

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: P318726

Luminaire Tested: **GAN-SA2C-740-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318726  
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-740-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 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: 14559 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

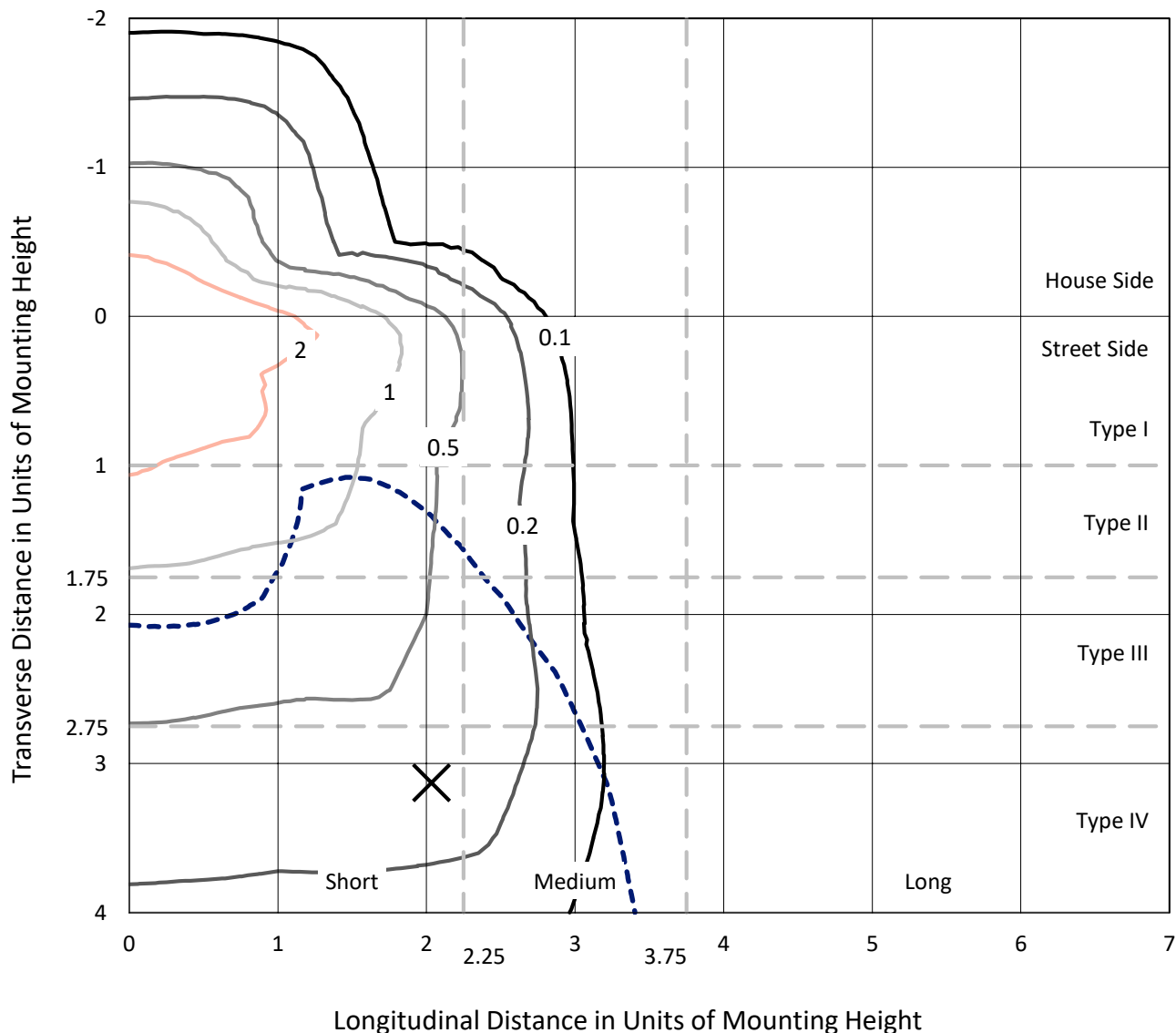
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

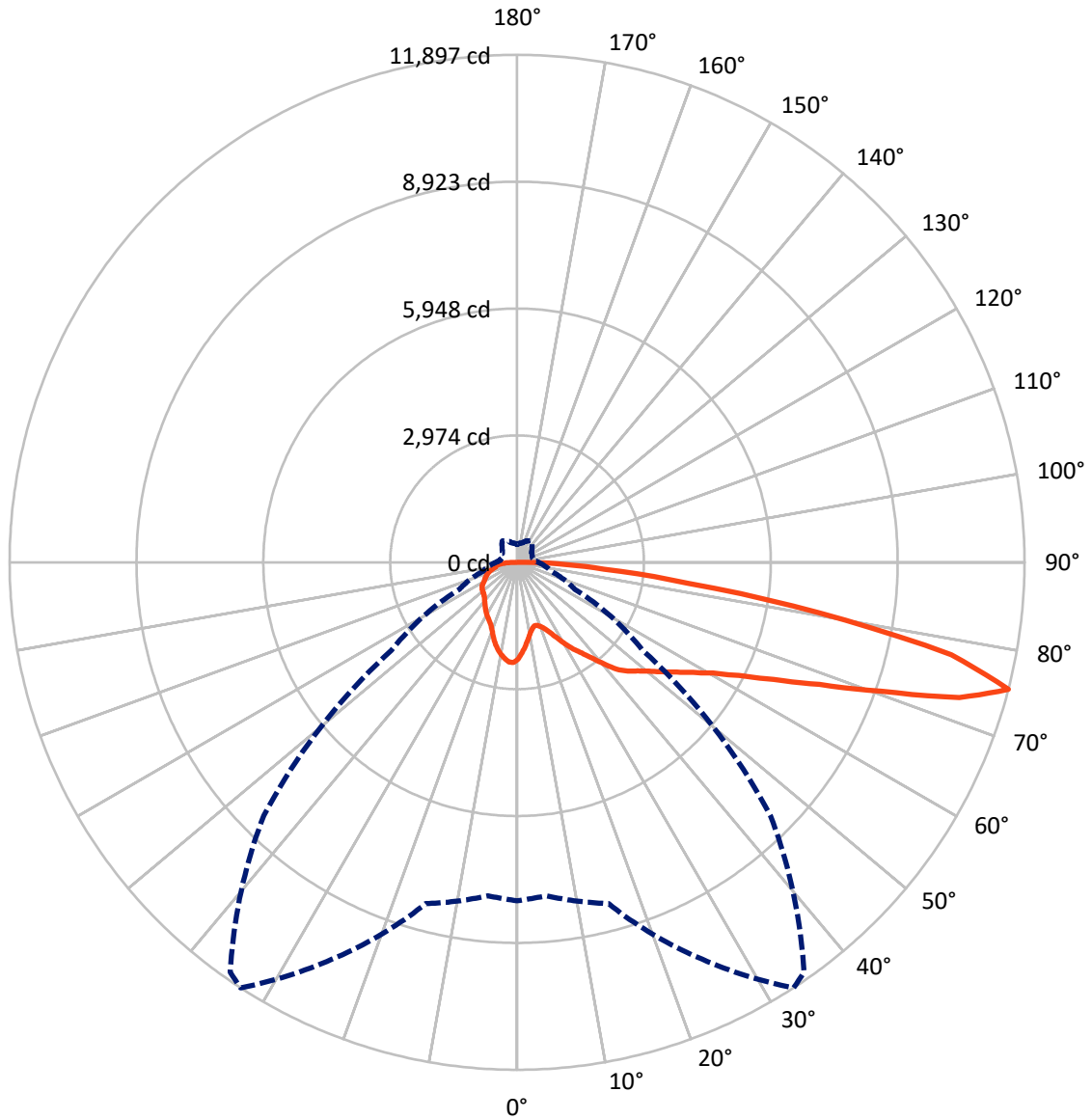
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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

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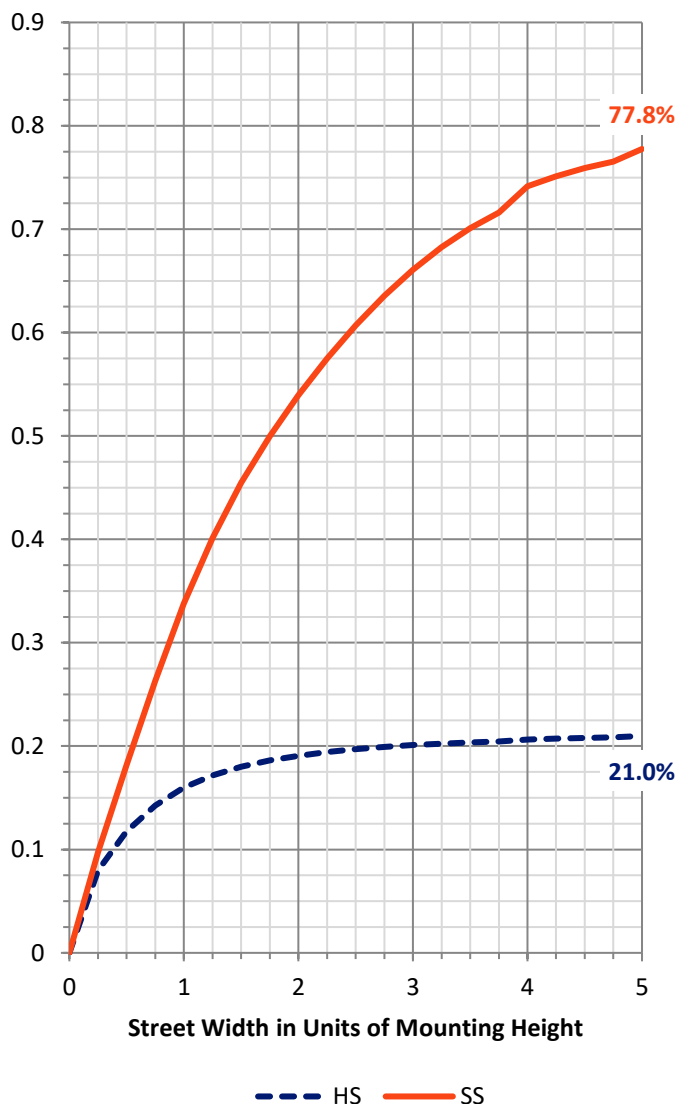
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3126.2	0.0	3126.2
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	11432.8	0.0	11432.8
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	14559.0	0.0	14559.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.8	1.4
10°-20°	557.4	3.8
20°-30°	910.3	6.3
30°-40°	1355.7	9.3
40°-50°	1944.4	13.4
50°-60°	2669.4	18.3
60°-70°	3342.0	23.0
70°-80°	3023.3	20.8
80°-90°	550.7	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°	14559.0	100.0
