

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: P319994

Luminaire Tested: **GAN-SA0A-740-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0A-740-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43831 lumens  
Efficiency: N/A  
Efficacy: 135.7 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

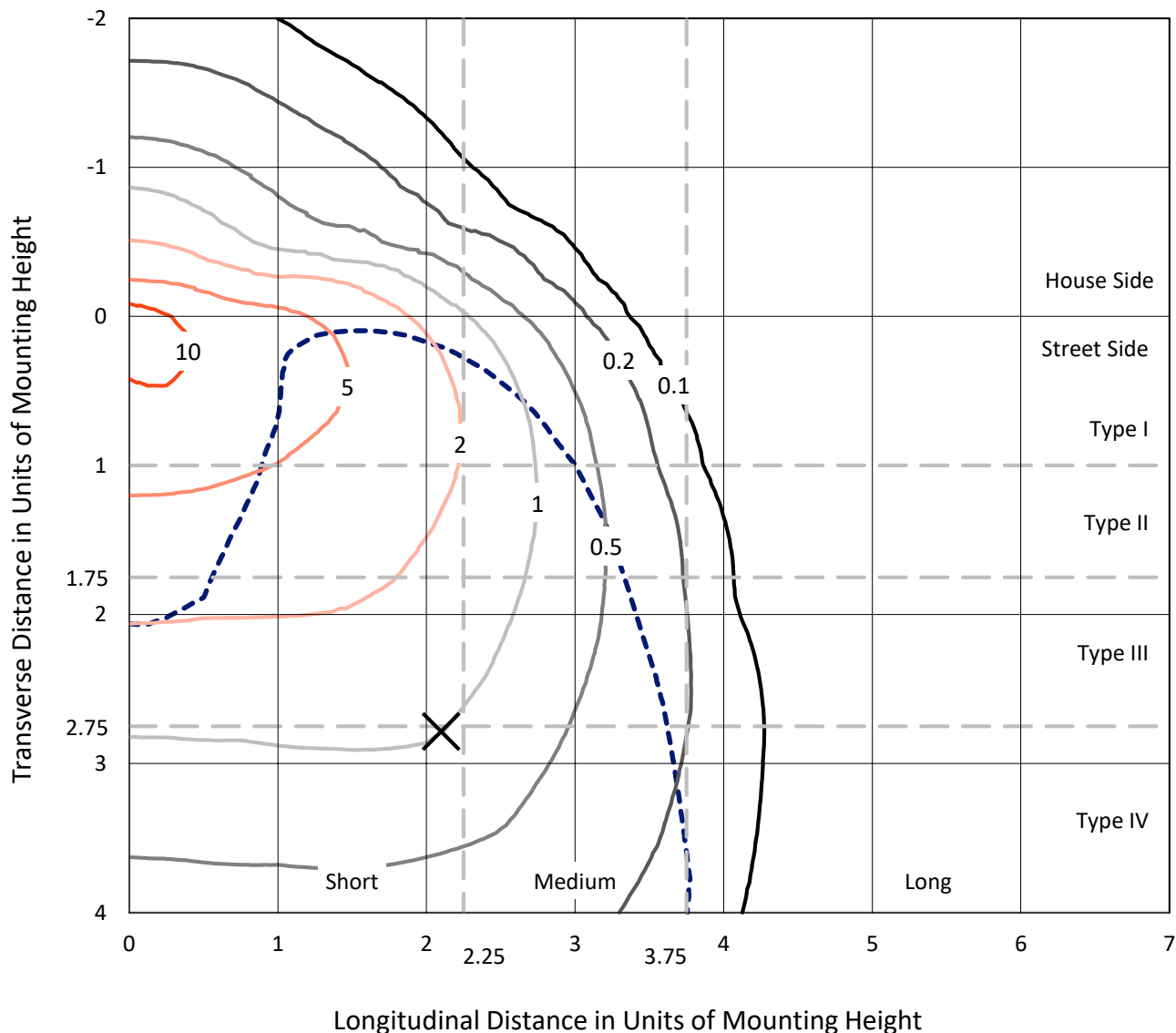
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

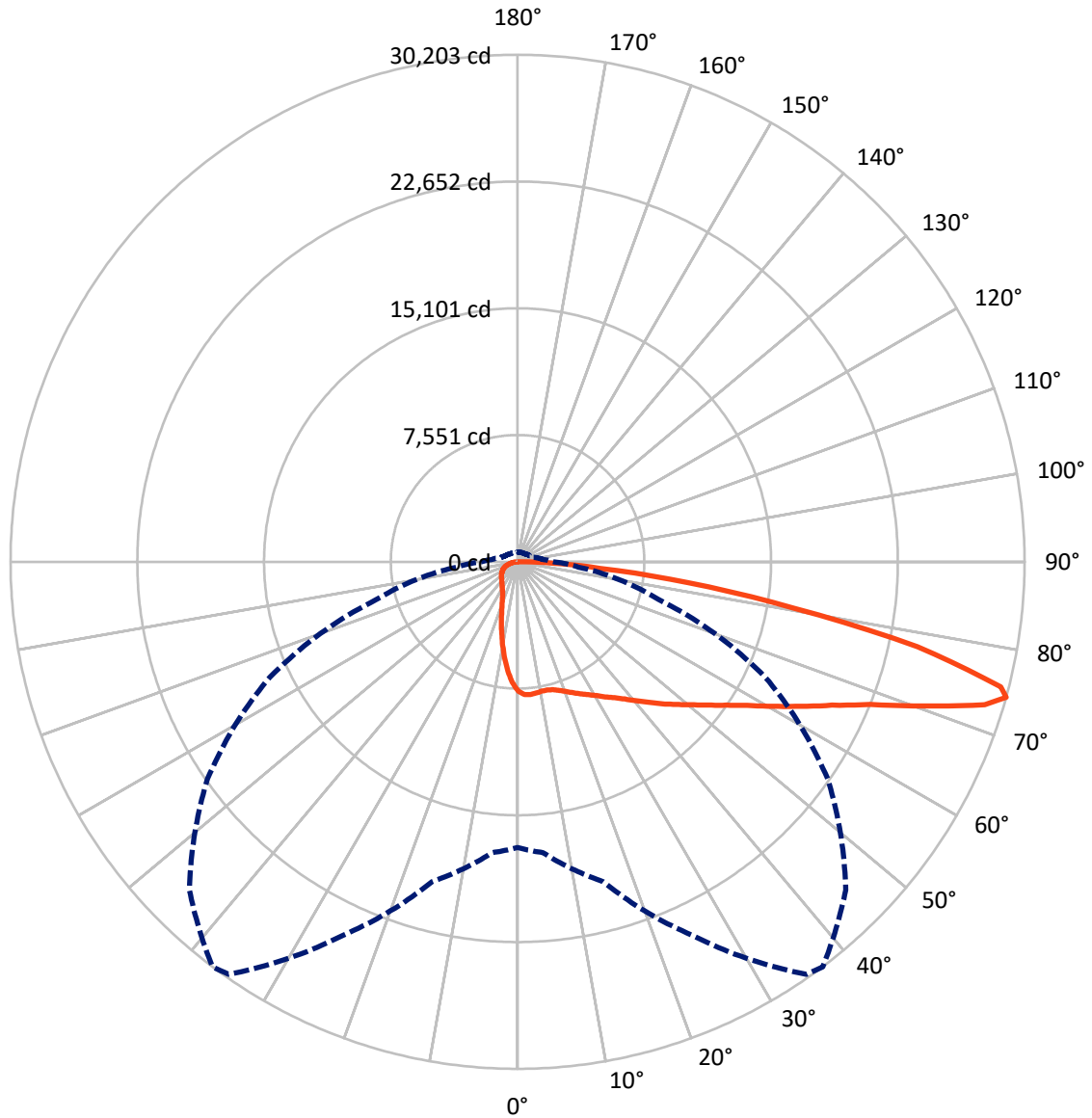
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6030.8	0.0	6030.8
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	37800.2	0.0	37800.2
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	43831.0	0.0	43831.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	680.1	1.6
10°-20°	1743.2	4.0
20°-30°	2686.0	6.1
30°-40°	3905.8	8.9
40°-50°	5748.7	13.1
50°-60°	8073.0	18.4
60°-70°	10217.9	23.3
70°-80°	8997.3	20.5
80°-90°	1779.0	4.1
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°	43831.0	100.0
0°-180°	43831.0	100.0

**Coefficient of Utilization**

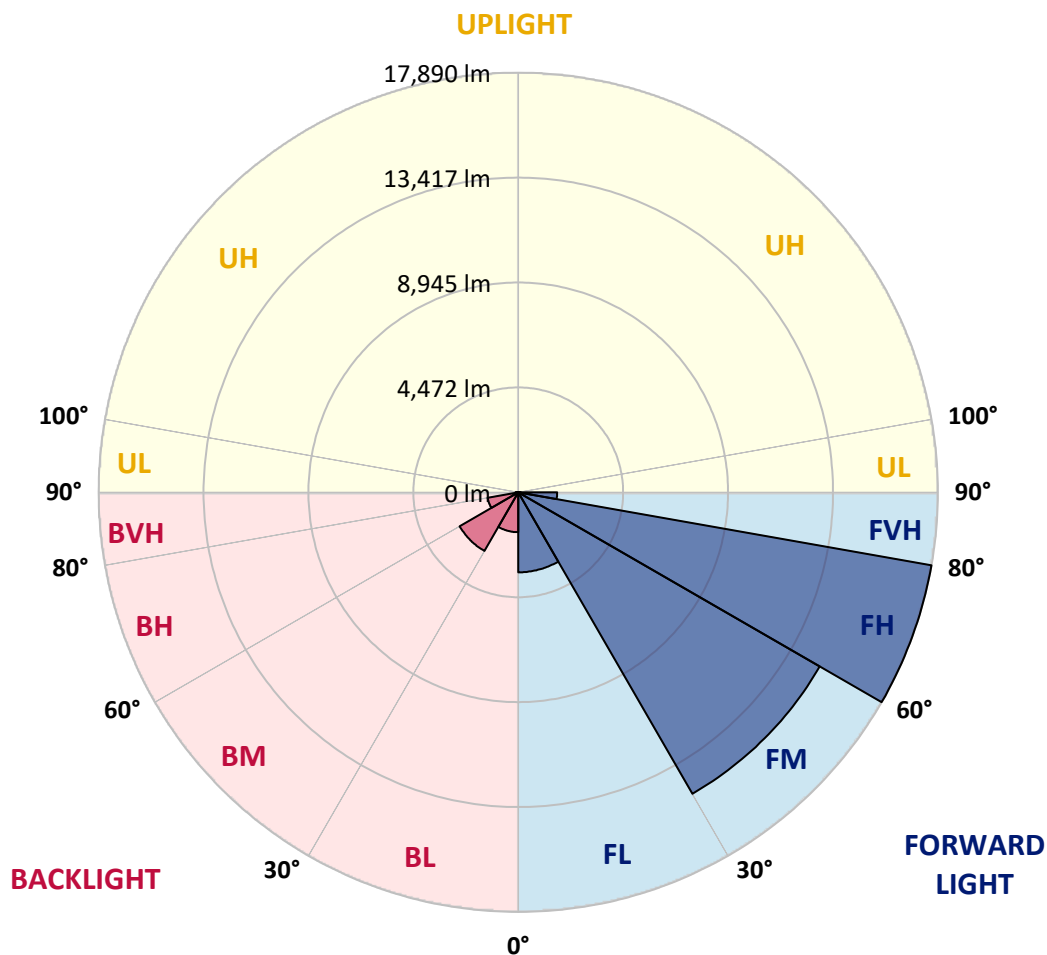


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3410.6	7.8			
FM (30°-60°)	14841.5	33.9			
FH (60°-80°)	17889.6	40.8			G5
FVH (80°-90°)	1658.5	3.8			G5
BL (0°-30°)	1698.7	3.9	B3/2500		
BM (30°-60°)	2886.0	6.6	B3/5000		
BH (60°-80°)	1325.6	3.0	B3/2500		G3/2500
BVH (80°-90°)	120.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9
2.5°	7986.9	7988.4	7986.9	7974.5	7945.2	7920.5	7900.4	7871.1	7806.2	7756.8	7682.7
