

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: P318430

Luminaire Tested: **GAN-SA6A-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318430
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-SA6A-750-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 27878 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

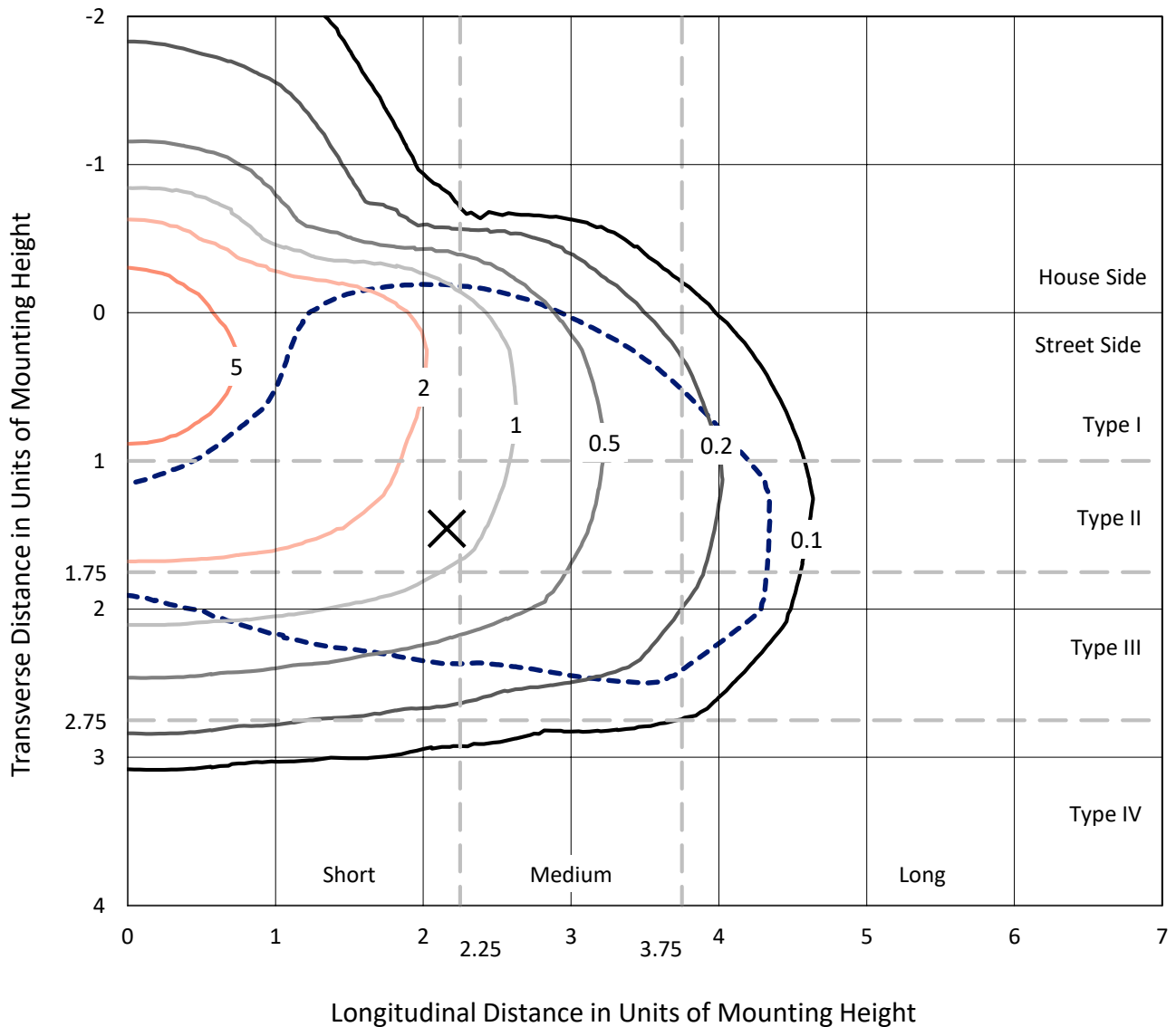
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318430
 CATALOG NUMBER: GAN-SA6A-750-U-T3

