

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: P318120

Luminaire Tested: **GAN-SA6B-750-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318120
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-750-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33541 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

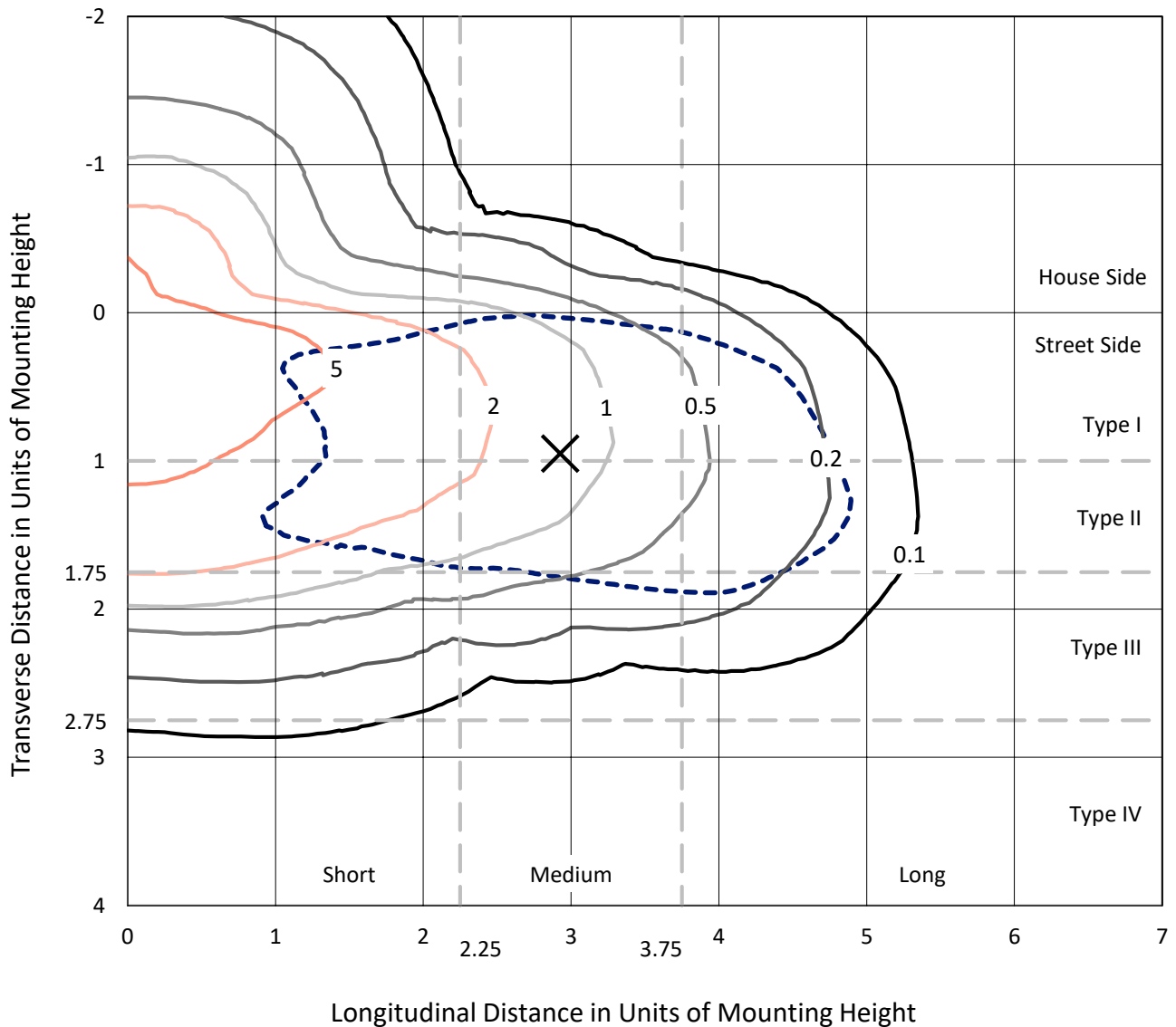
Input Watts (W): 249
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

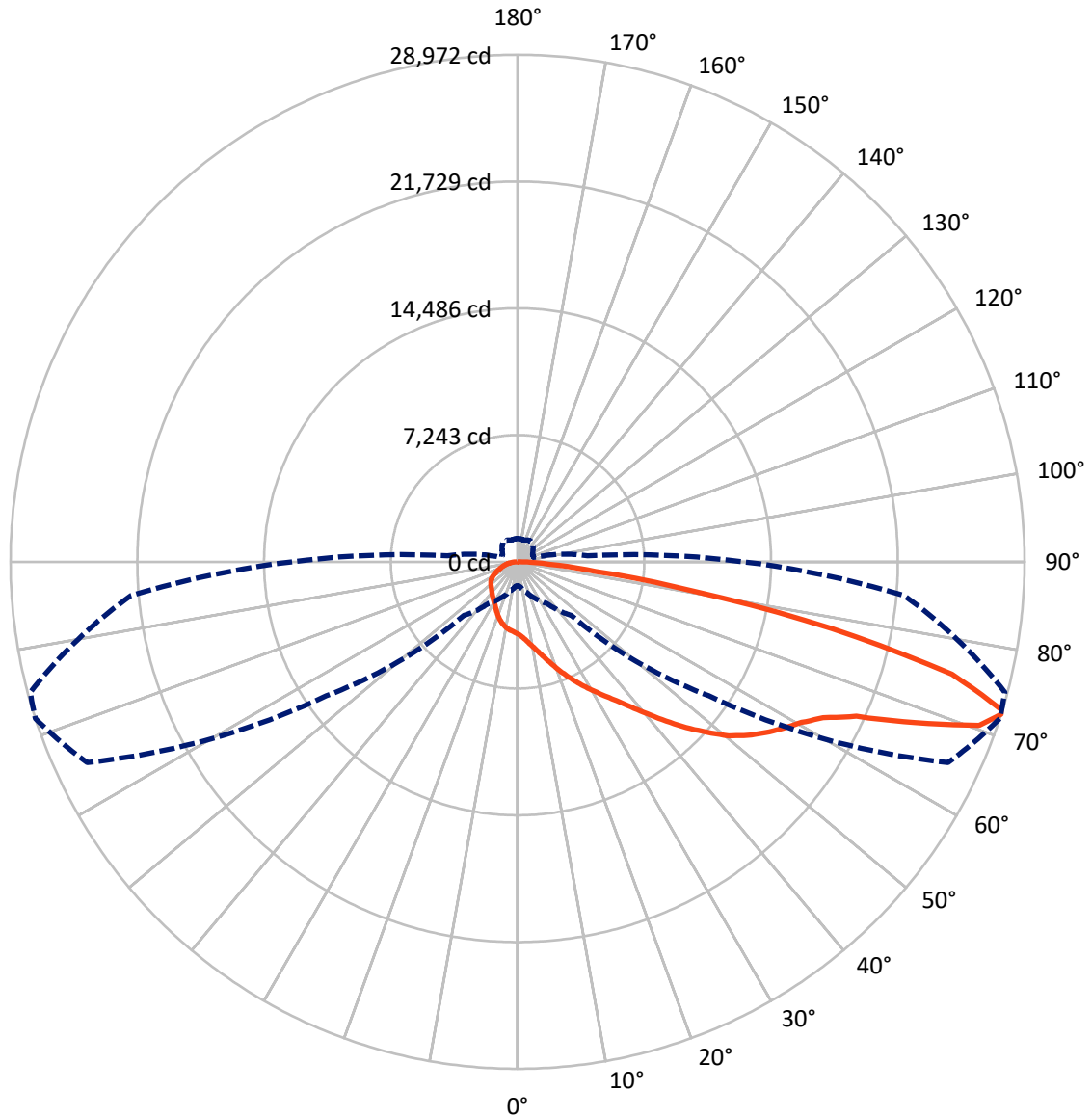
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	6222.1	0.0	6222.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	27318.9	0.0	27318.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	33541.0	0.0	33541.0
	% 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°	3471.5	10.4
40°-50°	5077.4	15.1
50°-60°	6986.5	20.8
60°-70°	7778.0	23.2
70°-80°	5270.4	15.7
80°-90°	866.2	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°	33541.0	100.0
0°-180°	33541.0	100.0

Coefficient of Utilization

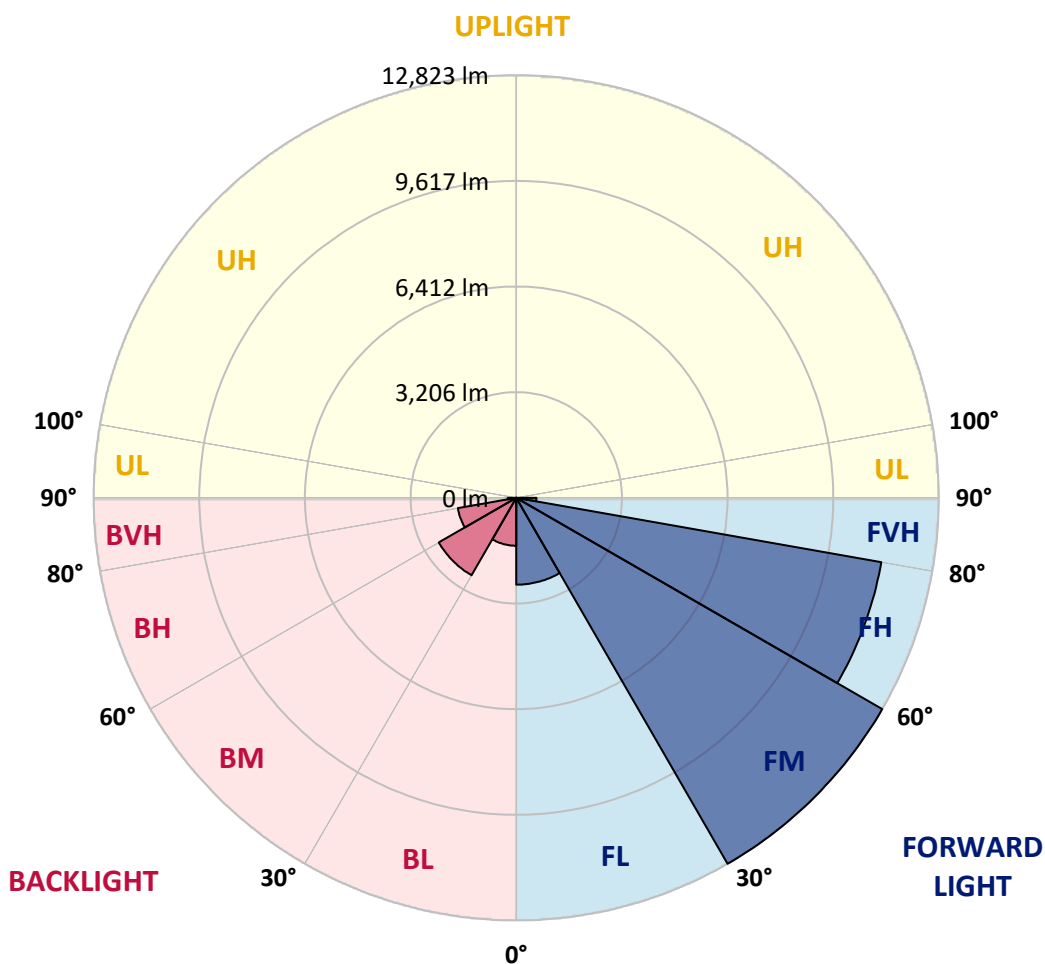


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2636.5	7.9			
FM (30°-60°)	12823.1	38.2			
FH (60°-80°)	11248.2	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°)	2712.2	8.1	B3/5000		
BH (60°-80°)	1800.1	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°	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4
2.5°	4558.3	4551.4	4527.2	4527.2	4481.0	4441.7	4367.8	4318.1	4259.2	4238.4	4169.1
