

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: P320920

Luminaire Tested: **GAN-SA6B-730-U-AFL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-AFL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31933 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

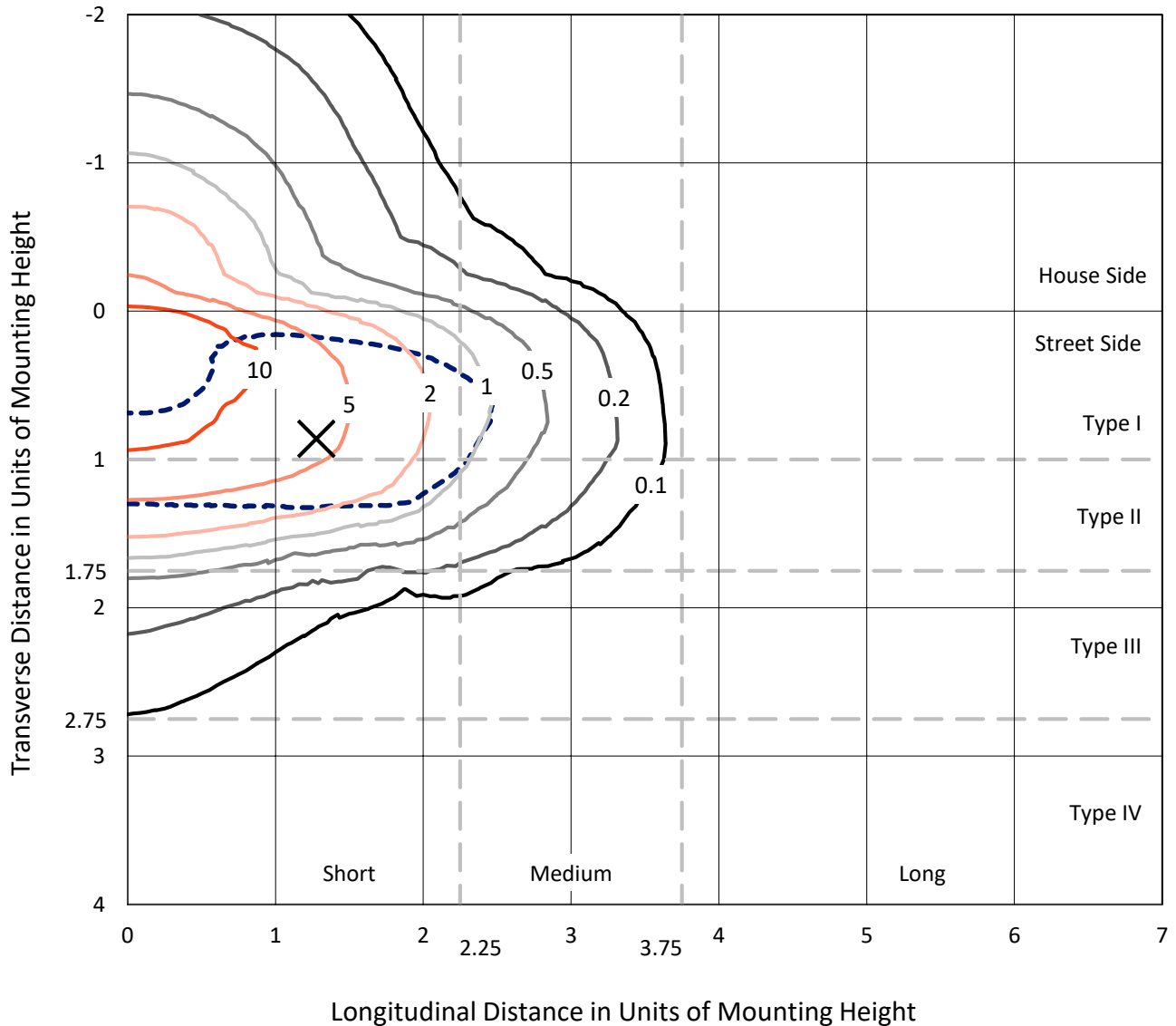
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

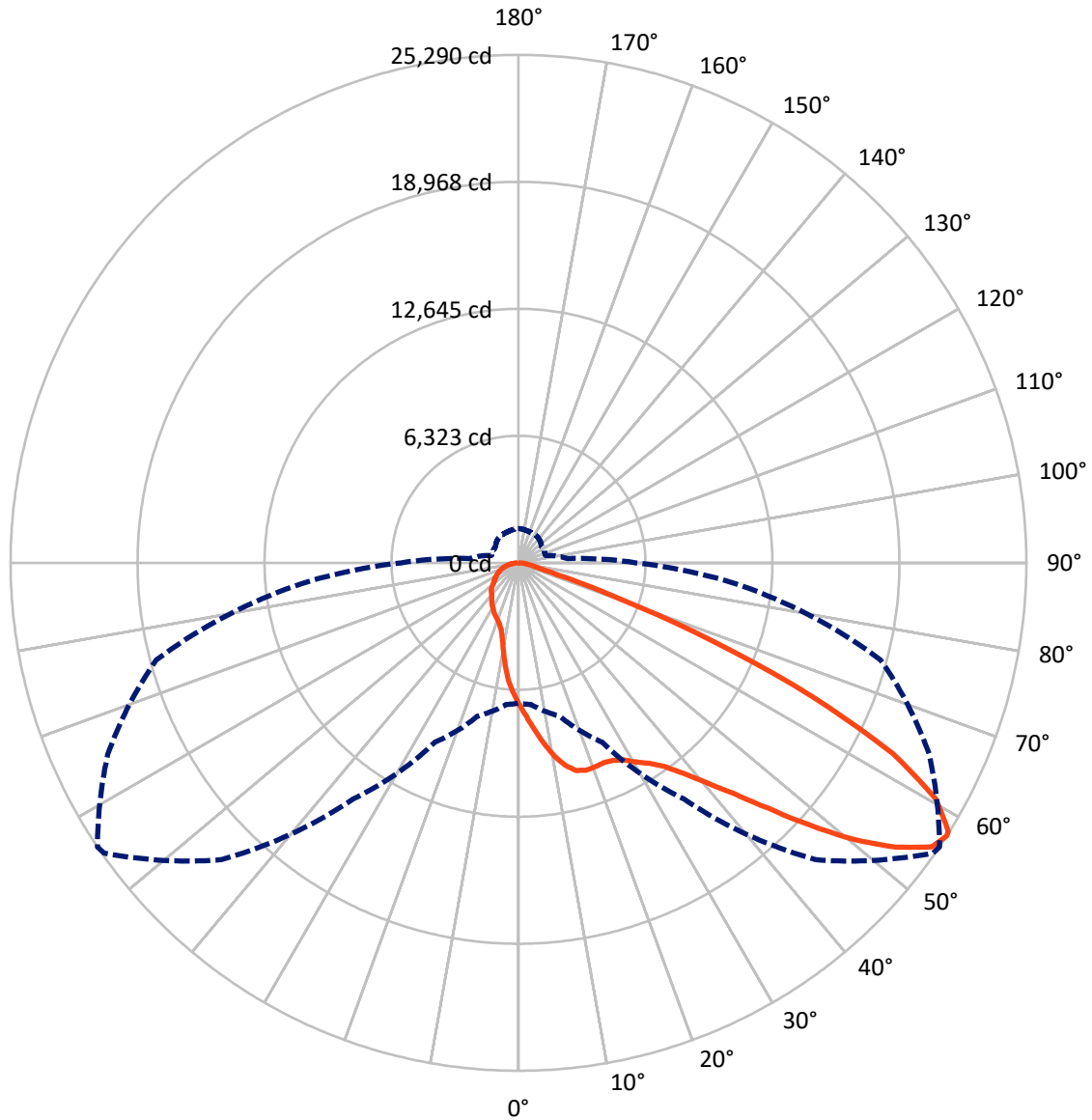
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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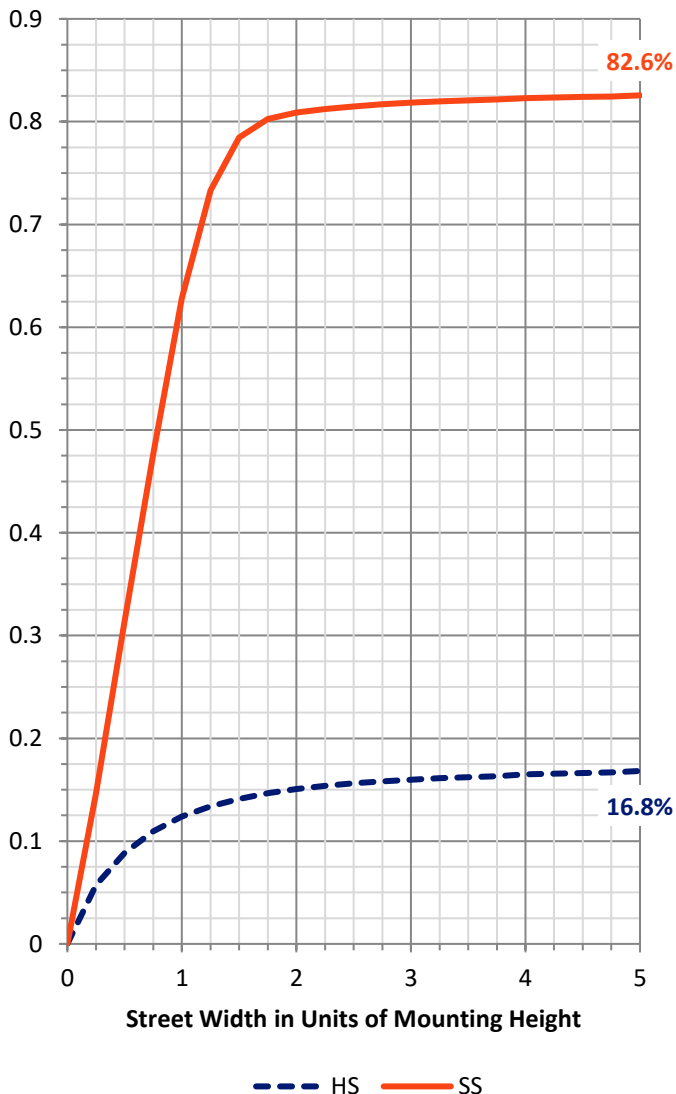
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5504.6	0.0	5504.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	26428.4	0.0	26428.4
	% Fixture	82.8	0.0	82.8
Total	Lumens	31933.0	0.0	31933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.6	2.1
10°-20°	1912.9	6.0
20°-30°	3115.7	9.8
30°-40°	4657.6	14.6
40°-50°	7064.6	22.1
50°-60°	7918.1	24.8
60°-70°	4676.8	14.6
70°-80°	1532.3	4.8
80°-90°	378.6	1.2
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°	31933.0	100.0
0°-180°	31933.0	100.0

Coefficient of Utilization

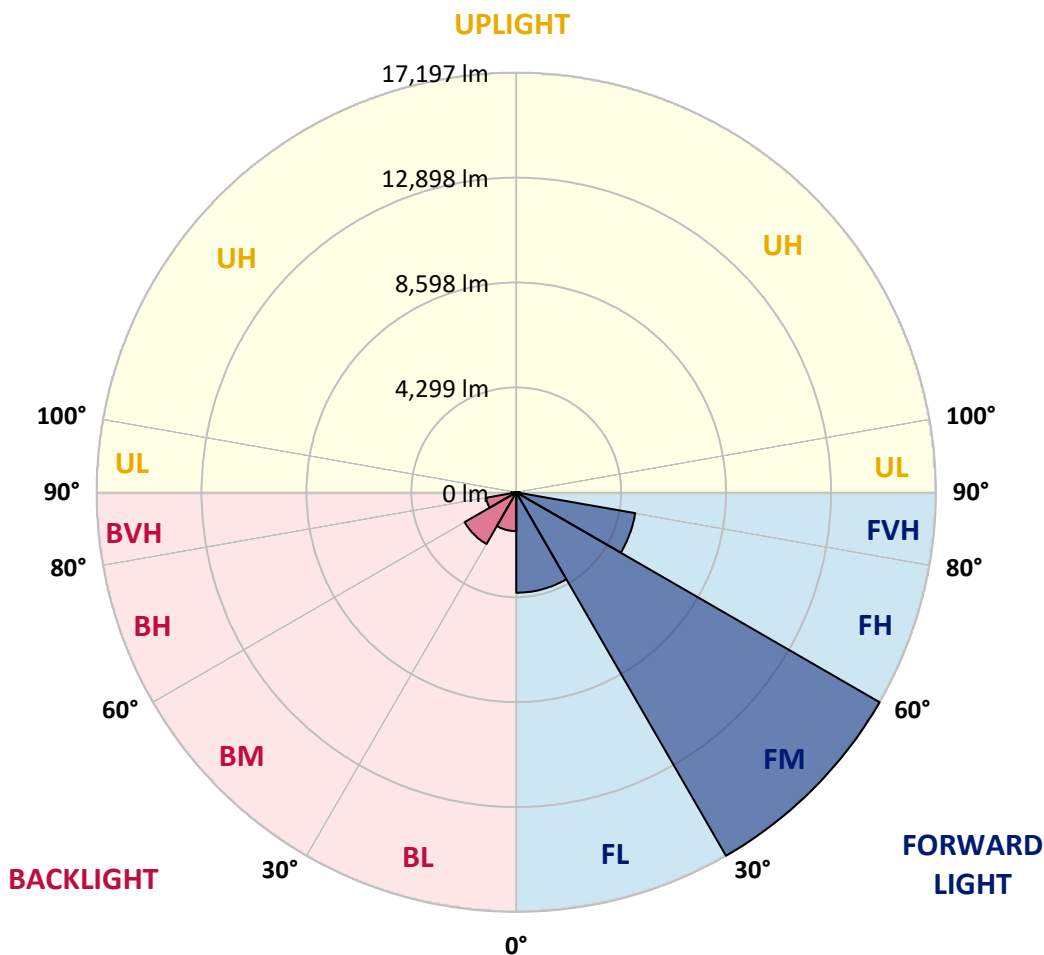


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4113.5	12.9			
FM (30°-60°)	17197.0	53.9			
FH (60°-80°)	4951.3	15.5			G2/5000
