

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: P318080

Luminaire Tested: **GAN-SA6B-740-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318080  
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-SA6B-740-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33542 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

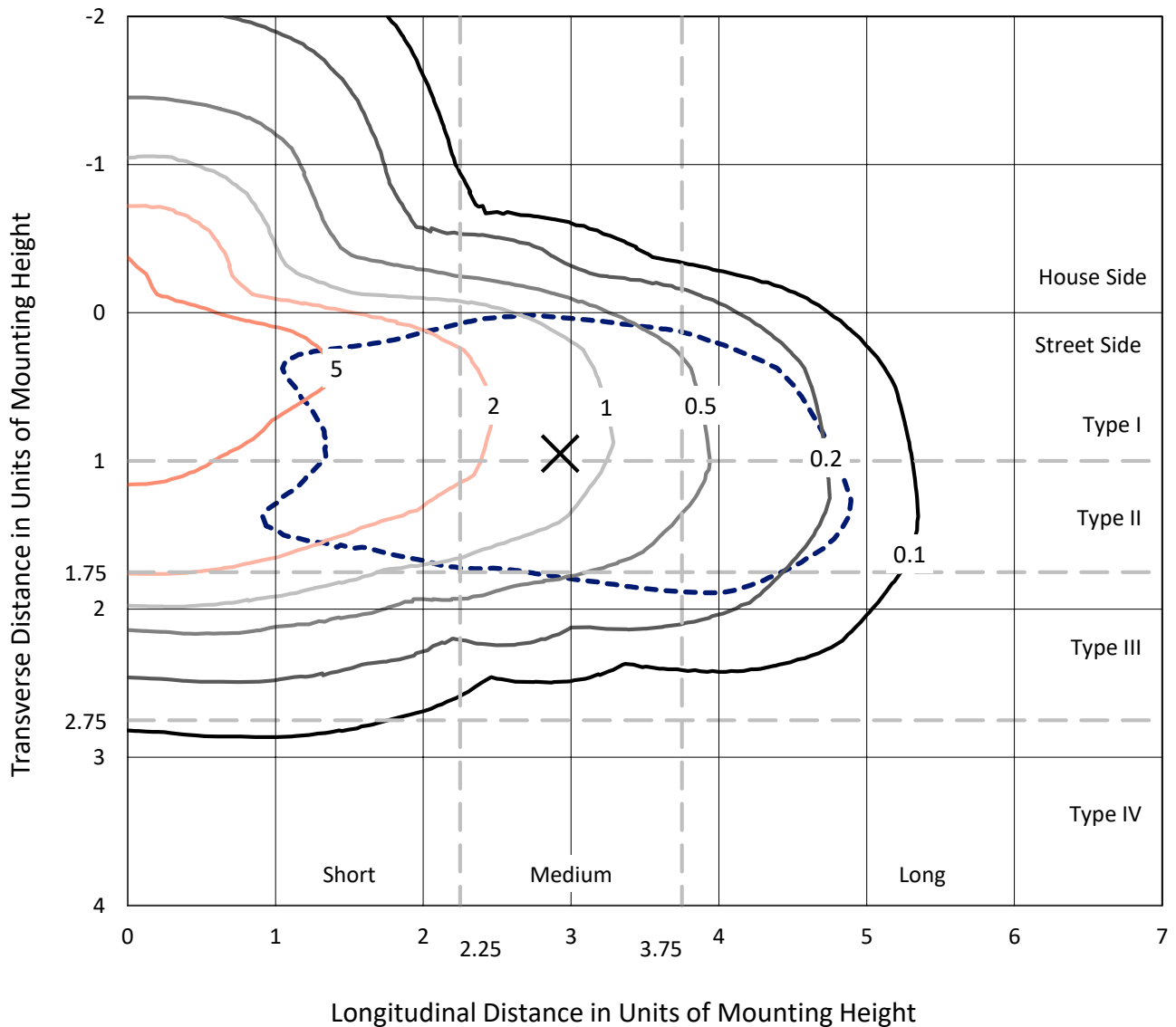
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

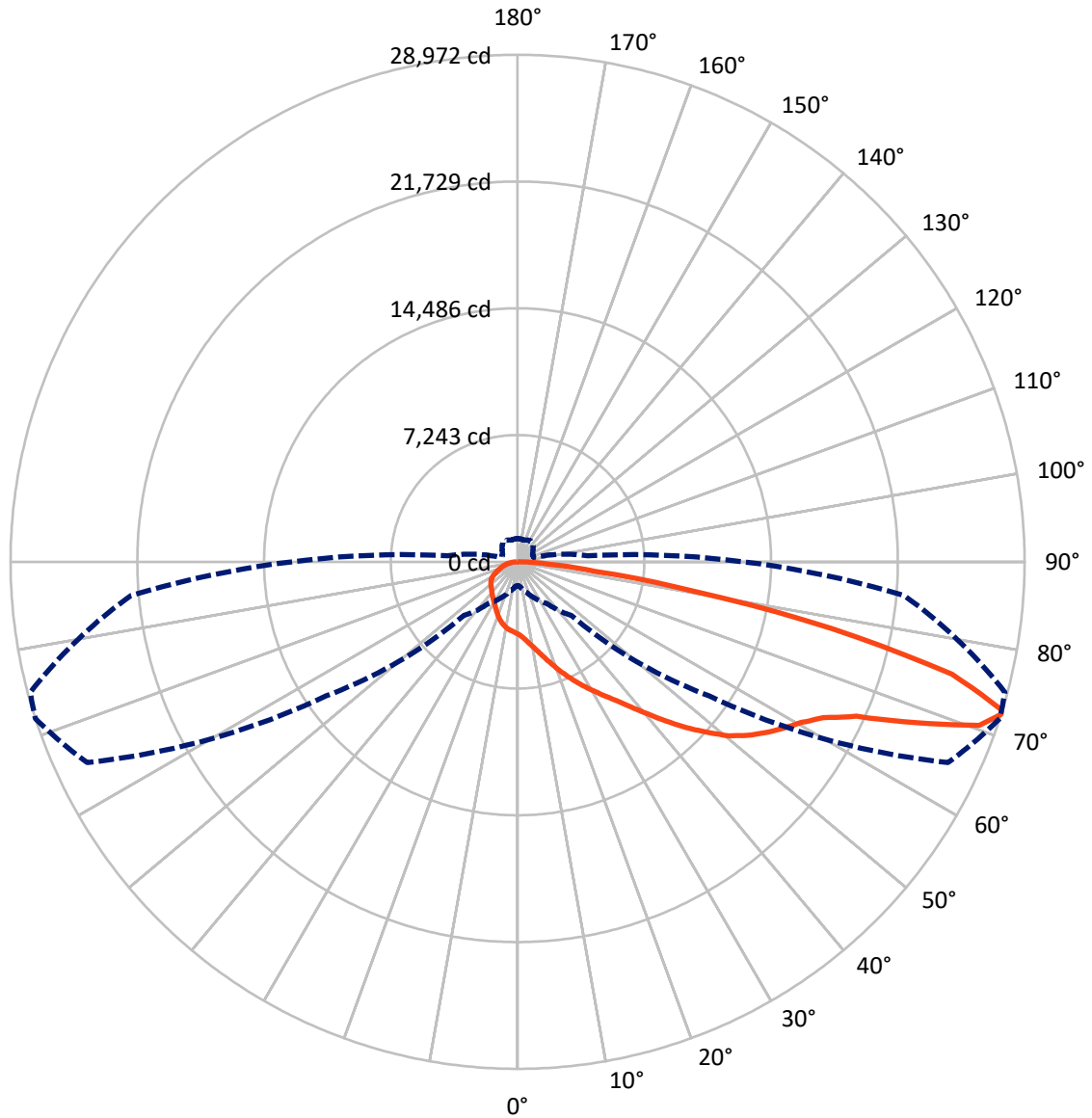
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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
<b>House Side</b>	Lumens	6222.3	0.0	6222.3
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	27319.7	0.0	27319.7
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	33542.0	0.0	33542.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	413.5	1.2
10°-20°	1336.2	4.0
20°-30°	2341.4	7.0
30°-40°	3471.6	10.4
40°-50°	5077.6	15.1
50°-60°	6986.7	20.8
60°-70°	7778.2	23.2
70°-80°	5270.5	15.7
80°-90°	866.3	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°	33542.0	100.0
0°-180°	33542.0	100.0

**Coefficient of Utilization**

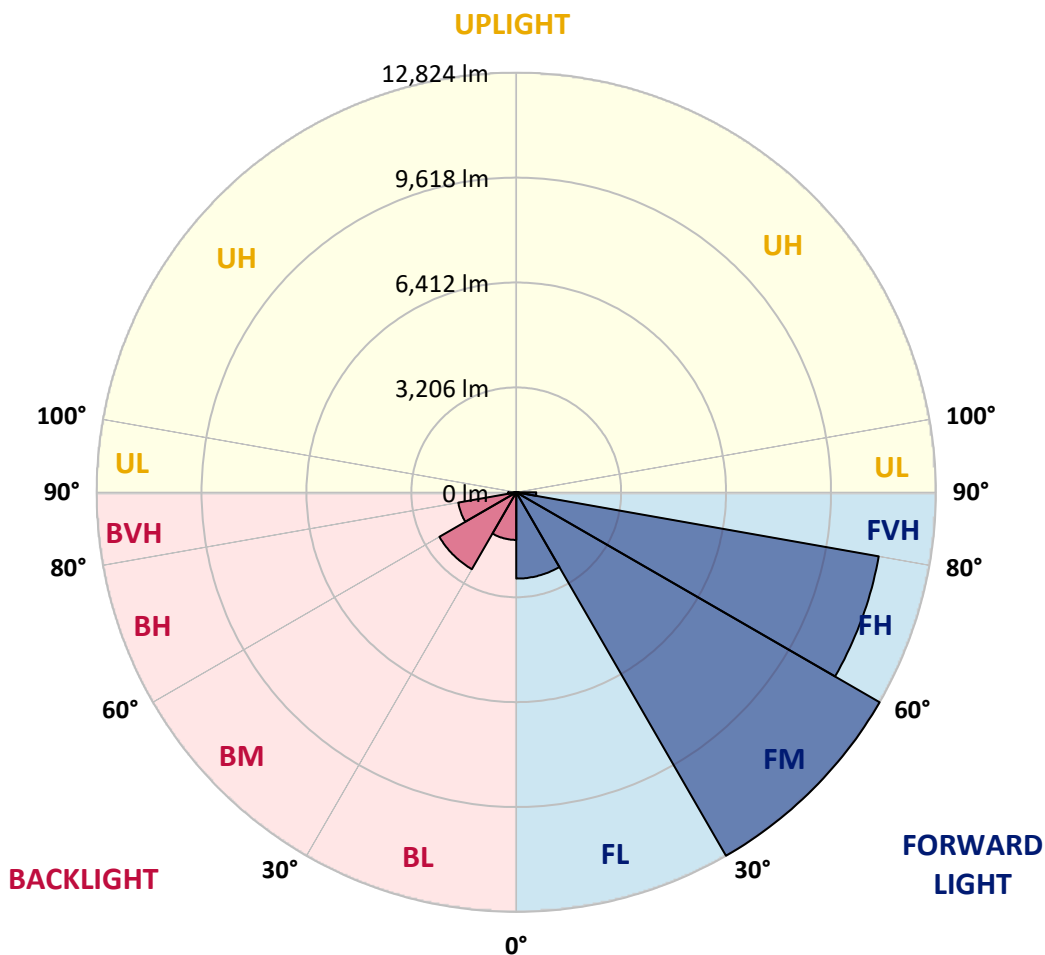


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2636.6	7.9			
FM (30°-60°)	12823.5	38.2			
FH (60°-80°)	11248.6	33.5			G4/12000
FVH (80°-90°)	611.0	1.8			G4/750
BL (0°-30°)	1454.5	4.3	B3/2500		
BM (30°-60°)	2712.3	8.1	B3/5000		
BH (60°-80°)	1800.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	255.2	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5
