

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: P318320

Luminaire Tested: **GAN-SA6B-727-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318320
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-SA6B-727-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28589 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

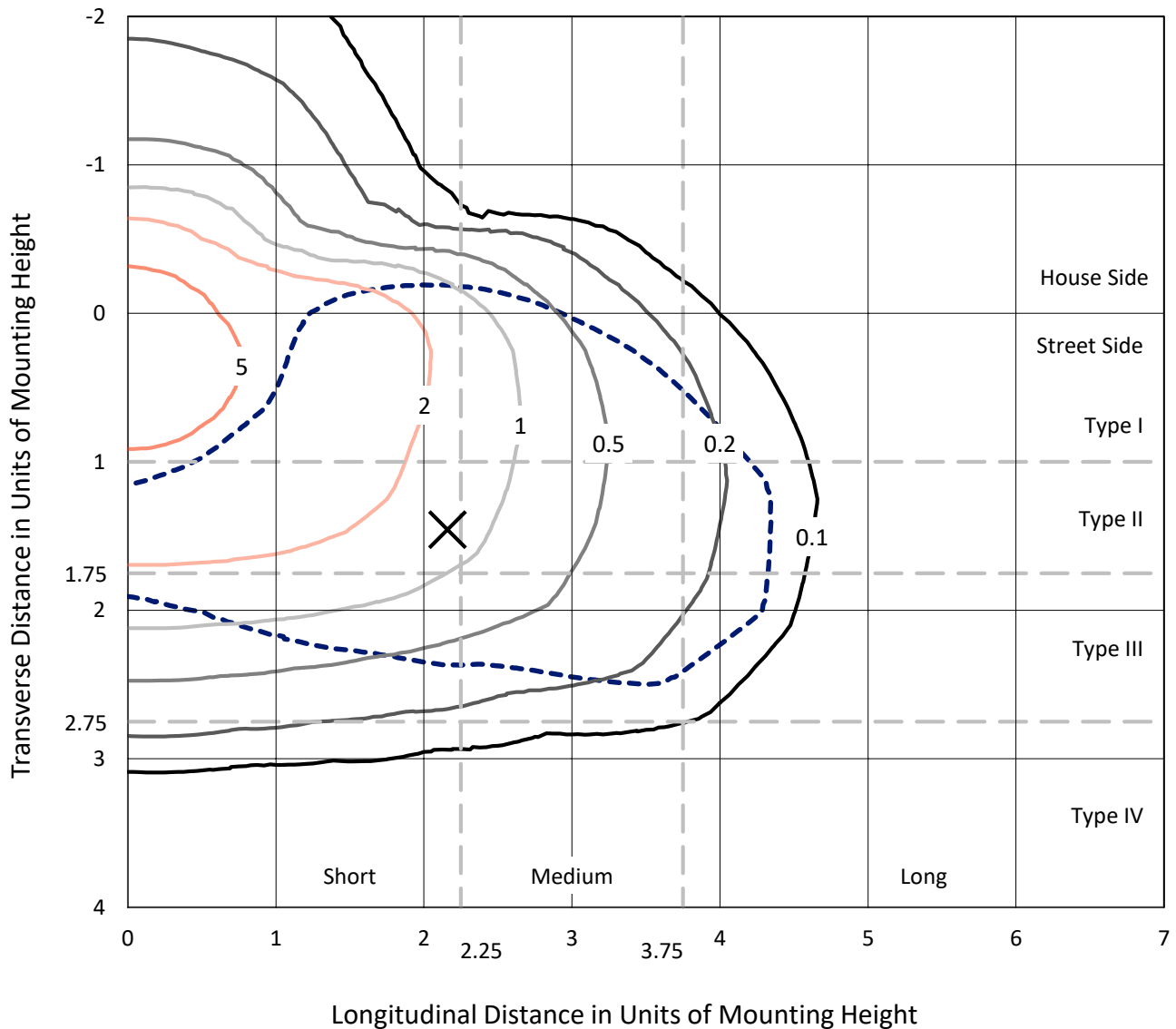
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

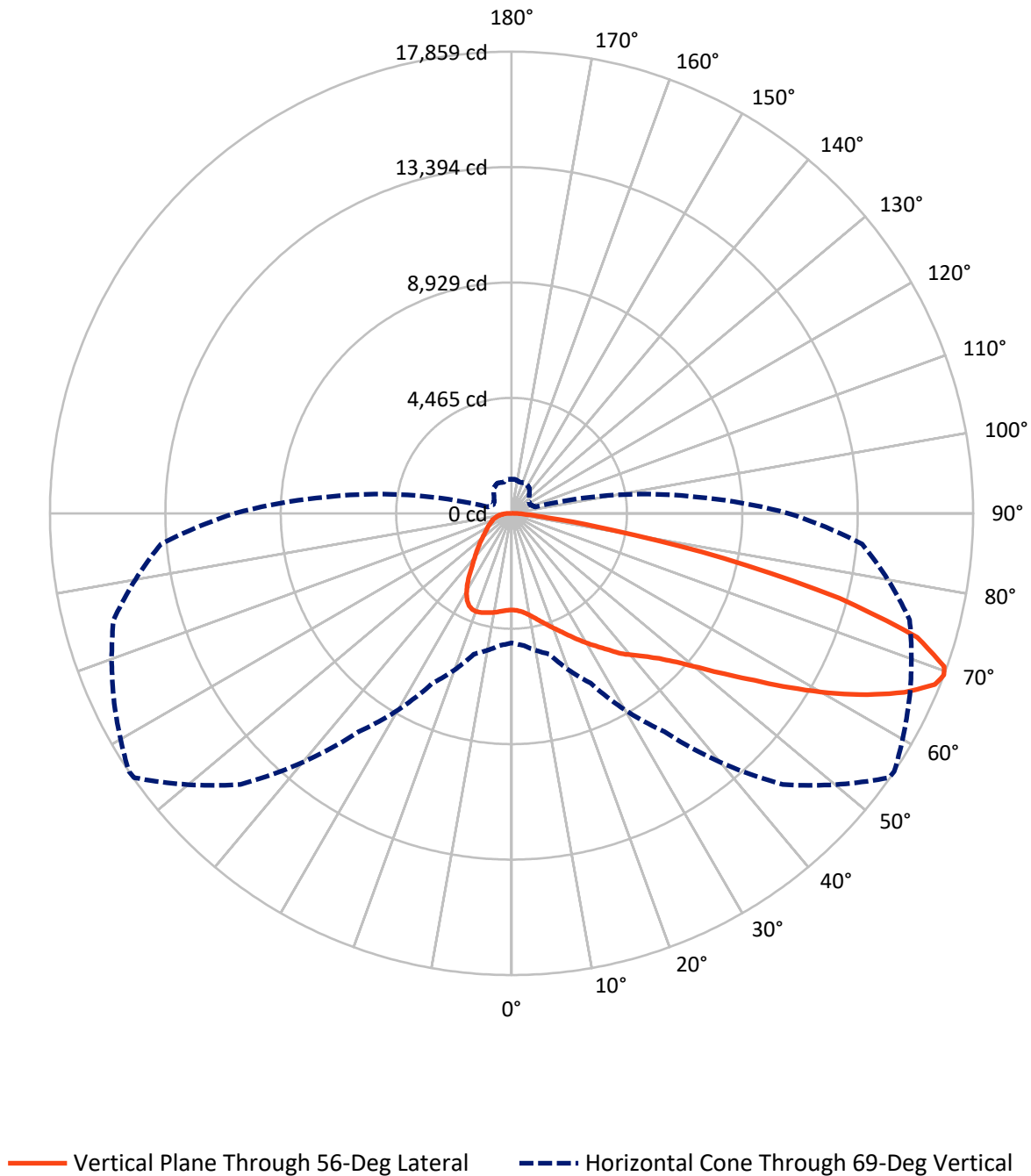
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6366.7	0.0	6366.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	22222.3	0.0	22222.3
	% Fixture	77.7	0.0	77.7
Total	Lumens	28589.0	0.0	28589.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.1	1.3
10°-20°	1180.4	4.1
20°-30°	2060.5	7.2
30°-40°	2959.9	10.4
40°-50°	4096.4	14.3
50°-60°	6001.7	21.0
60°-70°	7317.2	25.6
70°-80°	4045.4	14.2
80°-90°	560.3	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°	28589.0	100.0
0°-180°	28589.0	100.0

Coefficient of Utilization



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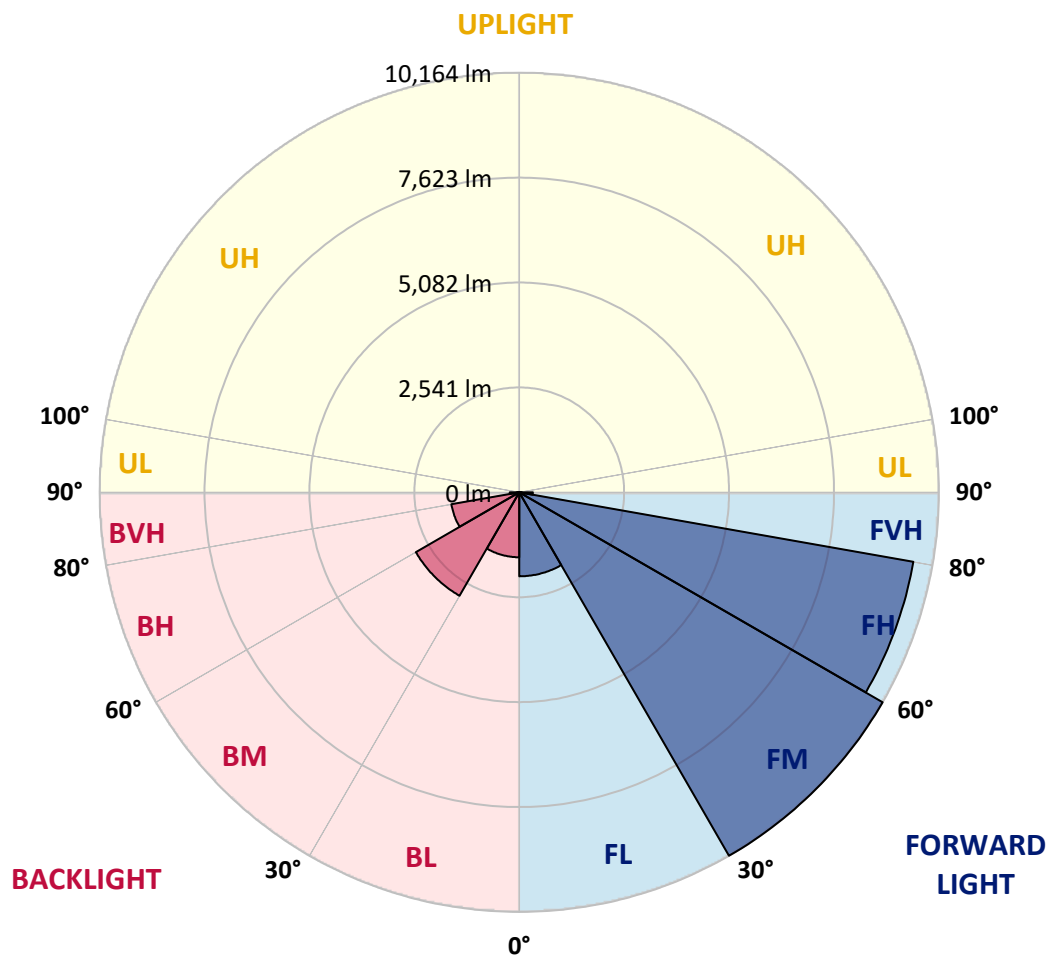
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2034.7	7.1			
FM	(30°-60°)	10164.5	35.6			
FH	(60°-80°)	9693.1	33.9			G4/12000
FVH	(80°-90°)	330.0	1.2			G3/500
BL	(0°-30°)	1573.4	5.5	B3/2500		
BM	(30°-60°)	2893.5	10.1	B3/5000		
BH	(60°-80°)	1669.6	5.8	B3/2500		G3/2500
BVH	(80°-90°)	230.3	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6
2.5°	3761.2	3765.2	3762.2	3770.1	3761.2	3767.1	3762.2	3762.2	3759.2	3750.4	3740.5