FVH (80°-90°)	166.7	0.5			G2/225
BL (0°-30°)	1591.7	5.0	B3/2500		
BM (30°-60°)	2443.3	7.7	B2/2500		
BH (60°-80°)	1257.7	3.9	B3/2500		G3/2500
BVH (80°-90°)	211.9	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°	56°	65°	75°	85°
0°	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8
2.5°	8133.0	8207.6	8174.7	8060.6	7972.8	7848.8	7710.5	7668.8	7522.8	7359.3	7162.9
5°	9420.3	9383.0	9329.2	9151.4	8963.8	8745.4	8398.6	8343.7	8018.9	7649.0	7258.4
7.5°	10153.4	10150.1	10118.2	10014.0	9842.8	9557.5	9139.3	9074.6	8584.0	7989.2	7383.5
10°	10046.9	10039.2	10091.9	10200.5	10252.1	10192.9	9840.6	9775.8	9173.4	8365.7	7528.3
12.5°	9442.2	9446.6	9531.1	9759.4	10070.0	10443.1	10386.0	10354.2	9784.6	8791.5	7703.9
15°	8971.4	8981.3	9048.3	9246.9	9613.4	10290.5	10717.4	10728.4	10376.1	9261.2	7909.1
17.5°	8765.1	8786.0	8816.7	8956.1	9291.9	9986.5	10796.4	10855.7	10894.1	9748.4	8106.7
20°	8831.0	8850.7	8859.5	8948.4	9223.8	9802.2	10741.6	10848.0	11291.4	10207.1	8304.2
22.5°	9126.2	9138.2	9143.7	9166.8	9380.8	9854.9	10705.4	10817.3	11578.9	10618.7	8453.4
25°	9615.6	9606.8	9571.7	9542.1	9685.9	10063.4	10788.8	10895.2	11812.7	10991.8	8551.1
27.5°	10201.6	10190.7	10122.6	10041.4	10123.7	10388.2	11029.1	11113.6	12022.3	11340.8	8600.5
30°	10905.1	10876.6	10748.2	10651.6	10683.4	10875.5	11425.3	11502.1	12346.0	11736.9	8648.8