2.5°	4558.5	4551.6	4527.3	4527.3	4481.1	4441.8	4367.9	4318.3	4259.4	4238.6	4169.3
5°	4999.7	5002.0	4971.9	4951.2	4883.0	4799.9	4674.0	4559.6	4445.3	4399.1	4257.0
7.5°	5370.4	5365.8	5357.7	5340.4	5276.8	5191.4	5021.6	4851.8	4683.2	4613.9	4369.1
10°	5608.3	5618.7	5625.6	5633.7	5607.2	5545.9	5385.4	5178.7	4958.1	4863.4	4503.0
12.5°	5728.4	5746.9	5779.2	5834.7	5878.6	5871.6	5755.0	5535.5	5273.4	5154.4	4670.5
15°	5798.9	5823.1	5873.9	5973.3	6096.8	6167.3	6136.1	5937.5	5645.3	5498.6	4874.9
17.5°	5842.8	5862.4	5940.9	6073.7	6257.4	6444.5	6526.5	6360.2	6065.7	5898.2	5109.4
20°	5872.8	5887.8	5986.0	6141.9	6379.8	6677.8	6906.4	6864.9	6528.8	6311.7	5354.2
22.5°	5939.8	5952.5	6046.0	6203.1	6466.4	6851.0	7272.6	7334.9	7017.3	6771.3	5616.4
25°	6126.9	6126.9	6205.4	6315.1	6562.3	7001.1	7582.1	7858.1	7516.2	7229.8	5858.9
27.5°	6483.7	6480.3	6509.1	6547.3	6734.4	7153.6	7858.1	8320.1	8033.6	7720.7	6094.5
30°	6906.4	6929.5	6933.0	6914.5	7002.3	7344.2	8113.3	8807.4	8554.5	8217.3	6335.9
32.5°	7450.4	7465.4	7448.1	7386.9	7374.2	7614.4	8364.0	9317.9	9118.1	8735.8	6556.5
35°	8141.1	8112.2	8057.9	7933.2	7814.2	7975.9	8650.4	9828.4	9751.0	9363.0	6860.2
37.5°	8881.4	8882.5	8815.5	8532.6	8368.6	8437.9	9045.4	10407.0	10516.7	10109.0	7249.5
40°	9475.0	9506.2	9547.8	9175.9	8963.4	9059.2	9547.8	11078.0	11422.2	10993.7	7756.5
42.5°	9889.6	9925.4	10043.2	9809.9	9589.3	9767.2	10139.1	11794.1	12438.5	12014.7	8350.1
45°	10328.5	10348.1	10431.3	10330.8	10189.9	10590.6	10805.5	12535.5	13513.8	13102.6	9014.2