5°	4999.5	5001.8	4971.8	4951.0	4882.9	4799.7	4673.8	4559.5	4445.2	4399.0	4256.9
7.5°	5370.2	5365.6	5357.5	5340.2	5276.7	5191.2	5021.5	4851.7	4683.1	4613.8	4368.9
10°	5608.1	5618.5	5625.5	5633.5	5607.0	5545.8	5385.2	5178.5	4957.9	4863.2	4502.9
12.5°	5728.2	5746.7	5779.1	5834.5	5878.4	5871.5	5754.8	5535.4	5273.2	5154.3	4670.4
15°	5798.7	5822.9	5873.8	5973.1	6096.7	6167.1	6135.9	5937.3	5645.1	5498.4	4874.8
17.5°	5842.6	5862.2	5940.7	6073.6	6257.2	6444.3	6526.3	6360.0	6065.5	5898.0	5109.2
20°	5872.6	5887.6	5985.8	6141.7	6379.6	6677.6	6906.2	6864.7	6528.6	6311.5	5354.1
22.5°	5939.6	5952.3	6045.8	6202.9	6466.2	6850.8	7272.3	7334.7	7017.1	6771.1	5616.2
25°	6126.7	6126.7	6205.2	6314.9	6562.1	7000.9	7581.8	7857.9	7516.0	7229.6	5858.8
27.5°	6483.5	6480.1	6509.0	6547.1	6734.2	7153.4	7857.9	8319.8	8033.4	7720.4	6094.3
30°	6906.2	6929.3	6932.8	6914.3	7002.1	7343.9	8113.1	8807.2	8554.3	8217.0	6335.7
32.5°	7450.2	7465.2	7447.9	7386.7	7374.0	7614.2	8363.7	9317.6	9117.8	8735.6	6556.3
35°	8140.8	8111.9	8057.7	7932.9	7814.0	7975.7	8650.1	9828.1	9750.7	9362.7	6860.0
37.5°	8881.1	8882.3	8815.3	8532.3	8368.3	8437.6	9045.1	10406.7	10516.4	10108.7	7249.2
40°	9474.7	9505.9	9547.5	9175.6	8963.1	9058.9	9547.5	11077.7	11421.9	10993.4	7756.2
42.5°	9889.3	9925.1	10042.9	9809.6	9589.0	9766.9	10138.8	11793.7	12438.2	12014.3	8349.8
45°	10328.2	10347.8	10431.0	10330.5	10189.6	10590.3	10805.1	12535.2	13513.4	13102.2	9013.9
47.5°	10790.1	10810.9	10896.4	10829.4	10755.5	11359.5	11500.4	13233.9	14543.5	14297.5	9723.0