5°	3820.3	3828.2	3823.3	3831.1	3820.3	3822.3	3813.4	3813.4	3804.6	3785.8	3766.1
7.5°	3912.9	3921.8	3917.8	3925.7	3910.9	3910.9	3899.1	3898.1	3880.4	3849.9	3827.2
10°	4023.2	4035.0	4031.1	4042.9	4031.1	4035.0	4023.2	4023.2	3999.6	3956.2	3927.7
12.5°	4183.7	4198.5	4187.7	4186.7	4181.8	4189.6	4179.8	4177.8	4156.2	4097.1	4057.7
15°	4398.4	4414.2	4391.5	4389.6	4362.0	4359.0	4359.0	4356.1	4342.3	4271.4	4206.4
17.5°	4645.6	4650.6	4630.9	4599.3	4563.9	4541.2	4538.3	4546.2	4546.2	4463.4	4360.0
20°	4887.9	4896.8	4881.0	4845.6	4800.3	4766.8	4743.1	4758.9	4757.9	4659.4	4512.7
22.5°	5151.9	5172.5	5148.9	5103.6	5050.4	5013.0	4971.6	4985.4	4986.4	4865.3	4662.4
25°	5493.6	5474.9	5460.1	5396.1	5320.3	5281.9	5243.4	5257.2	5253.3	5086.9	4817.0
27.5°	5796.0	5799.9	5780.2	5712.2	5624.6	5539.9	5537.9	5546.8	5532.0	5317.3	4962.8
30°	6147.6	6149.5	6122.0	6060.9	5965.4	5856.0	5830.4	5845.2	5813.7	5536.0	5116.4
32.5°	6497.2	6507.0	6476.5	6402.6	6325.8	6192.9	6141.6	6151.5	6072.7	5759.5	5275.0
35°	6803.5	6817.3	6807.4	6758.2	6674.5	6560.2	6499.2	6493.2	6395.7	6033.3	5484.7
37.5°	7115.7	7128.5	7117.7	7076.3	7042.8	6921.7	6889.2	6889.2	6719.8	6313.0	5751.6
40°	7436.8	7456.5	7443.6	7386.5	7358.0	7302.8	7225.0	7206.3	7023.1	6648.9	6187.0
42.5°	7735.2	7760.8	7812.0	7778.5	7720.4	7728.3	7571.7	7561.8	7427.9	7145.2	6733.6
45°	8158.7	8196.1	8282.8	8257.1	8245.3	8202.0	8015.9	8007.0	7955.8	7813.0	7412.1
47.5°	8620.6	8671.8	8828.4	8833.3	8960.3	8878.6	8625.5	8595.0	8606.8	8612.7	8240.4