47.5°	10790.4	10811.2	10896.7	10829.7	10755.8	11359.8	11500.7	13234.3	14543.9	14298.0	9723.3
50°	11361.0	11374.8	11455.7	11334.4	11357.5	11939.6	12122.1	13875.2	15623.8	15372.0	10434.7
52.5°	12139.4	12142.9	12254.9	12145.2	12036.6	12364.6	12656.8	14479.3	16470.4	16351.4	11146.2
55°	12749.2	12786.2	13153.4	13130.3	13068.0	12750.4	13103.8	15054.4	17225.7	17282.3	11901.5
57.5°	12360.0	12504.4	13248.1	13772.5	14282.9	13710.1	13707.8	15702.3	17927.9	18195.8	12731.9
60°	10825.1	11021.4	12117.5	13280.5	14877.7	15380.1	14962.0	16493.5	18637.0	19101.3	13772.5
62.5°	7731.1	8054.4	9539.7	11396.8	14062.3	16486.5	17514.4	17748.9	19601.4	20149.9	15124.9
65°	3908.3	4153.1	5398.1	7635.2	11235.1	15763.5	20288.5	20497.6	21277.2	21764.5	17207.2
67.5°	2374.5	2466.9	3074.4	4246.7	6888.0	12279.1	21194.0	25079.2	24520.2	24778.9	20176.5
70°	1749.7	1817.8	2196.7	2820.3	3961.4	7205.6	18415.3	28348.7	27981.5	27952.6	22370.9
72°	1362.8	1412.5	1747.4	2278.7	2896.5	4322.9	13347.4	27141.9	28972.4	28826.9	22169.9
72.5°	1292.4	1336.2	1641.1	2144.7	2737.2	3918.7	12000.8	26327.6	28900.8	28835.0	21910.1
75°	1017.5	1048.7	1215.0	1658.5	2142.4	2223.2	6576.1	20402.9	25638.1	26704.1	19706.5
77.5°	841.9	846.6	934.3	1206.9	1670.0	1571.9	3230.3	14155.9	18358.7	19530.9	13959.6
80°	686.0	691.8	733.4	846.6	1263.5	1163.0	1533.7	8139.9	10278.8	10291.5	6638.5
82.5°	546.3	547.4	593.6	619.0	907.8	831.5	878.9	3821.6	4491.5	4320.6	2386.1
85°	384.6	376.5	579.8	508.2	593.6	533.6	485.1	1512.9	1857.1	1776.3	747.2
87.5°	128.2	132.8	257.5	329.2	346.5	302.6	216.0	579.8	701.0	695.3	236.8
