

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: P318070

Luminaire Tested: **GAN-SA6A-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-740-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27353 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

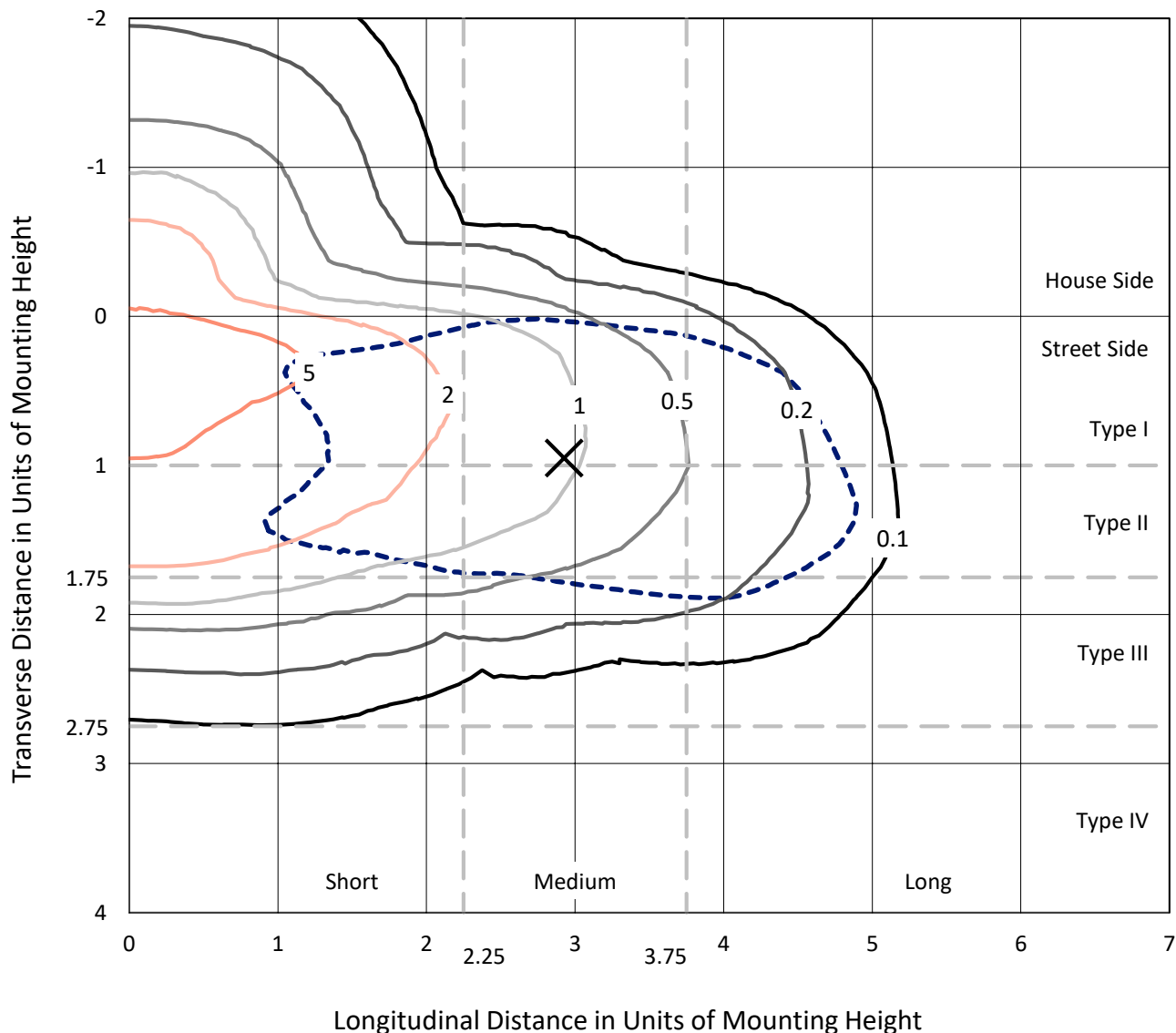
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318070
 CATALOG NUMBER: GAN-SA6A-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

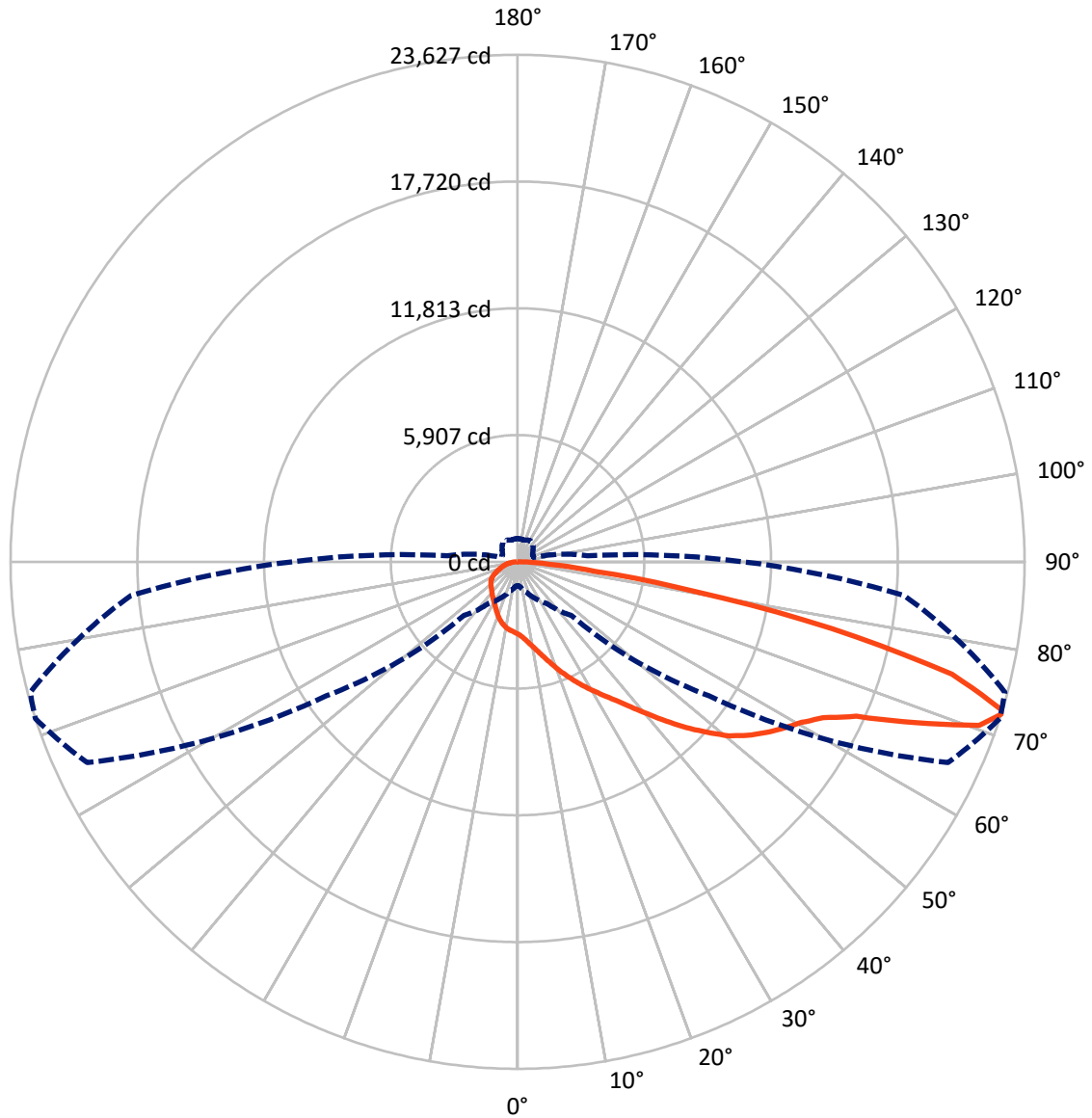
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P318070
CATALOG NUMBER: GAN-SA6A-740-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P318070
 CATALOG NUMBER: GAN-SA6A-740-U-T2

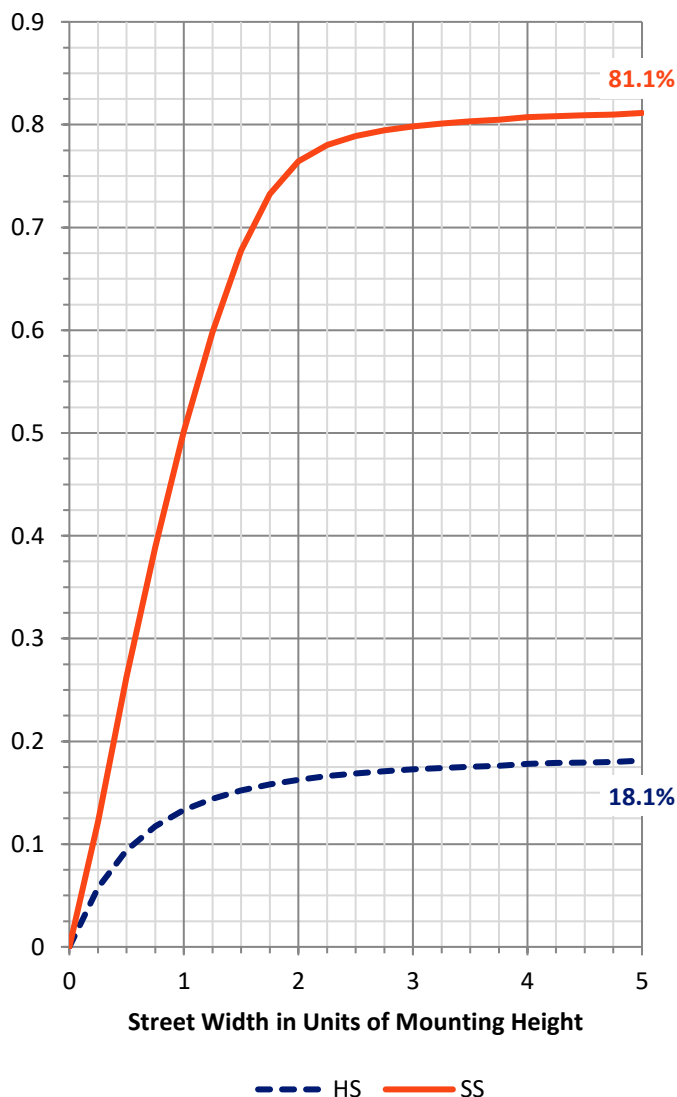
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5074.2	0.0	5074.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	22278.8	0.0	22278.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	27353.0	0.0	27353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	1.2
10°-20°	1089.7	4.0
20°-30°	1909.4	7.0
30°-40°	2831.1	10.4
40°-50°	4140.7	15.1
50°-60°	5697.5	20.8
60°-70°	6343.0	23.2
70°-80°	4298.0	15.7
80°-90°	706.4	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°	27353.0	100.0
0°-180°	27353.0	100.0

Coefficient of Utilization

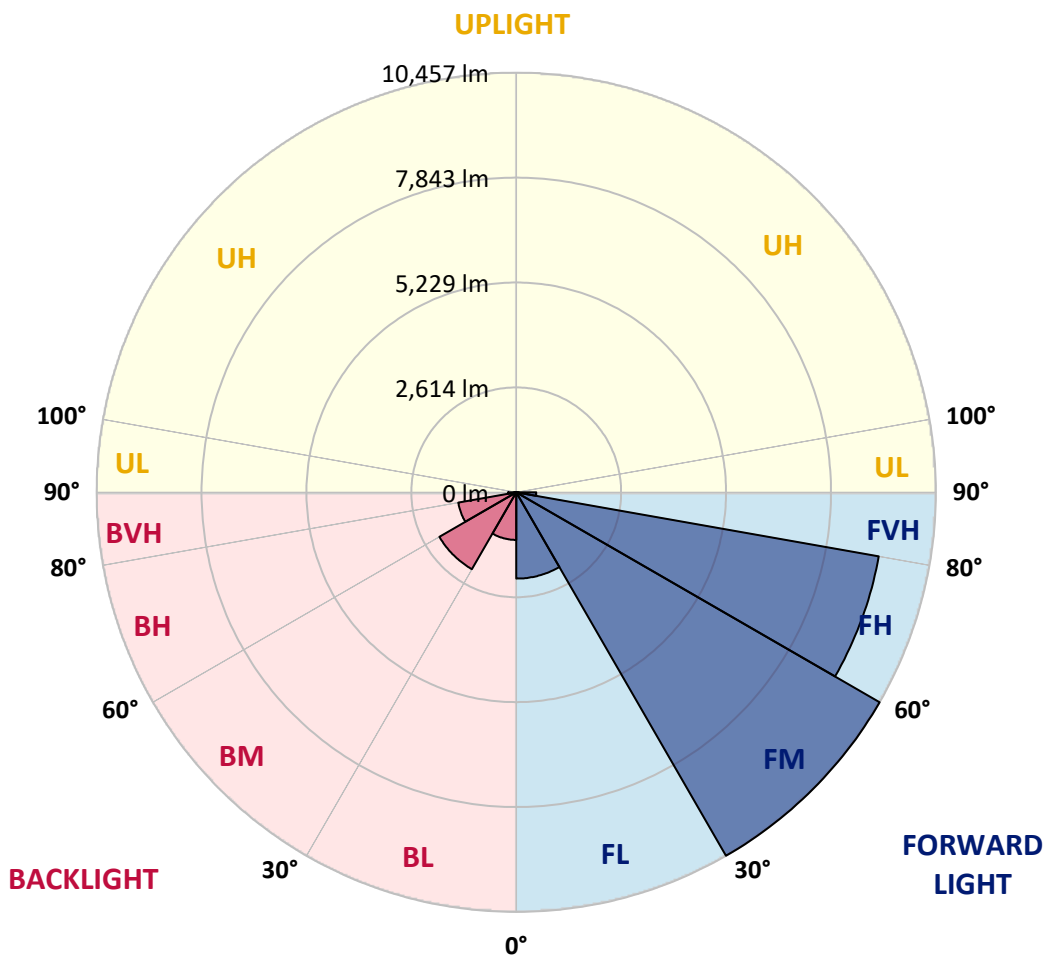


REPORT NUMBER: P318070
