

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: P318670

Luminaire Tested: **GAN-SA6A-730-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25535 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

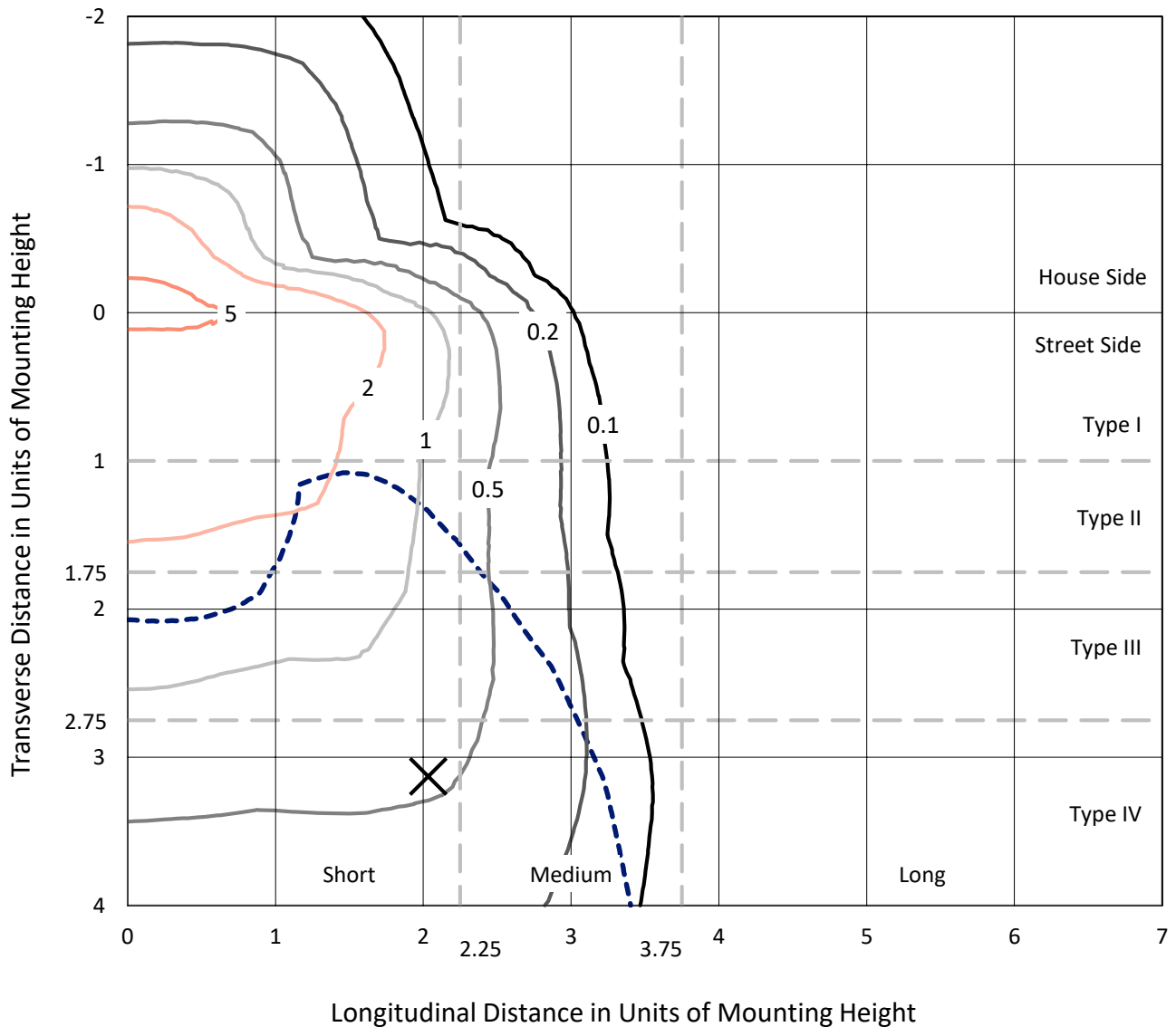
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

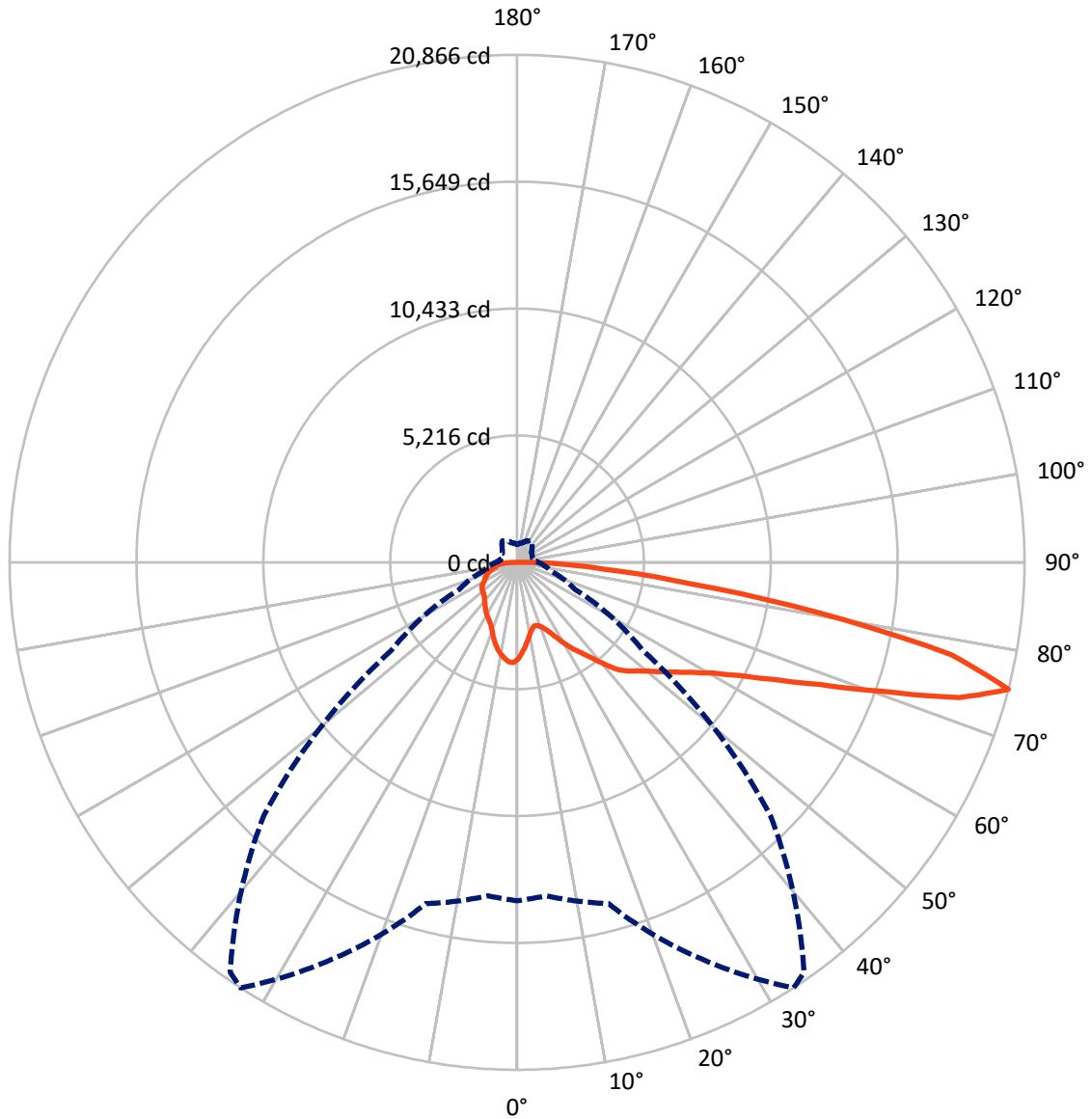
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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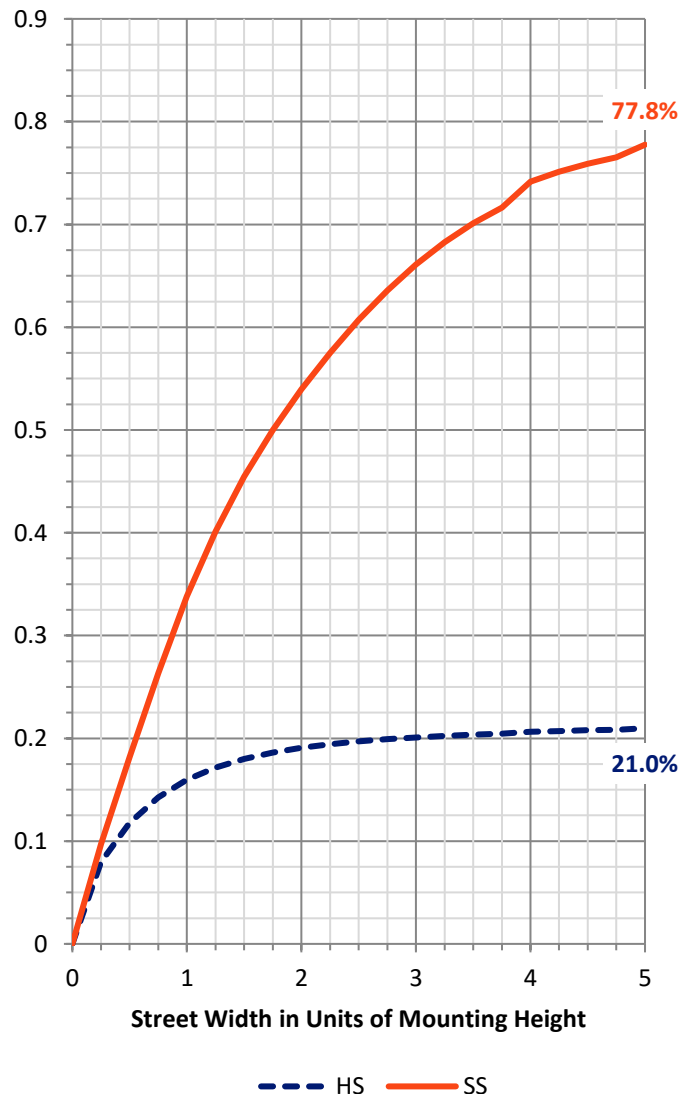
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5483.0	0.0	5483.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	20052.0	0.0	20052.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	25535.0	0.0	25535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.0	1.4
10°-20°	977.6	3.8
20°-30°	1596.6	6.3
30°-40°	2377.7	9.3
40°-50°	3410.3	13.4
50°-60°	4681.8	18.3
60°-70°	5861.5	23.0
70°-80°	5302.6	20.8
80°-90°	965.9	3.8
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°	25535.0	100.0
0°-180°	25535.0	100.0

Coefficient of Utilization

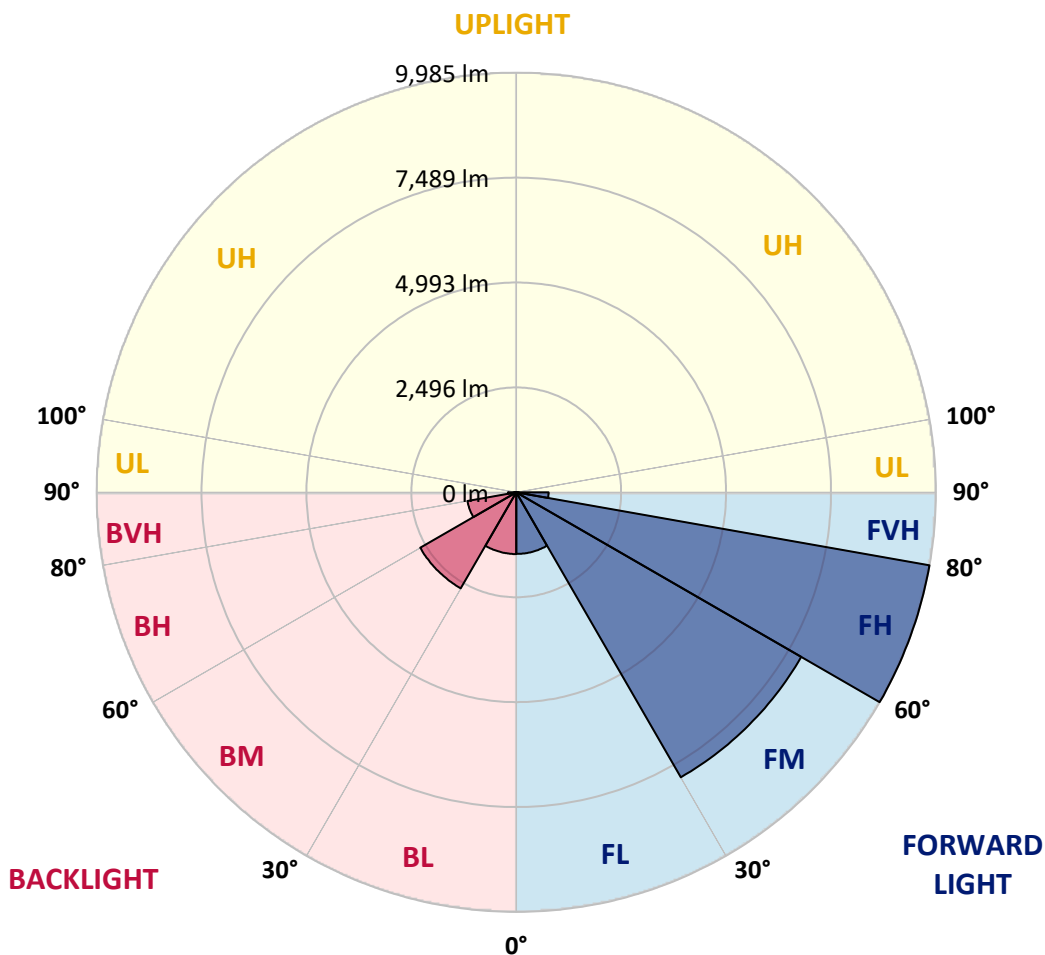


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.6	5.7			
FM (30°-60°)	7831.1	30.7			
FH (60°-80°)	9985.1	39.1			G4/12000
