

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: P318030

Luminaire Tested: **GAN-SA6A-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318030
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-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24910 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

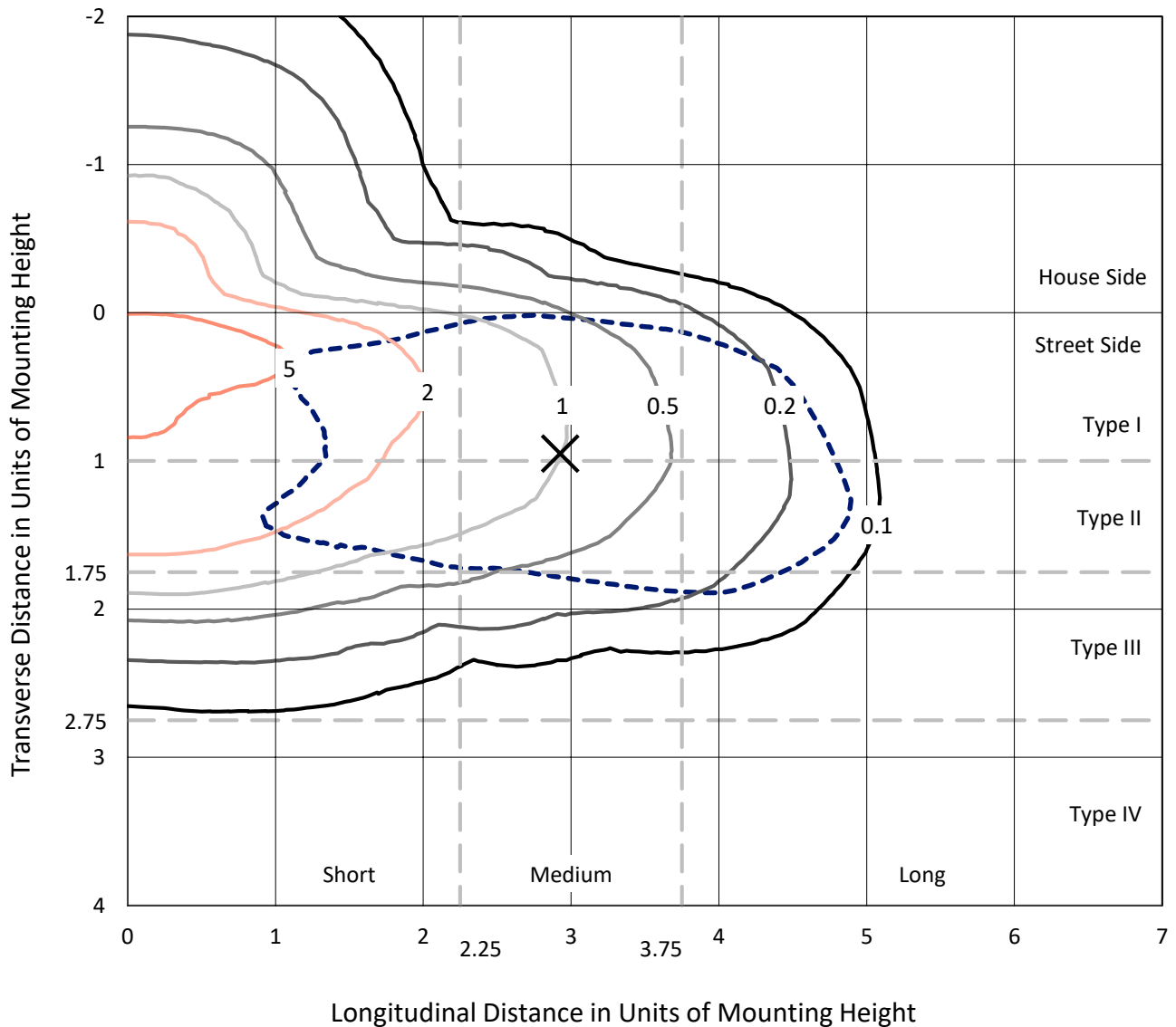
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

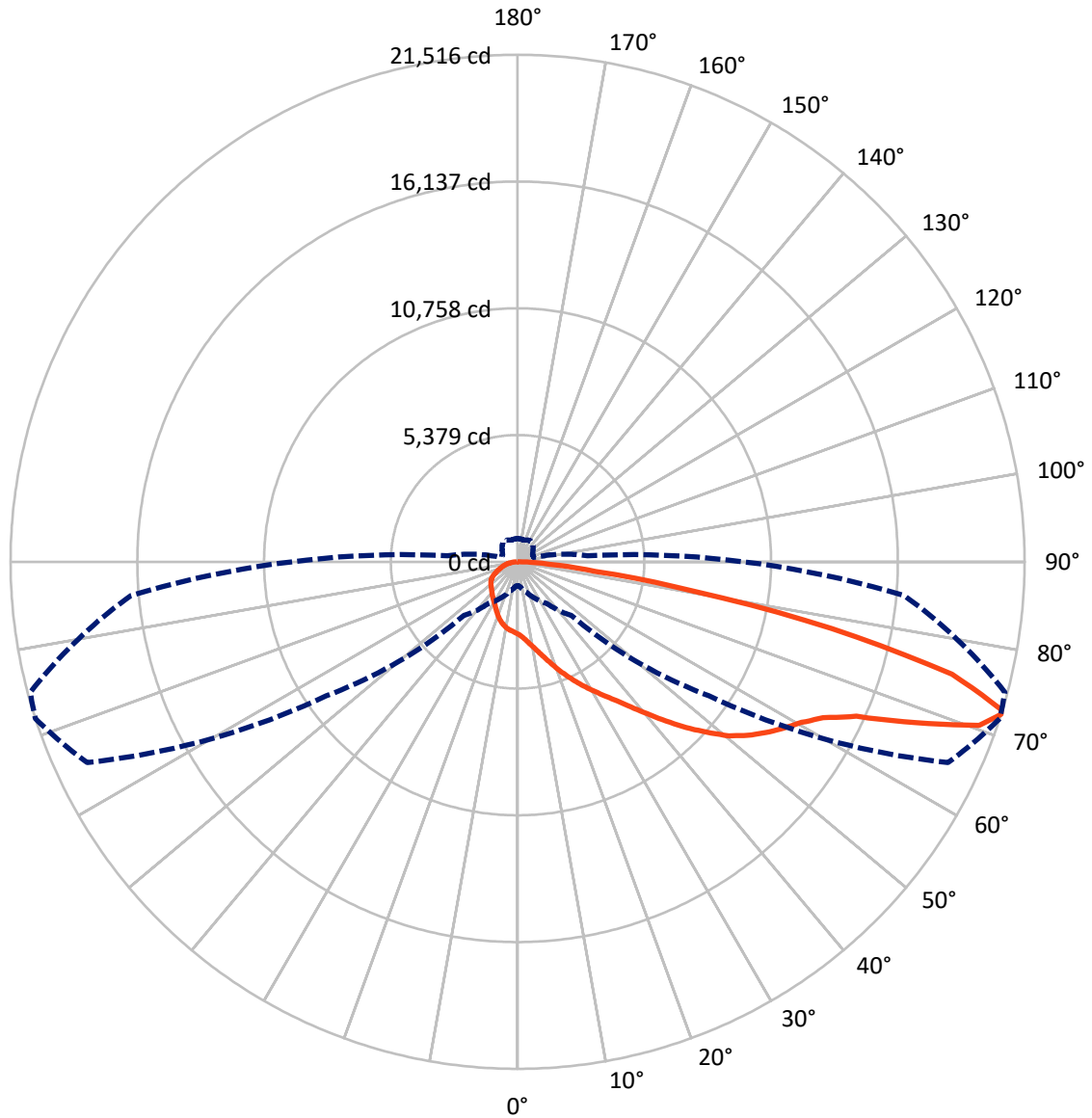
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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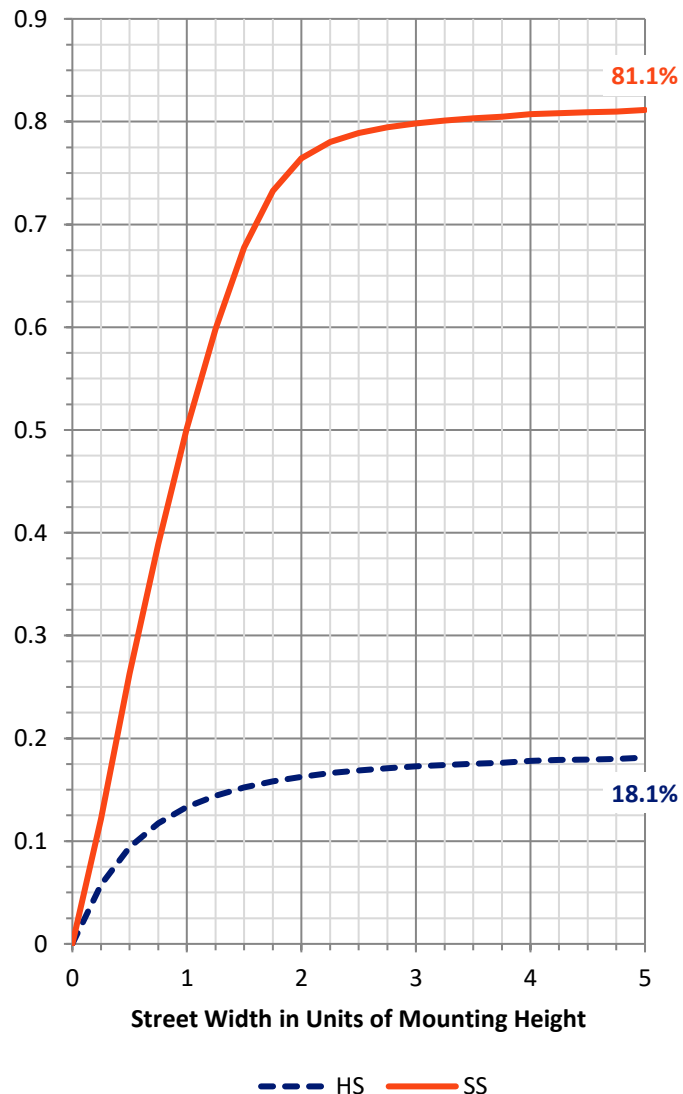
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4621.0	0.0	4621.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	20289.0	0.0	20289.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	24910.0	0.0	24910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	1.2
10°-20°	992.3	4.0
20°-30°	1738.9	7.0
30°-40°	2578.2	10.4
40°-50°	3770.8	15.1
50°-60°	5188.7	20.8
60°-70°	5776.5	23.2
70°-80°	3914.2	15.7
80°-90°	643.3	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°	24910.0	100.0
0°-180°	24910.0	100.0

Coefficient of Utilization

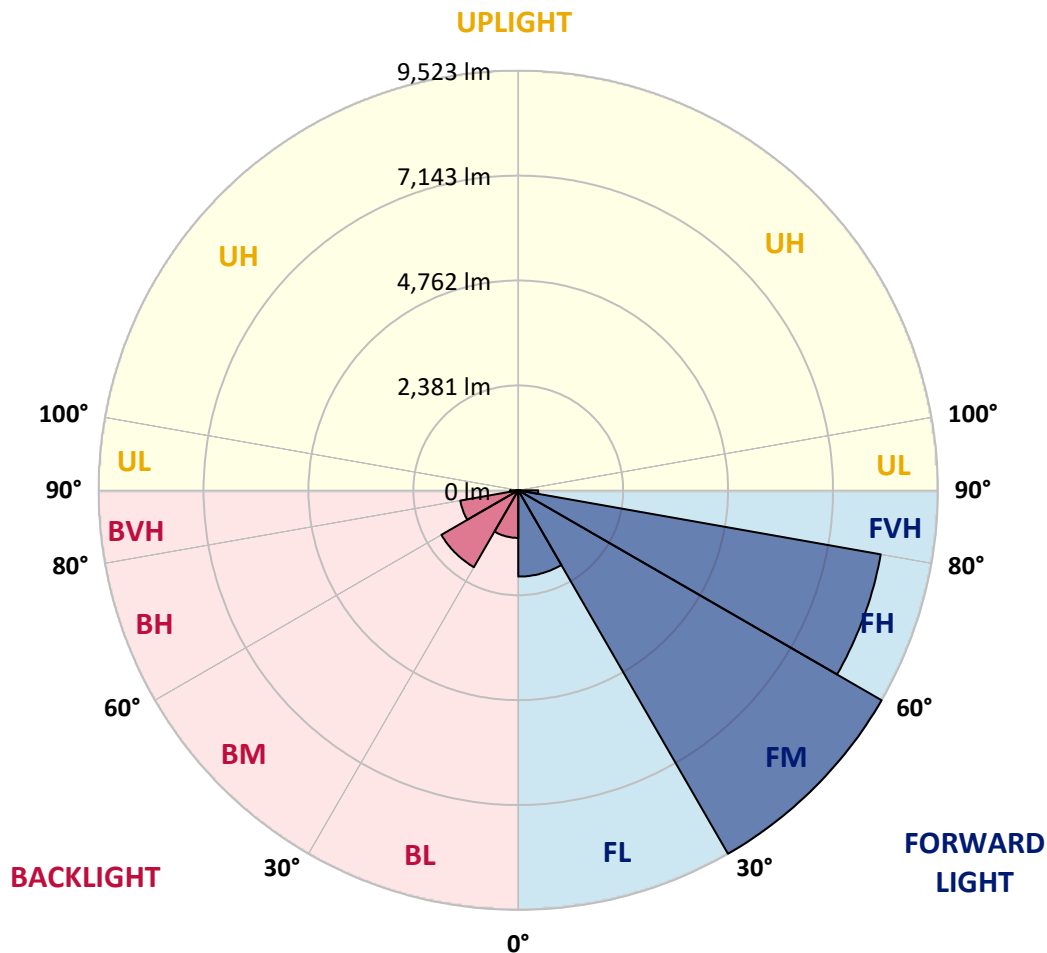


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1958.1	7.9			
