

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: P319640

Luminaire Tested: **GAN-SA6B-730-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319640  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-730-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31130 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

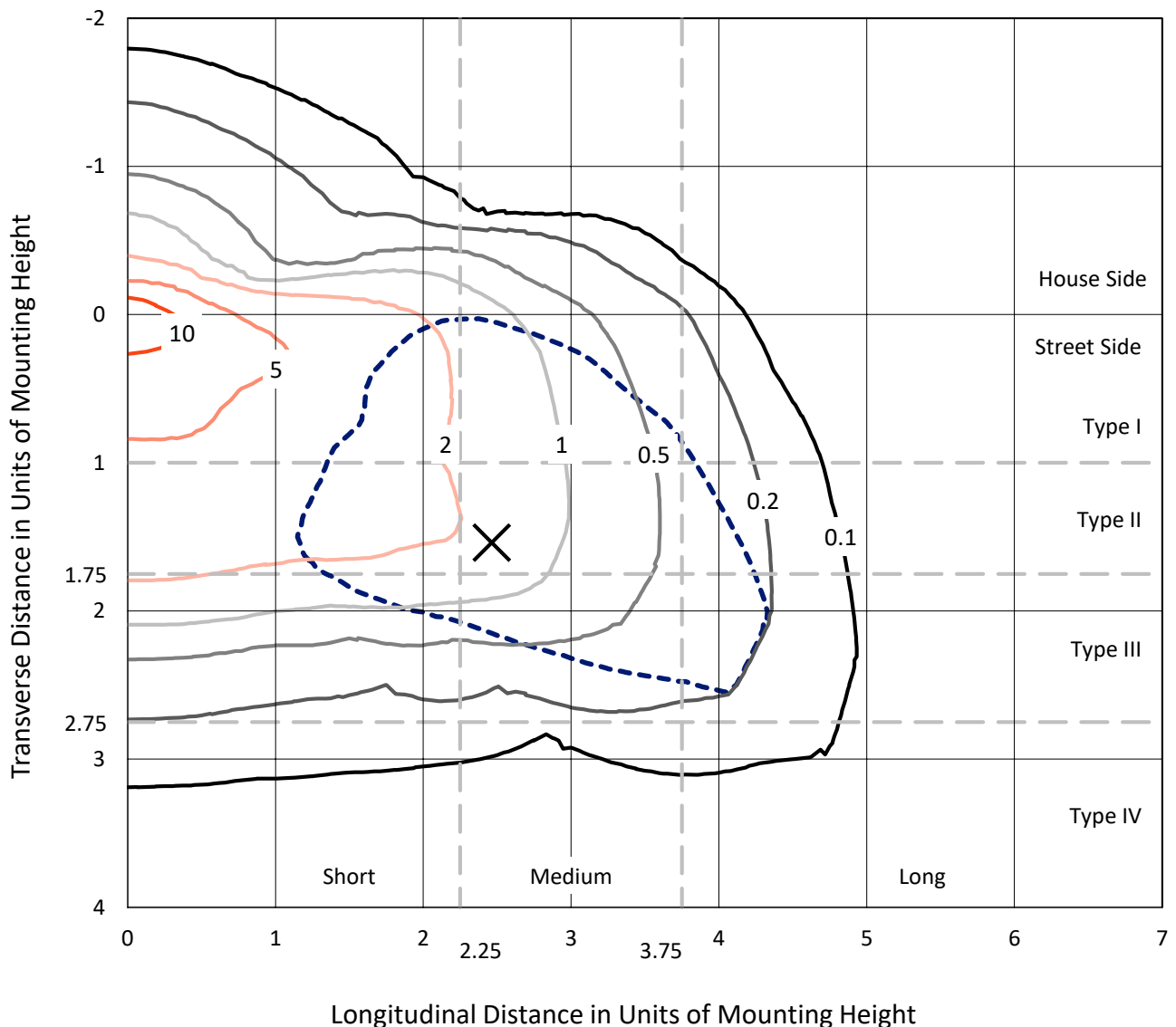
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

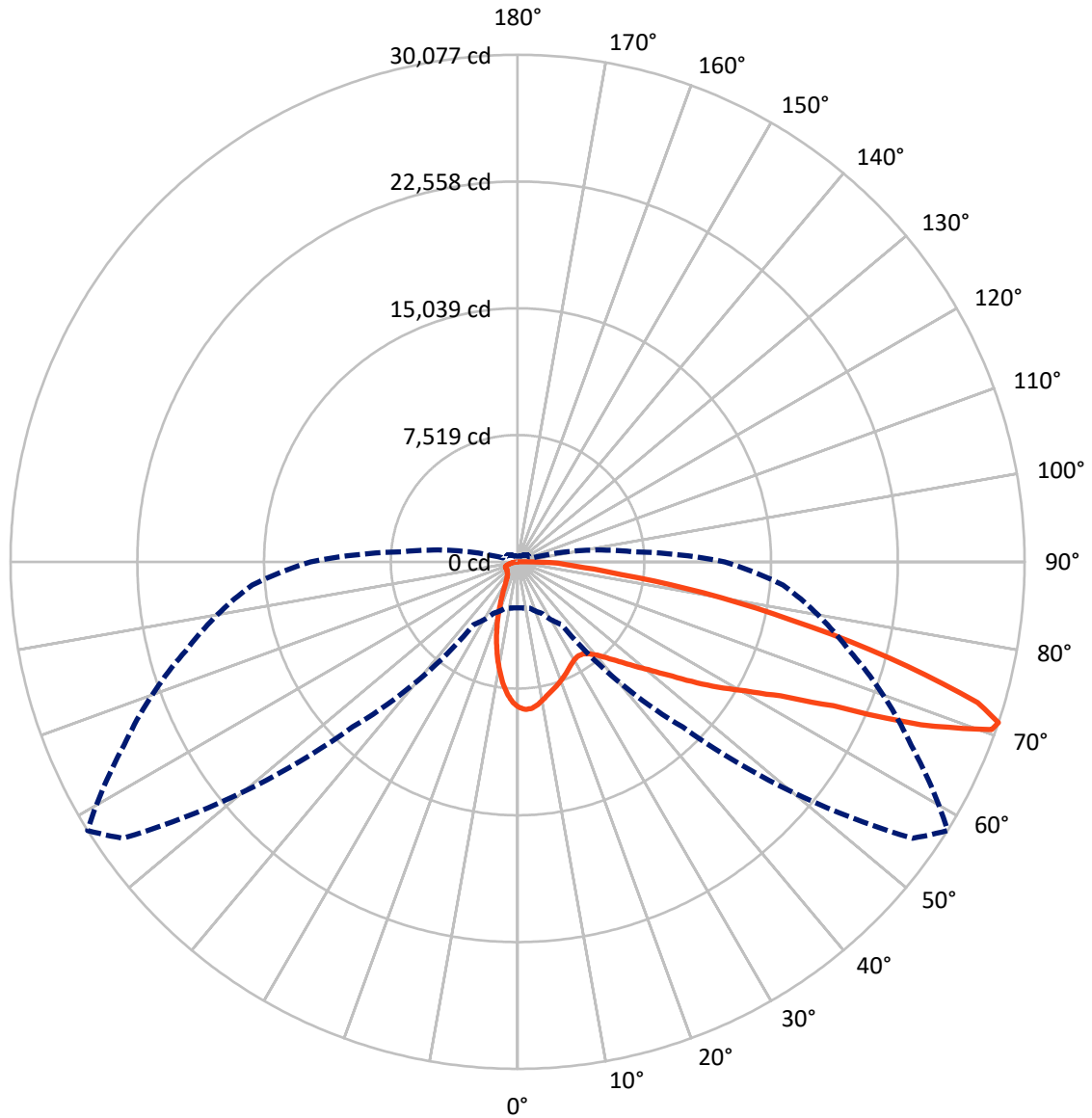
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4654.2	0.0	4654.2
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	26475.9	0.0	26475.9
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	31130.0	0.0	31130.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	744.1	2.4
10°-20°	1654.6	5.3
20°-30°	2102.8	6.8
30°-40°	2678.5	8.6
40°-50°	3798.3	12.2
50°-60°	5878.0	18.9
60°-70°	8002.1	25.7
70°-80°	5338.3	17.1
80°-90°	933.3	3.0
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°	31130.0	100.0
0°-180°	31130.0	100.0

**Coefficient of Utilization**

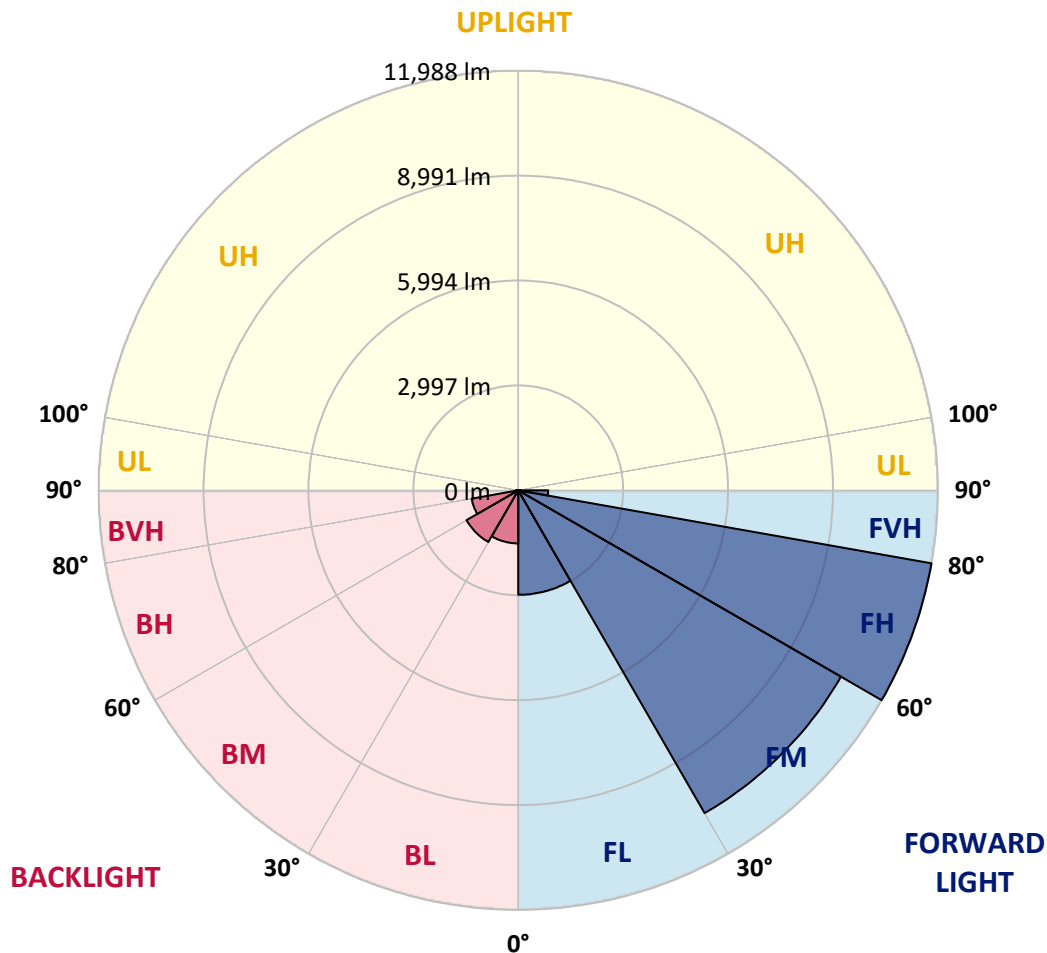


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2984.3	9.6			
FM (30°-60°)	10648.0	34.2			
FH (60°-80°)	11987.8	38.5			G4/12000
FVH (80°-90°)	855.8	2.7			G5
BL (0°-30°)	1517.1	4.9	B3/2500		
BM (30°-60°)	1706.8	5.5	B2/2500		
BH (60°-80°)	1352.7	4.3	B3/2500		G3/2500
BVH (80°-90°)	77.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1
2.5°	8853.9	8842.0	8846.3	8837.6	8817.0	8796.4	8766.1	8771.5	8729.2	8666.3	8588.2
