

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: P319207

Luminaire Tested: **GAN-SA3C-830-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-830-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17039 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 166
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

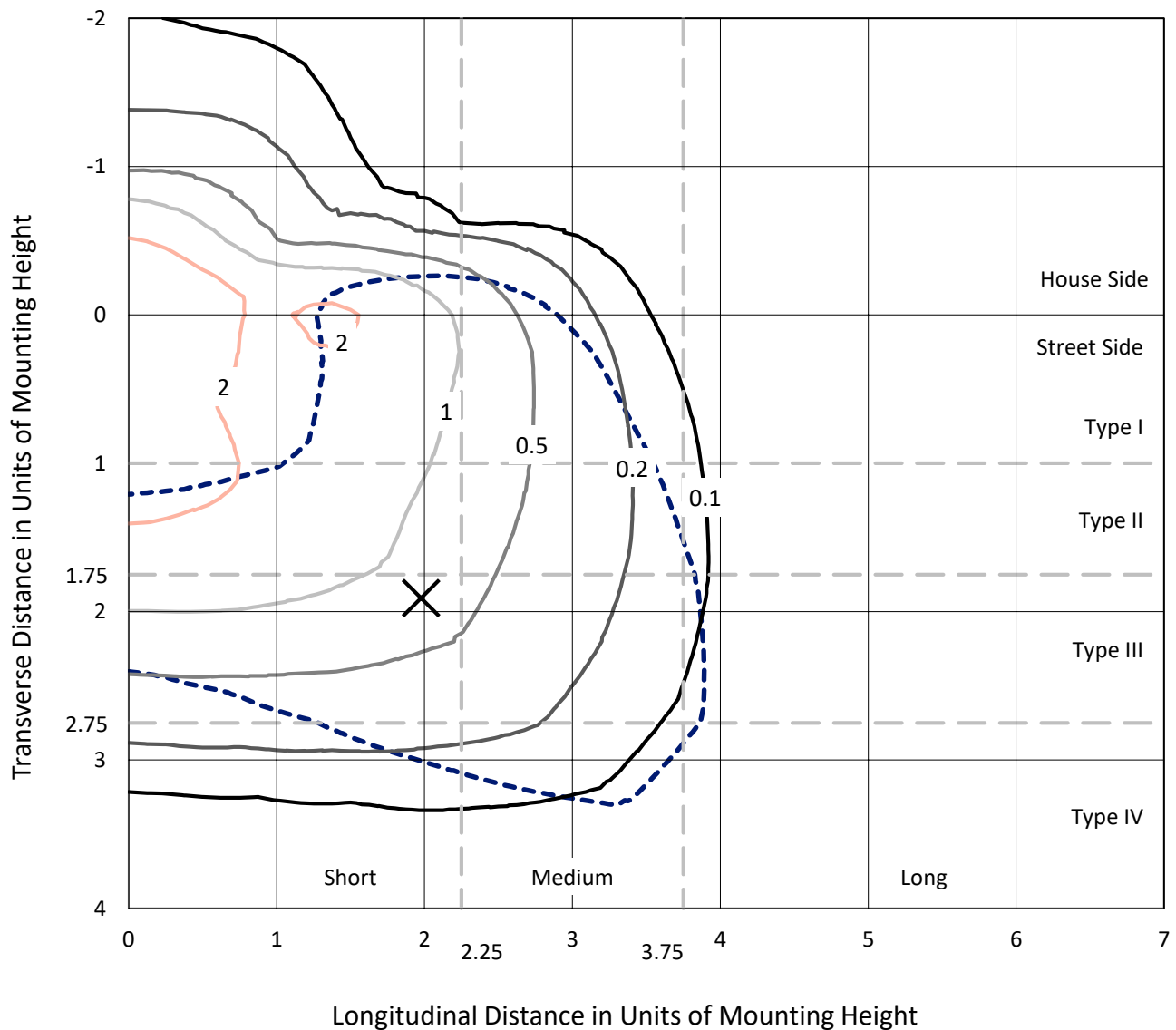


REPORT NUMBER: P319207

CATALOG NUMBER: GAN-SA3C-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

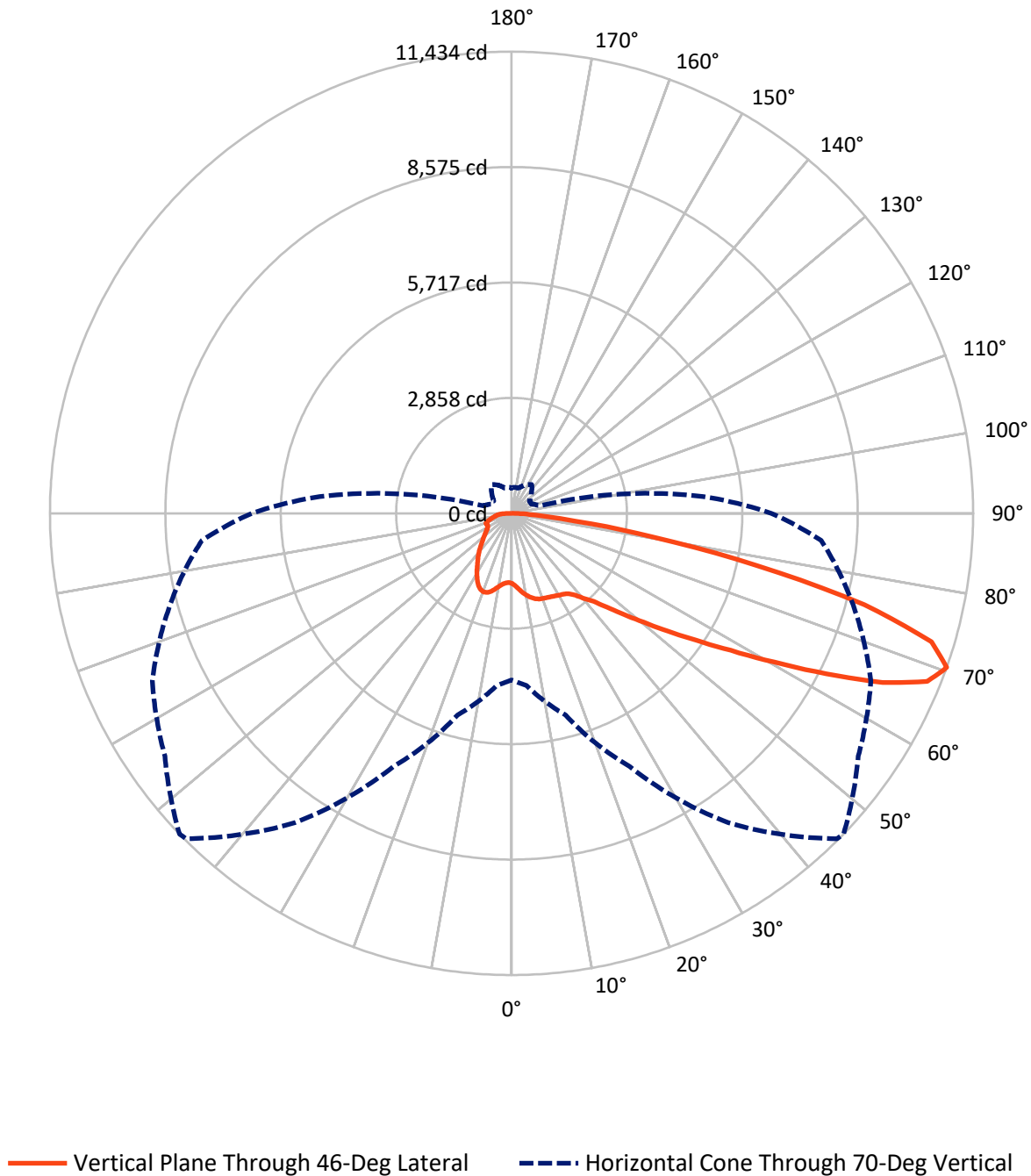
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P319207
CATALOG NUMBER: GAN-SA3C-830-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P319207

CATALOG NUMBER: GAN-SA3C-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3905.3	0.0	3905.3
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	13133.7	0.0	13133.7
	% Fixture	77.1	0.0	77.1
Total	Lumens	17039.0	0.0	17039.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	1.0
10°-20°	589.6	3.5
20°-30°	983.1	5.8
30°-40°	1395.1	8.2
40°-50°	2052.1	12.0
50°-60°	3475.2	20.4
60°-70°	4932.9	29.0
70°-80°	2996.8	17.6
80°-90°	437.3	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°	17039.0	100.0
0°-180°	17039.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319207