FM (30°-60°)	9523.4	38.2			
FH (60°-80°)	8353.8	33.5			G4/12000
FVH (80°-90°)	453.8	1.8			G3/500
BL (0°-30°)	1080.2	4.3	B3/2500		
BM (30°-60°)	2014.3	8.1	B2/2500		
BH (60°-80°)	1336.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	189.5	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6
2.5°	3385.4	3380.2	3362.2	3362.2	3327.9	3298.7	3243.8	3207.0	3163.2	3147.8	3096.3
5°	3713.0	3714.7	3692.4	3677.0	3626.4	3564.6	3471.1	3386.2	3301.3	3267.0	3161.5
7.5°	3988.3	3984.9	3978.9	3966.0	3918.9	3855.4	3729.3	3603.2	3478.0	3426.5	3244.7
10°	4165.0	4172.7	4177.9	4183.9	4164.2	4118.7	3999.5	3845.9	3682.1	3611.8	3344.2
12.5°	4254.2	4267.9	4292.0	4333.1	4365.7	4360.6	4273.9	4111.0	3916.3	3827.9	3468.6
15°	4306.5	4324.5	4362.3	4436.1	4527.8	4580.1	4557.0	4409.5	4192.5	4083.5	3620.4
17.5°	4339.1	4353.7	4412.0	4510.7	4647.0	4786.0	4846.9	4723.4	4504.7	4380.3	3794.5
20°	4361.4	4372.6	4445.5	4561.3	4738.0	4959.3	5129.1	5098.2	4848.6	4687.4	3976.3
22.5°	4411.2	4420.6	4490.1	4606.7	4802.3	5087.9	5401.0	5447.3	5211.4	5028.7	4171.0
25°	4550.1	4550.1	4608.4	4689.9	4873.5	5199.4	5630.8	5835.8	5581.9	5369.2	4351.1
27.5°	4815.2	4812.6	4834.0	4862.3	5001.3	5312.6	5835.8	6178.9	5966.2	5733.8	4526.1
30°	5129.1	5146.2	5148.8	5135.1	5200.3	5454.1	6025.4	6540.9	6353.0	6102.6	4705.4
