

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: P318434

Luminaire Tested: **GAN-SA0A-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318434
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-SA0A-750-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46136 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

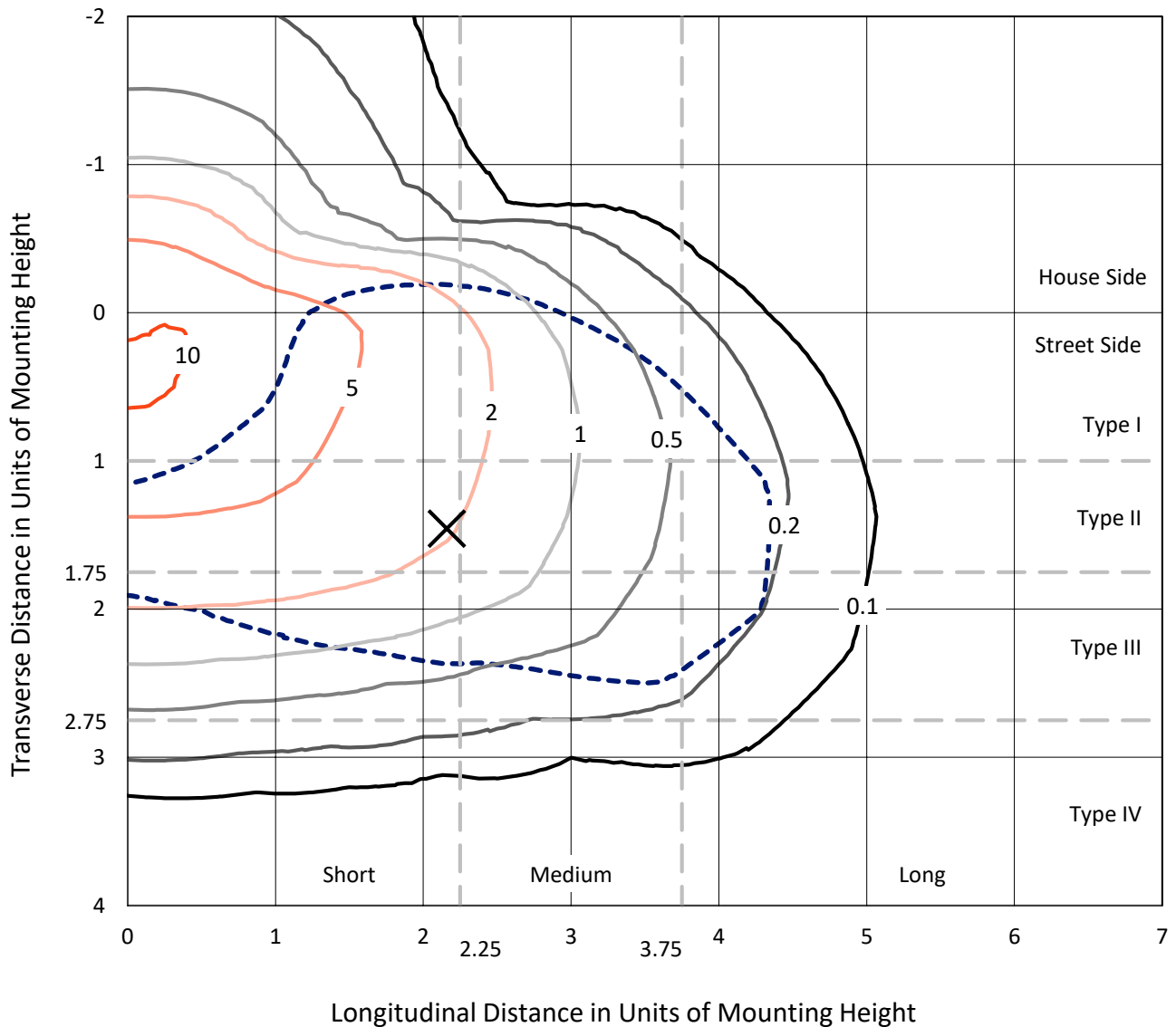
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

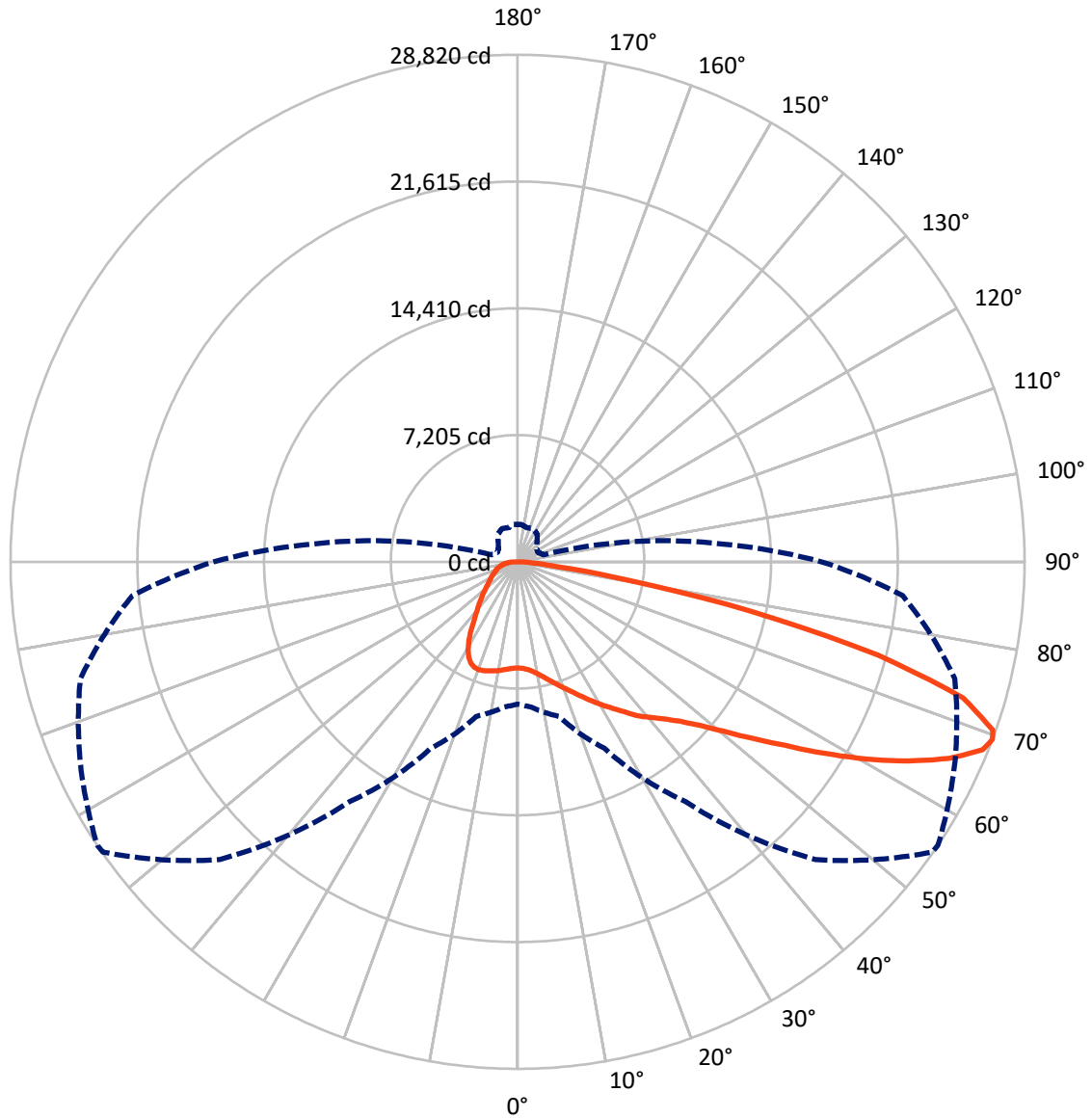
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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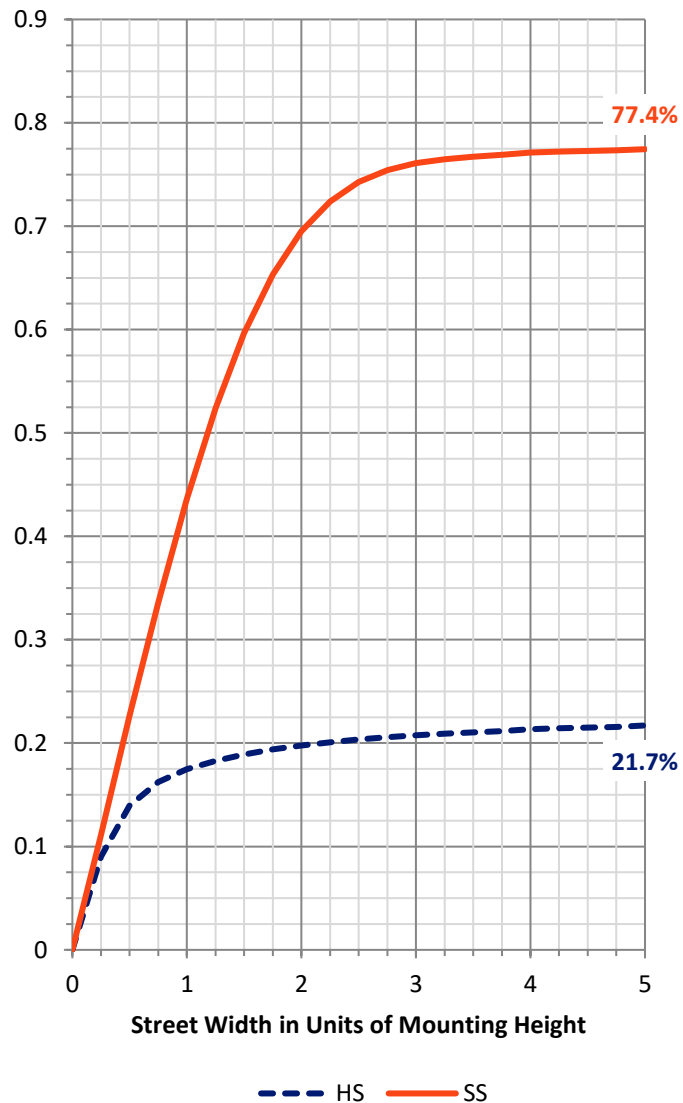
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10274.4	0.0	10274.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	35861.6	0.0	35861.6
	% Fixture	77.7	0.0	77.7
Total	Lumens	46136.0	0.0	46136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.4	1.3
10°-20°	1904.9	4.1
20°-30°	3325.2	7.2
30°-40°	4776.6	10.4
40°-50°	6610.6	14.3
50°-60°	9685.4	21.0
60°-70°	11808.3	25.6
70°-80°	6528.4	14.2
80°-90°	904.2	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°	46136.0	100.0
0°-180°	46136.0	100.0

Coefficient of Utilization

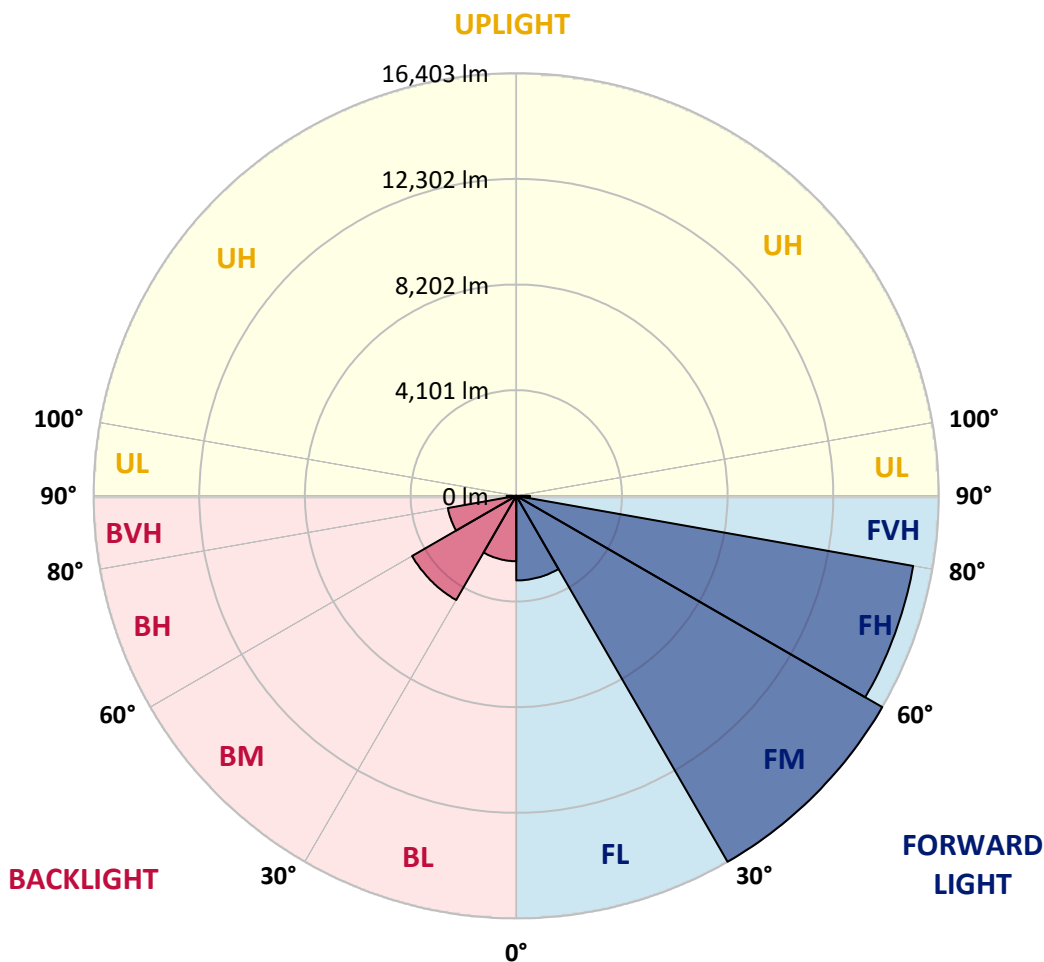


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3283.5	7.1			
FM (30°-60°)	16403.1	35.6			
