

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: P319684

Luminaire Tested: **GAN-SA0B-740-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319684  
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-SA0B-740-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 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: 56568 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

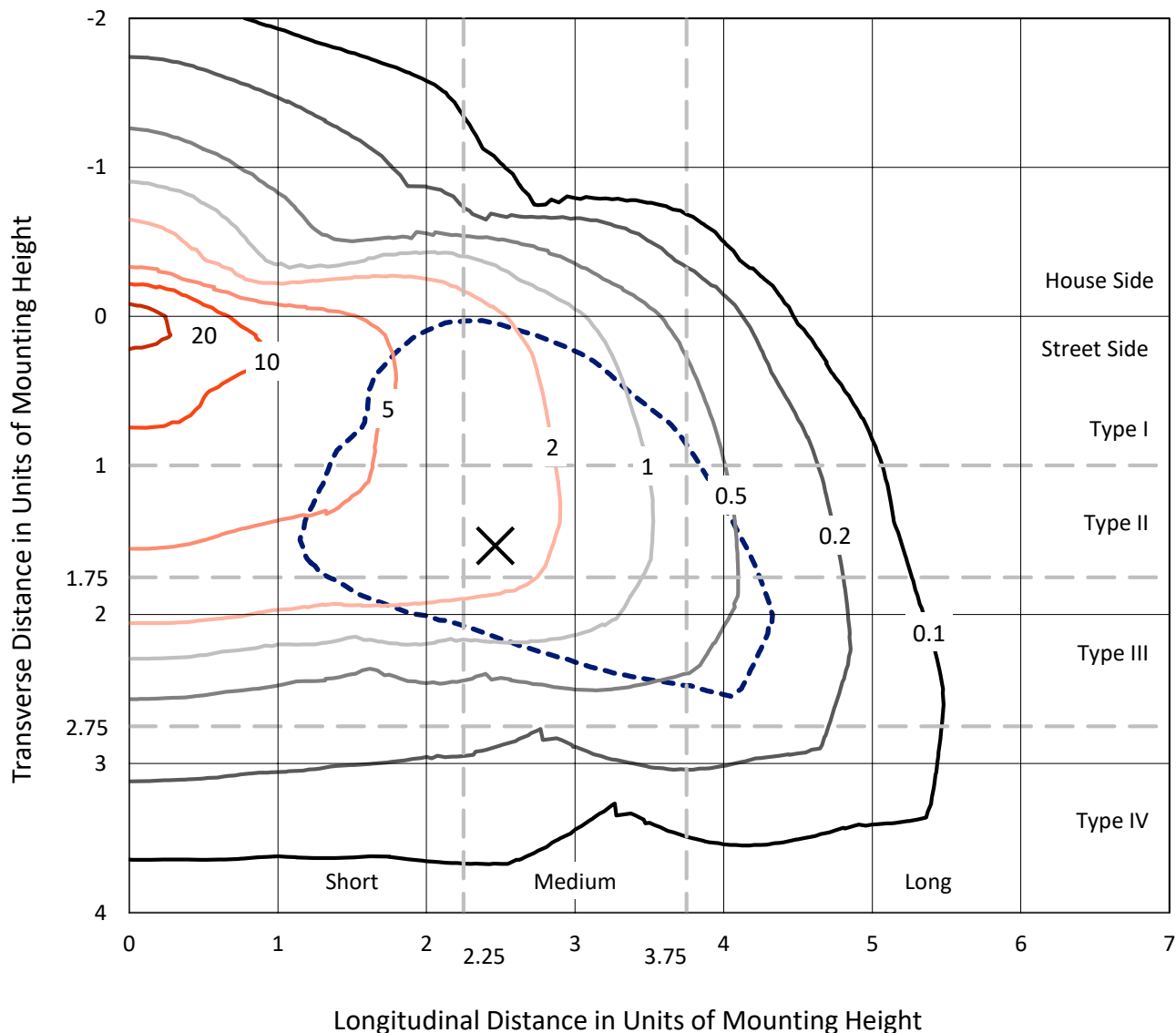
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P319684  
 CATALOG NUMBER: GAN-SA0B-740-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

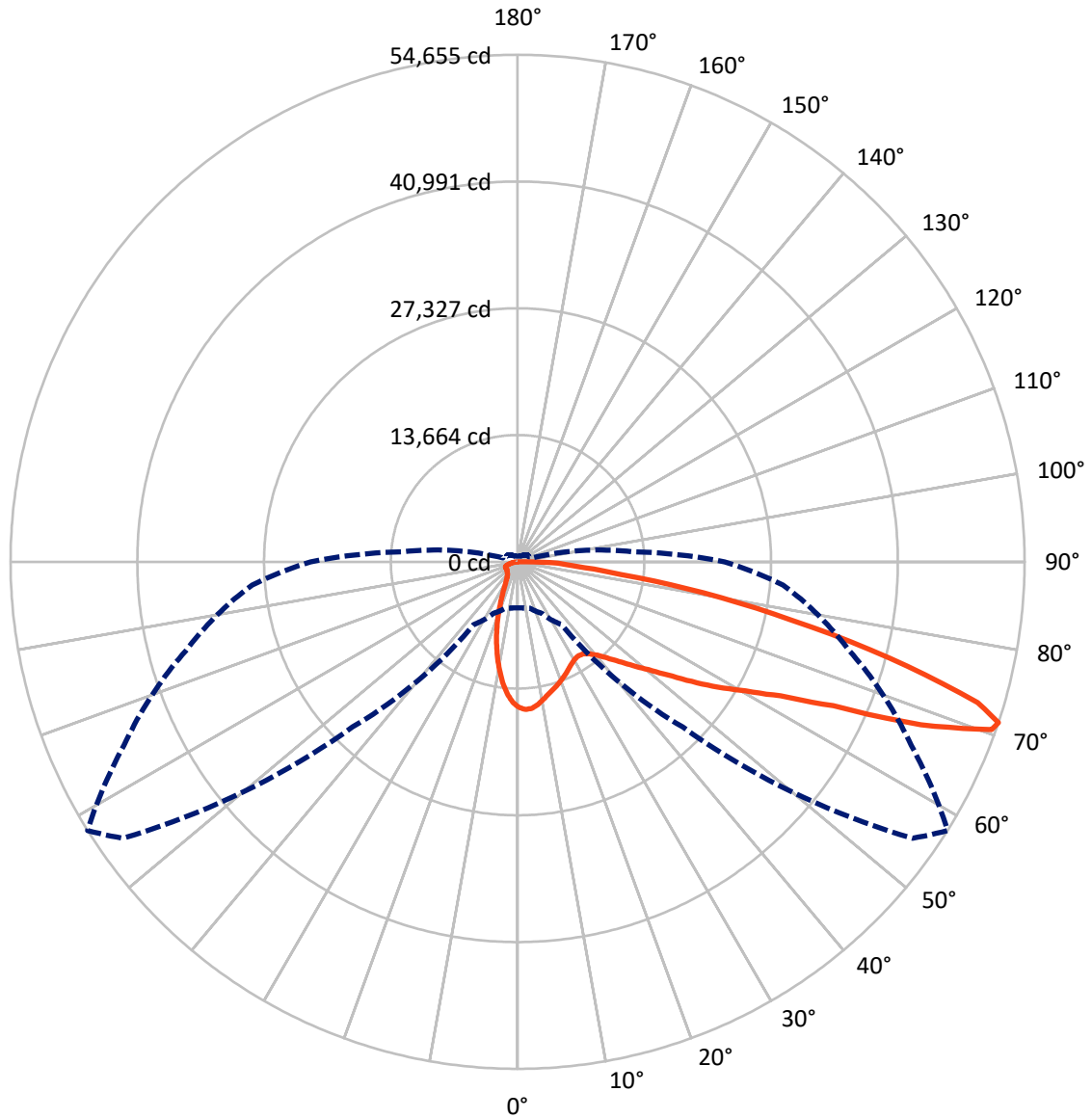
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P319684  
CATALOG NUMBER: GAN-SA0B-740-U-SL3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P319684  
 CATALOG NUMBER: GAN-SA0B-740-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8457.3	0.0	8457.3
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	48110.7	0.0	48110.7
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	56568.0	0.0	56568.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1352.1	2.4
10°-20°	3006.6	5.3
20°-30°	3821.1	6.8
30°-40°	4867.3	8.6
40°-50°	6902.1	12.2
50°-60°	10681.2	18.9
60°-70°	14541.1	25.7
70°-80°	9700.6	17.1
80°-90°	1696.0	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°	56568.0	100.0
0°-180°	56568.0	100.0

**Coefficient of Utilization**

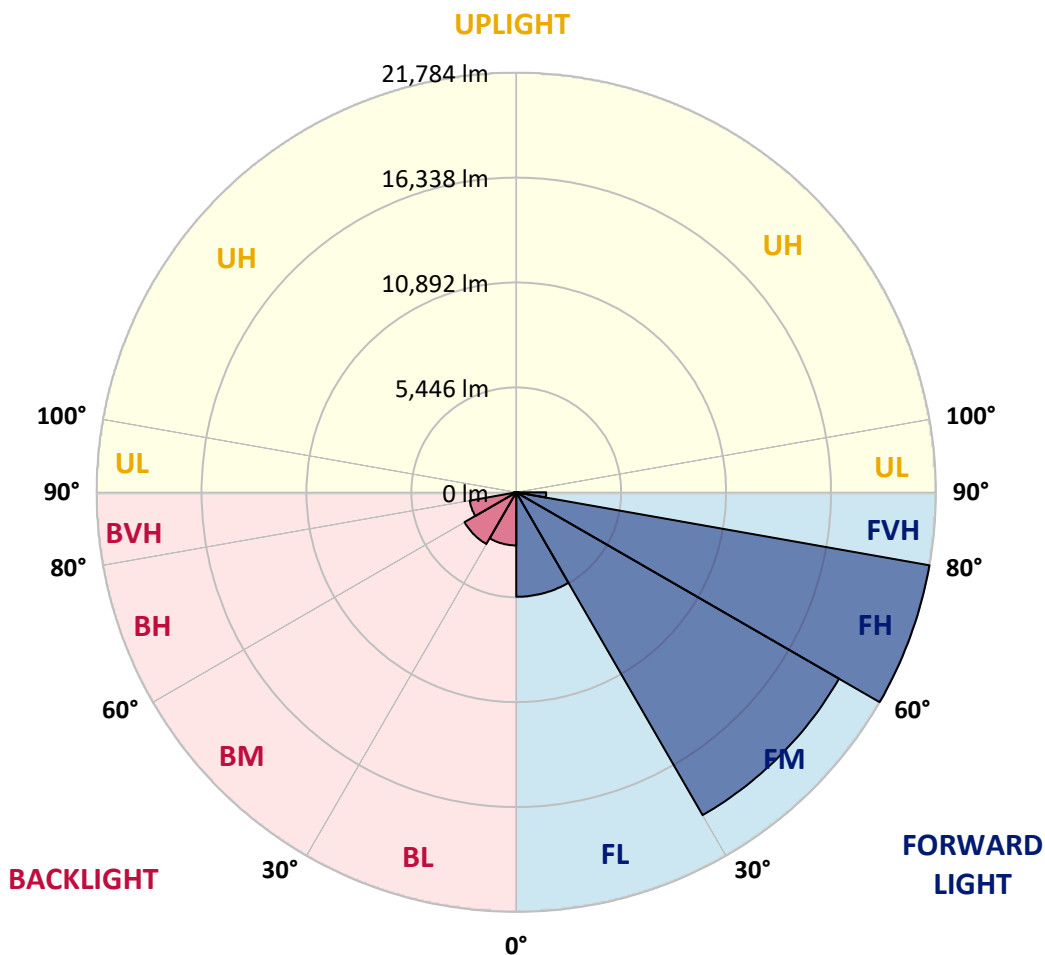