50°	11360.6	11374.5	11455.3	11334.1	11357.2	11939.2	12121.7	13874.8	15623.3	15371.6	10434.4
52.5°	12139.0	12142.5	12254.5	12144.8	12036.3	12364.2	12656.4	14478.8	16469.9	16350.9	11145.8
55°	12748.8	12785.8	13153.0	13129.9	13067.6	12750.0	13103.4	15054.0	17225.2	17281.8	11901.1
57.5°	12359.6	12504.0	13247.7	13772.1	14282.5	13709.7	13707.4	15701.9	17927.3	18195.3	12731.5
60°	10824.8	11021.1	12117.1	13280.1	14877.3	15379.7	14961.6	16493.0	18636.4	19100.7	13772.1
62.5°	7730.8	8054.2	9539.4	11396.4	14061.9	16486.0	17513.9	17748.3	19600.8	20149.3	15124.4
65°	3908.1	4153.0	5398.0	7635.0	11234.8	15763.1	20287.9	20497.0	21276.5	21763.9	17206.7
67.5°	2374.5	2466.8	3074.3	4246.5	6887.8	12278.8	21193.4	25078.4	24519.4	24778.1	20175.9
70°	1749.7	1817.8	2196.6	2820.2	3961.3	7205.4	18414.7	28347.9	27980.6	27951.8	22370.2
72°	1362.8	1412.4	1747.3	2278.6	2896.5	4322.7	13347.1	27141.0	28971.5	28826.0	22169.2
72.5°	1292.3	1336.2	1641.1	2144.6	2737.1	3918.5	12000.5	26326.8	28899.9	28834.1	21909.4
75°	1017.5	1048.6	1214.9	1658.4	2142.3	2223.2	6575.9	20402.3	25637.4	26703.3	19705.9
77.5°	841.9	846.5	934.3	1206.9	1670.0	1571.8	3230.2	14155.5	18358.1	19530.3	13959.1
80°	686.0	691.8	733.4	846.5	1263.4	1163.0	1533.7	8139.7	10278.5	10291.2	6638.3
82.5°	546.3	547.4	593.6	619.0	907.7	831.5	878.9	3821.5	4491.4	4320.4	2386.0
85°	384.6	376.5	579.8	508.2	593.6	533.6	485.1	1512.9	1857.1	1776.2	747.2