5°	8062.5	8053.3	8047.1	8023.9	7977.6	7949.8	7911.2	7855.6	7749.1	7650.3	7529.9
7.5°	8027.0	8016.2	8002.3	7974.5	7922.0	7898.9	7844.8	7772.3	7644.1	7514.4	7341.5
10°	7917.4	7914.3	7908.1	7902.0	7857.2	7838.6	7789.2	7712.0	7585.4	7428.0	7225.7
12.5°	7795.4	7803.1	7827.8	7860.3	7840.2	7830.9	7800.0	7747.6	7617.9	7448.0	7204.1
15°	7718.2	7739.8	7806.2	7891.1	7908.1	7905.0	7897.3	7863.4	7725.9	7537.6	7253.5
17.5°	7692.0	7727.5	7854.1	7994.6	8044.0	8054.8	8057.9	7999.2	7846.4	7647.2	7304.4
20°	7739.8	7784.6	7969.9	8162.9	8241.6	8247.8	8233.9	8132.0	7960.6	7741.4	7332.2
22.5°	7885.0	7925.1	8156.7	8374.4	8463.9	8473.2	8431.5	8277.1	8081.0	7852.5	7370.8
25°	8164.4	8213.8	8445.4	8663.1	8709.4	8711.0	8650.8	8459.3	8238.5	8008.5	7454.2
27.5°	8528.8	8578.2	8786.6	8999.7	8975.0	8961.1	8879.3	8687.8	8443.9	8223.1	7602.4
30°	8934.9	8988.9	9186.5	9337.8	9279.2	9251.4	9185.0	8937.9	8729.5	8516.4	7829.4
32.5°	9354.8	9404.2	9577.1	9680.6	9606.5	9594.1	9493.8	9268.3	9101.6	8964.2	8196.8
35°	9785.6	9821.1	9990.9	10049.6	9950.8	9947.7	9919.9	9713.0	9608.0	9672.9	8731.1
37.5°	10225.6	10234.9	10380.0	10383.1	10353.7	10366.1	10395.4	10265.7	10295.1	10497.3	9425.8
40°	10617.8	10642.5	10747.5	10779.9	10830.8	10874.1	11020.7	10935.8	11162.8	11521.0	10290.4
42.5°	10908.0	10955.9	11124.2	11207.6	11372.8	11440.7	11647.6	11726.3	12183.3	12720.6	11318.7
45°	11153.5	11227.6	11497.8	11669.2	11948.7	12067.5	12364.0	12628.0	13336.7	14022.2	12401.0
47.5°	11419.1	11513.3	11851.4	12178.7	12558.5	12692.8	13231.7	13626.9	14567.2	15331.5	13421.6