REPORT NUMBER: P319684  
 CATALOG NUMBER: GAN-SA0B-740-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5423.0	9.6			
FM (30°-60°)	19349.0	34.2			
FH (60°-80°)	21783.6	38.5			G5
FVH (80°-90°)	1555.1	2.7			G5
BL (0°-30°)	2756.8	4.9	B4/5000		
BM (30°-60°)	3101.5	5.5	B3/5000		
BH (60°-80°)	2458.0	4.3	B3/2500		G3/2500
BVH (80°-90°)	140.9	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Medium





REPORT NUMBER: P319684

CATALOG NUMBER: GAN-SA0B-740-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1
2.5°	16088.9	16067.2	16075.1	16059.3	16021.9	15984.5	15929.3	15939.1	15862.3	15748.0	15606.1
5°	15785.4	15777.6	15836.7	15870.2	15897.8	15876.1	15860.3	15880.0	15767.7	15610.1	15363.8
7.5°	15149.0	15062.3	15137.1	15249.5	15355.9	15436.7	15543.1	15556.9	15485.9	15320.4	14997.2
10°	14244.5	14161.8	14272.1	14447.5	14660.3	14853.4	15068.2	15107.6	15121.4	14971.6	14579.5
12.5°	13306.6	13243.5	13353.9	13600.2	13952.9	14250.4	14593.3	14652.4	14774.6	14674.1	14193.3
15°	12467.2	12443.5	12577.5	12819.9	13225.8	13681.0	14175.6	14283.9	14490.8	14457.3	13891.8
17.5°	11742.0	11736.1	11838.6	12092.8	12542.0	13117.4	13759.8	13943.0	14250.4	14289.8	13643.5
20°	11202.1	11190.3	11261.2	11448.4	11911.5	12563.7	13310.5	13562.7	14006.1	14144.0	13387.4
22.5°	10912.5	10910.5	10912.5	11001.1	11379.5	11986.4	12873.1	13180.5	13767.7	14027.8	13103.6