5°	8686.9	8682.6	8715.1	8733.5	8748.7	8736.8	8728.1	8739.0	8677.1	8590.4	8454.8
7.5°	8336.6	8288.9	8330.1	8392.0	8450.5	8495.0	8553.5	8561.1	8522.1	8431.0	8253.2
10°	7838.9	7793.4	7854.1	7950.6	8067.7	8174.0	8292.2	8313.9	8321.5	8239.1	8023.3
12.5°	7322.8	7288.1	7348.8	7484.3	7678.4	7842.2	8030.9	8063.4	8130.6	8075.3	7810.7
15°	6860.8	6847.8	6921.5	7054.9	7278.3	7528.8	7801.0	7860.6	7974.5	7956.0	7644.8
17.5°	6461.8	6458.5	6514.9	6654.8	6902.0	7218.7	7572.2	7673.0	7842.2	7863.9	7508.2
20°	6164.7	6158.1	6197.2	6300.2	6555.0	6914.0	7324.9	7463.7	7707.7	7783.6	7367.2
22.5°	6005.2	6004.2	6005.2	6054.0	6262.2	6596.2	7084.2	7253.4	7576.5	7719.6	7211.1
25°	5978.1	5974.9	5951.0	5945.6	6063.8	6330.6	6845.6	7032.1	7451.8	7675.2	7062.5
27.5°	6048.6	6053.0	6021.5	5970.5	5994.4	6156.0	6638.5	6838.0	7352.0	7666.5	6959.5
30°	6195.0	6192.8	6165.7	6112.6	6066.0	6090.9	6491.0	6690.6	7284.8	7704.5	6889.0
32.5°	6356.6	6368.5	6363.1	6333.8	6264.4	6164.7	6446.6	6641.8	7265.3	7795.5	6858.6
35°	6550.7	6563.7	6602.7	6625.5	6544.2	6383.7	6542.0	6711.2	7321.7	7966.9	6907.4
37.5°	6735.0	6768.6	6878.2	6974.7	6905.3	6726.4	6795.8	6916.1	7496.3	8236.9	7038.7
40°	6947.6	6976.8	7155.8	7360.7	7349.9	7164.4	7204.6	7284.8	7804.2	8624.0	7276.1
42.5°	7156.9	7215.4	7474.6	7765.2	7848.7	7684.9	7748.9	7791.2	8238.0	9136.9	7690.4
45°	7435.5	7498.4	7858.4	8208.7	8403.9	8311.7	8413.6	8429.9	8783.4	9835.2	8292.2
47.5°	7857.4	7928.9	8348.6	8716.2	9014.4	9024.1	9192.2	9185.7	9464.4	10634.4	9050.2
