

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: P318686

Luminaire Tested: **GAN-SA2C-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318686  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13258 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

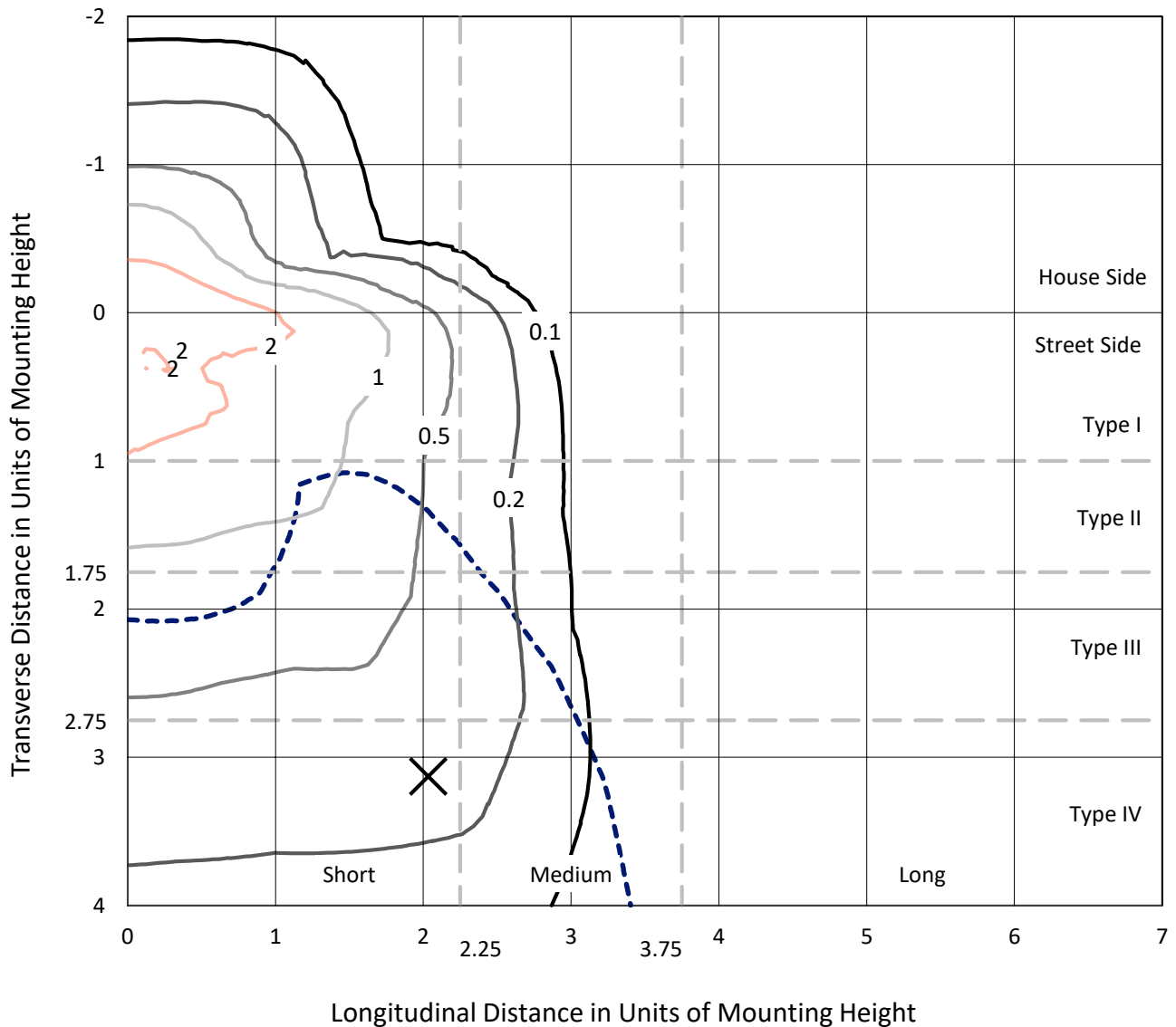
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318686  
 CATALOG NUMBER: GAN-SA2C-730-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