50°	9046.0	9102.2	9359.2	9480.4	9779.8	9797.5	9392.7	9365.1	9411.4	9547.3	9205.6
52.5°	9385.8	9456.7	9777.8	10152.0	10665.2	10810.9	10337.2	10316.5	10351.0	10585.4	10296.8
55°	9635.0	9711.8	10061.4	10743.0	11562.4	11819.4	11424.5	11404.8	11426.5	11724.9	11483.6
57.5°	9693.1	9711.8	10219.0	11140.8	12319.7	12937.3	12755.1	12715.7	12609.3	12869.3	12793.5
60°	9420.3	9495.1	10089.0	11280.7	12905.7	14039.3	14145.7	14096.4	13798.0	14010.8	13949.7
62.5°	8866.8	9000.7	9603.5	11068.0	13135.2	14939.5	15509.7	15450.6	14936.5	15074.4	14780.9
65°	7962.7	8019.8	8653.1	10334.2	12843.7	15515.6	16726.0	16696.5	16049.4	15833.8	14934.6
67.5°	6345.5	6452.9	6990.6	8800.8	11651.0	15447.7	17666.6	17663.6	16776.3	16115.4	14389.9
69°	5013.0	5124.3	5636.4	7249.6	10309.6	14826.2	17824.2	17858.6	16981.1	15944.1	13611.9
70°	3996.6	4125.6	4477.2	6106.2	9118.9	14006.8	17693.2	17755.2	16941.7	15661.4	12893.9
72.5°	1700.9	1805.3	2055.4	3147.6	5557.6	10459.3	16177.5	16411.9	16028.8	14333.8	10656.3
75°	742.6	775.1	888.4	1283.3	2467.1	5692.5	12673.3	13106.6	13705.5	12115.9	7938.1
77.5°	543.6	557.4	619.5	753.4	1107.0	2150.0	8149.8	8401.9	9884.2	8816.6	4869.2
80°	420.5	430.4	478.6	553.5	722.9	869.6	3716.9	3933.6	5557.6	4528.4	2027.8
82.5°	334.9	341.7	375.2	407.7	499.3	526.9	1234.0	1369.0	2051.5	1250.8	536.8
85°	311.2	319.1	330.9	297.4	320.1	309.2	533.8	558.4	619.5	491.5	224.6
87.5°	140.8	166.4	328.0	231.4	170.4	135.9	218.6	228.5	257.1	258.0	99.5
