

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: P318380

Luminaire Tested: **GAN-SA6D-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42272 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

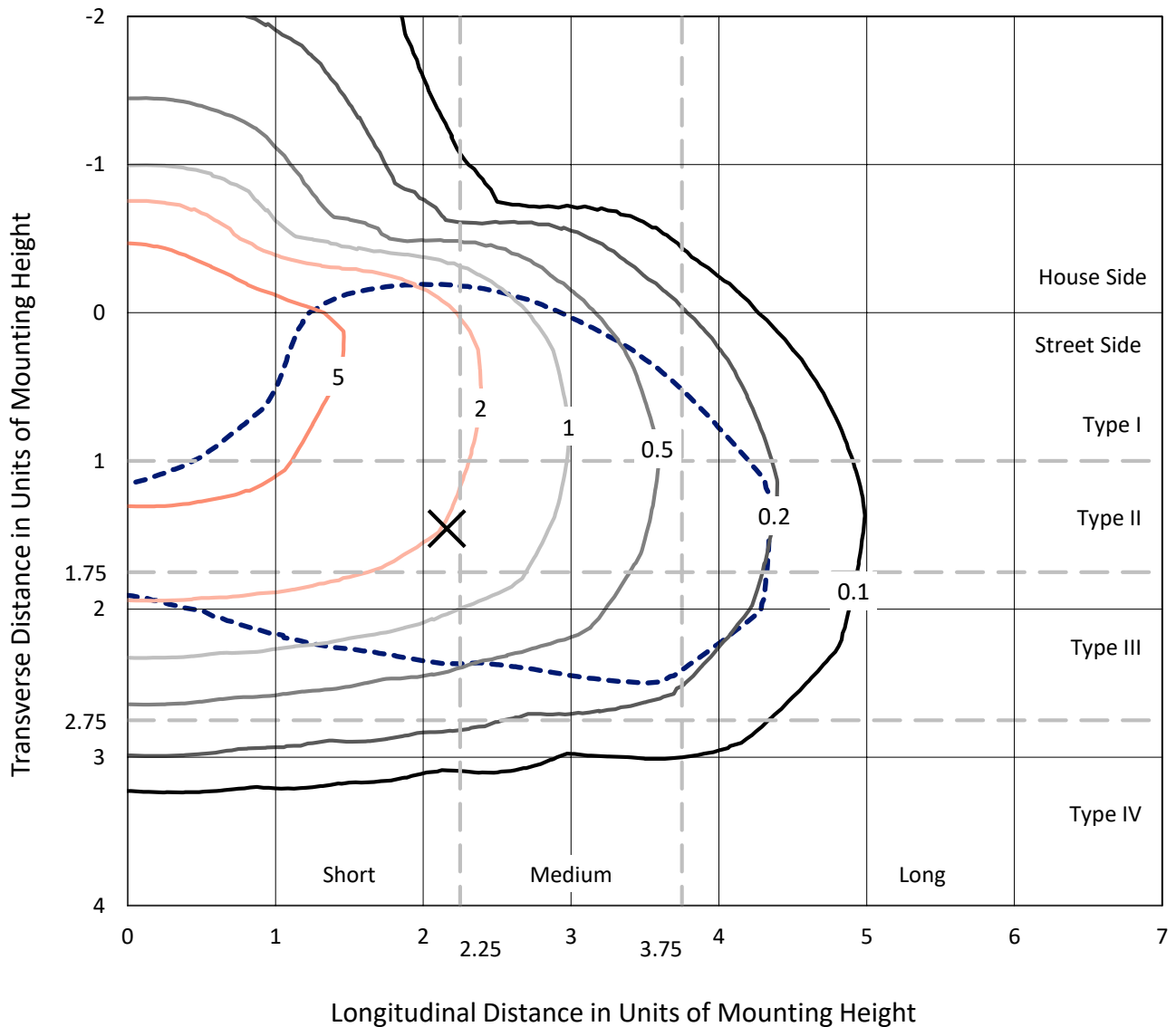
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318380
 CATALOG NUMBER: GAN-SA6D-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

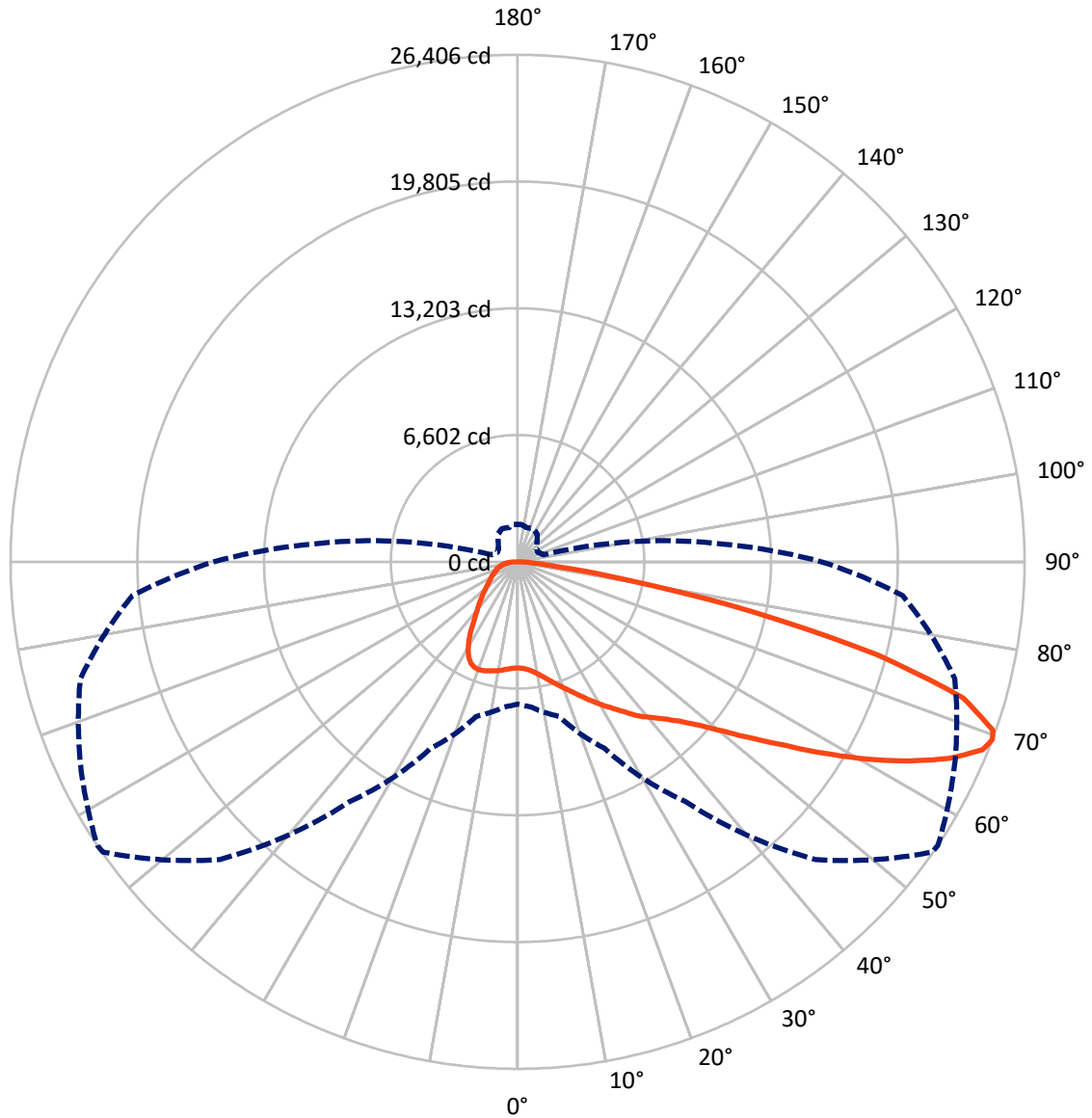
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

REPORT NUMBER: P318380
CATALOG NUMBER: GAN-SA6D-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P318380
 CATALOG NUMBER: GAN-SA6D-730-U-T3

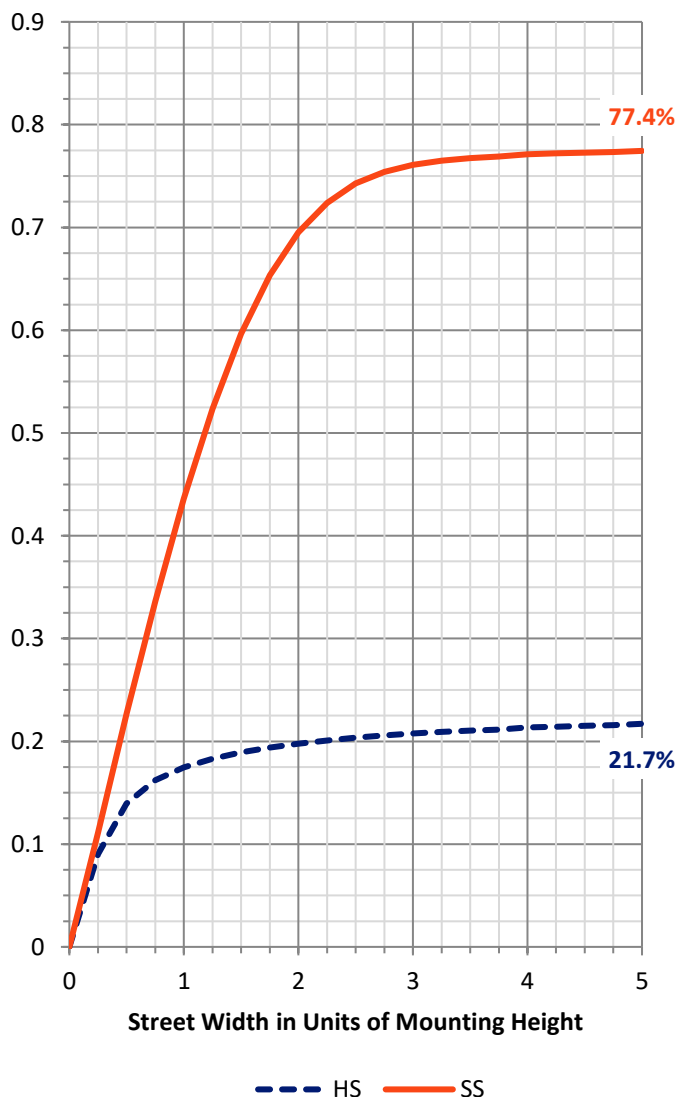
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9413.9	0.0	9413.9
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	32858.1	0.0	32858.1
	% Fixture	77.7	0.0	77.7
Total	Lumens	42272.0	0.0	42272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.8	1.3
10°-20°	1745.4	4.1
20°-30°	3046.7	7.2
30°-40°	4376.6	10.4
40°-50°	6056.9	14.3
50°-60°	8874.2	21.0
60°-70°	10819.3	25.6
70°-80°	5981.6	14.2
80°-90°	828.5	2.0
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°	42272.0	100.0
0°-180°	42272.0	100.0

Coefficient of Utilization

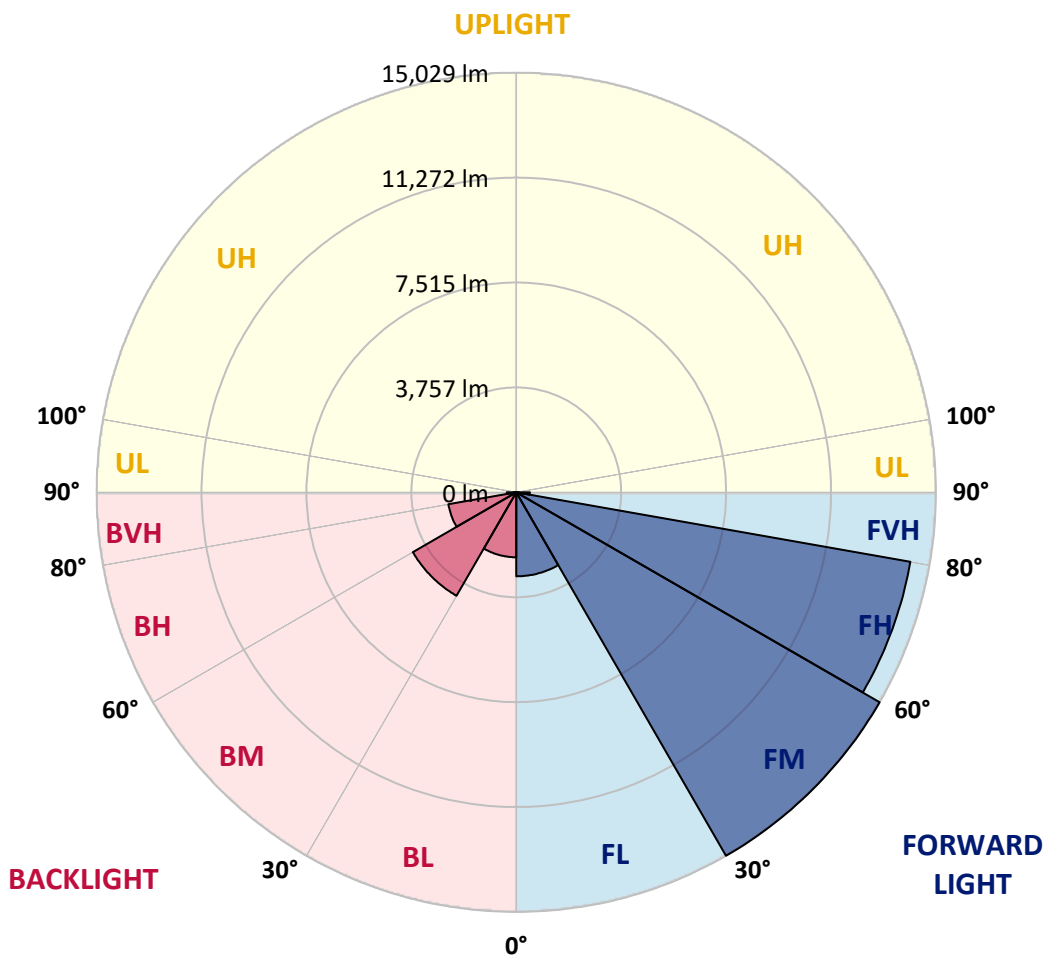


REPORT NUMBER: P318380
 CATALOG NUMBER: GAN-SA6D-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3008.5	7.1			