0°-180°	14559.0	100.0

**Coefficient of Utilization**

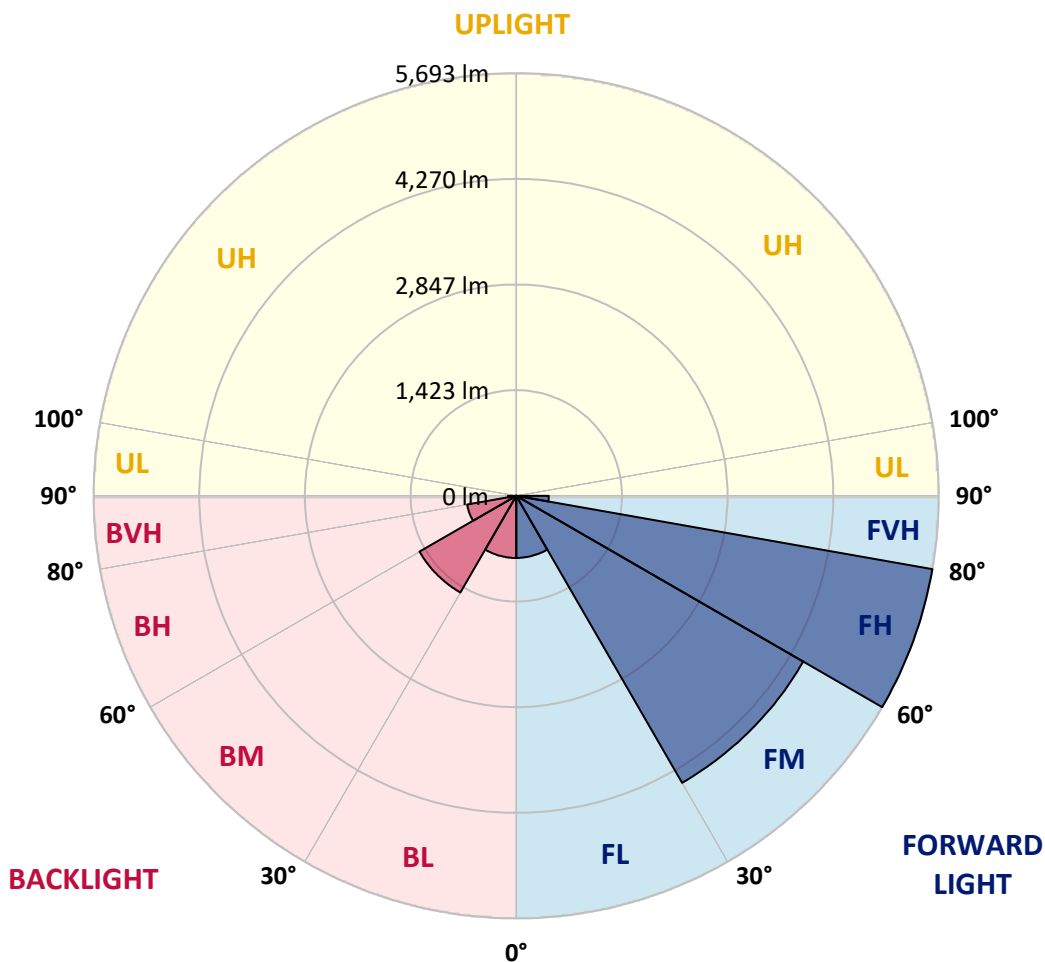


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.2	5.7			
FM (30°-60°)	4464.9	30.7			
FH (60°-80°)	5693.1	39.1			G3/7500
FVH (80°-90°)	438.6	3.0			G3/500
BL (0°-30°)	837.3	5.8	B2/1000		
BM (30°-60°)	1504.5	10.3	B2/2500		
BH (60°-80°)	672.2	4.6	B2/1000		G2/1000
BVH (80°-90°)	112.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7
2.5°	2113.2	2105.2	2120.3	2122.3	2135.3	2140.4	2158.5	2186.6	2209.8	2236.4	2260.6
5°	1921.6	1916.1	1937.2	1952.3	1980.9	1993.0	2035.8	2095.6	2148.9	2209.3	2264.1
7.5°	1739.6	1736.5	1760.2	1794.4	1827.6	1844.2	1918.1	2005.1	2094.1	2191.7	2275.7
10°	1586.2	1585.2	1607.8	1641.5	1690.3	1708.9	1804.4	1919.1	2043.8	2178.1	2295.3
12.5°	1500.2	1503.7	1514.3	1542.4	1587.7	1606.3	1712.4	1847.2	2001.6	2173.6	2323.9
15°	1521.3	1526.8	1508.7	1507.7	1539.9	1554.5	1654.1	1795.9	1971.4	2181.1	2365.7
17.5°	1611.3	1612.3	1564.5	1534.4	1554.0	1561.5	1636.0	1766.7	1953.8	2198.2	2418.0
20°	1738.0	1735.5	1651.0	1600.8	1611.3	1613.3	1661.6	1767.2	1952.3	2227.9	2485.9
22.5°	1906.0	1887.4	1773.8	1705.4	1702.8	1699.8	1727.5	1804.4	1974.4	2276.2	2566.8
25°	2125.3	2107.7	1951.3	1857.7	1837.6	1830.1	1834.1	1883.9	2018.2	2328.0	2657.4
