

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: P317360

Luminaire Tested: **GAN-SA6B-727-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29778 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

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



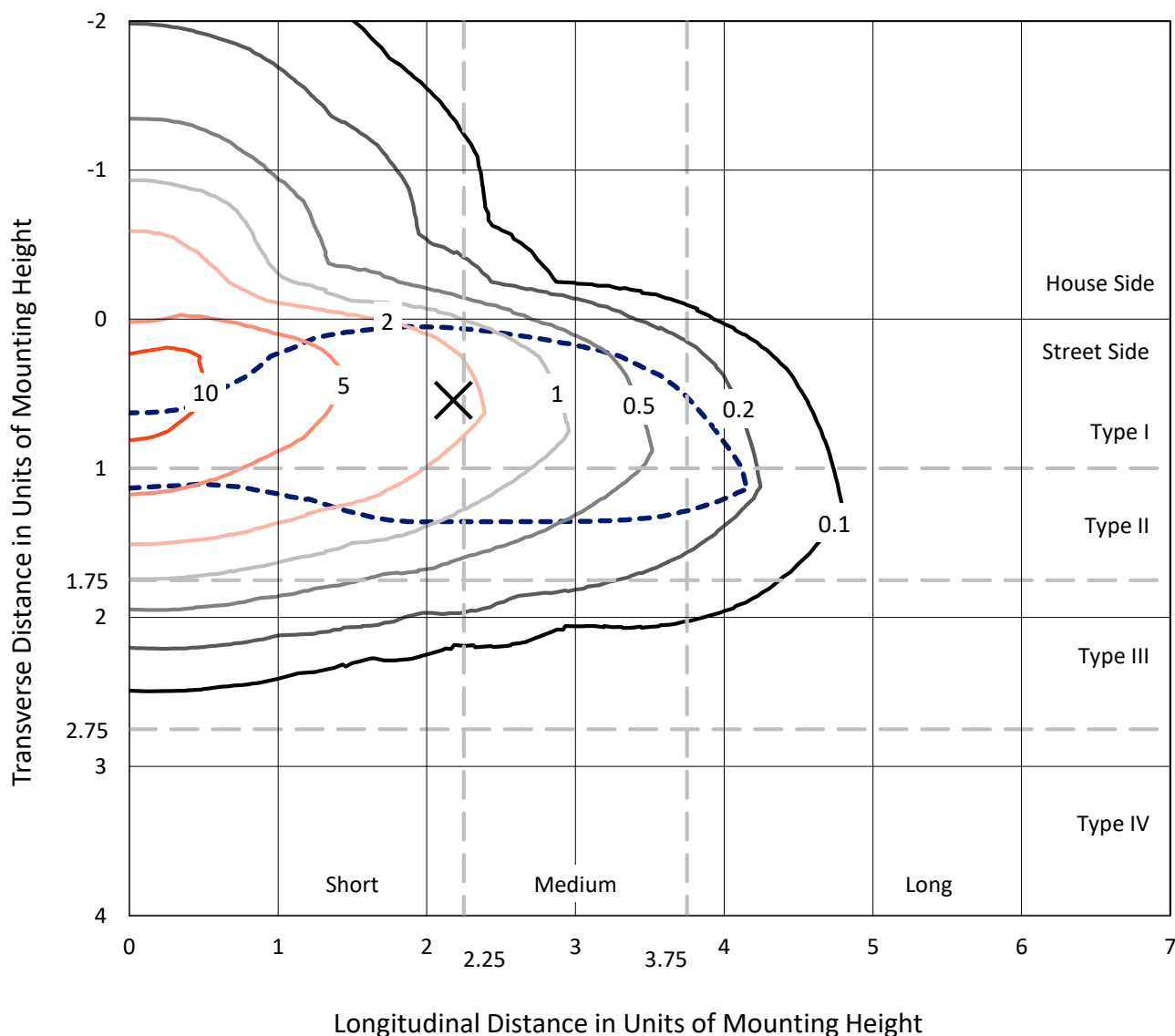
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

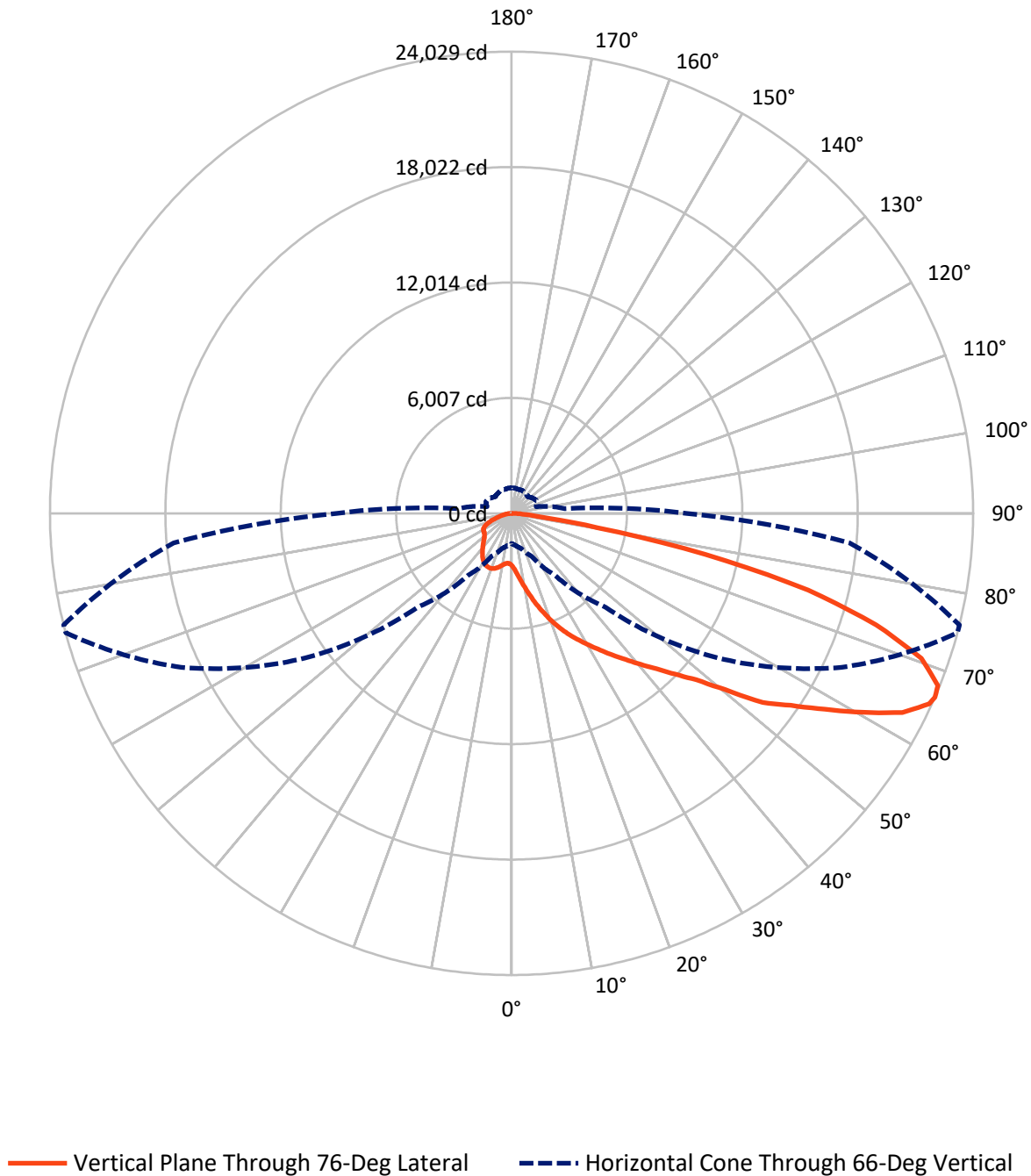


Based on 25 foot mounting height. Maximum calculated value = 11.5 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5010.6	0.0	5010.6
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	24767.4	0.0	24767.4
	% Fixture	83.2	0.0	83.2
Total	Lumens	29778.0	0.0	29778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.8	1.1
10°-20°	1298.6	4.4
20°-30°	2523.5	8.5
30°-40°	4118.9	13.8
40°-50°	5627.4	18.9
50°-60°	6554.8	22.0
60°-70°	5876.5	19.7
70°-80°	2969.8	10.0
80°-90°	479.6	1.6
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°	29778.0	100.0
0°-180°	29778.0	100.0

Coefficient of Utilization



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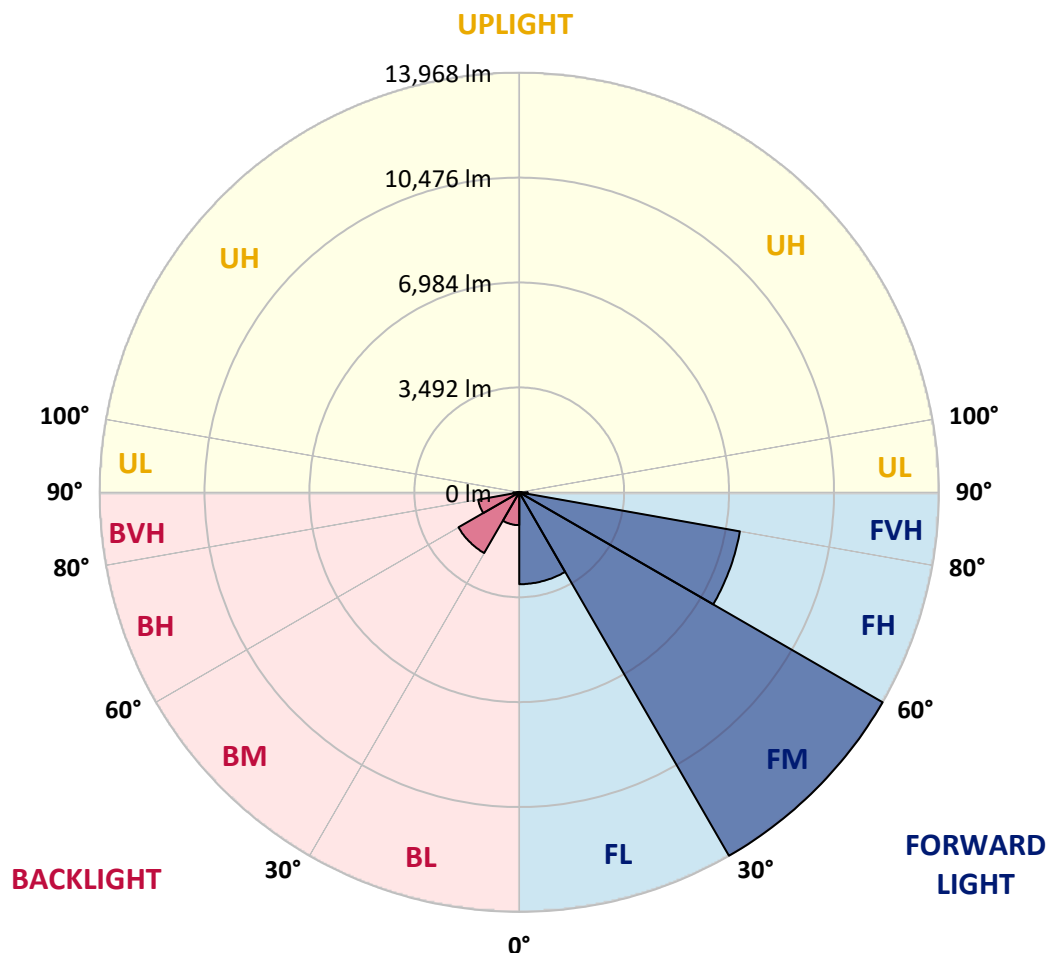
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3058.1	10.3			
FM	(30°-60°)	13967.9	46.9			
FH	(60°-80°)	7458.1	25.0			G3/7500
FVH	(80°-90°)	283.2	1.0			G3/500
BL	(0°-30°)	1092.8	3.7	B3/2500		
BM	(30°-60°)	2333.2	7.8	B2/2500		
BH	(60°-80°)	1388.2	4.7	B3/2500		G3/2500
BVH	(80°-90°)	196.4	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4
2.5°	3610.0	3555.4	3550.4	3470.5	3452.3	3299.7	3187.5	3070.2	2936.8	2910.5	2805.3