 CATALOG NUMBER: GAN-SA6A-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2150.1	7.9			
FM (30°-60°)	10457.4	38.2			
FH (60°-80°)	9173.0	33.5			G4/12000
FVH (80°-90°)	498.3	1.8			G3/500
BL (0°-30°)	1186.2	4.3	B3/2500		
BM (30°-60°)	2211.9	8.1	B2/2500		
BH (60°-80°)	1468.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	208.1	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P318070

CATALOG NUMBER: GAN-SA6A-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1
2.5°	3717.4	3711.7	3691.9	3691.9	3654.3	3622.3	3562.0	3521.5	3473.4	3456.5	3400.0
5°	4077.2	4079.0	4054.5	4037.6	3982.0	3914.2	3811.6	3718.3	3625.1	3587.4	3471.6
7.5°	4379.5	4375.7	4369.1	4355.0	4303.2	4233.5	4095.0	3956.6	3819.1	3762.6	3562.9
10°	4573.5	4582.0	4587.6	4594.2	4572.5	4522.6	4391.7	4223.1	4043.2	3966.0	3672.2
12.5°	4671.4	4686.5	4712.9	4758.1	4793.9	4788.2	4693.1	4514.2	4300.4	4203.4	3808.7
15°	4728.9	4748.7	4790.1	4871.1	4971.9	5029.3	5003.9	4841.9	4603.6	4484.0	3975.4
17.5°	4764.7	4780.7	4844.7	4953.0	5102.8	5255.4	5322.2	5186.6	4946.5	4809.9	4166.6
20°	4789.2	4801.4	4881.5	5008.6	5202.6	5445.6	5632.1	5598.2	5324.1	5147.1	4366.3
22.5°	4843.8	4854.2	4930.4	5058.5	5273.3	5586.9	5930.7	5981.5	5722.5	5521.9	4580.1
25°	4996.4	4996.4	5060.4	5149.9	5351.4	5709.3	6183.1	6408.2	6129.4	5895.8	4777.9