32.5°	5533.1	5544.2	5531.3	5485.9	5476.4	5654.8	6211.5	6920.0	6771.6	6487.7	4869.2
35°	6046.0	6024.5	5984.2	5891.6	5803.2	5923.3	6424.2	7299.1	7241.6	6953.4	5094.8
37.5°	6595.8	6596.6	6546.9	6336.7	6214.9	6266.4	6717.5	7728.8	7810.3	7507.5	5383.8
40°	7036.6	7059.8	7090.6	6814.5	6656.6	6727.8	7090.6	8227.1	8482.7	8164.5	5760.3
42.5°	7344.5	7371.1	7458.6	7285.3	7121.5	7253.6	7529.8	8758.9	9237.5	8922.7	6201.2
45°	7670.5	7685.0	7746.8	7672.2	7567.5	7865.2	8024.7	9309.5	10036.0	9730.7	6694.4
47.5°	8013.5	8029.0	8092.4	8042.7	7987.8	8436.4	8541.0	9828.4	10801.1	10618.4	7221.0
50°	8437.2	8447.5	8507.6	8417.5	8434.7	8867.0	9002.5	10304.5	11603.0	11416.1	7749.4
52.5°	9015.3	9017.9	9101.1	9019.6	8939.0	9182.6	9399.6	10753.0	12231.7	12143.4	8277.7
55°	9468.2	9495.7	9768.4	9751.2	9704.9	9469.1	9731.5	11180.2	12792.7	12834.7	8838.6
57.5°	9179.2	9286.4	9838.7	10228.1	10607.2	10181.8	10180.1	11661.4	13314.2	13513.1	9455.3
60°	8039.3	8185.1	8999.0	9862.7	11049.0	11422.1	11111.6	12248.9	13840.8	14185.6	10228.1
62.5°	5741.5	5981.6	7084.6	8463.8	10443.4	12243.7	13007.1	13181.2	14557.0	14964.4	11232.5
65°	2902.5	3084.3	4008.9	5670.3	8343.8	11706.8	15067.3	15222.5	15801.5	16163.5	12778.9
67.5°	1763.4	1832.1	2283.2	3153.8	5115.4	9119.1	15739.7	18625.1	18209.9	18402.1	14984.1