Iso-Footcandle Lines of Horizontal Illumination

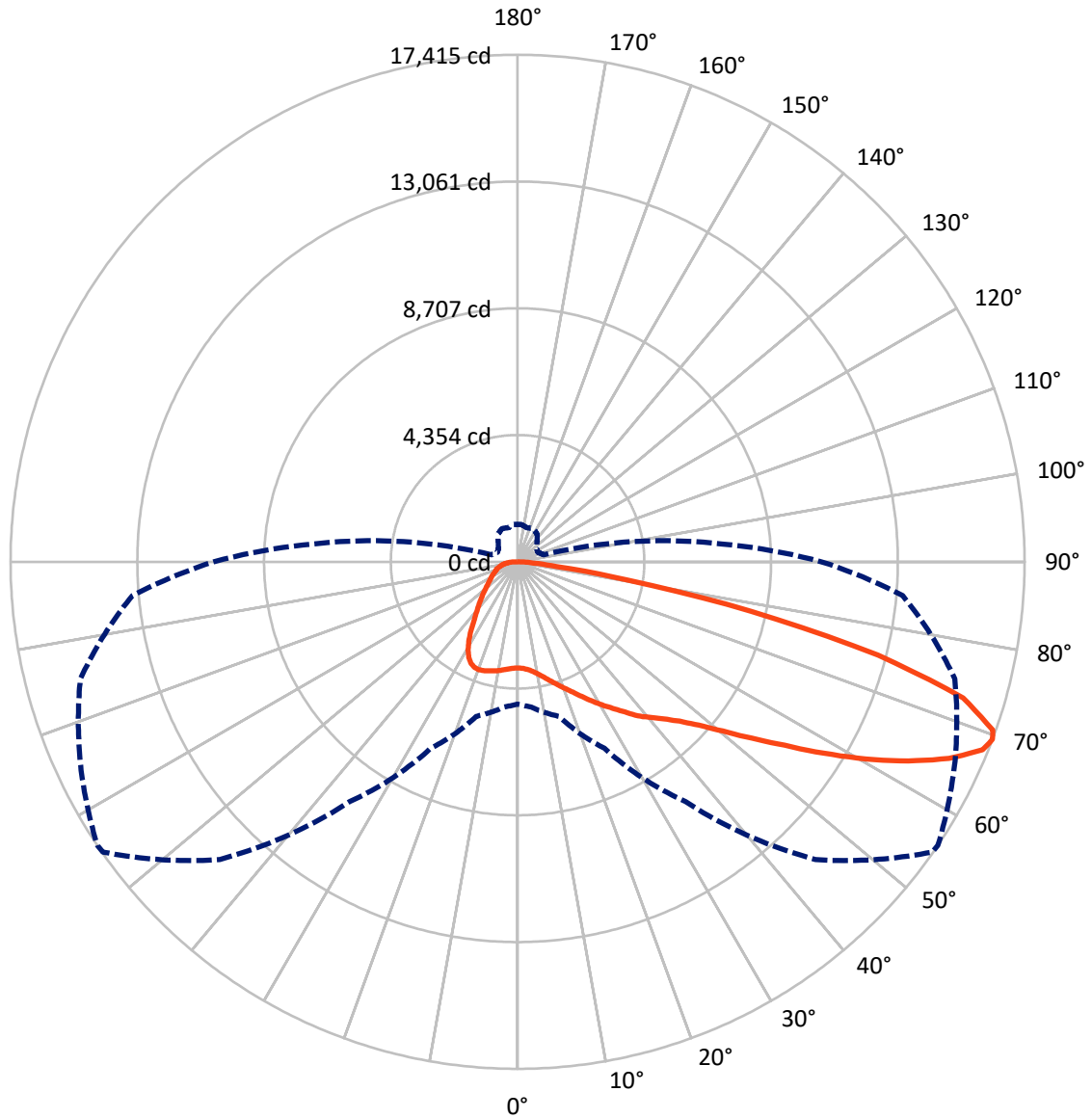
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