50°	11809.7	11882.3	12212.7	12726.8	13200.8	13373.7	14119.4	14686.1	15817.8	16579.0	14306.3
52.5°	12354.7	12326.9	12606.4	13327.4	13963.5	14176.6	15067.4	15813.2	17085.4	17707.6	15053.5
55°	12902.8	12856.5	13052.6	13955.8	14852.8	15076.7	16111.1	16944.9	18291.2	18723.5	15626.3
57.5°	13512.7	13424.7	13589.9	14664.5	15865.7	16132.8	17279.9	18147.6	19477.0	19544.9	15990.7
60°	14141.1	14022.2	14207.5	15543.0	17151.8	17466.7	18647.9	19321.0	20594.8	20202.6	16108.1
62.5°	14690.7	14607.3	14893.0	16523.4	18601.5	18947.4	19991.1	20568.5	21697.2	20475.9	15685.0
65°	15170.9	15184.8	15678.8	17625.8	20218.1	20587.1	21532.0	22106.3	22564.9	20313.8	14695.3
67.5°	15743.7	15822.4	16665.4	19077.1	22253.0	22657.5	23773.8	23783.1	23049.7	19362.7	12746.9
70°	16579.0	16741.1	18022.6	21090.4	25146.4	25702.2	26563.7	24768.1	22368.8	16784.3	10029.5
72.5°	17320.1	17622.7	19466.2	23394.0	28672.7	29094.2	28195.7	24199.9	19523.3	12578.6	6248.4
74°	17019.0	17394.2	19728.6	24528.8	30000.5	30202.8	27644.5	22541.7	16277.9	8711.0	3631.4
75°	16370.5	16778.1	19345.7	24518.0	29832.3	29719.5	26313.6	20647.3	13406.1	5941.1	2416.3
77.5°	13211.6	13642.4	16301.1	21013.2	24460.8	24354.3	20213.4	13850.8	5871.7	1948.5	1227.4
80°	7681.2	8010.0	10119.1	13344.4	16494.0	16687.0	13293.4	6853.6	2309.8	1094.7	832.2
82.5°	3412.1	3639.1	4888.2	6811.9	9953.9	10202.4	6961.7	3591.2	1426.6	665.4	500.2
85°	2238.7	2407.0	2967.5	3243.8	4739.9	4909.8	3407.5	2796.1	941.8	365.9	367.5
87.5°	1610.3	1772.5	2204.8	1925.3	2175.4	2059.6	1854.3	2587.7	378.3	208.4	123.5