87.5°	128.2	132.8	257.5	329.1	346.5	302.6	216.0	579.8	701.0	695.2	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°	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4	4126.4
2.5°	4147.2	4110.2	4056.0	3995.9	3948.6	3900.1	3864.3	3845.8	3825.0	3807.7	3828.5
5°	4191.1	4121.8	4006.3	3893.1	3810.0	3736.1	3682.9	3655.2	3629.8	3612.5	3614.8
7.5°	4262.7	4150.7	3956.6	3791.5	3676.0	3596.3	3542.0	3523.6	3507.4	3502.8	3508.6
10°	4338.9	4173.8	3890.8	3671.4	3539.7	3473.9	3449.7	3462.4	3473.9	3484.3	3495.8
12.5°	4425.5	4194.6	3795.0	3530.5	3418.5	3393.1	3417.3	3472.8	3513.2	3537.4	3552.4
15°	4538.7	4213.0	3684.1	3389.6	3314.5	3343.4	3425.4	3521.3	3591.7	3636.7	3643.7
17.5°	4642.7	4211.9	3542.0	3247.5	3230.2	3314.5	3438.1	3573.2	3667.9	3731.4	3744.1
20°	4750.1	4180.7	3376.9	3109.0	3144.8	3283.3	3443.9	3606.7	3721.1	3795.0	3812.3
22.5°	4850.5	4126.4	3195.6	2983.1	3073.2	3241.8	3421.9	3587.1	3701.4	3761.5	3780.0
25°	4918.7	4031.7	3012.0	2876.8	3009.6	3191.0	3350.3	3483.1	3568.6	3598.6	3603.3
27.5°	4953.3	3908.1	2838.7	2784.4	2943.8	3107.8	3217.5	3283.3	3307.6	3305.3	3300.7
30°	4957.9	3745.3	2689.7	2709.4	2867.6	2985.4	3037.4	3024.7	2993.5	2940.3	2945.0
32.5°	4942.9	3561.7	2565.0	2637.8	2770.6	2836.4	2838.7	2777.5	2694.4	2610.0	2587.0
35°	4947.5	3381.5	2455.3	2556.9	2652.8	2681.7	2655.1	2565.0	2451.8	2343.3	2320.2
37.5°	4998.4	3224.4	2360.6	2463.4	2522.3	2529.2	2491.1	2396.4	2313.2	2207.0	2197.8
40°	5119.6	3112.4	2270.5	2358.3	2391.8	2395.2	2341.0	2274.0	2280.9	2224.3	2223.2
42.5°	5337.9	3063.9	2190.8	2248.6	2269.4	2276.3	2234.7	2192.0	2252.0	2215.1	2202.4