50°	8514.5	8617.5	8961.2	9305.0	9667.2	9868.9	10093.3	10061.9	10280.9	11485.7	9923.1
52.5°	9375.5	9423.2	9678.0	9931.8	10381.8	10834.0	11156.0	11127.8	11207.0	12360.8	10914.2
55°	10267.9	10303.7	10408.9	10547.7	11152.8	11890.1	12571.1	12526.7	12326.1	13269.5	11893.4
57.5°	11070.3	11143.0	11215.7	11273.1	11929.2	12994.0	14018.8	14022.0	13540.5	14249.7	12905.1
60°	11195.1	11259.0	11739.4	12192.7	13257.5	14466.6	15568.3	15535.8	14797.3	15313.5	14032.9
62.5°	9896.0	10040.2	10842.6	12048.5	14537.1	17160.2	17545.1	17505.0	16300.3	16624.5	15346.0
65°	7091.8	7255.5	8223.9	10035.9	13916.8	20128.1	21112.7	20572.7	18349.7	18237.0	16883.7
67.5°	4091.3	4130.4	4550.0	6005.2	10596.5	20283.2	26555.2	25799.4	21532.4	20066.3	17636.2
70°	3025.4	3024.3	3124.1	3695.5	5734.2	16554.0	29143.6	29821.3	24883.1	20668.1	16572.4
71°	2735.9	2739.1	2850.8	3363.7	4541.3	13856.1	28593.8	30077.2	25765.8	20371.0	15802.5
72.5°	2340.1	2350.9	2506.0	3016.7	3820.2	9555.5	26225.5	28541.7	26184.3	19638.0	14597.8
75°	1775.1	1800.1	2014.8	2542.9	3491.7	4846.1	19247.6	22791.3	23260.9	17328.3	10847.0
77.5°	1266.5	1294.7	1537.6	2138.4	3319.3	3652.2	12889.9	16624.5	17117.9	11105.0	4892.7
80°	800.3	833.9	1017.1	1701.4	3118.7	3467.8	8100.3	11174.4	9334.3	3553.5	1244.9
82.5°	469.5	495.6	631.1	1111.5	2547.2	3339.9	4765.8	6193.9	3632.6	1073.5	566.0
85°	272.2	284.1	393.6	708.1	1849.9	3152.3	3501.4	3462.4	1576.7	524.8	267.8
87.5°	126.9	141.0	233.1	369.8	1026.9	2284.8	2767.3	2391.0	980.3	246.2	125.8