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°	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9	7722.9
2.5°	7650.3	7625.6	7570.0	7465.0	7406.3	7356.9	7275.1	7227.2	7205.6	7204.1	7213.3
5°	7460.4	7403.3	7259.7	7083.7	6943.2	6815.0	6656.0	6560.3	6492.3	6452.2	6463.0
7.5°	7239.6	7150.0	6924.6	6643.6	6418.2	6169.6	5924.1	5777.5	5663.2	5578.3	5593.7
10°	7088.3	6964.8	6635.9	6231.4	5856.2	5494.9	5156.8	4954.5	4794.0	4670.5	4679.7
12.5°	7037.3	6870.6	6415.1	5874.7	5348.3	4854.2	4412.6	4102.3	3937.1	3796.6	3807.4
15°	7045.1	6821.2	6229.8	5553.6	4891.2	4269.0	3733.3	3370.4	3146.6	3049.3	3050.9
17.5°	7051.2	6764.1	6035.3	5209.3	4438.9	3722.5	3140.4	2772.9	2561.4	2471.9	2473.4
20°	7031.2	6671.4	5794.5	4814.0	3966.4	3220.7	2657.1	2345.3	2184.7	2115.2	2115.2
22.5°	7004.9	6561.8	5522.7	4417.2	3500.1	2785.3	2311.3	2073.5	1980.9	1934.6	1933.0
25°	7017.3	6480.0	5244.8	4009.6	3070.9	2437.9	2081.2	1923.8	1862.0	1832.7	1831.1
27.5°	7083.7	6441.4	4988.5	3603.6	2695.7	2177.0	1926.9	1815.7	1775.5	1757.0	1757.0
30°	7204.1	6441.4	4721.4	3257.7	2383.9	1984.0	1808.0	1732.3	1704.5	1692.2	1692.2
32.5°	7414.1	6476.9	4463.6	2915.0	2135.3	1832.7	1709.2	1658.2	1636.6	1630.4	1630.4
35°	7775.3	6597.3	4211.9	2590.8	1934.6	1709.2	1615.0	1585.6	1570.2	1568.7	1573.3
37.5°	8283.3	6842.8	3975.7	2351.4	1792.5	1608.8	1536.2	1513.1	1503.8	1511.5	1517.7
40°	8922.5	7176.3	3761.1	2135.3	1684.5	1528.5	1463.7	1448.2	1443.6	1454.4	1463.7
42.5°	9694.5	7627.1	3585.1	1979.3	1601.1	1460.6	1401.9	1383.4	1378.7	1391.1	1403.5