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°	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5	4126.5
2.5°	4147.3	4110.4	4056.1	3996.0	3948.7	3900.2	3864.4	3845.9	3825.1	3807.8	3828.6
5°	4191.2	4121.9	4006.4	3893.2	3810.1	3736.2	3683.1	3655.3	3629.9	3612.6	3614.9
7.5°	4262.8	4150.8	3956.8	3791.6	3676.1	3596.4	3542.1	3523.7	3507.5	3502.9	3508.7
10°	4339.0	4173.9	3890.9	3671.5	3539.8	3474.0	3449.8	3462.5	3474.0	3484.4	3496.0
12.5°	4425.7	4194.7	3795.1	3530.6	3418.6	3393.2	3417.4	3472.9	3513.3	3537.5	3552.5
15°	4538.8	4213.2	3684.2	3389.7	3314.6	3343.5	3425.5	3521.4	3591.8	3636.9	3643.8
17.5°	4642.8	4212.0	3542.1	3247.6	3230.3	3314.6	3438.2	3573.3	3668.0	3731.6	3744.3
20°	4750.2	4180.8	3377.0	3109.1	3144.9	3283.4	3444.0	3606.8	3721.2	3795.1	3812.4
22.5°	4850.7	4126.5	3195.7	2983.2	3073.3	3241.9	3422.0	3587.2	3701.5	3761.6	3780.1
25°	4918.8	4031.8	3012.0	2876.9	3009.7	3191.1	3350.4	3483.2	3568.7	3598.7	3603.4
27.5°	4953.5	3908.3	2838.8	2784.5	2943.9	3107.9	3217.6	3283.4	3307.7	3305.4	3300.8
30°	4958.1	3745.4	2689.8	2709.5	2867.7	2985.5	3037.4	3024.7	2993.6	2940.4	2945.1
32.5°	4943.1	3561.8	2565.1	2637.8	2770.7	2836.5	2838.8	2777.6	2694.4	2610.1	2587.0
35°	4947.7	3381.6	2455.4	2557.0	2652.9	2681.7	2655.2	2565.1	2451.9	2343.3	2320.2
37.5°	4998.5	3224.5	2360.7	2463.5	2522.4	2529.3	2491.2	2396.5	2313.3	2207.1	2197.8
40°	5119.8	3112.5	2270.6	2358.4	2391.8	2395.3	2341.0	2274.0	2281.0	2224.4	2223.2
42.5°	5338.1	3064.0	2190.9	2248.6	2269.4	2276.4	2234.8	2192.0	2252.1	2215.1	2202.4