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°	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1	8625.1
2.5°	8550.3	8531.8	8454.8	8386.5	8315.0	8221.7	8118.7	8105.7	8042.8	8054.7	8033.0
5°	8381.1	8334.5	8149.1	7981.0	7782.5	7604.7	7411.7	7322.8	7194.8	7186.1	7153.6
7.5°	8139.3	8052.5	7765.2	7446.4	7127.6	6823.9	6523.6	6326.2	6124.5	6038.9	6031.3
10°	7867.1	7719.6	7296.7	6825.0	6365.3	5921.8	5492.3	5174.6	4888.3	4752.8	4747.4
12.5°	7609.0	7391.1	6810.9	6169.0	5540.1	4965.3	4376.5	3959.0	3600.1	3479.7	3428.8
15°	7390.0	7083.1	6338.2	5517.3	4753.9	3955.8	3285.6	2846.5	2514.7	2399.7	2378.0
17.5°	7177.5	6782.7	5853.4	4859.1	3936.3	3059.0	2387.8	2061.4	1884.6	1838.0	1836.9
20°	6966.0	6473.7	5347.0	4185.7	3145.8	2288.0	1835.8	1689.5	1629.8	1624.4	1615.7
22.5°	6726.4	6146.2	4814.6	3510.1	2455.0	1799.0	1560.4	1501.9	1494.3	1513.8	1513.8
25°	6501.9	5820.9	4274.6	2848.6	1909.6	1500.8	1393.4	1381.5	1402.1	1436.8	1440.0
27.5°	6292.6	5507.5	3747.6	2260.9	1530.0	1321.8	1277.4	1291.5	1328.4	1368.5	1369.6
30°	6120.2	5211.5	3235.8	1781.6	1292.6	1188.5	1180.9	1209.1	1249.2	1280.6	1288.2
32.5°	5986.8	4958.8	2741.3	1432.5	1137.5	1088.7	1095.2	1119.1	1144.0	1161.4	1173.3
35°	5925.0	4742.0	2284.8	1208.0	1038.8	1011.7	1020.4	1033.4	1044.2	1057.3	1067.0
37.5°	5935.8	4573.9	1877.0	1068.1	972.7	958.6	958.6	958.6	958.6	965.1	966.2
40°	6036.7	4477.4	1545.2	979.2	928.2	913.0	901.1	890.3	881.6	885.9	883.8
42.5°	6294.8	4468.7	1302.3	922.8	892.4	867.5	843.6	828.5	817.6	822.0	824.1