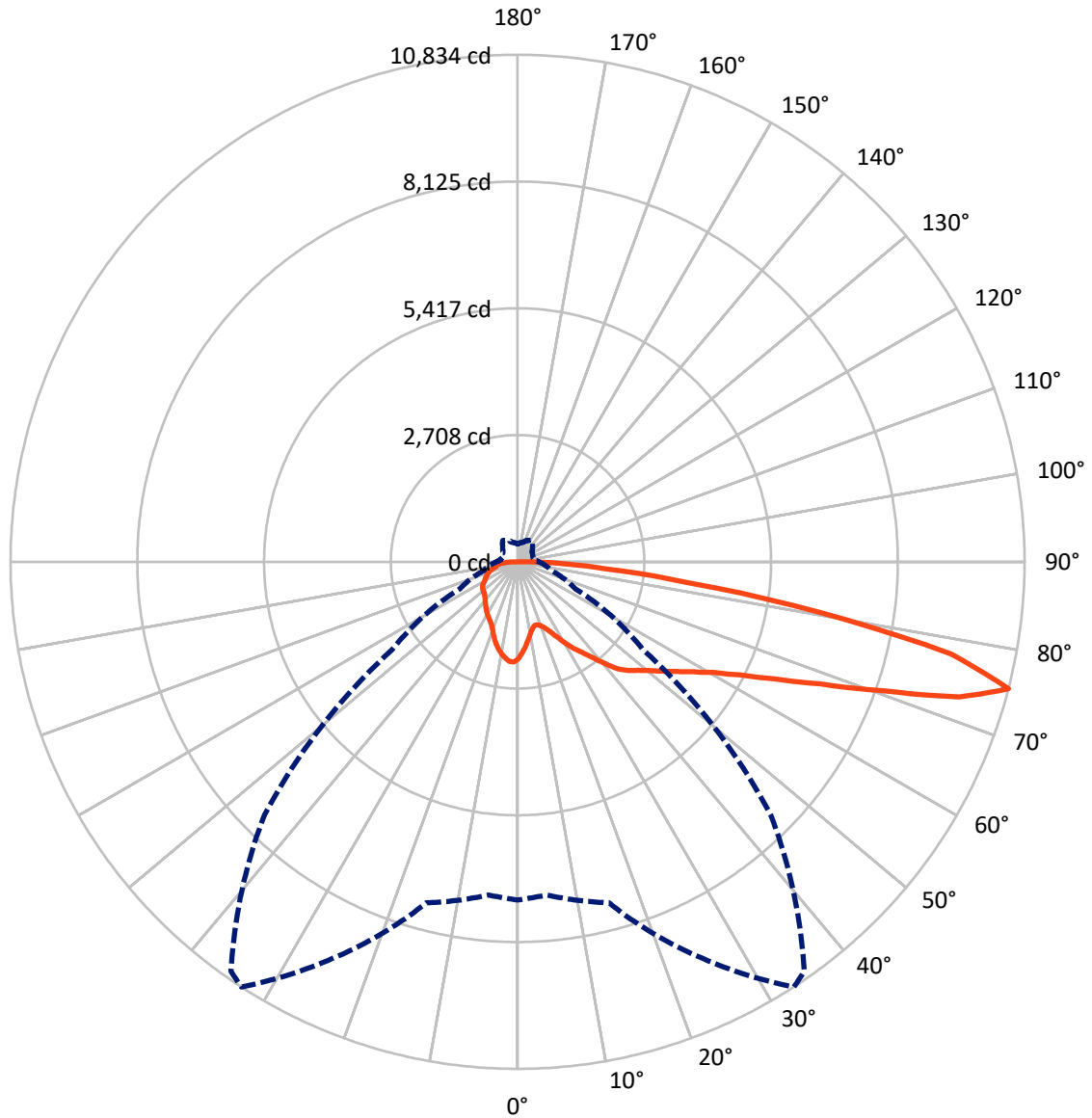
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P318686  
CATALOG NUMBER: GAN-SA2C-730-U-T4FT

### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P318686  
 CATALOG NUMBER: GAN-SA2C-730-U-T4FT