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°	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6	3737.6
2.5°	3746.4	3743.5	3748.4	3736.6	3751.4	3750.4	3745.5	3747.4	3757.3	3756.3	3757.3
5°	3769.1	3767.1	3773.0	3764.2	3781.9	3787.8	3788.8	3797.7	3808.5	3811.4	3811.4
7.5°	3826.2	3826.2	3829.2	3817.4	3829.2	3828.2	3823.3	3832.1	3843.0	3843.9	3843.0
10°	3924.7	3925.7	3920.8	3890.2	3880.4	3853.8	3829.2	3830.2	3843.9	3854.8	3857.7
12.5°	4048.8	4044.9	4023.2	3967.1	3925.7	3871.5	3845.9	3844.9	3858.7	3867.6	3870.5
15°	4190.6	4179.8	4123.7	4032.1	3959.2	3906.0	3864.6	3854.8	3846.9	3837.1	3838.0
17.5°	4324.6	4299.9	4206.4	4079.3	4002.5	3931.6	3851.8	3787.8	3743.5	3717.9	3710.0
20°	4460.5	4412.2	4277.3	4123.7	4026.1	3897.1	3743.5	3613.5	3532.7	3495.3	3488.4
22.5°	4584.6	4506.8	4343.3	4169.9	4007.4	3780.9	3539.6	3350.5	3238.3	3188.0	3192.0
25°	4705.7	4597.4	4412.2	4202.4	3912.9	3576.1	3256.0	3023.6	2893.5	2837.4	2835.4
27.5°	4812.1	4689.0	4487.1	4175.8	3736.6	3284.5	2920.1	2693.6	2585.3	2537.0	2529.1
30°	4934.2	4804.2	4586.5	4074.4	3478.6	2947.7	2592.2	2432.6	2355.8	2307.6	2298.7
32.5°	5082.9	4960.8	4668.3	3890.2	3148.6	2596.1	2336.1	2224.8	2154.9	2100.7	2090.9
35°	5299.6	5167.6	4689.0	3626.3	2786.2	2318.4	2148.0	2033.8	1939.2	1869.3	1862.4
37.5°	5571.4	5426.6	4641.7	3284.5	2434.6	2138.2	1991.4	1850.6	1727.5	1629.0	1613.2
40°	5963.4	5744.7	4510.7	2890.6	2175.6	1999.3	1838.8	1678.2	1525.6	1410.3	1387.7
42.5°	6434.2	6118.0	4309.8	2498.6	1985.5	1858.4	1687.1	1488.1	1342.4	1260.6	1248.8
45°	7033.0	6506.1	4031.1	2155.9	1798.4	1717.6	1523.6	1340.4	1249.8	1189.7	1179.9
