

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: P317760

Luminaire Tested: **GAN-SA6B-740-U-T3R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-740-U-T3R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34946 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

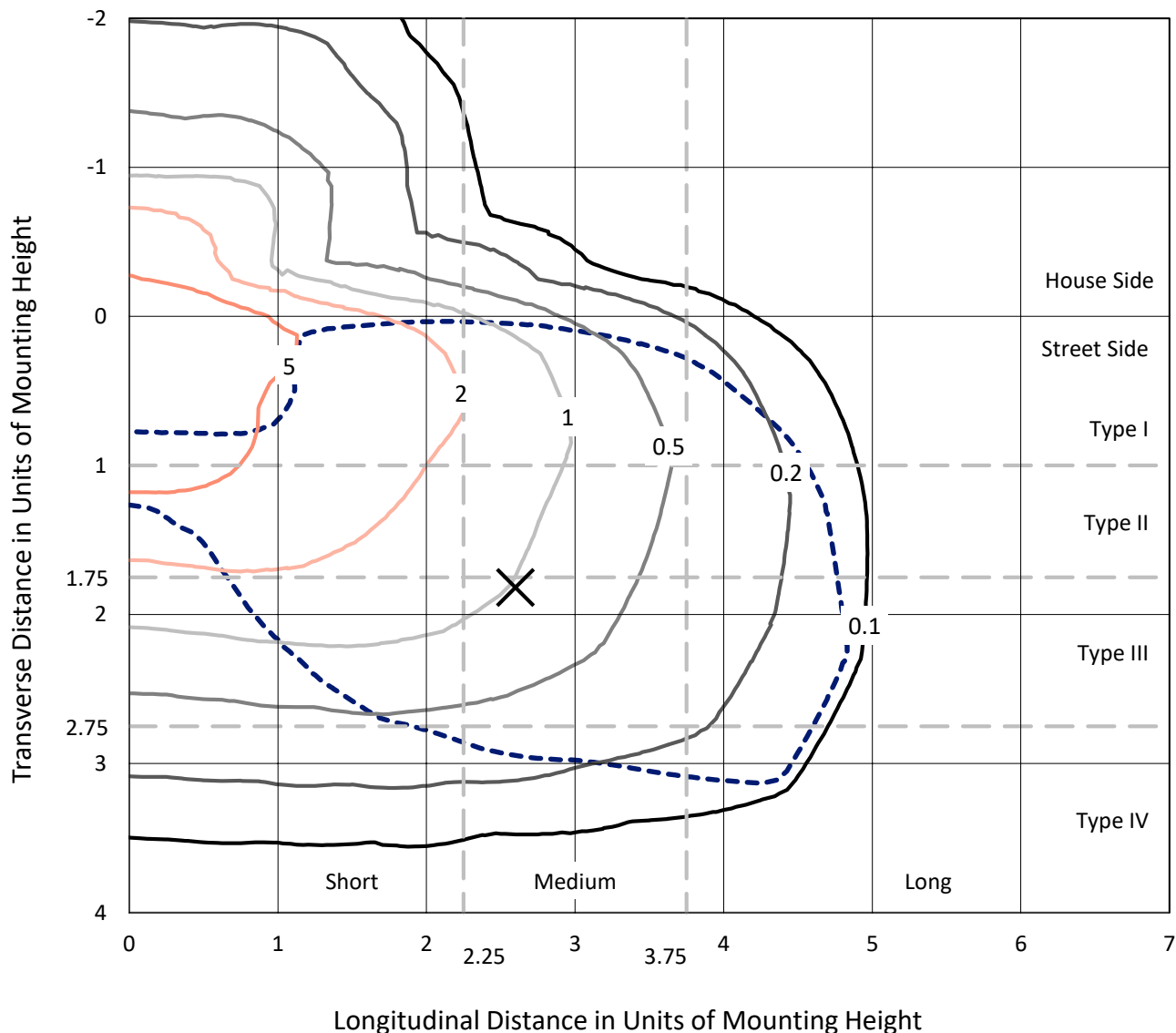
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

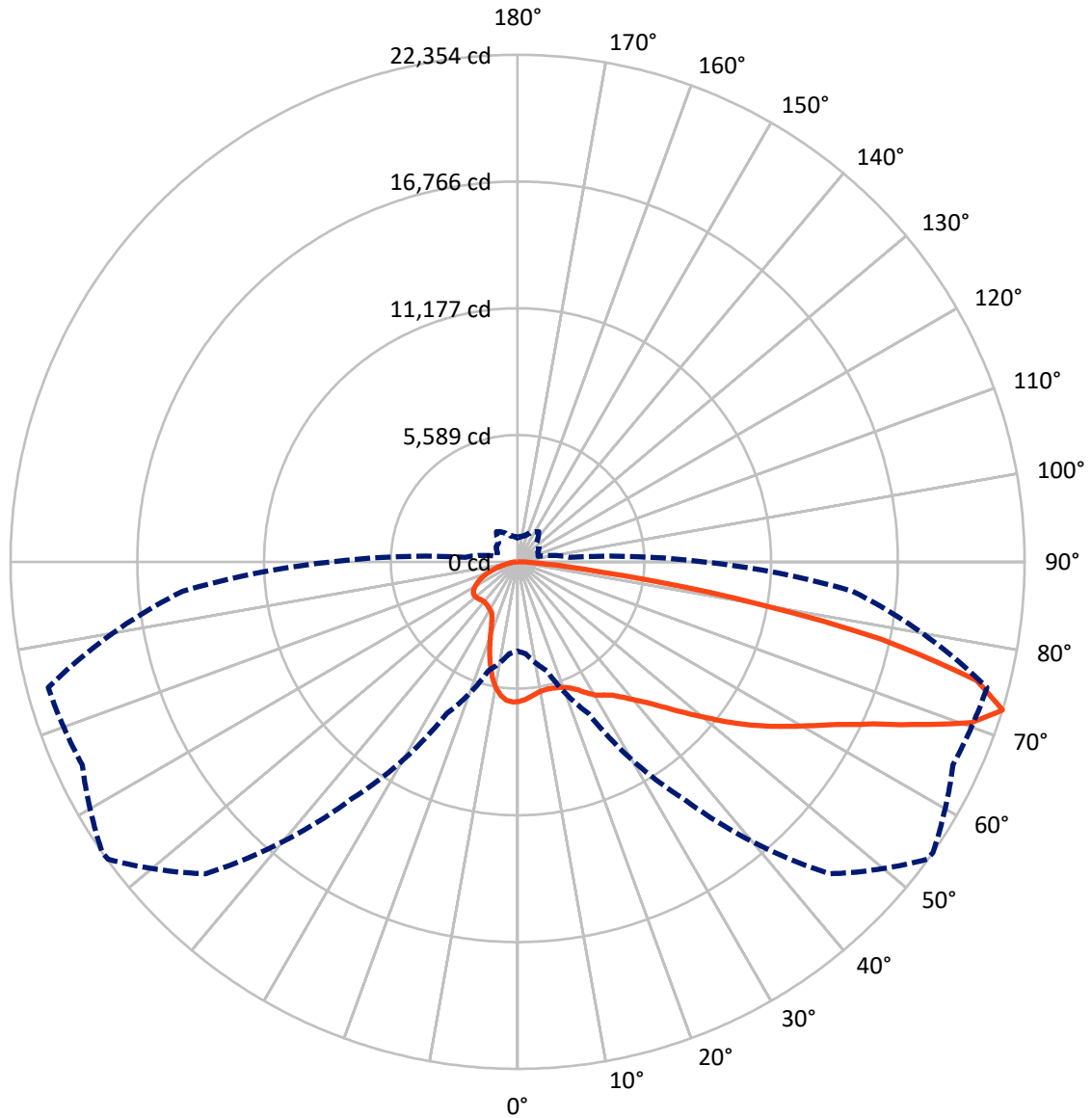
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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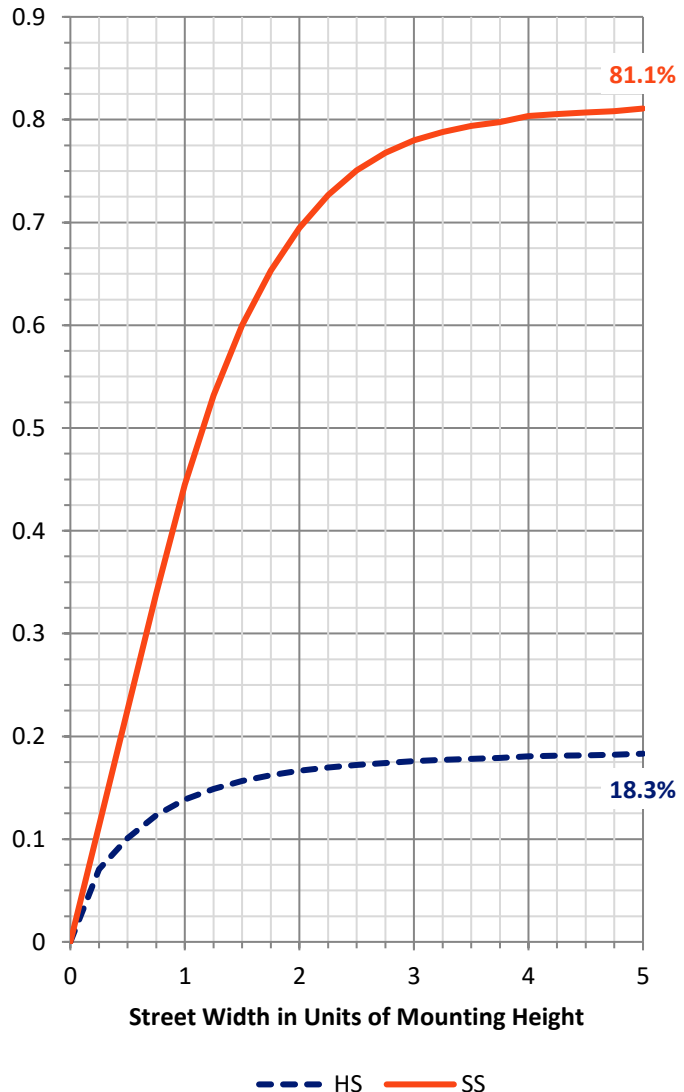
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6495.3	0.0	6495.3
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	28450.7	0.0	28450.7
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	34946.0	0.0	34946.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	557.7	1.6
10°-20°	1484.9	4.2
20°-30°	2448.3	7.0
30°-40°	3621.6	10.4
40°-50°	5055.0	14.5
50°-60°	6581.8	18.8
60°-70°	8088.8	23.1
70°-80°	6340.6	18.1
80°-90°	767.3	2.2
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°	34946.0	100.0
0°-180°	34946.0	100.0

**Coefficient of Utilization**

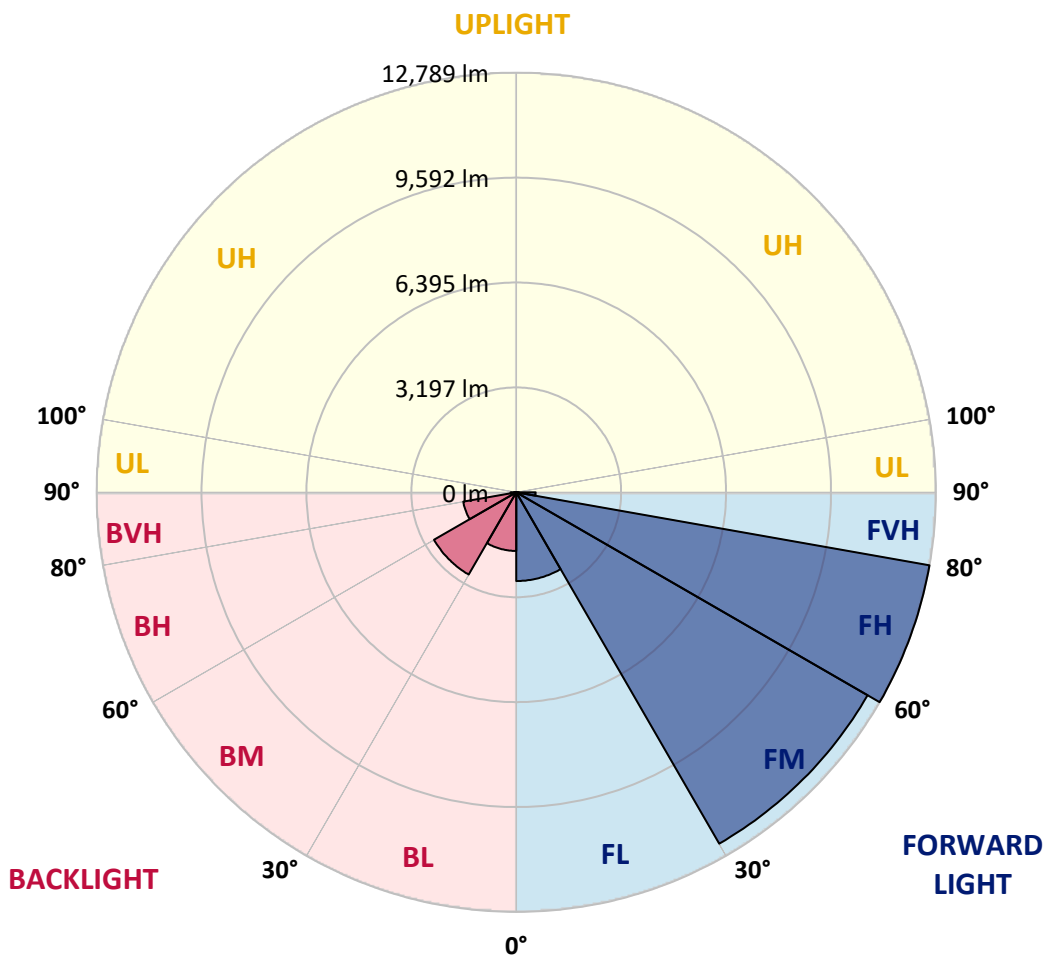


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2703.8	7.7			