45°	6732.9	4577.1	1138.6	882.7	858.8	820.9	790.5	774.2	766.7	780.7	782.9
47.5°	7300.0	4813.5	1038.8	853.4	827.4	777.5	745.0	729.8	732.0	752.6	758.0
50°	8030.9	5197.4	991.1	835.0	805.7	740.6	707.0	694.0	700.5	729.8	736.3
52.5°	8833.3	5750.4	996.5	829.5	791.6	713.5	677.7	662.6	673.4	700.5	705.9
55°	9759.3	6415.1	1086.5	837.1	771.0	696.2	653.9	627.9	636.5	661.5	665.8
57.5°	10788.4	7176.4	1267.6	835.0	745.0	679.9	628.9	589.9	596.4	611.6	615.9
60°	11859.8	8095.9	1548.5	841.5	733.0	660.4	595.3	546.5	544.4	557.4	559.5
62.5°	13145.8	9159.7	1869.5	845.8	740.6	635.4	550.9	503.1	496.6	499.9	502.1
65°	14470.9	9929.6	1749.1	828.5	764.5	614.8	511.8	460.9	448.9	446.8	447.8
67.5°	14512.1	9104.4	1226.4	793.8	774.2	604.0	482.5	425.1	405.6	398.0	396.9
70°	13014.6	7396.5	955.3	756.9	735.2	586.6	455.4	395.8	366.5	354.6	353.5
71°	12283.8	6808.8	905.5	738.5	705.9	569.3	443.5	382.8	352.4	339.4	337.2
72.5°	11137.6	6103.9	844.7	709.2	649.5	524.8	420.7	364.3	332.9	317.7	314.5
75°	7992.9	3991.6	725.4	632.2	537.8	418.6	368.7	327.5	300.4	281.9	279.8
77.5°	3079.6	1588.6	548.7	525.9	412.1	327.5	303.6	283.0	263.5	245.1	244.0
80°	952.1	710.3	400.1	395.8	298.2	244.0	236.4	231.0	223.4	203.9	199.5
82.5°	508.6	407.7	275.4	255.9	195.2	162.7	171.3	173.5	174.6	154.0	151.8
85°	242.9	215.8	155.1	145.3	113.9	91.1	105.2	113.9	114.9	94.3	87.8
87.5°	116.0	112.8	72.7	55.3	42.3	30.4	36.9	45.5	49.9	35.8	31.4
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)