70°	1299.4	1350.0	1631.4	2094.5	2941.9	5351.2	13676.1	21053.2	20780.5	20759.0	16613.7
72°	1012.1	1049.0	1297.7	1692.3	2151.1	3210.4	9912.5	20156.9	21516.4	21408.3	16464.5
72.5°	959.8	992.4	1218.8	1592.8	2032.8	2910.2	8912.4	19552.2	21463.2	21414.3	16271.5
75°	755.6	778.8	902.3	1231.7	1591.0	1651.1	4883.8	15152.2	19040.2	19831.9	14635.0
77.5°	625.3	628.7	693.9	896.3	1240.2	1167.3	2399.0	10512.9	13634.1	14504.6	10367.1
80°	509.5	513.8	544.6	628.7	938.3	863.7	1139.0	6045.1	7633.6	7643.0	4930.1
82.5°	405.7	406.6	440.9	459.7	674.2	617.5	652.7	2838.1	3335.6	3208.7	1772.0
85°	285.6	279.6	430.6	377.4	440.9	396.3	360.2	1123.6	1379.2	1319.2	554.9
87.5°	95.2	98.6	191.3	244.4	257.3	224.7	160.4	430.6	520.6	516.3	175.8
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°	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6
2.5°	3080.0	3052.6	3012.3	2967.7	2932.5	2896.5	2869.9	2856.2	2840.7	2827.9	2843.3
5°	3112.6	3061.1	2975.4	2891.3	2829.6	2774.7	2735.2	2714.6	2695.8	2682.9	2684.6
7.5°	3165.8	3082.6	2938.5	2815.8	2730.1	2670.9	2630.6	2616.9	2604.9	2601.4	2605.7
10°	3222.4	3099.7	2889.6	2726.6	2628.9	2580.0	2562.0	2571.4	2580.0	2587.7	2596.3
12.5°	3286.7	3115.2	2818.4	2622.0	2538.8	2519.9	2537.9	2579.1	2609.1	2627.2	2638.3