45°	5619.9	3075.6	2123.9	2141.2	2179.3	2211.7	2186.3	2134.3	2157.4	1996.9	1943.7
47.5°	5945.5	3149.5	2070.8	2048.8	2114.7	2175.9	2136.6	2058.1	1976.1	1816.7	1786.7
50°	6326.7	3263.8	2022.3	1957.6	2044.2	2127.4	2088.1	1976.1	1852.5	1775.1	1764.7
52.5°	6724.0	3403.6	1973.8	1857.1	1955.3	2090.4	2070.8	1957.6	1805.1	1728.9	1715.1
55°	7174.4	3544.5	1912.6	1740.5	1859.4	2073.1	2062.7	1890.6	1769.3	1726.6	1716.2
57.5°	7734.5	3705.0	1831.7	1619.2	1769.3	2010.7	1978.4	1850.2	1732.4	1700.0	1696.6
60°	8464.4	3941.8	1715.1	1489.9	1659.6	1914.9	1907.9	1791.3	1673.5	1650.4	1645.8
62.5°	9559.3	4333.3	1554.5	1360.5	1537.2	1752.0	1815.5	1711.6	1611.1	1610.0	1612.3
65°	11257.0	4922.3	1380.1	1247.3	1413.6	1614.6	1708.1	1629.6	1547.6	1570.7	1574.2
67.5°	13225.0	5410.8	1209.2	1136.4	1287.7	1484.1	1611.1	1547.6	1463.3	1523.3	1524.5
70°	13879.9	4974.3	1059.1	1026.7	1157.2	1358.2	1506.0	1457.5	1372.0	1432.1	1426.3
72°	12916.7	4015.7	962.1	943.6	1059.1	1254.2	1412.5	1373.2	1288.9	1329.3	1314.3
72.5°	12612.9	3828.6	937.8	922.8	1032.5	1227.7	1388.2	1352.4	1268.1	1302.8	1288.9
75°	11251.3	3325.0	806.1	809.6	900.8	1098.3	1251.9	1240.4	1153.8	1157.2	1152.6
77.5°	8160.7	2438.0	679.1	702.2	766.9	965.5	1114.5	1107.6	1012.9	995.5	992.1
80°	3787.0	1243.9	553.2	563.6	630.6	807.3	950.5	941.3	865.0	843.1	830.4
82.5°	1297.0	591.3	415.8	422.7	488.5	650.2	824.6	818.8	755.3	712.6	686.0
85°	463.1	294.5	291.0	284.1	348.8	511.6	718.4	687.2	593.6	505.9	503.5
87.5°	150.1	125.9	150.1	149.0	203.3	346.5	522.0	444.6	430.8	358.0	351.1
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)