REPORT NUMBER: P318430
CATALOG NUMBER: GAN-SA6A-750-U-T3

Luminous Intensity Polar Plot



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

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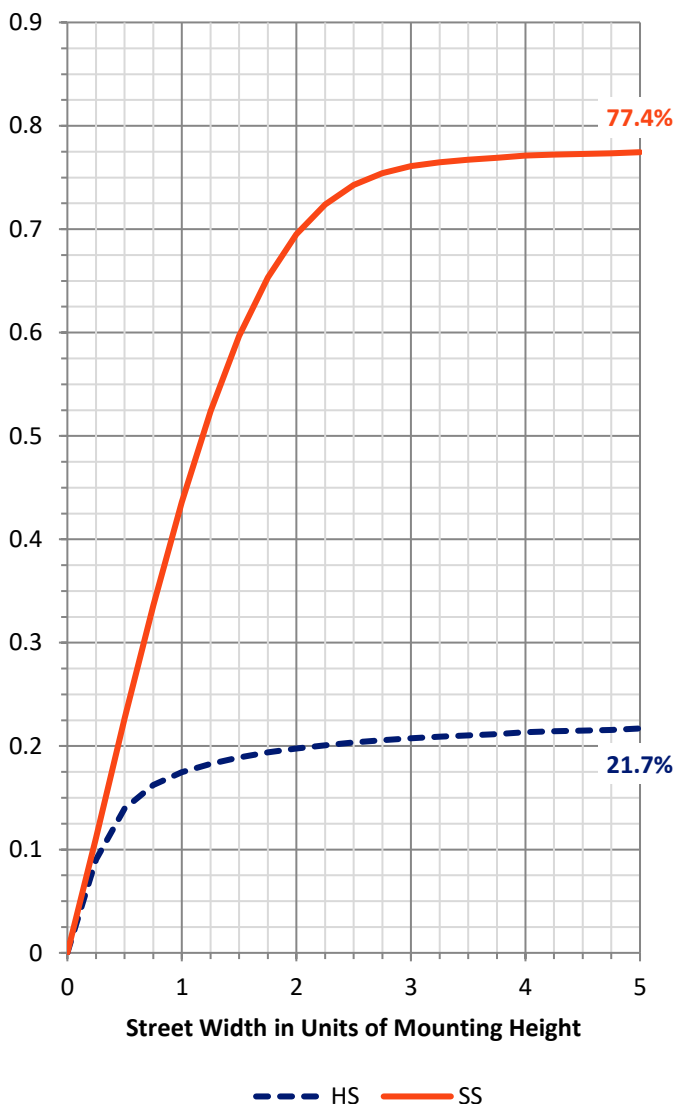
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6208.4	0.0	6208.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	21669.6	0.0	21669.6
	% Fixture	77.7	0.0	77.7
Total	Lumens	27878.0	0.0	27878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.0	1.3
10°-20°	1151.1	4.1
20°-30°	2009.3	7.2
30°-40°	2886.3	10.4
40°-50°	3994.5	14.3
50°-60°	5852.5	21.0
60°-70°	7135.3	25.6
70°-80°	3944.8	14.2
80°-90°	546.4	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°	27878.0	100.0
0°-180°	27878.0	100.0