FH (60°-80°)	15642.4	33.9			G5
FVH (80°-90°)	532.6	1.2			G4/750
BL (0°-30°)	2539.0	5.5	B4/5000		
BM (30°-60°)	4669.5	10.1	B3/5000		
BH (60°-80°)	2694.3	5.8	B4/5000		G4/5000
BVH (80°-90°)	371.6	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6
2.5°	6069.7	6076.1	6071.3	6084.0	6069.7	6079.3	6071.3	6071.3	6066.6	6052.2	6036.4
5°	6165.1	6177.8	6169.9	6182.6	6165.1	6168.3	6154.0	6154.0	6139.7	6109.5	6077.7
7.5°	6314.5	6328.8	6322.4	6335.2	6311.3	6311.3	6292.2	6290.7	6262.0	6212.8	6176.2
10°	6492.5	6511.6	6505.2	6524.3	6505.2	6511.6	6492.5	6492.5	6454.4	6384.4	6338.3
12.5°	6751.6	6775.4	6757.9	6756.3	6748.4	6761.1	6745.2	6742.0	6707.1	6611.7	6548.1
15°	7098.0	7123.5	7086.9	7083.7	7039.2	7034.5	7034.5	7029.7	7007.4	6893.0	6788.1
17.5°	7497.0	7504.9	7473.1	7422.3	7365.1	7328.5	7323.7	7336.4	7336.4	7202.9	7036.1
20°	7887.9	7902.3	7876.8	7819.6	7746.5	7692.5	7654.3	7679.7	7678.2	7519.2	7282.4
22.5°	8313.9	8347.3	8309.1	8236.0	8150.2	8089.8	8023.0	8045.3	8046.9	7851.4	7524.0
25°	8865.4	8835.2	8811.4	8708.1	8585.7	8523.7	8461.7	8484.0	8477.6	8209.0	7773.5
27.5°	9353.3	9359.7	9327.9	9218.2	9076.8	8940.1	8936.9	8951.2	8927.4	8580.9	8008.7
30°	9920.7	9923.9	9879.4	9780.9	9626.7	9450.3	9409.0	9432.8	9381.9	8933.7	8256.7
32.5°	10484.9	10500.8	10451.6	10332.4	10208.4	9993.8	9911.2	9927.1	9799.9	9294.5	8512.6