27.5°	2369.2	2338.5	2187.6	2055.4	2013.6	2003.1	1978.9	1996.0	2065.9	2377.7	2765.0
30°	2573.4	2556.8	2425.0	2268.1	2218.8	2203.7	2140.4	2121.8	2134.8	2445.6	2900.8
32.5°	2687.5	2676.5	2596.5	2469.8	2424.0	2402.9	2313.4	2276.2	2245.5	2552.8	3084.8
35°	2825.8	2818.8	2770.5	2678.5	2610.6	2588.5	2519.1	2480.3	2401.4	2700.1	3322.7
37.5°	3001.9	2994.3	2995.3	2920.9	2839.9	2819.3	2773.5	2732.8	2603.5	2893.7	3581.2
40°	3201.0	3186.4	3180.9	3177.4	3126.1	3114.5	3090.4	3035.0	2857.0	3125.1	3836.2
42.5°	3500.7	3448.9	3338.3	3380.0	3430.8	3424.8	3444.4	3364.9	3138.6	3398.6	4085.1
45°	3789.9	3704.9	3513.8	3522.9	3634.0	3667.7	3814.5	3758.2	3443.9	3698.4	4342.6
47.5°	3921.7	3857.3	3694.9	3695.4	3805.5	3875.4	4197.3	4157.0	3764.8	4038.8	4656.9
50°	4069.0	4004.6	3858.8	3913.6	4009.7	4084.1	4566.9	4546.3	4070.0	4411.5	5033.6
52.5°	4229.9	4120.8	4028.3	4126.4	4261.1	4347.6	4937.0	4880.7	4350.1	4786.7	5466.6
55°	4232.0	4202.3	4272.7	4344.6	4546.3	4652.4	5324.8	5175.9	4578.5	5155.3	5819.1
57.5°	4472.9	4424.6	4573.9	4607.1	4870.7	4990.3	5710.5	5432.9	4810.8	5437.9	6009.2
60°	4791.7	4750.5	4872.7	4960.2	5272.0	5431.9	6122.4	5696.9	4993.4	5651.2	6000.2
62.5°	5342.4	5295.6	5294.1	5416.8	5836.7	6022.8	6584.6	5955.9	5065.8	5693.4	5744.2