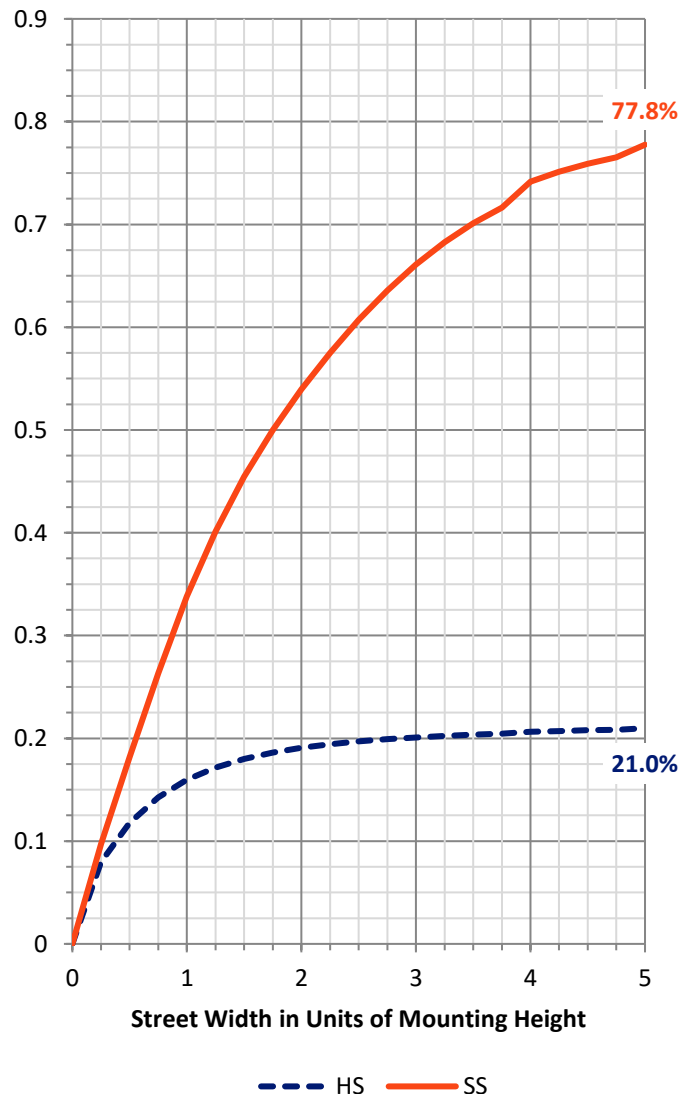
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2846.8	0.0	2846.8
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	10411.2	0.0	10411.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	13258.0	0.0	13258.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.4	1.4
10°-20°	507.6	3.8
20°-30°	829.0	6.3
30°-40°	1234.5	9.3
40°-50°	1770.7	13.4
50°-60°	2430.9	18.3
60°-70°	3043.3	23.0
70°-80°	2753.1	20.8
80°-90°	501.5	3.8
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°	13258.0	100.0
0°-180°	13258.0	100.0