15°	3370.8	3128.9	2736.1	2517.4	2461.6	2483.1	2544.0	2615.1	2667.5	2700.9	2706.1
17.5°	3448.0	3128.1	2630.6	2411.9	2399.0	2461.6	2553.4	2653.7	2724.1	2771.2	2780.7
20°	3527.7	3104.9	2507.9	2308.9	2335.5	2438.5	2557.7	2678.6	2763.5	2818.4	2831.3
22.5°	3602.4	3064.6	2373.3	2215.5	2282.4	2407.6	2541.4	2664.0	2748.9	2793.5	2807.3
25°	3653.0	2994.2	2236.9	2136.5	2235.2	2369.8	2488.2	2586.8	2650.3	2672.6	2676.0
27.5°	3678.7	2902.5	2108.2	2067.9	2186.3	2308.1	2389.6	2438.5	2456.5	2454.8	2451.3
30°	3682.1	2781.5	1997.6	2012.2	2129.7	2217.2	2255.8	2246.3	2223.2	2183.7	2187.1
32.5°	3671.0	2645.2	1905.0	1959.0	2057.6	2106.5	2108.2	2062.8	2001.0	1938.4	1921.3
35°	3674.4	2511.4	1823.5	1899.0	1970.1	1991.6	1971.9	1905.0	1820.9	1740.3	1723.1
37.5°	3712.1	2394.7	1753.1	1829.5	1873.2	1878.4	1850.1	1779.7	1718.0	1639.1	1632.2
40°	3802.2	2311.5	1686.2	1751.4	1776.3	1778.9	1738.6	1688.8	1694.0	1651.9	1651.1
42.5°	3964.3	2275.5	1627.1	1670.0	1685.4	1690.5	1659.7	1627.9	1672.5	1645.1	1635.6
45°	4173.6	2284.1	1577.3	1590.2	1618.5	1642.5	1623.6	1585.0	1602.2	1483.0	1443.5
47.5°	4415.5	2339.0	1537.9	1521.6	1570.5	1615.9	1586.8	1528.4	1467.5	1349.2	1326.9
50°	4698.5	2423.9	1501.8	1453.8	1518.1	1579.9	1550.7	1467.5	1375.8	1318.3	1310.6