FVH (80°-90°)	769.2	3.0			G5
BL (0°-30°)	1468.6	5.8	B3/2500		
BM (30°-60°)	2638.8	10.3	B3/5000		
BH (60°-80°)	1179.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	196.6	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-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3
2.5°	3706.4	3692.2	3718.7	3722.2	3745.2	3754.0	3785.7	3835.1	3875.7	3922.5	3964.8
5°	3370.3	3360.6	3397.6	3424.1	3474.4	3495.6	3570.5	3675.5	3769.0	3874.8	3971.0
7.5°	3051.0	3045.7	3087.2	3147.1	3205.4	3234.5	3364.1	3516.7	3672.8	3844.0	3991.3
10°	2782.0	2780.2	2819.9	2879.0	2964.6	2997.2	3164.8	3365.9	3584.6	3820.1	4025.7
12.5°	2631.1	2637.3	2655.8	2705.2	2784.6	2817.3	3003.4	3239.8	3510.5	3812.2	4075.9
15°	2668.2	2677.9	2646.1	2644.4	2700.8	2726.4	2901.1	3149.8	3457.6	3825.4	4149.2
17.5°	2826.1	2827.8	2744.0	2691.1	2725.5	2738.8	2869.3	3098.6	3426.8	3855.4	4240.9
20°	3048.4	3043.9	2895.8	2807.6	2826.1	2829.6	2914.3	3099.5	3424.1	3907.5	4360.0
22.5°	3343.0	3310.3	3111.0	2991.0	2986.6	2981.3	3029.8	3164.8	3462.9	3992.1	4502.0
25°	3727.5	3696.7	3422.3	3258.3	3223.0	3209.8	3216.8	3304.1	3539.7	4083.0	4660.7
27.5°	4155.3	4101.5	3836.9	3604.9	3531.7	3513.2	3470.9	3500.8	3623.4	4170.3	4849.5
30°	4513.4	4484.3	4253.2	3978.0	3891.6	3865.1	3754.0	3721.4	3744.3	4289.4	5087.6