27.5°	5287.4	5284.6	5308.1	5339.2	5491.8	5833.6	6408.2	6784.9	6551.3	6296.1	4970.0
30°	5632.1	5650.9	5653.8	5638.7	5710.3	5989.1	6616.3	7182.3	6976.1	6701.1	5166.8
32.5°	6075.7	6087.9	6073.8	6023.9	6013.5	6209.4	6820.7	7598.6	7435.7	7123.9	5346.7
35°	6638.9	6615.4	6571.1	6469.4	6372.4	6504.2	7054.3	8014.9	7951.8	7635.4	5594.4
37.5°	7242.6	7243.6	7188.9	6958.2	6824.4	6881.0	7376.4	8486.8	8576.2	8243.8	5911.8
40°	7726.7	7752.1	7786.0	7482.8	7309.5	7387.7	7786.0	9034.0	9314.6	8965.2	6325.3
42.5°	8064.8	8094.0	8190.1	7999.8	7820.0	7965.0	8268.3	9617.9	10143.4	9797.8	6809.4
45°	8422.7	8438.7	8506.5	8424.6	8309.7	8636.5	8811.7	10222.5	11020.3	10685.0	7350.9
47.5°	8799.4	8816.4	8886.1	8831.5	8771.2	9263.8	9378.7	10792.3	11860.4	11659.8	7929.2
50°	9264.7	9276.0	9341.9	9243.0	9261.9	9736.6	9885.4	11315.1	12741.0	12535.7	8509.4
52.5°	9899.5	9902.3	9993.7	9904.2	9815.7	10083.2	10321.4	11807.6	13431.3	13334.3	9089.5
55°	10396.8	10426.9	10726.4	10707.6	10656.7	10397.7	10685.9	12276.7	14047.3	14093.4	9705.5
57.5°	10079.4	10197.1	10803.6	11231.2	11647.5	11180.4	11178.5	12805.0	14619.9	14838.4	10382.7
60°	8827.7	8987.8	9881.6	10830.0	12132.6	12542.3	12201.3	13450.2	15198.2	15576.8	11231.2
62.5°	6304.6	6568.3	7779.5	9293.9	11467.6	13444.5	14282.7	14473.9	15984.6	16432.0	12334.1