65°	6148.5	6074.1	5933.8	5992.1	6616.7	6802.3	7101.0	6143.5	4970.2	5467.1	5084.9
67.5°	6933.1	6930.6	6758.1	6877.8	7646.7	7795.6	7689.4	6162.1	4672.0	4679.0	3915.1
70°	7715.1	7725.2	7696.0	8112.4	9038.2	9193.1	8316.1	5912.2	4001.6	3379.0	2345.6
72.5°	8334.7	8332.2	8479.0	9552.7	10844.2	10809.5	8844.1	5154.8	2873.1	1824.0	1121.0
75°	7933.4	7845.8	8283.4	10265.8	11896.8	11727.3	8395.0	3595.8	1491.1	830.3	603.5
77.5°	5174.4	5257.4	5899.6	8480.5	10406.1	10200.0	6159.1	1677.7	702.6	544.6	437.5
80°	1873.8	1961.3	2762.5	4803.8	7169.4	7135.7	3033.0	689.5	475.2	411.4	318.8
82.5°	644.7	676.9	1089.8	2133.3	4047.9	4198.8	1141.1	391.8	345.5	291.7	218.3
85°	253.0	289.7	498.4	1026.4	2041.8	2056.9	462.2	234.4	240.4	191.1	119.7
87.5°	96.1	116.7	238.4	476.8	932.4	856.5	165.5	111.6	136.8	113.7	56.8
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°	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7	2275.7
2.5°	2279.2	2289.7	2311.9	2326.9	2343.0	2347.6	2349.6	2353.6	2357.6	2356.1	2356.6
5°	2293.3	2313.9	2349.6	2364.7	2371.7	2363.7	2348.1	2335.5	2326.4	2321.4	2319.9
7.5°	2316.4	2345.6	2383.8	2381.3	2365.2	2329.5	2289.2	2259.1	2233.9	2224.9	2219.8
10°	2347.1	2381.3	2407.9	2379.3	2332.5	2270.6	2210.3	2163.5	2125.8	2111.2	2108.7