32.5°	4713.7	4694.3	4554.0	4331.7	4251.5	4214.4	4057.4	3992.1	3938.3	4477.3	5410.5
35°	4956.2	4943.9	4859.2	4697.8	4578.7	4539.9	4418.2	4350.3	4211.8	4735.7	5827.7
37.5°	5264.9	5251.7	5253.5	5122.9	4980.9	4944.8	4864.5	4793.0	4566.4	5075.3	6281.1
40°	5614.2	5588.7	5578.9	5572.8	5482.8	5462.5	5420.2	5323.2	5010.9	5481.0	6728.3
42.5°	6139.9	6049.1	5855.0	5928.2	6017.3	6006.7	6041.1	5901.8	5504.9	5960.9	7164.9
45°	6647.1	6498.0	6162.9	6178.7	6373.7	6432.8	6690.3	6591.5	6040.3	6486.6	7616.5
47.5°	6878.2	6765.3	6480.4	6481.3	6674.5	6797.1	7361.6	7291.0	6603.0	7083.7	8167.8
50°	7136.6	7023.7	6767.9	6864.1	7032.6	7163.1	8009.9	7973.7	7138.4	7737.3	8828.4
52.5°	7418.9	7227.5	7065.2	7237.2	7473.6	7625.3	8659.1	8560.3	7629.7	8395.3	9587.9
55°	7422.4	7370.4	7493.9	7620.0	7973.7	8159.8	9339.1	9078.0	8030.2	9041.9	10206.2
57.5°	7844.9	7760.3	8022.2	8080.4	8542.6	8752.6	10015.6	9528.8	8437.7	9537.6	10539.6
60°	8404.1	8331.8	8546.2	8699.6	9246.5	9527.0	10738.0	9991.8	8757.8	9911.6	10523.7
62.5°	9370.0	9288.0	9285.3	9500.5	10237.0	10563.4	11548.6	10446.1	8884.9	9985.7	10074.7
65°	10783.9	10653.4	10407.3	10509.6	11605.1	11930.6	12454.5	10775.1	8717.3	9588.7	8918.4