45°	10529.8	8111.9	3461.5	1863.6	1536.2	1409.6	1347.9	1327.8	1318.5	1324.7	1338.6
47.5°	11289.4	8570.5	3412.1	1781.7	1474.5	1366.4	1300.0	1275.3	1259.9	1256.8	1267.6
50°	11930.1	8911.7	3435.3	1732.3	1425.1	1318.5	1253.7	1225.9	1202.7	1188.8	1196.6
52.5°	12396.4	9126.3	3456.9	1710.7	1386.5	1266.0	1202.7	1176.5	1145.6	1122.5	1122.5
55°	12734.5	9175.7	3409.0	1693.7	1357.1	1208.9	1145.6	1120.9	1090.0	1063.8	1060.7
57.5°	12867.3	9036.8	3231.5	1669.0	1337.1	1154.9	1085.4	1066.9	1040.6	1009.7	1008.2
60°	12688.2	8607.5	2888.7	1616.5	1310.8	1110.1	1025.2	1012.8	1000.5	971.1	969.6
62.5°	11968.7	7665.7	2445.6	1510.0	1258.3	1062.2	969.6	975.8	977.3	957.3	954.2
65°	10664.1	6371.9	2013.3	1371.0	1179.6	1005.1	912.5	941.8	958.8	955.7	951.1
67.5°	8768.1	4959.2	1706.1	1224.4	1076.1	926.4	850.7	884.7	898.6	909.4	906.3
70°	6507.8	3497.1	1411.2	1070.0	951.1	833.7	770.4	787.4	778.2	790.5	795.1
72.5°	3628.3	2098.2	1150.2	915.6	821.4	725.7	680.9	677.8	657.7	657.7	657.7
74°	2177.0	1539.3	1011.3	819.8	742.6	654.6	616.0	602.1	583.6	585.2	583.6
75°	1750.8	1323.2	927.9	756.5	687.1	612.9	574.4	555.8	541.9	541.9	540.4
77.5°	1105.5	1005.1	747.3	602.1	549.6	504.9	478.6	453.9	453.9	452.4	450.8
80°	835.3	799.8	582.1	455.5	421.5	387.5	370.5	359.7	359.7	364.4	362.8
82.5°	572.8	602.1	409.1	318.1	301.1	276.4	273.3	274.8	270.2	264.0	262.5
85°	418.4	452.4	276.4	200.7	183.7	168.3	180.6	186.8	179.1	165.2	159.0
87.5°	160.6	296.4	148.2	83.4	77.2	66.4	77.2	80.3	86.5	67.9	69.5
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)