5°	4637.1	4632.1	4562.3	4431.9	4329.8	4069.0	3811.2	3538.3	3239.0	3190.5	2953.9
7.5°	5561.1	5553.0	5499.5	5358.9	5211.3	4890.9	4522.9	4104.4	3619.1	3547.4	3155.1
10°	6262.7	6259.7	6241.5	6138.4	6013.0	5705.7	5299.3	4728.1	4060.9	3962.8	3406.8
12.5°	6804.6	6810.6	6822.8	6786.4	6726.7	6464.9	6048.4	5389.3	4532.0	4435.0	3686.9
15°	7171.5	7189.7	7252.4	7304.0	7335.3	7174.6	6771.2	6065.6	5059.7	4943.5	3997.2
17.5°	7356.5	7376.8	7484.9	7640.6	7784.2	7768.0	7447.5	6710.6	5566.2	5454.0	4330.8
20°	7516.3	7531.4	7652.7	7839.8	8093.5	8205.7	8025.8	7331.3	6121.2	5987.7	4684.7
22.5°	7979.3	7998.5	8034.9	8141.0	8365.4	8571.7	8484.7	7918.6	6629.7	6505.3	5020.3
25°	8872.9	8896.2	8817.3	8727.4	8769.8	8913.4	8929.5	8454.4	7145.3	7004.7	5381.2
27.5°	9949.6	9982.9	9848.5	9617.0	9414.8	9359.2	9340.0	8893.2	7637.6	7474.8	5738.0
30°	11004.0	11061.6	10886.7	10586.5	10215.5	9954.6	9761.5	9322.8	8122.8	7967.1	6074.7
32.5°	12034.1	12010.9	11757.1	11464.0	11029.3	10702.7	10235.7	9783.8	8668.7	8489.8	6409.3
35°	12739.7	12747.8	12512.3	12164.5	11750.0	11499.3	10870.5	10281.2	9225.8	9061.0	6789.4
37.5°	13340.2	13302.8	13035.9	12711.4	12354.6	12247.4	11613.6	10829.1	9829.3	9649.3	7193.8
40°	13540.4	13496.9	13322.0	13088.5	12802.4	12793.3	12433.4	11449.8	10511.7	10333.7	7649.7
42.5°	13419.1	13363.5	13291.7	13228.0	13140.1	13180.5	13203.8	12177.7	11261.8	11062.6	8177.4
45°	12971.2	12887.3	12937.9	13076.4	13267.5	13495.9	13899.3	12983.4	12101.8	11935.0	8797.1