FM (30°-60°)	15029.3	35.6			
FH (60°-80°)	14332.3	33.9			G5
FVH (80°-90°)	488.0	1.2			G3/500
BL (0°-30°)	2326.4	5.5	B3/2500		
BM (30°-60°)	4278.4	10.1	B3/5000		
BH (60°-80°)	2468.6	5.8	B3/2500		G3/2500
BVH (80°-90°)	340.5	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





REPORT NUMBER: P318380
 CATALOG NUMBER: GAN-SA6D-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4
2.5°	5561.4	5567.2	5562.8	5574.5	5561.4	5570.1	5562.8	5562.8	5558.5	5545.4	5530.8
5°	5648.8	5660.4	5653.1	5664.8	5648.8	5651.7	5638.6	5638.6	5625.5	5597.8	5568.7
7.5°	5785.6	5798.7	5792.9	5804.6	5782.7	5782.7	5765.3	5763.8	5737.6	5692.4	5658.9
10°	5948.7	5966.2	5960.4	5977.9	5960.4	5966.2	5948.7	5948.7	5913.8	5849.7	5807.5
12.5°	6186.1	6207.9	6191.9	6190.5	6183.2	6194.8	6180.3	6177.4	6145.3	6058.0	5999.7
15°	6503.6	6526.9	6493.4	6490.5	6449.7	6445.3	6445.3	6440.9	6420.6	6315.7	6219.6
17.5°	6869.1	6876.4	6847.2	6800.6	6748.2	6714.7	6710.4	6722.0	6722.0	6599.7	6446.8
20°	7227.3	7240.4	7217.1	7164.7	7097.7	7048.2	7013.2	7036.5	7035.1	6889.5	6672.5
22.5°	7617.6	7648.2	7613.2	7546.2	7467.6	7412.3	7351.1	7371.5	7372.9	7193.8	6893.8
25°	8122.9	8095.2	8073.4	7978.7	7866.6	7809.8	7753.0	7773.4	7767.6	7521.5	7122.5
27.5°	8570.0	8575.8	8546.7	8446.2	8316.6	8191.3	8188.4	8201.5	8179.7	7862.2	7338.0