65°	3187.1	3386.8	4402.1	6226.4	9162.1	12854.9	16545.0	16715.5	17351.2	17748.6	14032.2
67.5°	1936.4	2011.7	2507.1	3463.1	5617.0	10013.5	17283.4	20451.7	19995.8	20206.8	16453.6
70°	1426.9	1482.4	1791.3	2299.9	3230.5	5876.0	15017.4	23118.0	22818.5	22794.9	18243.1
72°	1111.4	1151.8	1425.0	1858.2	2362.1	3525.2	10884.6	22133.8	23626.6	23507.9	18079.2
72.5°	1053.9	1089.7	1338.3	1749.0	2232.1	3195.6	9786.5	21469.8	23568.2	23514.5	17867.3
75°	829.7	855.2	990.8	1352.5	1747.1	1813.0	5362.7	16638.2	20907.5	21776.8	16070.3
77.5°	686.6	690.4	761.9	984.2	1361.9	1281.8	2634.3	11543.9	14971.2	15927.2	11383.8
80°	559.4	564.2	598.1	690.4	1030.4	948.4	1250.7	6638.0	8382.2	8392.6	5413.6
82.5°	445.5	446.4	484.1	504.8	740.3	678.1	716.7	3116.5	3662.7	3523.4	1945.8
85°	313.6	307.0	472.8	414.4	484.1	435.1	395.6	1233.8	1514.5	1448.5	609.4
87.5°	104.5	108.3	210.0	268.4	282.5	246.8	176.1	472.8	571.7	567.0	193.1
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: P318070

CATALOG NUMBER: GAN-SA6A-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1	3365.1
2.5°	3382.1	3351.9	3307.7	3258.7	3220.1	3180.5	3151.3	3136.3	3119.3	3105.2	3122.1
5°	3417.9	3361.4	3267.2	3174.9	3107.1	3046.8	3003.5	2980.9	2960.1	2946.0	2947.9
7.5°	3476.3	3384.9	3226.7	3092.0	2997.8	2932.8	2888.6	2873.5	2860.3	2856.5	2861.3
10°	3538.4	3403.7	3173.0	2994.1	2886.7	2833.0	2813.2	2823.6	2833.0	2841.5	2850.9