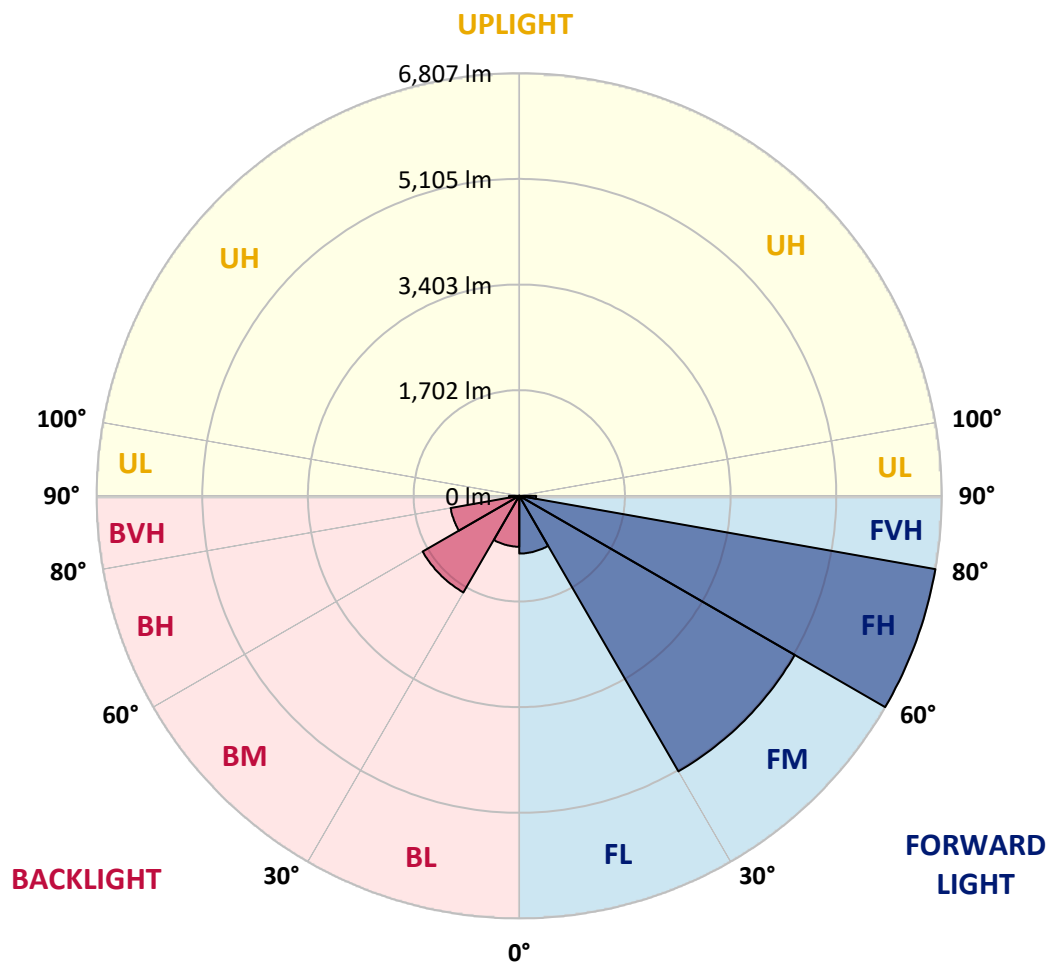
CATALOG NUMBER: GAN-SA3C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	929.7	5.5			
FM	(30°-60°)	5124.6	30.1			
FH	(60°-80°)	6807.0	39.9			G3/7500
FVH	(80°-90°)	272.4	1.6			G3/500
BL	(0°-30°)	819.9	4.8	B2/1000		
BM	(30°-60°)	1797.7	10.6	B2/2500		
BH	(60°-80°)	1122.7	6.6	B3/2500		G3/2500
BVH	(80°-90°)	164.9	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P319207