30°	9089.8	9092.8	9052.0	8961.7	8820.4	8658.8	8620.9	8642.8	8596.2	8185.5	7565.2
32.5°	9606.8	9621.4	9576.2	9467.0	9353.4	9156.8	9081.1	9095.7	8979.2	8516.1	7799.6
35°	10059.7	10080.1	10065.5	9992.7	9868.9	9700.0	9609.7	9601.0	9456.8	8920.9	8109.8
37.5°	10521.3	10540.3	10524.2	10463.1	10413.6	10234.4	10186.4	10186.4	9935.9	9334.5	8504.4
40°	10996.1	11025.2	11006.3	10921.8	10879.6	10798.0	10683.0	10655.3	10384.4	9831.1	9148.1
42.5°	11437.3	11475.2	11550.9	11501.4	11415.5	11427.1	11195.6	11181.0	10983.0	10565.0	9956.3
45°	12063.5	12118.8	12247.0	12209.1	12191.6	12127.6	11852.3	11839.2	11763.5	11552.3	10959.7
47.5°	12746.5	12822.2	13053.7	13061.0	13248.9	13128.0	12753.7	12708.6	12726.1	12734.8	12184.4
50°	13375.6	13458.6	13838.6	14017.8	14460.5	14486.7	13888.2	13847.4	13915.8	14116.8	13611.5
52.5°	13878.0	13982.8	14457.5	15010.9	15769.6	15985.1	15284.7	15254.1	15305.1	15651.7	15225.0
55°	14246.4	14360.0	14876.9	15884.7	17096.2	17476.3	16892.4	16863.2	16895.3	17336.5	16979.7
57.5°	14332.3	14360.0	15109.9	16473.0	18216.1	19129.2	18859.8	18801.5	18644.2	19028.7	18916.5
60°	13928.9	14039.6	14917.7	16679.8	19082.6	20758.7	20916.0	20843.2	20401.9	20716.5	20626.2
62.5°	13110.5	13308.6	14199.8	16365.2	19421.9	22089.7	22932.9	22845.5	22085.3	22289.2	21855.2
65°	11773.7	11858.2	12794.5	15280.3	18990.8	22941.6	24731.3	24687.6	23730.9	23412.0	22082.4