32.5°	11718.3	11687.6	11502.1	11341.9	11341.9	11502.1	11833.5	11897.2	12620.4	12184.7	8726.7
35°	12736.7	12698.3	12456.8	12188.0	12112.3	12193.5	12389.9	12434.9	13114.2	12748.8	8868.3
37.5°	13937.3	13885.7	13572.9	13213.0	13047.3	13042.9	13184.4	13276.6	13903.3	13489.5	9108.6
40°	15141.1	15104.9	14831.7	14548.5	14223.7	14119.4	14337.8	14366.4	14934.8	14409.2	9415.9
42.5°	16071.8	16065.2	16014.7	16052.0	15719.5	15508.8	15680.0	15703.0	16194.7	15404.5	9742.9
45°	16563.4	16574.4	16819.1	17361.2	17484.1	17330.5	17415.0	17421.6	17634.5	16408.7	10042.5
47.5°	16169.4	16226.5	16845.4	18058.1	19064.4	19574.7	19434.3	19515.5	19030.4	17271.2	10277.4
50°	14634.1	14704.4	15757.9	17747.5	19801.9	21746.5	21673.0	21654.4	20156.4	17903.4	10404.7
52.5°	12732.3	12787.2	13656.3	16133.2	19260.9	22947.1	23622.0	23525.5	21157.2	18376.3	10428.8
55°	9836.2	9921.8	10754.7	12911.2	17072.6	22488.4	25055.3	24968.6	22069.2	18624.4	10400.3
57°	6992.8	7082.8	7910.2	9853.8	14362.0	20900.4	25197.9	25290.1	22561.9	18666.1	10432.1
57.5°	6239.9	6332.1	7151.9	9039.5	13517.0	20326.5	25075.0	25228.7	22650.8	18659.5	10449.7
60°	3141.9	3177.0	3699.4	5046.0	8544.5	16432.8	23471.7	23867.9	22730.9	18336.8	10525.4
62.5°	1953.4	1928.2	1911.7	2324.3	4157.0	10897.4	20163.0	20925.7	21197.8	17555.5	10342.1