**Coefficient of Utilization**



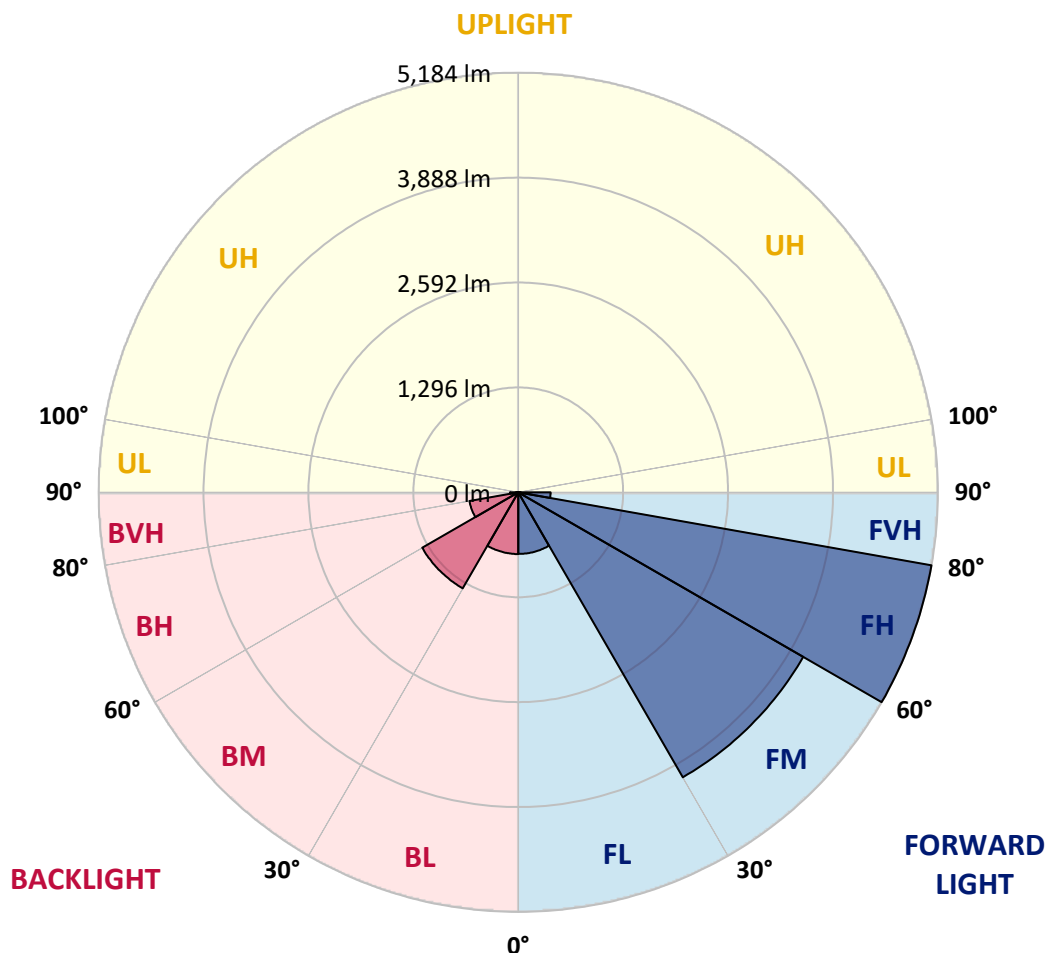
REPORT NUMBER: P318686  
 CATALOG NUMBER: GAN-SA2C-730-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.5	5.7			
FM (30°-60°)	4066.0	30.7			
FH (60°-80°)	5184.3	39.1			G3/7500
FVH (80°-90°)	399.4	3.0			G3/500
BL (0°-30°)	762.5	5.8	B2/1000		
BM (30°-60°)	1370.1	10.3	B2/2500		
BH (60°-80°)	612.1	4.6	B2/1000		G2/1000
BVH (80°-90°)	102.1	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