FM (30°-60°)	12364.6	35.4			
FH (60°-80°)	12789.1	36.6			G5
FVH (80°-90°)	593.2	1.7			G4/750
BL (0°-30°)	1787.1	5.1	B3/2500		
BM (30°-60°)	2893.8	8.3	B3/5000		
BH (60°-80°)	1640.4	4.7	B3/2500		G3/2500
BVH (80°-90°)	174.1	0.5			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7
2.5°	5963.1	5948.9	5966.6	5991.4	6018.5	6055.1	6076.4	6085.8	6122.4	6136.6	6167.3
5°	5686.9	5679.8	5709.3	5751.8	5812.0	5897.0	5965.4	5978.4	6075.2	6143.7	6206.2
7.5°	5486.2	5486.2	5520.4	5571.2	5638.5	5753.0	5849.8	5867.5	6031.5	6179.1	6294.7
10°	5326.9	5332.8	5372.9	5433.1	5512.2	5633.8	5762.4	5782.5	6019.7	6261.7	6445.8
12.5°	5220.6	5234.8	5271.4	5325.7	5423.7	5571.2	5734.1	5761.2	6044.5	6379.7	6627.6
15°	5287.9	5311.5	5315.1	5337.5	5391.8	5552.3	5750.6	5778.9	6097.6	6500.1	6834.2
17.5°	5583.0	5591.3	5554.7	5507.5	5481.5	5584.2	5800.2	5829.7	6161.4	6619.3	7032.5
20°	6031.5	6026.8	5947.7	5820.2	5688.0	5704.6	5881.6	5912.3	6247.5	6724.4	7230.7
22.5°	6598.1	6581.6	6460.0	6225.1	5999.7	5905.2	6024.4	6050.4	6377.4	6874.3	7443.2
25°	7285.0	7248.5	7087.9	6772.8	6441.1	6198.0	6239.3	6264.1	6566.2	7041.9	7638.0
27.5°	8009.8	7973.2	7769.0	7387.7	6946.3	6567.4	6535.5	6556.8	6781.0	7165.8	7782.0
30°	8767.5	8728.6	8542.1	8114.8	7482.2	6949.8	6811.7	6820.0	6932.1	7233.1	7900.0