35°	10979.2	11001.5	10985.6	10906.1	10771.0	10586.7	10488.1	10478.6	10321.2	9736.4	8851.1
37.5°	11483.1	11503.7	11486.2	11419.5	11365.4	11170.0	11117.5	11117.5	10844.1	10187.7	9281.8
40°	12001.2	12033.0	12012.3	11920.1	11874.0	11785.0	11659.5	11629.3	11333.7	10729.7	9984.3
42.5°	12482.8	12524.1	12606.7	12552.7	12458.9	12471.6	12218.9	12203.0	11986.9	11530.7	10866.4
45°	13166.2	13226.6	13366.4	13325.1	13306.0	13236.1	12935.7	12921.4	12838.8	12608.3	11961.5
47.5°	13911.6	13994.2	14246.9	14254.9	14459.9	14328.0	13919.5	13870.3	13889.3	13898.9	13298.1
50°	14598.2	14688.8	15103.6	15299.1	15782.3	15810.9	15157.6	15113.1	15187.8	15407.2	14855.7
52.5°	15146.5	15260.9	15779.1	16383.0	17211.1	17446.3	16681.8	16648.5	16704.1	17082.3	16616.7
55°	15548.6	15672.6	16236.8	17336.6	18659.0	19073.8	18436.5	18404.7	18439.7	18921.2	18531.8
57.5°	15642.4	15672.6	16491.1	17978.7	19881.2	20877.7	20583.7	20520.1	20348.5	20768.1	20645.7
60°	15202.1	15322.9	16281.3	18204.4	20826.9	22656.2	22827.9	22748.4	22266.8	22610.1	22511.6
62.5°	14308.9	14525.1	15497.8	17861.1	21197.2	24108.9	25029.1	24933.7	24104.1	24326.6	23853.0
65°	12849.9	12942.1	13964.0	16677.1	20726.7	25038.6	26992.0	26944.3	25900.1	25552.0	24100.9
67.5°	10240.2	10413.4	11281.2	14202.4	18802.0	24929.0	28509.8	28505.0	27073.0	26006.6	23222.0