67.5°	12159.9	12155.5	11853.0	12062.9	13411.5	13672.6	13486.5	10807.7	8194.2	8206.6	6866.7
70°	13531.5	13549.1	13498.0	14228.3	15852.2	16123.8	14585.5	10369.3	7018.4	5926.5	4113.9
72.5°	14618.2	14613.8	14871.3	16754.5	19019.6	18958.7	15511.7	9041.0	5039.1	3199.2	1966.1
75°	13914.3	13760.8	14528.2	18005.2	20865.7	20568.5	14724.0	6306.6	2615.3	1456.3	1058.5
77.5°	9075.4	9220.9	10347.3	14874.0	18251.3	17889.7	10802.4	2942.5	1232.2	955.3	767.4
80°	3286.5	3440.0	4845.1	8425.3	12574.5	12515.4	5319.6	1209.3	833.5	721.5	559.2
82.5°	1130.8	1187.2	1911.4	3741.6	7099.6	7364.2	2001.4	687.1	606.0	511.6	382.8
85°	443.7	508.1	874.1	1800.3	3581.1	3607.6	810.6	411.0	421.6	335.2	209.9
87.5°	168.5	204.6	418.1	836.2	1635.3	1502.1	290.2	195.8	239.9	199.3	99.7
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°	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3
2.5°	3997.4	4016.0	4054.8	4081.2	4109.5	4117.4	4120.9	4128.0	4135.0	4132.4	4133.3
5°	4022.1	4058.3	4120.9	4147.4	4159.7	4145.6	4118.3	4096.2	4080.4	4071.5	4068.9
7.5°	4062.7	4113.9	4180.9	4176.5	4148.3	4085.6	4015.1	3962.2	3918.1	3902.2	3893.4
10°	4116.5	4176.5	4223.2	4173.0	4090.9	3982.4	3876.6	3794.6	3728.4	3702.8	3698.4
12.5°	4185.3	4246.2	4255.0	4148.3	4012.4	3864.2	3720.5	3612.0	3513.2	3481.4	3474.4