32.5°	9528.9	9492.3	9283.4	8787.6	8064.1	7360.6	7011.2	7000.6	7023.0	7302.7	8033.4
35°	10300.8	10315.0	10070.6	9521.8	8708.5	7817.4	7247.3	7224.8	7175.3	7445.6	8222.2
37.5°	11127.0	11117.6	10801.3	10227.6	9382.5	8313.1	7586.0	7582.5	7411.3	7715.9	8518.5
40°	11679.4	11685.3	11492.9	10950.0	10063.6	8862.0	8020.4	8012.1	7787.9	8120.7	8906.8
42.5°	11895.4	11934.4	11984.0	11639.3	10776.5	9498.2	8538.6	8526.8	8313.1	8701.4	9363.6
45°	11910.8	11988.7	12295.6	12251.9	11498.8	10226.4	9200.7	9167.7	9014.2	9473.4	9908.9
47.5°	11778.6	11858.9	12368.8	12616.6	12144.5	10994.8	9975.0	9949.1	9816.9	10438.9	10499.1
50°	11489.4	11566.1	12217.7	12794.9	12675.6	11733.7	10867.4	10798.9	10728.1	11554.3	11174.3
52.5°	10947.6	11095.2	12015.8	12837.4	12993.2	12390.0	11805.7	11760.9	11799.8	12731.1	11850.6
55°	9664.6	9829.9	11495.3	12801.9	13228.0	12941.2	12744.1	12741.7	12943.6	13965.8	12576.5
57.5°	8945.8	9062.6	10435.4	12741.7	13506.6	13488.9	13673.0	13695.5	14088.5	15310.2	13336.6
60°	8539.7	8662.5	9898.3	12518.7	13938.6	14197.1	14620.8	14665.7	15252.3	16798.6	14251.4
62.5°	8170.3	8304.9	9565.5	12064.2	14447.3	15209.8	15756.3	15796.5	16484.6	18328.3	15135.5
65°	7538.8	7691.1	9078.0	11765.6	14910.0	16530.6	17199.9	17227.0	17899.8	19931.2	15811.8