12.5°	2386.3	2421.0	2426.0	2365.2	2287.7	2203.2	2121.3	2059.4	2003.1	1985.0	1980.9
15°	2437.1	2469.8	2438.6	2340.5	2232.4	2118.7	2012.6	1928.6	1869.3	1847.2	1839.1
17.5°	2490.4	2521.6	2441.1	2299.8	2160.0	2018.7	1885.4	1799.4	1731.5	1705.9	1702.8
20°	2554.3	2568.3	2430.5	2241.5	2060.4	1888.9	1748.6	1667.6	1631.4	1613.3	1611.3
22.5°	2633.2	2618.1	2406.4	2162.5	1934.2	1739.1	1624.9	1587.2	1578.1	1574.1	1575.6
25°	2716.7	2670.4	2370.7	2059.4	1774.8	1589.2	1534.4	1544.9	1557.0	1555.5	1555.5
27.5°	2808.7	2723.7	2315.9	1922.6	1598.2	1466.5	1473.0	1511.7	1529.8	1529.3	1528.8
30°	2926.9	2784.1	2246.0	1758.2	1433.3	1380.0	1419.7	1467.0	1491.6	1490.6	1491.1
32.5°	3072.3	2850.5	2150.9	1574.6	1314.1	1316.1	1361.9	1408.6	1437.3	1434.8	1435.3
35°	3242.2	2924.9	2022.2	1393.6	1235.1	1265.3	1301.5	1334.2	1361.4	1357.8	1354.3
37.5°	3427.3	2997.8	1851.2	1231.6	1170.8	1218.0	1248.2	1253.7	1266.3	1257.3	1250.7
40°	3603.3	3053.7	1630.9	1098.9	1105.9	1177.8	1197.4	1175.3	1152.7	1149.6	1140.6
42.5°	3756.7	3072.3	1408.1	992.7	1037.5	1135.6	1147.6	1101.4	1060.6	1041.5	1033.5
45°	3918.6	3078.8	1200.4	903.7	971.6	1097.8	1110.9	1049.1	991.7	950.5	936.9
47.5°	4130.4	3126.1	1039.0	837.8	921.3	1072.7	1091.3	1007.3	932.9	874.1	861.5