REPORT NUMBER: P318686

CATALOG NUMBER: GAN-SA2C-730-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3
2.5°	1924.4	1917.0	1930.8	1932.6	1944.5	1949.1	1965.6	1991.2	2012.3	2036.6	2058.6
5°	1749.9	1744.9	1764.1	1777.8	1803.9	1814.9	1853.8	1908.3	1956.9	2011.8	2061.8
7.5°	1584.1	1581.4	1602.9	1634.0	1664.3	1679.4	1746.7	1825.9	1907.0	1995.8	2072.3
10°	1444.4	1443.5	1464.1	1494.8	1539.2	1556.2	1643.2	1747.6	1861.2	1983.5	2090.2
12.5°	1366.1	1369.3	1378.9	1404.6	1445.8	1462.7	1559.4	1682.1	1822.7	1979.3	2116.3
15°	1385.3	1390.4	1373.9	1373.0	1402.3	1415.6	1506.3	1635.4	1795.2	1986.2	2154.3
17.5°	1467.3	1468.2	1424.7	1397.3	1415.1	1422.0	1489.8	1608.8	1779.2	2001.8	2201.9
20°	1582.7	1580.4	1503.5	1457.7	1467.3	1469.2	1513.1	1609.3	1777.8	2028.8	2263.7
22.5°	1735.7	1718.7	1615.2	1553.0	1550.7	1547.9	1573.1	1643.2	1798.0	2072.8	2337.5
25°	1935.4	1919.3	1776.9	1691.7	1673.4	1666.5	1670.2	1715.5	1837.8	2119.9	2419.9
27.5°	2157.5	2129.5	1992.2	1871.7	1833.7	1824.1	1802.1	1817.7	1881.3	2165.3	2517.9
30°	2343.4	2328.3	2208.3	2065.4	2020.5	2006.8	1949.1	1932.2	1944.1	2227.1	2641.6
32.5°	2447.4	2437.3	2364.5	2249.1	2207.4	2188.2	2106.6	2072.8	2044.8	2324.6	2809.2
35°	2573.3	2566.9	2522.9	2439.1	2377.3	2357.2	2294.0	2258.7	2186.8	2458.8	3025.8
37.5°	2733.6	2726.7	2727.7	2659.9	2586.1	2567.4	2525.7	2488.6	2370.9	2635.1	3261.2
40°	2915.0	2901.7	2896.6	2893.4	2846.7	2836.2	2814.2	2763.8	2601.7	2845.8	3493.4
42.5°	3187.9	3140.7	3040.0	3078.0	3124.2	3118.8	3136.6	3064.3	2858.2	3094.9	3720.1
45°	3451.2	3373.8	3199.8	3208.1	3309.3	3340.0	3473.7	3422.4	3136.2	3367.9	3954.5
47.5°	3571.2	3512.6	3364.7	3365.1	3465.4	3529.1	3822.2	3785.6	3428.3	3677.9	4240.8
50°	3705.4	3646.8	3514.0	3563.9	3651.4	3719.1	4158.8	4140.0	3706.3	4017.3	4583.8
52.5°	3852.0	3752.6	3668.3	3757.6	3880.4	3959.1	4495.9	4444.6	3961.4	4358.9	4978.1
55°	3853.8	3826.8	3890.9	3956.4	4140.0	4236.7	4849.0	4713.4	4169.3	4694.6	5299.1
57.5°	4073.2	4029.2	4165.2	4195.4	4435.4	4544.4	5200.2	4947.4	4380.9	4952.0	5472.2
60°	4363.5	4326.0	4437.2	4516.9	4800.9	4946.5	5575.3	5187.8	4547.2	5146.2	5464.0
62.5°	4865.0	4822.4	4821.0	4932.8	5315.2	5484.6	5996.2	5423.7	4613.1	5184.6	5230.9
65°	5599.1	5531.3	5403.6	5456.7	6025.5	6194.5	6466.5	5594.5	4526.1	4978.6	4630.5
67.5°	6313.5	6311.2	6154.2	6263.2	6963.4	7098.9	7002.3	5611.5	4254.5	4260.9	3565.3
70°	7025.7	7034.8	7008.3	7387.5	8230.6	8371.6	7572.9	5383.9	3644.0	3077.1	2136.0
72.5°	7589.9	7587.6	7721.3	8699.1	9875.1	9843.5	8053.8	4694.2	2616.4	1661.0	1020.8
75°	7224.4	7144.7	7543.2	9348.5	10833.7	10679.3	7644.8	3274.5	1357.9	756.1	549.6
77.5°	4712.0	4787.6	5372.4	7722.7	9476.2	9288.5	5608.7	1527.8	639.8	496.0	398.4
80°	1706.4	1786.1	2515.6	4374.5	6528.8	6498.1	2762.0	627.9	432.8	374.6	290.4
82.5°	587.1	616.4	992.4	1942.7	3686.2	3823.6	1039.1	356.8	314.6	265.6	198.8
85°	230.4	263.8	453.8	934.7	1859.3	1873.1	420.9	213.4	218.9	174.0	109.0
87.5°	87.5	106.2	217.1	434.2	849.1	779.9	150.7	101.7	124.6	103.5	51.8
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: P318686  
 CATALOG NUMBER: GAN-SA2C-730-U-T4FT