47.5°	12282.8	12207.0	12364.7	12660.9	13180.5	13758.8	14557.4	13873.0	13104.7	12938.9	9679.7
50°	11314.3	11336.6	11562.0	12100.8	12886.3	13880.1	15368.2	15050.7	14562.5	14407.8	10883.7
52.5°	9725.2	9729.2	10364.1	11248.6	12364.7	13817.4	15818.0	16556.0	16553.0	16366.0	12030.1
55°	8249.2	8339.2	8841.6	10017.3	11519.6	13566.7	16132.4	17287.9	17860.1	17640.7	13098.6
57.5°	6807.6	6860.2	7336.3	8517.1	10313.5	12898.5	16454.9	18166.4	19366.4	19227.9	14427.0
60°	5167.9	5248.8	5741.1	6831.9	8770.8	11712.6	16485.2	19083.3	21166.9	21027.4	15910.0
62.5°	3354.3	3493.8	3954.8	4976.8	6904.7	10007.2	15781.6	19682.8	22873.3	22823.8	17226.3
65°	1927.8	2033.0	2353.4	3142.0	4763.5	7866.1	14108.5	19452.3	23923.7	23895.4	17718.6
66°	1575.0	1640.7	1886.4	2455.6	3930.5	6907.7	13136.0	18966.1	24027.8	24028.8	17662.0
67.5°	1259.6	1288.9	1399.1	1758.0	2900.4	5475.2	11398.2	17893.5	23898.4	23933.8	17297.0
70°	1042.3	1057.4	1091.8	1178.7	1583.1	3301.7	8090.5	15106.3	22599.4	22626.6	15872.6
72.5°	935.1	944.2	957.4	969.5	1117.1	1844.9	4941.4	12084.7	19814.2	19849.6	13702.2
75°	847.2	852.2	850.2	851.2	937.1	1175.7	2553.6	9022.6	16021.2	15950.5	10496.5
77.5°	744.0	749.1	739.0	741.0	829.0	903.8	1270.7	6316.3	10811.9	10312.5	5913.9
80°	628.8	632.8	628.8	635.9	721.8	682.4	739.0	3553.4	4780.7	4521.9	2102.7
82.5°	475.1	492.3	504.5	532.8	594.4	485.2	494.3	1384.0	1455.7	1386.0	645.0
85°	208.3	253.7	380.1	407.4	446.8	291.1	324.5	564.1	592.4	574.2	234.5
87.5°	54.6	59.6	188.0	236.6	247.7	131.4	168.8	256.8	270.9	256.8	77.8