52.5°	4993.6	2527.7	1465.8	1379.2	1452.1	1552.4	1537.9	1453.8	1340.6	1284.0	1273.7
55°	5328.1	2632.3	1420.4	1292.6	1380.9	1539.6	1531.9	1404.1	1314.0	1282.3	1274.5
57.5°	5744.1	2751.5	1360.3	1202.5	1314.0	1493.3	1469.2	1374.0	1286.6	1262.5	1260.0
60°	6286.1	2927.3	1273.7	1106.4	1232.5	1422.1	1416.9	1330.3	1242.8	1225.7	1222.2
62.5°	7099.2	3218.1	1154.5	1010.4	1141.6	1301.1	1348.3	1271.1	1196.5	1195.6	1197.4
65°	8360.1	3655.5	1025.0	926.3	1049.8	1199.1	1268.5	1210.2	1149.3	1166.5	1169.1
67.5°	9821.6	4018.3	898.0	844.0	956.3	1102.2	1196.5	1149.3	1086.7	1131.3	1132.2
70°	10307.9	3694.1	786.5	762.5	859.4	1008.7	1118.4	1082.4	1019.0	1063.6	1059.3
72°	9592.6	2982.2	714.5	700.7	786.5	931.5	1049.0	1019.8	957.2	987.2	976.1
72.5°	9367.0	2843.3	696.5	685.3	766.8	911.7	1031.0	1004.4	941.8	967.5	957.2
75°	8355.8	2469.3	598.7	601.3	669.0	815.7	929.8	921.2	856.8	859.4	856.0
77.5°	6060.5	1810.6	504.3	521.5	569.5	717.0	827.7	822.5	752.2	739.3	736.8
80°	2812.4	923.7	410.8	418.6	468.3	599.5	705.9	699.0	642.4	626.1	616.7
82.5°	963.2	439.1	308.8	313.9	362.8	482.9	612.4	608.1	560.9	529.2	509.5
85°	343.9	218.7	216.1	211.0	259.0	380.0	533.5	510.3	440.9	375.7	374.0
87.5°	111.5	93.5	111.5	110.6	151.0	257.3	387.7	330.2	319.9	265.9	260.7
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)