47.5°	7716.5	6941.4	3738.6	1877.2	1639.8	1585.6	1392.6	1274.4	1202.5	1155.3	1146.4
50°	8556.5	7432.8	3428.3	1648.7	1480.3	1427.1	1330.6	1238.0	1180.9	1144.4	1135.6
52.5°	9504.0	7987.3	3204.8	1468.4	1348.3	1309.9	1298.1	1218.3	1172.0	1144.4	1135.6
55°	10524.3	8551.6	2963.5	1316.8	1234.0	1244.9	1276.4	1220.3	1188.7	1155.3	1142.4
57.5°	11545.6	9134.7	2694.6	1188.7	1143.4	1196.6	1261.6	1224.2	1197.6	1165.1	1153.3
60°	12353.2	9504.0	2278.0	1081.4	1071.5	1143.4	1226.2	1194.6	1160.2	1161.2	1159.2
62.5°	12730.4	9484.3	1818.1	985.9	999.6	1071.5	1169.0	1148.4	1119.8	1158.2	1161.2
65°	12518.7	9011.6	1415.3	899.2	922.8	996.7	1109.9	1125.7	1135.6	1209.4	1219.3
67.5°	11630.3	8091.7	1096.2	823.4	852.9	945.5	1115.9	1226.2	1239.0	1316.8	1315.8
69°	10711.4	7228.9	952.4	784.0	818.4	958.3	1192.7	1290.2	1241.9	1324.7	1312.8
70°	9941.3	6546.4	875.5	757.4	802.7	980.9	1243.9	1289.2	1227.1	1298.1	1278.4
72.5°	7656.4	4709.6	742.6	708.1	749.5	938.6	1258.7	1260.6	1192.7	1206.5	1173.0
75°	5251.3	2976.3	648.0	641.2	668.7	846.0	1211.4	1204.5	1103.1	1083.4	1055.8
77.5°	2895.5	1511.8	550.5	577.1	595.8	749.5	1101.1	1091.2	1007.5	966.2	956.3
80°	1116.8	661.8	464.9	513.1	524.9	649.0	965.2	956.3	886.4	833.2	818.4
82.5°	421.5	346.7	384.1	444.2	440.2	535.8	817.4	812.5	744.6	666.8	643.1
85°	195.0	207.8	304.3	366.4	337.8	396.9	654.0	662.8	580.1	487.5	487.5
87.5°	82.7	116.2	215.7	276.7	227.5	267.9	479.6	458.0	420.5	291.5	273.8
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)