Coefficient of Utilization

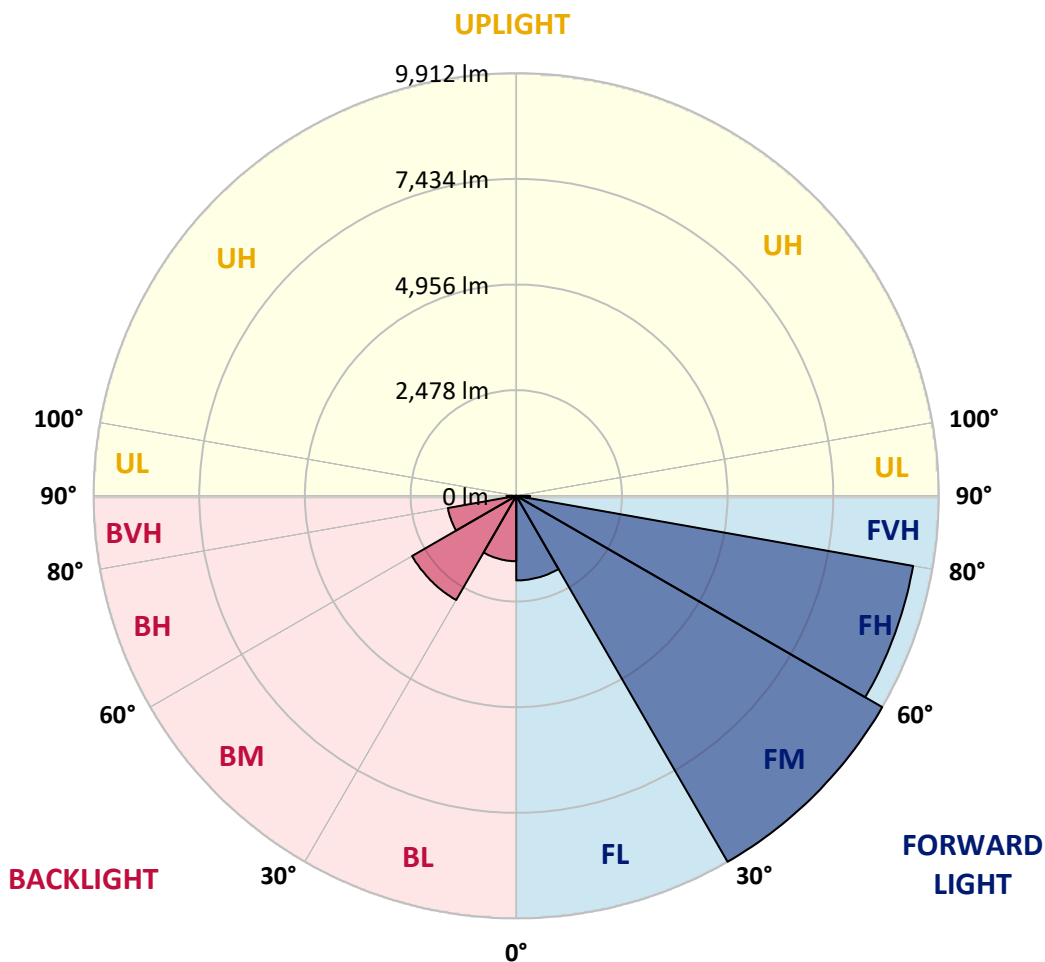


REPORT NUMBER: P318430
 CATALOG NUMBER: GAN-SA6A-750-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1984.1	7.1			
FM (30°-60°)	9911.7	35.6			
FH (60°-80°)	9452.0	33.9			G4/12000
FVH (80°-90°)	321.8	1.2			G3/500
BL (0°-30°)	1534.2	5.5	B3/2500		
BM (30°-60°)	2821.6	10.1	B3/5000		
BH (60°-80°)	1628.0	5.8	B3/2500		G3/2500
BVH (80°-90°)	224.5	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 Short