67.5°	9382.5	9541.3	10336.4	13013.0	17227.3	22841.1	26122.0	26117.6	24805.6	23828.4	21277.1
69°	7412.3	7576.8	8334.1	10719.4	15243.9	21922.2	26355.0	26406.0	25108.5	23575.1	20126.7
70°	5909.4	6100.2	6620.1	9028.7	13483.3	20710.6	26161.3	26253.1	25050.2	23157.1	19065.1
72.5°	2514.9	2669.3	3039.2	4654.1	8217.6	15465.3	23920.2	24266.8	23700.3	21194.1	15756.5
75°	1098.0	1146.1	1313.5	1897.5	3647.9	8417.1	18738.9	19379.6	20265.0	17914.7	11737.3
77.5°	803.8	824.2	916.0	1114.0	1636.8	3179.0	12050.4	12423.2	14614.8	13036.3	7199.6
80°	621.8	636.4	707.7	818.4	1068.9	1285.9	5495.8	5816.2	8217.6	6695.8	2998.4
82.5°	495.1	505.3	554.8	602.9	738.3	779.1	1824.7	2024.2	3033.3	1849.4	793.7
85°	460.2	471.8	489.3	439.8	473.3	457.3	789.3	825.7	916.0	726.7	332.0
87.5°	208.2	246.1	484.9	342.2	251.9	201.0	323.3	337.8	380.1	381.5	147.1
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: P318380
 CATALOG NUMBER: GAN-SA6D-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4	5526.4
2.5°	5539.5	5535.2	5542.4	5525.0	5546.8	5545.4	5538.1	5541.0	5555.6	5554.1	5555.6
5°	5573.0	5570.1	5578.9	5565.7	5592.0	5600.7	5602.2	5615.3	5631.3	5635.6	5635.6
7.5°	5657.5	5657.5	5661.9	5644.4	5661.9	5660.4	5653.1	5666.2	5682.2	5683.7	5682.2
10°	5803.1	5804.6	5797.3	5752.1	5737.6	5698.3	5661.9	5663.3	5683.7	5699.7	5704.1