69°	8089.8	8269.4	9095.9	11699.2	16637.3	23926.1	28764.1	28819.7	27403.6	25730.0	21966.4
70°	6449.6	6657.8	7225.2	9854.0	14715.8	22603.8	28552.7	28652.8	27340.0	25273.9	20807.8
72.5°	2744.8	2913.3	3317.0	5079.6	8968.7	16878.9	26106.7	26484.9	25866.7	23131.4	17196.8
75°	1198.4	1250.8	1433.6	2070.9	3981.3	9186.4	20451.8	21151.1	22117.4	19552.2	12810.2
77.5°	877.3	899.6	999.7	1215.9	1786.4	3469.6	13151.9	13558.8	15950.7	14227.9	7857.8
80°	678.7	694.5	772.4	893.2	1166.6	1403.4	5998.2	6347.9	8968.7	7307.8	3272.5
82.5°	540.4	551.5	605.5	658.0	805.8	850.3	1991.5	2209.2	3310.6	2018.5	866.2
85°	502.2	514.9	534.0	480.0	516.5	499.1	861.4	901.2	999.7	793.1	362.4
87.5°	227.3	268.6	529.3	373.5	275.0	219.3	352.8	368.7	414.8	416.4	160.5
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°	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6	6031.6
2.5°	6045.9	6041.1	6049.1	6030.0	6053.8	6052.2	6044.3	6047.5	6063.4	6061.8	6063.4
5°	6082.4	6079.3	6088.8	6074.5	6103.1	6112.6	6114.2	6128.5	6146.0	6150.8	6150.8
7.5°	6174.6	6174.6	6179.4	6160.3	6179.4	6177.8	6169.9	6184.2	6201.6	6203.2	6201.6
10°	6333.6	6335.2	6327.2	6277.9	6262.0	6219.1	6179.4	6181.0	6203.2	6220.7	6225.5
12.5°	6533.8	6527.5	6492.5	6401.9	6335.2	6247.7	6206.4	6204.8	6227.1	6241.4	6246.1