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CATALOG NUMBER: GAN-SA6A-750-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6
2.5°	3667.7	3671.5	3668.6	3676.3	3667.7	3673.4	3668.6	3668.6	3665.8	3657.1	3647.5
5°	3725.3	3733.0	3728.2	3735.9	3725.3	3727.2	3718.6	3718.6	3709.9	3691.7	3672.5
7.5°	3815.6	3824.2	3820.4	3828.1	3813.7	3813.7	3802.1	3801.2	3783.9	3754.1	3732.0
10°	3923.1	3934.7	3930.8	3942.3	3930.8	3934.7	3923.1	3923.1	3900.1	3857.8	3830.0
12.5°	4079.7	4094.1	4083.5	4082.6	4077.8	4085.4	4075.8	4073.9	4052.8	3995.2	3956.8
15°	4289.0	4304.4	4282.3	4280.4	4253.5	4250.6	4250.6	4247.7	4234.3	4165.2	4101.8
17.5°	4530.1	4534.9	4515.7	4485.0	4450.4	4428.3	4425.4	4433.1	4433.1	4352.4	4251.6
20°	4766.3	4775.0	4759.6	4725.1	4680.9	4648.2	4625.2	4640.5	4639.6	4543.5	4400.4
22.5°	5023.7	5043.9	5020.8	4976.7	4924.8	4888.3	4848.0	4861.4	4862.4	4744.3	4546.4
25°	5357.0	5338.7	5324.3	5261.9	5188.0	5150.5	5113.0	5126.5	5122.6	4960.3	4697.2
27.5°	5651.8	5655.7	5636.4	5570.2	5484.7	5402.1	5400.2	5408.8	5394.4	5185.1	4839.3
30°	5994.7	5996.6	5969.7	5910.2	5817.0	5710.4	5685.4	5699.8	5669.1	5398.3	4989.2
32.5°	6335.6	6345.2	6315.4	6243.4	6168.5	6038.8	5988.9	5998.5	5921.7	5616.3	5143.8
35°	6634.3	6647.7	6638.1	6590.1	6508.5	6397.1	6337.5	6331.8	6236.7	5883.3	5348.3
37.5°	6938.7	6951.2	6940.6	6900.3	6867.7	6749.5	6717.8	6717.8	6552.6	6156.0	5608.6
40°	7251.8	7271.0	7258.5	7202.8	7175.0	7121.2	7045.3	7027.1	6848.4	6483.5	6033.1
42.5°	7542.8	7567.8	7617.7	7585.1	7528.4	7536.1	7383.4	7373.8	7243.2	6967.5	6566.1
45°	7955.8	7992.3	8076.8	8051.8	8040.3	7998.0	7816.5	7807.9	7757.9	7618.7	7227.8
47.5°	8406.2	8456.1	8608.8	8613.6	8737.5	8657.8	8411.0	8381.2	8392.7	8398.5	8035.5
50°	8821.1	8875.8	9126.5	9244.6	9536.5	9553.8	9159.1	9132.2	9177.4	9309.9	8976.6
52.5°	9152.4	9221.5	9534.6	9899.6	10399.9	10542.1	10080.1	10059.9	10093.6	10322.1	10040.7
55°	9395.4	9470.3	9811.2	10475.8	11274.8	11525.5	11140.4	11121.2	11142.3	11433.3	11198.0
57.5°	9452.0	9470.3	9964.9	10863.8	12013.3	12615.5	12437.8	12399.4	12295.7	12549.2	12475.3
60°	9186.0	9259.0	9838.1	11000.2	12584.8	13690.2	13793.9	13745.9	13454.9	13662.3	13602.8
62.5°	8646.3	8776.9	9364.6	10792.7	12808.5	14568.0	15124.0	15066.4	14565.1	14699.5	14413.3
65°	7764.6	7820.3	8437.9	10077.2	12524.3	15129.8	16310.1	16281.3	15650.3	15440.0	14563.1
67.5°	6187.7	6292.4	6816.8	8581.9	11361.3	15063.5	17227.2	17224.4	16359.1	15714.6	14032.1
69°	4888.3	4996.8	5496.2	7069.3	10053.2	14457.5	17380.9	17414.5	16558.8	15547.5	13273.4
70°	3897.2	4023.0	4365.9	5954.3	8892.1	13658.5	17253.2	17313.7	16520.4	15271.9	12573.2
72.5°	1658.6	1760.4	2004.3	3069.4	5419.4	10199.2	15775.1	16003.7	15630.1	13977.3	10391.3
75°	724.1	755.8	866.3	1251.4	2405.7	5551.0	12358.1	12780.7	13364.6	11814.6	7740.6
77.5°	530.1	543.6	604.1	734.7	1079.5	2096.5	7947.1	8193.0	9638.3	8597.3	4748.1
80°	410.1	419.7	466.7	539.7	704.9	848.0	3624.5	3835.7	5419.4	4415.8	1977.4
82.5°	326.5	333.3	365.9	397.6	486.9	513.8	1203.4	1334.9	2000.5	1219.7	523.4
85°	303.5	311.2	322.7	290.0	312.1	301.6	520.5	544.5	604.1	479.2	219.0
87.5°	137.3	162.3	319.8	225.7	166.1	132.5	213.2	222.8	250.7	251.6	97.0