12.5°	5986.6	5980.8	5948.7	5865.7	5804.6	5724.5	5686.6	5685.2	5705.5	5718.7	5723.0
15°	6196.3	6180.3	6097.3	5961.8	5854.1	5775.4	5714.3	5699.7	5688.1	5673.5	5675.0
17.5°	6394.3	6357.9	6219.6	6031.7	5918.2	5813.3	5695.4	5600.7	5535.2	5497.3	5485.7
20°	6595.3	6524.0	6324.4	6097.3	5953.1	5762.3	5535.2	5342.9	5223.5	5168.2	5158.0
22.5°	6778.8	6663.8	6422.0	6165.7	5925.4	5590.5	5233.7	4954.1	4788.1	4713.8	4719.7
25°	6957.9	6797.7	6524.0	6213.8	5785.6	5287.6	4814.3	4470.7	4278.4	4195.4	4192.5
27.5°	7115.2	6933.2	6634.6	6174.5	5525.0	4856.6	4317.7	3982.8	3822.6	3751.3	3739.6
30°	7295.8	7103.5	6781.7	6024.5	5143.4	4358.5	3832.8	3596.9	3483.3	3412.0	3398.9
32.5°	7515.7	7335.1	6902.6	5752.1	4655.6	3838.6	3454.2	3289.6	3186.3	3106.2	3091.6
35°	7836.0	7640.9	6933.2	5361.9	4119.7	3428.0	3176.1	3007.1	2867.3	2763.9	2753.7
37.5°	8237.9	8023.9	6863.3	4856.6	3599.8	3161.5	2944.5	2736.3	2554.2	2408.6	2385.3
40°	8817.5	8494.2	6669.6	4274.1	3216.8	2956.2	2718.8	2481.4	2255.7	2085.3	2051.8
42.5°	9513.6	9046.2	6372.5	3694.5	2935.8	2747.9	2494.5	2200.4	1984.9	1864.0	1846.5
45°	10399.0	9619.9	5960.4	3187.7	2659.1	2539.7	2252.8	1981.9	1848.0	1759.1	1744.6
47.5°	11409.6	10263.6	5527.9	2775.6	2424.6	2344.5	2059.1	1884.4	1778.1	1708.2	1695.1
50°	12651.8	10990.2	5069.2	2437.7	2188.7	2110.1	1967.4	1830.5	1746.0	1692.1	1679.0