65°	1717.5	1670.3	1489.2	1456.3	1836.0	5292.9	15183.9	16133.2	17922.0	16324.2	9905.3
67.5°	1613.2	1567.1	1363.0	1240.1	1241.2	2098.3	9426.9	10495.8	13961.4	14242.4	8874.9
70°	1505.7	1464.0	1273.0	1128.2	1056.8	1162.2	4337.0	5148.0	9100.9	11194.8	7417.5
72.5°	1367.4	1338.9	1157.8	1008.5	932.8	870.3	1660.4	1961.1	5268.7	7518.4	5151.3
75°	1222.5	1196.2	1041.5	898.8	806.6	684.8	935.0	1007.4	2676.6	3846.5	2536.1
77.5°	1063.4	1048.0	926.2	794.5	721.0	567.4	661.7	696.9	1147.9	1649.4	1271.9
80°	846.1	875.7	809.9	707.8	639.8	454.3	468.6	491.6	668.3	805.5	722.1
82.5°	550.9	602.5	634.3	575.0	526.8	357.8	336.9	346.8	435.7	491.6	313.9
85°	229.4	257.9	417.0	376.4	350.1	261.2	226.1	230.5	270.0	279.8	128.4
87.5°	102.1	108.6	183.3	172.3	148.2	90.0	96.6	105.4	143.8	136.1	49.4
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°	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8
2.5°	7089.4	6997.2	6839.1	6664.7	6522.0	6407.9	6292.6	6213.6	6121.4	6072.0	6046.8
5°	7094.8	6913.8	6581.2	6239.9	5934.9	5656.1	5390.5	5186.4	4995.5	4892.3	4863.8
7.5°	7117.9	6845.7	6308.0	5746.1	5204.0	4709.0	4327.1	4087.9	3915.6	3838.8	3816.8
10°	7136.5	6765.6	5970.0	5138.1	4400.7	3899.1	3602.8	3469.0	3409.7	3399.8	3389.9
12.5°	7180.4	6683.3	5614.4	4503.8	3776.2	3429.4	3326.3	3317.5	3334.0	3358.1	3358.1
