201.3	171.4	166.1	138.0	135.4
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)