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°	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4	2719.4
2.5°	2749.7	2700.2	2611.2	2532.4	2472.7	2432.3	2391.9	2371.6	2359.5	2347.4	2349.4
5°	2837.7	2737.6	2584.9	2476.8	2416.1	2377.7	2357.5	2349.4	2344.3	2332.2	2332.2
7.5°	2970.1	2828.6	2618.3	2507.1	2459.6	2430.3	2418.1	2414.1	2408.0	2393.9	2395.9
10°	3136.9	2938.8	2688.1	2579.9	2536.4	2504.1	2486.9	2480.8	2469.7	2453.5	2455.6
12.5°	3333.0	3075.3	2780.1	2666.8	2614.3	2570.8	2542.5	2525.3	2506.1	2484.9	2485.9
15°	3547.4	3223.9	2879.1	2744.7	2672.9	2612.2	2566.8	2537.4	2507.1	2480.8	2479.8
17.5°	3764.7	3367.4	2954.9	2787.1	2690.1	2610.2	2548.6	2503.1	2465.7	2433.3	2430.3
20°	3999.2	3496.8	2997.4	2783.1	2657.7	2562.7	2480.8	2424.2	2382.8	2350.4	2345.4
22.5°	4237.8	3618.1	3004.5	2741.6	2586.0	2469.7	2383.8	2321.1	2278.6	2245.3	2233.1
25°	4456.2	3712.1	2975.2	2661.8	2485.9	2360.5	2276.6	2212.9	2178.6	2139.1	2127.0
27.5°	4655.3	3777.8	2916.5	2559.7	2373.7	2250.3	2171.5	2116.9	2079.5	2049.2	2039.0
30°	4834.3	3813.2	2820.5	2438.4	2258.4	2146.2	2079.5	2042.1	2009.7	1971.3	1964.2
32.5°	5004.1	3813.2	2697.2	2305.9	2144.2	2054.2	2014.8	1991.5	1955.1	1917.7	1907.6
35°	5173.9	3790.0	2551.6	2167.4	2039.0	1988.5	1986.5	1959.2	1903.6	1853.0	1839.9
37.5°	5352.9	3742.5	2387.8	2038.0	1953.1	1959.2	1976.4	1915.7	1836.9	1765.1	1745.9
40°	5555.1	3676.8	2218.0	1925.8	1881.3	1946.0	1949.1	1853.0	1699.4	1633.7	1616.5
42.5°	5792.6	3611.0	2060.3	1826.8	1824.7	1906.6	1897.5	1717.6	1625.6	1592.2	1583.1