25°	10863.2	10857.3	10813.9	10804.1	11018.9	11503.6	12439.6	12778.5	13541.1	13947.0	12833.7
27.5°	10991.3	10999.2	10942.0	10849.4	10892.8	11186.4	12063.2	12425.8	13359.8	13931.2	12646.5
30°	11257.3	11253.4	11204.1	11107.5	11022.8	11068.1	11795.2	12157.8	13237.6	14000.2	12518.4
32.5°	11550.9	11572.6	11562.7	11509.5	11383.4	11202.1	11714.4	12069.1	13202.1	14165.7	12463.2
35°	11903.6	11927.3	11998.2	12039.6	11891.8	11600.2	11887.8	12195.2	13304.6	14477.0	12551.9
37.5°	12238.6	12299.7	12498.7	12674.1	12548.0	12222.8	12348.9	12567.7	13621.9	14967.7	12790.3
40°	12624.8	12678.0	13003.1	13375.5	13355.8	13018.9	13091.8	13237.6	14181.5	15671.1	13221.9
42.5°	13005.1	13111.5	13582.4	14110.5	14262.3	13964.7	14081.0	14157.8	14969.7	16603.2	13974.6
45°	13511.5	13625.8	14280.0	14916.5	15271.1	15103.7	15288.9	15318.4	15960.8	17872.2	15068.2
47.5°	14278.0	14408.1	15170.6	15838.6	16380.5	16398.3	16703.7	16691.9	17198.3	19324.4	16445.5
50°	15472.1	15659.3	16284.0	16908.6	17566.7	17933.2	18341.1	18284.0	18682.0	20871.2	18031.8
52.5°	17036.7	17123.4	17586.4	18047.5	18865.3	19687.0	20272.2	20221.0	20364.8	22461.4	19832.8
55°	18658.4	18723.4	18914.5	19166.8	20266.3	21606.2	22843.7	22762.9	22398.3	24112.6	21612.1
57.5°	20116.5	20248.5	20380.6	20485.0	21677.1	23612.1	25474.2	25480.1	24605.3	25893.9	23450.6
60°	20343.1	20459.4	21332.3	22156.0	24091.0	26288.0	28290.0	28230.9	26889.0	27827.0	25499.9