67.5°	6646.5	6785.8	8158.5	11105.8	15252.3	18134.7	19119.1	19134.5	19303.2	21063.1	16157.6
70°	5604.2	5657.4	6848.3	9743.7	14847.5	19634.9	21222.5	21226.0	20582.7	21787.9	16101.0
72.5°	3937.6	4062.7	4971.6	7375.9	12759.4	19452.0	22314.3	22354.4	21177.6	21421.9	14814.4
75°	2415.0	2547.2	3118.5	4469.9	8094.8	15298.4	20617.0	20895.5	20062.2	19100.2	12102.0
77.5°	1614.7	1664.3	2034.9	2606.2	3667.3	8801.8	15850.8	16374.8	16666.4	13929.2	7739.5
80°	900.6	995.0	1349.1	1619.4	1631.2	3497.3	9504.1	9626.8	9272.7	5546.4	2387.8
82.5°	476.9	528.8	900.6	951.4	890.0	1170.9	3542.2	3545.7	2962.6	1487.2	709.4
85°	369.4	413.1	617.3	580.7	454.4	519.3	1168.5	1232.3	1008.0	609.1	231.3
87.5°	184.1	229.0	419.0	368.3	178.2	148.7	417.8	446.2	397.8	238.4	83.8
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°	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7	6163.7
2.5°	6179.1	6189.7	6202.7	6188.5	6183.8	6164.9	6133.0	6126.0	6109.4	6110.6	6120.1
5°	6233.4	6251.1	6244.0	6189.7	6124.8	6033.9	5939.5	5859.2	5806.1	5802.5	5799.0
7.5°	6337.2	6349.0	6293.6	6138.9	5957.2	5747.1	5548.8	5375.3	5270.2	5244.2	5238.3
10°	6500.1	6497.8	6345.5	6033.9	5671.5	5296.2	4977.5	4736.7	4596.2	4554.9	4544.3
12.5°	6681.9	6654.7	6363.2	5842.7	5267.8	4747.3	4343.6	4075.7	3929.3	3882.1	3870.3