45°	5619.7	3075.5	2123.8	2141.2	2179.3	2211.6	2186.2	2134.2	2157.3	1996.8	1943.7
47.5°	5945.4	3149.4	2070.7	2048.8	2114.6	2175.8	2136.5	2058.0	1976.0	1816.6	1786.6
50°	6326.5	3263.7	2022.2	1957.5	2044.2	2127.3	2088.0	1976.0	1852.4	1775.1	1764.7
52.5°	6723.8	3403.5	1973.7	1857.1	1955.2	2090.3	2070.7	1957.5	1805.1	1728.9	1715.0
55°	7174.2	3544.4	1912.5	1740.4	1859.4	2073.0	2062.6	1890.6	1769.3	1726.6	1716.2
57.5°	7734.3	3704.9	1831.7	1619.2	1769.3	2010.7	1978.3	1850.1	1732.3	1700.0	1696.5
60°	8464.2	3941.6	1715.0	1489.8	1659.6	1914.8	1907.9	1791.2	1673.4	1650.3	1645.7
62.5°	9559.0	4333.1	1554.5	1360.5	1537.2	1752.0	1815.5	1711.5	1611.1	1609.9	1612.2
65°	11256.7	4922.1	1380.1	1247.3	1413.6	1614.5	1708.1	1629.5	1547.6	1570.6	1574.1
67.5°	13224.6	5410.7	1209.2	1136.4	1287.7	1484.0	1611.1	1547.6	1463.2	1523.3	1524.5
70°	13879.5	4974.1	1059.0	1026.7	1157.2	1358.1	1506.0	1457.5	1372.0	1432.1	1426.3
72°	12916.3	4015.5	962.0	943.5	1059.0	1254.2	1412.4	1373.2	1288.9	1329.3	1314.3
72.5°	12612.5	3828.5	937.8	922.8	1032.5	1227.6	1388.2	1352.4	1268.1	1302.7	1288.9
75°	11250.9	3324.9	806.1	809.6	900.8	1098.3	1251.9	1240.4	1153.7	1157.2	1152.6
77.5°	8160.4	2438.0	679.1	702.2	766.8	965.5	1114.5	1107.5	1012.8	995.5	992.0
80°	3786.9	1243.8	553.2	563.6	630.6	807.3	950.5	941.2	865.0	843.1	830.4
82.5°	1296.9	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	718.3	687.2	593.6	505.8	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)