50°	4407.5	3219.6	907.7	787.6	888.6	1056.1	1077.2	966.6	884.6	813.7	801.1
52.5°	4715.3	3305.6	801.6	746.8	857.0	1026.9	1059.1	937.4	839.4	757.9	744.3
55°	4930.5	3239.7	716.1	704.6	815.7	985.2	1034.0	912.8	774.5	703.6	691.5
57.5°	4971.7	3014.4	651.3	660.8	765.9	932.9	995.3	858.0	739.3	679.9	667.4
60°	4859.1	2700.6	603.0	620.6	712.6	867.0	922.8	819.2	705.6	654.8	644.2
62.5°	4575.9	2379.3	567.3	584.4	662.8	800.1	877.6	778.5	671.4	626.1	615.6
65°	4004.1	1997.5	533.1	552.2	616.6	742.3	836.8	740.8	637.7	603.0	592.9
67.5°	3022.5	1496.1	500.9	518.0	575.3	692.0	792.6	703.6	605.0	582.9	570.8
70°	1779.8	936.9	464.2	482.3	532.1	639.7	745.3	662.8	564.3	554.2	538.6
72.5°	828.3	563.8	422.4	440.0	477.8	569.8	684.5	609.5	516.0	493.9	472.7
75°	494.4	412.4	373.2	388.7	415.4	495.4	608.0	555.2	470.2	441.0	418.9
77.5°	369.6	315.3	318.8	335.4	357.1	433.5	538.6	512.5	435.0	412.4	397.3
80°	266.0	239.4	260.0	278.1	300.7	394.3	516.0	473.7	393.3	363.1	349.0
82.5°	177.5	172.0	195.6	214.2	236.4	345.0	484.8	414.9	335.9	297.7	266.5
85°	98.1	103.6	131.8	139.8	158.9	242.9	397.3	333.4	253.0	203.7	194.6
87.5°	40.7	47.8	70.9	68.4	84.5	144.8	261.5	201.2	160.9	120.2	93.5
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)