45°	6105.0	3573.6	1910.7	1732.7	1780.2	1842.9	1809.6	1642.8	1604.3	1585.1	1577.1
47.5°	6597.3	3592.8	1773.2	1657.9	1735.8	1779.2	1645.8	1612.4	1585.1	1561.9	1553.8
50°	7214.0	3581.7	1662.0	1606.4	1685.2	1712.5	1572.0	1573.0	1558.9	1532.6	1520.4
52.5°	7678.0	3494.8	1590.2	1577.1	1640.7	1594.2	1525.5	1534.6	1527.5	1489.1	1476.0
55°	8125.9	3420.0	1553.8	1565.9	1608.4	1446.6	1470.9	1493.1	1486.1	1448.7	1442.6
57.5°	8682.9	3405.8	1531.6	1569.0	1581.1	1372.8	1418.3	1447.7	1442.6	1426.4	1423.4
60°	9365.3	3409.9	1511.3	1574.0	1550.8	1318.3	1368.8	1406.2	1409.2	1406.2	1404.2
62.5°	9740.3	3299.7	1460.8	1559.9	1497.2	1270.7	1317.2	1371.8	1372.8	1378.9	1377.9
65°	9421.9	2970.1	1366.8	1510.3	1407.2	1231.3	1272.8	1332.4	1317.2	1344.5	1344.5
66°	9112.5	2780.1	1320.3	1478.0	1368.8	1216.1	1258.6	1312.2	1293.0	1330.4	1330.4
67.5°	8480.7	2459.6	1236.4	1409.2	1314.2	1194.9	1242.4	1278.8	1252.5	1308.1	1304.1
70°	7326.2	1902.6	1067.5	1253.6	1224.2	1163.6	1220.2	1212.1	1173.7	1258.6	1242.4
72.5°	6176.8	1445.6	857.3	1049.3	1087.8	1124.2	1188.9	1127.2	1078.7	1138.3	1102.9
75°	4792.8	1086.8	677.3	815.8	918.9	1062.5	1151.4	1029.1	959.4	953.3	934.1
77.5°	2591.0	746.1	536.8	622.7	729.9	985.7	1126.2	924.0	818.9	794.6	779.4
80°	1026.1	485.2	390.2	472.1	510.5	874.5	1065.5	801.7	675.3	651.0	627.8
82.5°	423.6	287.1	251.7	316.4	332.6	748.1	956.3	657.1	521.6	721.8	766.3
85°	182.0	157.7	149.6	163.8	188.0	524.7	761.2	501.4	563.1	502.4	399.3
87.5°	54.6	66.7	63.7	62.7	68.7	125.4	405.4	279.0	413.5	156.7	117.3
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)