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3	2072.3
2.5°	2075.5	2085.1	2105.3	2119.0	2133.7	2137.8	2139.6	2143.3	2146.9	2145.6	2146.0
5°	2088.3	2107.1	2139.6	2153.4	2159.8	2152.4	2138.2	2126.8	2118.6	2114.0	2112.6
7.5°	2109.4	2136.0	2170.8	2168.5	2153.8	2121.3	2084.7	2057.2	2034.3	2026.0	2021.5
10°	2137.3	2168.5	2192.7	2166.6	2124.0	2067.7	2012.8	1970.2	1935.8	1922.5	1920.3
12.5°	2173.1	2204.7	2209.2	2153.8	2083.3	2006.4	1931.7	1875.4	1824.1	1807.6	1803.9
15°	2219.3	2249.1	2220.7	2131.4	2032.9	1929.4	1832.8	1756.3	1702.3	1682.1	1674.8
17.5°	2267.9	2296.2	2223.0	2094.3	1967.0	1838.3	1716.9	1638.6	1576.8	1553.4	1550.7
20°	2326.0	2338.8	2213.4	2041.2	1876.3	1720.1	1592.4	1518.6	1485.6	1469.2	1467.3
22.5°	2397.9	2384.2	2191.4	1969.3	1761.3	1583.6	1479.7	1445.3	1437.1	1433.4	1434.8
25°	2473.9	2431.8	2158.9	1875.4	1616.2	1447.2	1397.3	1406.9	1417.9	1416.5	1416.5
27.5°	2557.7	2480.3	2108.9	1750.8	1455.4	1335.4	1341.4	1376.6	1393.1	1392.7	1392.2
30°	2665.4	2535.3	2045.3	1601.1	1305.2	1256.7	1292.8	1335.9	1358.3	1357.4	1357.9
32.5°	2797.7	2595.8	1958.7	1433.9	1196.7	1198.5	1240.2	1282.8	1308.9	1306.6	1307.0
35°	2952.5	2663.5	1841.5	1269.0	1124.8	1152.2	1185.2	1215.0	1239.7	1236.5	1233.3
37.5°	3121.0	2729.9	1685.8	1121.6	1066.1	1109.2	1136.7	1141.7	1153.2	1144.9	1139.0
40°	3281.3	2780.8	1485.2	1000.7	1007.1	1072.6	1090.4	1070.3	1049.7	1046.9	1038.7
42.5°	3421.0	2797.7	1282.3	904.0	944.8	1034.1	1045.1	1002.9	965.9	948.4	941.1
45°	3568.5	2803.7	1093.2	823.0	884.8	999.7	1011.6	955.3	903.1	865.6	853.2
47.5°	3761.3	2846.7	946.2	763.0	839.0	976.8	993.8	917.3	849.5	795.9	784.5
50°	4013.6	2931.9	826.6	717.2	809.2	961.7	981.0	880.2	805.6	741.0	729.5
52.5°	4293.9	3010.2	730.0	680.1	780.4	935.2	964.5	853.7	764.3	690.2	677.8
55°	4489.9	2950.2	652.1	641.6	742.8	897.2	941.6	831.2	705.3	640.7	629.7
57.5°	4527.5	2745.1	593.1	601.8	697.5	849.5	906.3	781.3	673.2	619.2	607.7
60°	4424.9	2459.3	549.1	565.1	648.9	789.5	840.4	746.0	642.5	596.3	586.7
62.5°	4167.0	2166.6	516.6	532.2	603.6	728.6	799.2	708.9	611.4	570.2	560.6
65°	3646.3	1819.0	485.4	502.8	561.5	676.0	762.1	674.6	580.7	549.1	539.9
67.5°	2752.4	1362.5	456.1	471.7	523.9	630.2	721.8	640.7	550.9	530.8	519.8
70°	1620.7	853.2	422.7	439.2	484.5	582.5	678.7	603.6	513.8	504.7	490.5
72.5°	754.3	513.4	384.7	400.7	435.1	518.9	623.3	555.1	469.9	449.7	430.5
75°	450.2	375.5	339.8	354.0	378.3	451.1	553.7	505.6	428.2	401.6	381.5
77.5°	336.6	287.1	290.4	305.5	325.2	394.8	490.5	466.7	396.1	375.5	361.8
80°	242.3	218.0	236.8	253.3	273.9	359.0	469.9	431.4	358.1	330.7	317.8
82.5°	161.7	156.6	178.1	195.1	215.2	314.2	441.5	377.8	305.9	271.1	242.7
85°	89.3	94.3	120.0	127.3	144.7	221.2	361.8	303.6	230.4	185.5	177.2
87.5°	37.1	43.5	64.6	62.3	76.9	131.9	238.1	183.2	146.5	109.5	85.2
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)