62.5°	17982.5	18244.6	19702.7	21893.9	26416.1	31182.7	31882.2	31809.3	29620.1	30209.3	27886.1
65°	12886.9	13184.4	14944.0	18236.7	25289.0	36575.9	38365.0	37383.8	33344.3	33139.4	30680.2
67.5°	7434.6	7505.5	8268.1	10912.5	19255.4	36857.6	48254.8	46881.4	39127.6	36463.5	32047.7
70°	5497.6	5495.6	5676.9	6715.4	10419.8	30081.2	52958.3	54189.9	45216.4	37557.2	30114.7
71°	4971.5	4977.4	5180.4	6112.4	8252.3	25178.7	51959.3	54654.9	46820.3	37017.2	28715.7
72.5°	4252.3	4272.0	4553.8	5481.8	6942.0	17363.8	47655.8	51864.7	47580.9	35685.2	26526.5
75°	3225.7	3271.0	3661.1	4620.8	6344.9	8806.0	34975.8	41415.3	42268.5	31488.1	19710.6
77.5°	2301.5	2352.7	2794.1	3885.8	6031.6	6636.5	23423.0	30209.3	31105.8	20179.6	8890.8
80°	1454.2	1515.3	1848.3	3091.7	5667.1	6301.6	14719.4	20305.7	16961.8	6457.2	2262.1
82.5°	853.2	900.5	1146.8	2019.7	4628.6	6069.0	8660.2	11255.3	6601.1	1950.8	1028.6
85°	494.6	516.3	715.3	1286.7	3361.6	5728.2	6362.6	6291.7	2865.1	953.7	486.7
87.5°	230.5	256.2	423.7	671.9	1866.0	4151.8	5028.6	4344.9	1781.3	447.3	228.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P319684  
 CATALOG NUMBER: GAN-SA0B-740-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1	15673.1
2.5°	15537.2	15503.7	15363.8	15239.6	15109.6	14940.1	14752.9	14729.3	14615.0	14636.7	14597.2
5°	15229.8	15145.0	14808.1	14502.7	14142.1	13818.9	13468.2	13306.6	13074.1	13058.3	12999.2