52.5°	14052.7	11810.1	4738.6	2171.3	1993.6	1936.8	1919.3	1801.4	1732.9	1692.1	1679.0
55°	15561.4	12644.5	4381.8	1947.0	1824.7	1840.7	1887.3	1804.3	1757.7	1708.2	1689.2
57.5°	17071.5	13506.6	3984.3	1757.7	1690.7	1769.3	1865.4	1810.1	1770.8	1722.7	1705.3
60°	18265.6	14052.7	3368.3	1599.0	1584.4	1690.7	1813.0	1766.4	1715.4	1716.9	1714.0
62.5°	18823.3	14023.6	2688.2	1457.7	1478.1	1584.4	1728.6	1698.0	1655.7	1712.5	1716.9
65°	18510.3	13324.6	2092.6	1329.5	1364.5	1473.7	1641.2	1664.5	1679.0	1788.3	1802.8
67.5°	17196.7	11964.5	1620.8	1217.4	1261.1	1398.0	1649.9	1813.0	1831.9	1947.0	1945.5
69°	15838.1	10688.8	1408.2	1159.2	1210.1	1416.9	1763.5	1907.7	1836.3	1958.6	1941.2
70°	14699.3	9679.6	1294.6	1119.8	1186.8	1450.4	1839.2	1906.2	1814.5	1919.3	1890.2
72.5°	11320.8	6963.7	1098.0	1047.0	1108.2	1387.8	1861.1	1864.0	1763.5	1783.9	1734.4
75°	7764.7	4400.8	958.2	948.0	988.8	1250.9	1791.2	1781.0	1631.0	1601.9	1561.1
77.5°	4281.3	2235.3	814.0	853.4	881.0	1108.2	1628.1	1613.5	1489.7	1428.6	1414.0
80°	1651.4	978.6	687.3	758.7	776.2	959.7	1427.1	1414.0	1310.6	1232.0	1210.1
82.5°	623.3	512.6	567.9	656.8	650.9	792.2	1208.7	1201.4	1100.9	985.9	950.9
85°	288.3	307.3	450.0	541.7	499.5	586.9	966.9	980.0	857.7	720.8	720.8
87.5°	122.3	171.8	318.9	409.2	336.4	396.1	709.2	677.2	621.8	431.0	404.8
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)