12.5°	3609.1	3420.7	3094.8	2879.2	2787.8	2767.1	2786.9	2832.1	2865.0	2884.8	2897.0
15°	3701.4	3435.8	3004.4	2764.2	2703.0	2726.6	2793.4	2871.6	2929.1	2965.8	2971.5
17.5°	3786.1	3434.8	2888.6	2648.4	2634.3	2703.0	2803.8	2914.0	2991.2	3043.0	3053.4
20°	3873.7	3409.4	2753.9	2535.4	2564.6	2677.6	2808.5	2941.3	3034.6	3094.8	3109.0
22.5°	3955.7	3365.1	2606.0	2432.7	2506.2	2643.7	2790.6	2925.3	3018.5	3067.5	3082.6
25°	4011.2	3287.9	2456.3	2346.1	2454.4	2602.3	2732.2	2840.5	2910.2	2934.7	2938.5
27.5°	4039.5	3187.1	2315.0	2270.7	2400.7	2534.4	2623.9	2677.6	2697.4	2695.5	2691.7
30°	4043.2	3054.3	2193.5	2209.5	2338.5	2434.6	2477.0	2466.6	2441.2	2397.9	2401.6
32.5°	4031.0	2904.6	2091.8	2151.1	2259.4	2313.1	2315.0	2265.1	2197.3	2128.5	2109.7
35°	4034.8	2757.7	2002.3	2085.2	2163.4	2186.9	2165.3	2091.8	1999.5	1911.0	1892.1
37.5°	4076.2	2629.6	1925.1	2008.9	2056.9	2062.6	2031.5	1954.3	1886.5	1799.8	1792.3
40°	4175.1	2538.2	1851.6	1923.2	1950.5	1953.3	1909.1	1854.4	1860.1	1814.0	1813.0
42.5°	4353.1	2498.7	1786.6	1833.7	1850.7	1856.3	1822.4	1787.6	1836.6	1806.4	1796.1
45°	4582.9	2508.1	1732.0	1746.1	1777.2	1803.6	1782.9	1740.5	1759.3	1628.4	1585.1
47.5°	4848.5	2568.4	1688.7	1670.8	1724.5	1774.4	1742.4	1678.3	1611.5	1481.5	1457.0
50°	5159.3	2661.6	1649.1	1596.4	1667.0	1734.8	1702.8	1611.5	1510.7	1447.6	1439.1