7.5°	14790.3	14632.7	14110.5	13531.2	12951.9	12400.2	11854.3	11495.7	11129.2	10973.5	10959.8
10°	14295.8	14027.8	13259.3	12402.1	11566.7	10760.7	9980.4	9403.1	8882.9	8636.6	8626.7
12.5°	13826.8	13430.7	12376.5	11210.0	10067.1	9022.8	7952.8	7194.2	6542.0	6323.2	6230.6
15°	13428.8	12871.1	11517.4	10025.8	8638.5	7188.3	5970.5	5172.5	4569.5	4360.6	4321.2
17.5°	13042.5	12325.3	10636.6	8829.7	7152.8	5558.7	4339.0	3745.9	3424.7	3339.9	3338.0
20°	12658.3	11763.7	9716.4	7606.0	5716.3	4157.7	3336.0	3070.0	2961.6	2951.8	2936.0
22.5°	12222.8	11168.6	8748.9	6378.4	4461.1	3269.0	2835.5	2729.1	2715.3	2750.8	2750.8
25°	11814.9	10577.5	7767.6	5176.4	3470.0	2727.1	2532.1	2510.4	2547.8	2610.9	2616.8
27.5°	11434.6	10008.0	6809.9	4108.4	2780.3	2402.0	2321.2	2346.8	2413.8	2486.7	2488.7
30°	11121.3	9470.1	5879.9	3237.5	2348.8	2159.6	2145.8	2197.1	2270.0	2327.1	2340.9
32.5°	10879.0	9011.0	4981.3	2603.0	2067.0	1978.4	1990.2	2033.5	2078.8	2110.4	2132.0
35°	10766.6	8616.9	4151.8	2195.1	1887.7	1838.4	1854.2	1877.9	1897.6	1921.2	1938.9
37.5°	10786.4	8311.4	3410.9	1940.9	1767.5	1741.9	1741.9	1741.9	1741.9	1753.7	1755.7
40°	10969.6	8136.1	2807.9	1779.3	1686.7	1659.1	1637.5	1617.8	1602.0	1609.9	1605.9
42.5°	11438.6	8120.3	2366.5	1676.9	1621.7	1576.4	1533.0	1505.4	1485.7	1493.6	1497.6
45°	12234.6	8317.4	2069.0	1604.0	1560.6	1491.6	1436.5	1406.9	1393.1	1418.7	1422.7
47.5°	13265.2	8746.9	1887.7	1550.8	1503.5	1412.8	1353.7	1326.1	1330.1	1367.5	1377.4