15°	6869.6	6802.3	6319.5	5557.0	4772.1	4156.0	3732.2	3484.4	3405.3	3379.3	3374.6
17.5°	7044.3	6914.4	6194.4	5169.9	4206.7	3567.0	3236.5	3137.3	3156.2	3190.5	3191.6
20°	7215.4	6990.0	5993.8	4681.2	3610.7	3081.9	2969.7	3042.9	3132.6	3202.3	3211.7
22.5°	7384.2	7043.1	5735.3	4117.0	3077.1	2809.2	2888.3	3021.7	3124.4	3199.9	3212.9
25°	7525.8	7056.1	5378.8	3515.0	2706.5	2706.5	2849.3	2975.6	3077.1	3151.5	3164.5
27.5°	7577.8	6968.7	4876.0	2957.9	2520.0	2659.3	2795.0	2900.1	2986.3	3065.3	3079.5
30°	7597.8	6807.0	4295.2	2510.6	2443.3	2608.5	2721.9	2811.6	2893.0	2967.4	2980.4
32.5°	7601.4	6612.3	3679.1	2256.8	2390.2	2555.4	2631.0	2710.1	2797.4	2826.9	2831.6
35°	7623.8	6382.1	3029.9	2127.0	2340.6	2505.9	2566.1	2622.7	2481.1	2491.7	2501.1
37.5°	7688.7	6154.3	2487.0	2053.8	2308.7	2479.9	2551.9	2346.5	2235.6	2209.6	2206.1
40°	7810.3	5911.1	2084.5	1994.8	2296.9	2492.9	2461.0	2190.7	1999.5	1856.7	1835.4
42.5°	7979.1	5649.1	1827.2	1955.8	2305.2	2555.4	2334.7	2040.8	1723.3	1631.2	1619.4
45°	8169.1	5374.1	1687.9	1928.7	2333.5	2603.8	2308.7	1841.3	1594.6	1525.0	1519.1
47.5°	8353.2	5037.7	1615.9	1916.9	2372.5	2564.9	2199.0	1779.9	1533.3	1496.7	1500.2
50°	8564.5	4734.3	1572.2	1903.9	2406.7	2540.1	2075.0	1748.1	1509.7	1554.5	1601.7