52.5°	5483.3	2775.6	1609.6	1514.5	1594.5	1704.7	1688.7	1596.4	1472.1	1409.9	1398.6
55°	5850.6	2890.5	1559.7	1419.3	1516.3	1690.6	1682.1	1541.8	1442.9	1408.0	1399.5
57.5°	6307.4	3021.4	1493.7	1320.4	1442.9	1639.7	1613.3	1508.8	1412.7	1386.4	1383.5
60°	6902.6	3214.4	1398.6	1215.0	1353.4	1561.5	1555.9	1460.8	1364.7	1345.9	1342.1
62.5°	7795.5	3533.7	1267.7	1109.5	1253.6	1428.7	1480.5	1395.8	1313.8	1312.9	1314.8
65°	9179.9	4014.0	1125.5	1017.2	1152.8	1316.7	1393.0	1328.9	1262.0	1280.9	1283.7
67.5°	10784.8	4412.4	986.1	926.8	1050.1	1210.2	1313.8	1262.0	1193.3	1242.3	1243.2
70°	11318.8	4056.4	863.7	837.3	943.7	1107.6	1228.1	1188.6	1118.9	1167.9	1163.2
72°	10533.3	3274.7	784.5	769.5	863.7	1022.8	1151.8	1119.8	1051.1	1084.0	1071.8
72.5°	10285.6	3122.1	764.8	752.5	842.0	1001.2	1132.1	1102.9	1034.1	1062.4	1051.1
75°	9175.2	2711.5	657.4	660.2	734.6	895.7	1020.9	1011.5	940.9	943.7	939.9
77.5°	6654.9	1988.2	553.8	572.6	625.4	787.4	908.9	903.2	826.0	811.9	809.0
80°	3088.2	1014.3	451.1	459.6	514.2	658.3	775.1	767.6	705.4	687.5	677.2
82.5°	1057.7	482.2	339.1	344.7	398.4	530.2	672.5	667.8	616.0	581.1	559.4
85°	377.7	240.2	237.3	231.7	284.4	417.2	585.8	560.4	484.1	412.5	410.6
87.5°	122.4	102.7	122.4	121.5	165.8	282.5	425.7	362.6	351.3	292.0	286.3
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)