CATALOG NUMBER: GAN-SA3C-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9
2.5°	1822.8	1824.0	1826.3	1820.5	1804.2	1799.5	1797.8	1780.8	1769.8	1753.4	1739.4
5°	1968.6	1969.8	1966.3	1949.9	1913.8	1887.0	1884.6	1846.1	1811.2	1773.8	1745.9
7.5°	2120.8	2122.5	2111.5	2080.6	2029.8	1983.2	1980.3	1927.8	1874.7	1818.2	1776.2
10°	2255.5	2248.5	2230.4	2187.3	2127.2	2070.1	2067.7	2012.9	1951.7	1883.5	1827.5
12.5°	2345.3	2339.5	2316.1	2263.7	2197.8	2145.3	2140.6	2089.9	2030.4	1955.8	1888.7
15°	2394.9	2398.9	2367.5	2308.0	2243.8	2199.5	2195.4	2159.3	2106.2	2031.0	1954.0
17.5°	2401.3	2404.8	2374.5	2315.6	2263.1	2232.8	2231.0	2207.1	2168.6	2096.3	2015.8
20°	2364.0	2366.3	2341.2	2292.8	2258.4	2249.1	2248.5	2238.0	2209.4	2145.3	2067.2
22.5°	2309.7	2311.5	2293.4	2258.4	2246.8	2261.3	2265.4	2261.3	2240.9	2180.9	2107.4
25°	2296.3	2295.2	2276.5	2240.9	2250.8	2281.7	2287.0	2288.7	2274.7	2222.3	2158.7
27.5°	2361.0	2357.0	2321.4	2264.2	2270.7	2308.0	2315.0	2331.9	2323.1	2277.1	2217.0
30°	2548.2	2541.2	2468.3	2352.9	2321.4	2340.6	2349.4	2376.2	2378.0	2339.5	2294.6
32.5°	2864.3	2855.5	2724.9	2518.5	2407.1	2373.9	2382.0	2422.3	2443.8	2414.1	2365.7
35°	3263.7	3253.8	3082.4	2800.1	2550.6	2437.4	2443.3	2475.3	2518.5	2476.5	2412.4
37.5°	3680.1	3656.1	3491.1	3131.3	2778.6	2573.3	2573.3	2577.4	2597.8	2510.3	2467.2
40°	4094.1	4070.2	3920.9	3520.9	3073.6	2787.3	2773.9	2683.5	2667.2	2592.0	2577.4
42.5°	4478.9	4471.9	4383.9	3961.1	3420.0	2997.8	2979.1	2825.8	2829.3	2782.6	2783.2
45°	4888.3	4888.3	4816.5	4405.5	3823.5	3336.0	3317.4	3091.7	3126.7	3105.1	3157.0
47.5°	5222.4	5232.9	5223.0	4868.4	4292.9	3765.8	3732.0	3460.2	3558.2	3632.2	3783.3
50°	5563.5	5579.9	5581.6	5376.3	4860.3	4276.6	4238.1	3949.5	4168.1	4380.4	4677.2
52.5°	6058.6	6095.3	5949.0	5883.1	5555.4	4883.0	4845.1	4578.6	4943.7	5241.6	5753.0
55°	6517.5	6485.4	6381.1	6421.9	6299.4	5573.4	5544.9	5311.0	5807.8	6195.0	6859.2
57.5°	6765.9	6763.6	6868.5	7043.5	7101.8	6424.8	6400.9	6173.5	6782.2	7073.2	7897.7
60°	7057.5	7061.6	7321.6	7718.7	7959.0	7484.9	7474.4	7301.8	7728.6	7893.1	8712.4
62.5°	7098.3	7171.8	7619.6	8303.0	8761.3	8723.4	8746.8	8318.2	8575.3	8547.3	9320.5
65°	6628.9	6725.7	7536.2	8479.7	9559.0	10078.0	10099.6	9340.4	9243.0	9106.5	9538.1
67.5°	5666.7	5810.2	6690.7	8095.4	9822.0	11079.2	11109.6	10132.8	9797.0	9296.1	9014.4
70°	4123.8	4283.0	5169.3	6914.0	9353.2	11399.4	11433.8	10483.3	9817.9	8756.7	7695.4
72.5°	2491.1	2615.9	3346.5	5090.0	7894.2	10816.2	10877.5	10038.9	8963.7	7417.3	5682.5
75°	1093.9	1175.6	1618.2	2933.1	5651.6	8949.1	9025.5	8592.8	7283.1	5390.3	3358.8
77.5°	465.9	489.2	663.6	1274.1	3194.9	6115.2	6220.1	6278.4	4941.3	2933.1	1419.3
80°	290.4	299.7	375.5	576.7	1495.1	3434.6	3547.7	3694.0	2453.8	1078.2	495.6
82.5°	176.7	187.2	249.6	348.7	778.5	1556.9	1611.2	1714.4	952.2	465.9	256.6
85°	106.1	113.7	152.8	220.4	443.2	612.3	611.7	676.4	448.4	299.7	135.3
87.5°	50.7	56.6	81.6	114.3	223.3	229.7	215.2	243.7	272.3	196.5	68.2
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: P319207