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: P318430
 CATALOG NUMBER: GAN-SA6A-750-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6	3644.6
2.5°	3653.3	3650.4	3655.2	3643.7	3658.1	3657.1	3652.3	3654.2	3663.8	3662.9	3663.8
5°	3675.4	3673.4	3679.2	3670.6	3687.8	3693.6	3694.6	3703.2	3713.8	3716.7	3716.7
7.5°	3731.1	3731.1	3733.9	3722.4	3733.9	3733.0	3728.2	3736.8	3747.4	3748.3	3747.4
10°	3827.1	3828.1	3823.3	3793.5	3783.9	3758.0	3733.9	3734.9	3748.3	3758.9	3761.8
12.5°	3948.1	3944.3	3923.1	3868.4	3828.1	3775.2	3750.3	3749.3	3762.8	3771.4	3774.3
15°	4086.4	4075.8	4021.1	3931.8	3860.7	3808.9	3768.5	3758.9	3751.2	3741.6	3742.6
17.5°	4217.0	4193.0	4101.8	3977.9	3903.0	3833.8	3756.0	3693.6	3650.4	3625.4	3617.7
20°	4349.5	4302.5	4170.9	4021.1	3926.0	3800.2	3650.4	3523.6	3444.9	3408.4	3401.7
22.5°	4470.6	4394.7	4235.3	4066.2	3907.8	3686.9	3451.6	3267.2	3157.7	3108.7	3112.6
25°	4588.7	4483.0	4302.5	4097.9	3815.6	3487.1	3175.0	2948.4	2821.6	2766.8	2764.9
27.5°	4692.4	4572.4	4375.5	4072.0	3643.7	3202.9	2847.5	2626.6	2521.0	2473.9	2466.2
30°	4811.5	4684.7	4472.5	3973.1	3392.0	2874.4	2527.7	2372.1	2297.2	2250.2	2241.5
32.5°	4956.5	4837.4	4552.2	3793.5	3070.3	2531.6	2278.0	2169.5	2101.3	2048.5	2038.9
35°	5167.8	5039.1	4572.4	3536.1	2716.9	2260.7	2094.6	1983.2	1891.0	1822.8	1816.1
37.5°	5432.8	5291.7	4526.3	3202.9	2374.1	2085.0	1941.9	1804.5	1684.5	1588.5	1573.1
40°	5815.1	5601.9	4398.5	2818.7	2121.5	1949.6	1793.0	1636.5	1487.6	1375.3	1353.2
42.5°	6274.1	5965.9	4202.6	2436.5	1936.1	1812.2	1645.1	1451.1	1309.0	1229.3	1217.8
45°	6858.0	6344.2	3930.8	2102.3	1753.6	1674.9	1485.7	1307.1	1218.7	1160.1	1150.5
47.5°	7524.5	6768.7	3645.6	1830.5	1599.0	1546.2	1358.0	1242.7	1172.6	1126.5	1117.9
50°	8343.8	7248.0	3343.1	1607.7	1443.4	1391.6	1297.5	1207.2	1151.5	1116.0	1107.3
52.5°	9267.6	7788.7	3125.1	1431.9	1314.8	1277.3	1265.8	1188.0	1142.8	1116.0	1107.3
55°	10262.6	8338.9	2889.8	1284.0	1203.4	1213.9	1244.6	1189.9	1159.2	1126.5	1114.0
57.5°	11258.5	8907.5	2627.6	1159.2	1115.0	1166.9	1230.2	1193.7	1167.8	1136.1	1124.6
60°	12046.0	9267.6	2221.4	1054.5	1044.9	1115.0	1195.7	1164.9	1131.3	1132.3	1130.4
62.5°	12413.8	9248.4	1772.9	961.3	974.8	1044.9	1140.0	1119.8	1091.9	1129.4	1132.3
65°	12207.3	8787.4	1380.1	876.8	899.9	971.9	1082.3	1097.7	1107.3	1179.3	1188.9
67.5°	11341.1	7890.5	1068.9	802.9	831.7	922.0	1088.1	1195.7	1208.2	1284.0	1283.1
69°	10445.1	7049.2	928.7	764.5	798.1	934.4	1163.0	1258.1	1211.0	1291.7	1280.2
70°	9694.0	6383.6	853.8	738.5	782.7	956.5	1213.0	1257.1	1196.6	1265.8	1246.6
72.5°	7466.0	4592.5	724.1	690.5	730.8	915.2	1227.4	1229.3	1163.0	1176.5	1143.8
75°	5120.7	2902.3	631.9	625.2	652.1	825.0	1181.3	1174.5	1075.6	1056.4	1029.5
77.5°	2823.5	1474.2	536.9	562.8	581.0	730.8	1073.7	1064.1	982.5	942.1	932.5
80°	1089.1	645.4	453.3	500.4	511.9	632.9	941.2	932.5	864.3	812.5	798.1
82.5°	411.0	338.1	374.5	433.1	429.3	522.4	797.1	792.3	726.0	650.2	627.1
85°	190.2	202.6	296.8	357.3	329.4	387.0	637.7	646.3	565.7	475.4	475.4
87.5°	80.7	113.3	210.3	269.9	221.8	261.2	467.7	446.6	410.1	284.3	267.0
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)