15°	6762.7	6745.2	6654.6	6506.8	6389.2	6303.4	6236.6	6220.7	6208.0	6192.1	6193.7
17.5°	6978.8	6939.1	6788.1	6583.1	6459.1	6344.7	6216.0	6112.6	6041.1	5999.8	5987.1
20°	7198.2	7120.3	6902.6	6654.6	6497.3	6289.1	6041.1	5831.3	5701.0	5640.6	5629.5
22.5°	7398.4	7272.9	7009.0	6729.3	6467.1	6101.5	5712.1	5407.0	5225.8	5144.7	5151.1
25°	7593.9	7419.1	7120.3	6781.8	6314.5	5770.9	5254.4	4879.3	4669.5	4578.9	4575.7
27.5°	7765.6	7566.9	7241.1	6738.8	6030.0	5300.5	4712.4	4346.9	4172.0	4094.2	4081.5
30°	7962.6	7752.9	7401.6	6575.1	5613.6	4756.9	4183.2	3925.7	3801.7	3723.8	3709.5
32.5°	8202.6	8005.6	7533.5	6277.9	5081.2	4189.5	3769.9	3590.3	3477.5	3390.1	3374.2
35°	8552.3	8339.3	7566.9	5852.0	4496.3	3741.3	3466.4	3282.0	3129.4	3016.6	3005.5
37.5°	8991.0	8757.3	7490.6	5300.5	3928.9	3450.5	3213.7	2986.4	2787.7	2628.8	2603.4
40°	9623.5	9270.7	7279.2	4664.7	3510.9	3226.4	2967.3	2708.3	2461.9	2276.0	2239.4
42.5°	10383.2	9873.0	6955.0	4032.2	3204.1	2999.1	2722.6	2401.5	2166.3	2034.4	2015.3
45°	11349.6	10499.3	6505.2	3479.1	2902.2	2771.8	2458.7	2163.1	2016.9	1919.9	1904.0
47.5°	12452.6	11201.7	6033.2	3029.3	2646.3	2558.9	2247.3	2056.6	1940.6	1864.3	1850.0
50°	13808.3	11994.8	5532.5	2660.6	2388.8	2303.0	2147.2	1997.8	1905.6	1846.8	1832.5
52.5°	15337.2	12889.6	5171.7	2369.7	2175.8	2113.8	2094.8	1966.0	1891.3	1846.8	1832.5