CATALOG NUMBER: GAN-SA3C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9	1735.9
2.5°	1734.8	1732.4	1724.9	1719.0	1717.9	1714.4	1711.4	1713.2	1715.5	1716.1	1716.1
5°	1734.2	1727.8	1717.9	1713.8	1719.0	1726.0	1734.8	1746.4	1753.4	1758.7	1762.2
7.5°	1762.2	1749.9	1738.9	1736.5	1747.0	1765.7	1785.5	1810.0	1826.9	1838.6	1840.9
10°	1808.8	1793.7	1782.6	1784.9	1803.6	1830.4	1858.4	1889.9	1915.5	1931.3	1932.5
12.5°	1862.5	1847.9	1837.4	1847.3	1878.2	1910.9	1940.0	1967.4	1990.8	2006.5	2006.5
15°	1924.3	1913.8	1901.5	1924.3	1966.3	1995.4	2007.7	2021.1	2033.9	2045.6	2043.2
17.5°	1983.8	1973.9	1967.4	1994.3	2038.0	2051.4	2043.2	2033.3	2033.3	2039.7	2040.9
20°	2035.1	2026.3	2030.4	2056.7	2079.4	2065.4	2035.1	2003.6	1990.8	1994.3	1997.8
22.5°	2080.0	2075.9	2088.1	2100.4	2084.1	2035.1	1979.1	1936.5	1920.8	1919.6	1920.8
25°	2132.5	2131.9	2147.0	2124.9	2052.6	1962.2	1887.0	1845.6	1836.8	1843.8	1855.5
27.5°	2197.8	2204.2	2211.8	2130.7	1988.4	1852.0	1775.6	1747.0	1755.8	1772.7	1783.8
30°	2281.2	2298.6	2282.3	2116.1	1896.3	1726.0	1653.1	1645.0	1668.9	1692.8	1704.5
32.5°	2362.2	2389.6	2350.0	2078.2	1777.3	1592.5	1535.9	1533.6	1562.8	1586.1	1602.4
35°	2427.5	2481.7	2400.7	2003.0	1639.7	1469.5	1428.1	1412.3	1422.8	1450.2	1468.9
37.5°	2512.7	2603.0	2435.7	1888.1	1490.4	1368.0	1319.6	1283.4	1274.1	1285.2	1294.5
40°	2668.3	2787.9	2452.0	1727.8	1344.7	1266.5	1217.5	1164.5	1127.7	1100.9	1101.5
42.5°	2922.6	3028.7	2441.5	1533.0	1210.0	1167.4	1112.0	1050.8	991.3	930.7	926.0
45°	3335.4	3386.7	2410.0	1326.6	1091.6	1063.6	1011.7	950.5	871.2	802.4	796.0
47.5°	3996.1	3882.4	2361.0	1146.4	987.2	975.6	927.7	857.2	773.2	717.8	713.2
50°	4897.0	4597.9	2337.1	1003.0	895.1	898.6	859.5	784.9	705.6	664.8	660.1
52.5°	5974.6	5431.2	2383.2	892.2	821.0	833.3	804.1	734.1	667.7	635.6	630.9
55°	7092.5	6294.2	2432.8	811.7	751.1	775.0	765.1	707.3	647.3	617.5	613.4
57.5°	8049.4	6938.5	2333.6	746.4	688.7	726.0	734.7	690.4	636.8	609.9	605.3
60°	8651.7	7198.0	2073.6	685.2	639.1	686.9	717.2	685.7	640.8	638.5	635.0
62.5°	8937.4	7175.3	1683.5	636.8	608.2	670.0	730.1	712.0	687.5	708.5	710.2
65°	8809.2	6832.4	1253.7	604.7	586.0	676.4	768.5	761.6	700.9	721.9	724.8
67.5°	7964.8	6014.3	928.3	576.7	561.5	694.5	838.5	777.9	674.7	689.8	680.5
70°	6437.6	4768.2	716.1	545.2	536.5	692.2	870.0	768.0	646.1	649.6	624.5
72.5°	4439.3	3251.5	582.5	516.1	500.3	630.9	847.9	743.5	622.2	595.4	562.1
75°	2414.1	1745.3	495.1	485.7	436.8	554.0	807.0	726.0	600.6	565.0	546.4
77.5°	949.9	724.2	429.8	444.3	381.9	489.2	761.6	692.7	570.9	524.2	514.9
80°	387.8	369.7	356.3	384.3	328.3	428.0	706.7	653.7	535.3	486.3	467.7
82.5°	219.8	229.7	277.0	303.2	266.5	394.2	680.5	622.2	492.7	435.6	413.4
85°	112.5	134.7	193.0	217.5	195.9	335.3	626.9	544.6	395.4	333.5	335.3
87.5°	54.2	75.2	121.9	136.4	127.1	242.6	468.2	394.8	307.9	243.7	236.2
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)