15°	4274.4	4331.7	4277.0	4105.0	3915.4	3716.1	3530.0	3382.7	3278.6	3239.8	3225.6
17.5°	4367.9	4422.6	4281.5	4033.6	3788.4	3540.5	3306.8	3156.0	3036.9	2991.9	2986.6
20°	4479.9	4504.6	4262.9	3931.3	3613.7	3313.0	3066.9	2924.9	2861.4	2829.6	2826.1
22.5°	4618.4	4591.9	4220.6	3792.8	3392.4	3050.1	2849.9	2783.7	2767.9	2760.8	2763.5
25°	4764.8	4683.7	4158.0	3612.0	3112.7	2787.3	2691.1	2709.6	2730.8	2728.2	2728.2
27.5°	4926.2	4777.2	4061.8	3372.1	2803.1	2572.0	2583.5	2651.4	2683.2	2682.3	2681.4
30°	5133.5	4883.0	3939.2	3083.6	2513.8	2420.3	2490.0	2572.9	2616.2	2614.4	2615.3
32.5°	5388.4	4999.4	3772.5	2761.7	2304.8	2308.3	2388.6	2470.6	2520.9	2516.5	2517.4
35°	5686.6	5130.0	3546.7	2444.2	2166.3	2219.2	2282.7	2340.1	2387.7	2381.5	2375.4
37.5°	6011.2	5257.9	3246.8	2160.1	2053.4	2136.3	2189.2	2198.9	2221.0	2205.1	2193.7
40°	6319.9	5355.8	2860.5	1927.3	1939.6	2065.8	2100.2	2061.3	2021.7	2016.4	2000.5
42.5°	6588.9	5388.4	2469.7	1741.2	1819.7	1991.7	2012.8	1931.7	1860.2	1826.7	1812.6
45°	6872.9	5399.9	2105.4	1585.0	1704.1	1925.5	1948.4	1840.0	1739.4	1667.1	1643.3
47.5°	7244.3	5482.8	1822.3	1469.5	1615.9	1881.4	1914.0	1766.7	1636.2	1533.0	1510.9
50°	7730.3	5646.9	1592.1	1381.3	1558.6	1852.3	1889.3	1695.3	1551.5	1427.2	1405.1