15°	7249.6	6602.1	5208.4	3959.5	3379.0	3257.2	3278.0	3326.3	3371.3	3408.6	3414.1
17.5°	7300.1	6502.2	4771.6	3523.8	3167.2	3200.1	3274.7	3342.8	3388.8	3425.1	3428.3
20°	7336.3	6347.5	4305.2	3191.3	3045.3	3147.4	3240.7	3301.0	3332.9	3369.1	3374.6
22.5°	7317.6	6140.1	3891.5	2953.2	2946.6	3070.6	3159.5	3231.9	3207.8	3172.7	3195.7
25°	7227.6	5854.8	3465.7	2775.4	2842.3	2967.4	3077.2	3028.9	2947.7	2932.3	2941.1
27.5°	7067.4	5490.4	3071.7	2610.8	2721.6	2872.0	2865.4	2817.1	2788.6	2768.8	2780.9
30°	6895.1	5095.3	2727.1	2467.0	2587.7	2711.7	2686.5	2685.4	2656.9	2625.0	2640.4
32.5°	6725.0	4698.1	2453.8	2348.5	2486.8	2503.2	2558.1	2574.6	2518.6	2451.6	2447.3
35°	6576.9	4322.7	2246.4	2240.9	2364.9	2367.1	2447.3	2424.2	2284.8	2215.7	2215.7
37.5°	6466.0	3948.5	2088.4	2144.4	2204.7	2261.8	2302.4	2206.9	2183.9	2145.5	2144.4
40°	6417.7	3619.3	1989.6	2070.8	2091.7	2164.1	2059.9	2097.2	2108.1	2088.4	2088.4
42.5°	6367.2	3332.9	1904.0	2014.9	2011.6	2001.7	1949.0	1997.3	2041.2	2042.3	2039.0
45°	6316.8	3086.0	1828.3	1895.2	1941.3	1834.9	1844.8	1896.3	1957.8	1979.8	1979.8
47.5°	6260.8	2890.6	1759.2	1769.0	1840.4	1769.0	1761.4	1800.9	1873.3	1908.4	1916.1
50°	6137.9	2715.0	1680.2	1658.2	1678.0	1702.1	1708.7	1727.3	1807.5	1863.4	1876.6