55°	16983.8	13800.3	4782.4	2125.0	1991.5	2008.9	2059.8	1969.2	1918.3	1864.3	1843.6
57.5°	18632.0	14741.2	4348.5	1918.3	1845.2	1931.1	2036.0	1975.6	1932.7	1880.2	1861.1
60°	19935.2	15337.2	3676.2	1745.1	1729.2	1845.2	1978.7	1927.9	1872.3	1873.8	1870.7
62.5°	20544.0	15305.5	2933.9	1590.9	1613.2	1729.2	1886.6	1853.2	1807.1	1869.1	1873.8
65°	20202.2	14542.6	2283.9	1451.1	1489.2	1608.4	1791.2	1816.6	1832.5	1951.7	1967.6
67.5°	18768.6	13058.1	1768.9	1328.7	1376.4	1525.8	1800.7	1978.7	1999.4	2125.0	2123.4
69°	17285.8	11665.8	1536.9	1265.1	1320.8	1546.4	1924.7	2082.0	2004.2	2137.7	2118.6
70°	16042.9	10564.4	1412.9	1222.2	1295.3	1583.0	2007.4	2080.5	1980.3	2094.8	2063.0
72.5°	12355.6	7600.3	1198.4	1142.7	1209.5	1514.7	2031.2	2034.4	1924.7	1947.0	1892.9
75°	8474.4	4803.0	1045.8	1034.7	1079.2	1365.3	1954.9	1943.8	1780.1	1748.3	1703.8
77.5°	4672.7	2439.7	888.4	931.4	961.6	1209.5	1776.9	1761.0	1625.9	1559.2	1543.3
80°	1802.3	1068.0	750.2	828.1	847.1	1047.4	1557.6	1543.3	1430.4	1344.6	1320.8
82.5°	680.2	559.5	619.8	716.8	710.4	864.6	1319.2	1311.2	1201.5	1076.0	1037.8
85°	314.7	335.4	491.1	591.2	545.1	640.5	1055.3	1069.6	936.1	786.7	786.7
87.5°	133.5	187.5	348.1	446.6	367.1	432.3	774.0	739.0	678.7	470.4	441.8
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)