52.5°	8270.1	5797.7	1406.0	1309.8	1503.0	1801.1	1857.6	1644.1	1472.1	1329.2	1305.4
55°	8647.6	5682.1	1256.0	1235.7	1430.7	1727.9	1813.5	1600.9	1358.4	1234.0	1212.8
57.5°	8719.9	5287.0	1142.3	1159.0	1343.4	1636.2	1745.6	1504.8	1296.6	1192.5	1170.5
60°	8522.3	4736.6	1057.6	1088.4	1249.9	1520.6	1618.6	1436.9	1237.5	1148.4	1129.9
62.5°	8025.7	4173.0	994.9	1024.9	1162.5	1403.3	1539.2	1365.4	1177.5	1098.1	1079.6
65°	7022.9	3503.5	935.0	968.5	1081.4	1301.9	1467.7	1299.3	1118.4	1057.6	1039.9
67.5°	5301.1	2624.1	878.5	908.5	1009.1	1213.7	1390.1	1234.0	1061.1	1022.3	1001.1
70°	3121.6	1643.3	814.1	845.9	933.2	1122.0	1307.2	1162.5	989.7	972.0	944.7
72.5°	1452.7	988.8	740.9	771.8	837.9	999.4	1200.5	1069.0	905.0	866.2	829.1
75°	867.1	723.3	654.5	681.8	728.6	868.8	1066.4	973.8	824.7	773.6	734.7
77.5°	648.3	553.0	559.2	588.3	626.3	760.3	944.7	898.8	763.0	723.3	696.8
80°	466.6	419.9	456.0	487.8	527.5	691.5	905.0	830.9	689.8	636.8	612.1
82.5°	311.4	301.7	343.1	375.8	414.6	605.1	850.3	727.7	589.2	522.2	467.5
85°	172.0	181.7	231.1	245.2	278.7	426.0	696.8	584.8	443.7	357.2	341.4
87.5°	71.4	83.8	124.4	120.0	148.2	254.0	458.7	352.8	282.3	210.8	164.1
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)