52.5°	8742.8	4420.4	1533.3	1877.9	2419.7	2496.4	2043.2	1754.0	1509.7	1595.8	1640.7
55°	8954.0	4183.1	1488.4	1823.6	2394.9	2372.5	2020.7	1789.4	1527.4	1473.1	1477.8
57.5°	9226.7	4105.2	1438.8	1738.6	2312.3	2191.9	2010.1	1823.6	1516.7	1482.5	1494.3
60°	9604.4	4187.8	1418.8	1627.7	2183.6	2050.2	2011.3	1805.9	1442.4	1383.4	1384.5
62.5°	9964.4	4279.9	1417.6	1558.0	2025.5	1924.0	1984.1	1748.1	1404.6	1370.4	1383.4
65°	10082.4	4186.7	1360.9	1480.1	1847.2	1772.9	1934.6	1686.7	1376.3	1324.3	1322.0
67.5°	9924.3	3897.5	1246.4	1353.8	1643.0	1597.0	1869.7	1613.5	1331.4	1288.9	1281.8
70°	9454.5	3251.8	1104.8	1187.4	1410.5	1398.7	1767.0	1528.5	1271.2	1234.6	1203.9
72.5°	8190.4	2317.0	931.3	987.9	1148.5	1186.2	1625.3	1417.6	1186.2	1107.2	1059.9
75°	6726.7	1715.0	764.9	776.7	872.3	975.0	1430.6	1287.7	1085.9	951.4	914.8
77.5°	4119.4	1049.3	609.1	613.8	625.6	777.8	1178.0	1142.6	958.4	793.2	767.2
80°	1333.8	572.5	440.3	462.7	427.3	570.1	911.2	972.6	822.7	663.3	635.0
82.5°	507.5	334.0	297.4	312.8	296.3	382.4	664.5	779.0	674.0	545.3	443.8
85°	245.5	188.9	175.9	197.1	183.0	195.9	424.9	573.6	511.1	355.3	330.5
87.5°	87.3	83.8	67.3	90.9	77.9	69.6	129.8	289.2	337.6	244.3	218.4
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)