50°	14593.3	9444.5	1801.0	1517.3	1464.1	1345.8	1284.7	1261.1	1272.9	1326.1	1337.9
52.5°	16051.4	10449.4	1810.9	1507.4	1438.4	1296.6	1231.5	1204.0	1223.7	1272.9	1282.8
55°	17734.2	11657.3	1974.4	1521.2	1401.0	1265.0	1188.2	1140.9	1156.7	1202.0	1209.9
57.5°	19604.2	13040.6	2303.5	1517.3	1353.7	1235.5	1142.9	1071.9	1083.8	1111.3	1119.2
60°	21551.0	14711.5	2813.8	1529.1	1332.0	1200.0	1081.8	993.1	989.2	1012.8	1016.8
62.5°	23888.0	16644.6	3397.1	1537.0	1345.8	1154.7	1001.0	914.3	902.5	908.4	912.3
65°	26295.9	18043.6	3178.4	1505.4	1389.2	1117.3	930.1	837.4	815.8	811.8	813.8
67.5°	26370.8	16544.1	2228.6	1442.4	1406.9	1097.6	876.9	772.4	737.0	723.2	721.2
70°	23649.6	13440.6	1736.0	1375.4	1336.0	1066.0	827.6	719.2	666.0	644.3	642.4
71°	22321.5	12372.6	1645.3	1341.9	1282.8	1034.5	805.9	695.6	640.4	616.8	612.8
72.5°	20238.7	11091.8	1535.0	1288.7	1180.3	953.7	764.5	662.1	604.9	577.3	571.4
75°	14524.3	7253.3	1318.2	1148.8	977.4	760.6	670.0	595.1	545.8	512.3	508.4
77.5°	5596.1	2886.7	997.1	955.7	748.8	595.1	551.7	514.3	478.8	445.3	443.4
80°	1730.1	1290.7	727.1	719.2	541.9	443.4	429.6	419.7	405.9	370.4	362.6
82.5°	924.2	740.9	500.5	465.0	354.7	295.6	311.3	315.3	317.2	279.8	275.9
85°	441.4	392.1	281.8	264.0	206.9	165.5	191.1	206.9	208.9	171.4	159.6
87.5°	210.8	204.9	132.0	100.5	76.8	55.2	67.0	82.8	90.6	65.0	57.1
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)