52.5°	5967.8	2558.1	1579.2	1556.1	1556.1	1647.2	1678.0	1683.4	1751.5	1818.4	1831.6
55°	5826.2	2458.2	1474.9	1470.5	1466.2	1589.1	1641.7	1650.5	1697.7	1750.4	1757.0
57°	5836.1	2450.5	1394.8	1399.2	1398.1	1529.8	1607.7	1626.4	1650.5	1695.5	1703.2
57.5°	5841.6	2456.0	1377.3	1379.5	1378.4	1513.3	1597.8	1618.7	1637.4	1684.5	1692.2
60°	5923.9	2470.3	1305.9	1281.8	1287.3	1425.6	1541.9	1568.2	1580.3	1642.8	1652.7
62.5°	5802.1	2406.6	1248.9	1190.7	1190.7	1333.4	1464.0	1505.7	1524.3	1608.8	1625.3
65°	5448.7	2227.8	1181.9	1087.5	1098.5	1241.2	1370.7	1438.7	1467.3	1572.6	1590.2
67.5°	4903.3	2020.4	1110.6	995.4	1006.3	1144.6	1274.1	1347.6	1392.6	1533.1	1547.4
70°	4193.3	1766.9	1014.0	897.7	910.9	1039.3	1160.0	1243.4	1310.3	1495.8	1500.2
72.5°	3091.4	1448.6	879.0	790.1	804.4	916.3	1044.7	1141.3	1231.3	1402.5	1400.3
75°	1838.2	1132.5	729.8	681.5	691.4	795.6	940.5	1057.9	1192.9	1366.3	1387.1
77.5°	1115.0	852.7	594.8	570.7	582.7	689.2	865.9	991.0	1176.4	1288.4	1281.8
80°	673.8	609.1	475.2	459.8	471.9	589.3	801.1	940.5	1028.3	1100.7	1100.7
82.5°	352.3	372.0	349.0	336.9	353.4	478.5	728.7	820.9	908.7	780.3	728.7
85°	143.8	194.2	211.8	210.7	220.6	331.4	628.8	702.4	586.0	556.4	569.6
87.5°	48.3	82.3	103.2	88.9	93.3	208.5	435.7	339.1	402.8	280.9	266.7
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)