

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: P319693

Luminaire Tested: **GAN-SA9C-740-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319693  
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-SA9C-740-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 1050mA 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: 63237 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

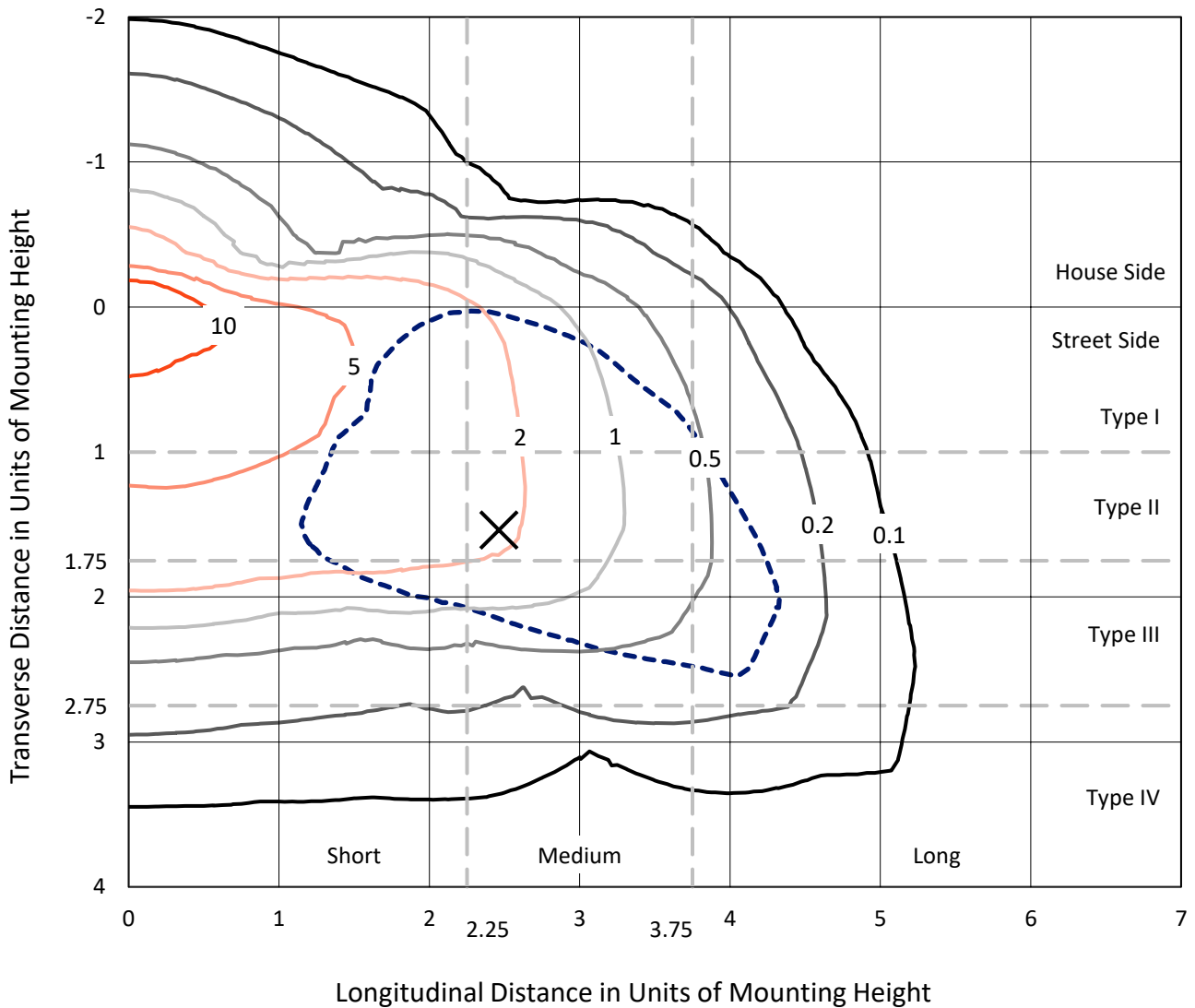
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P319693  
 CATALOG NUMBER: GAN-SA9C-740-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

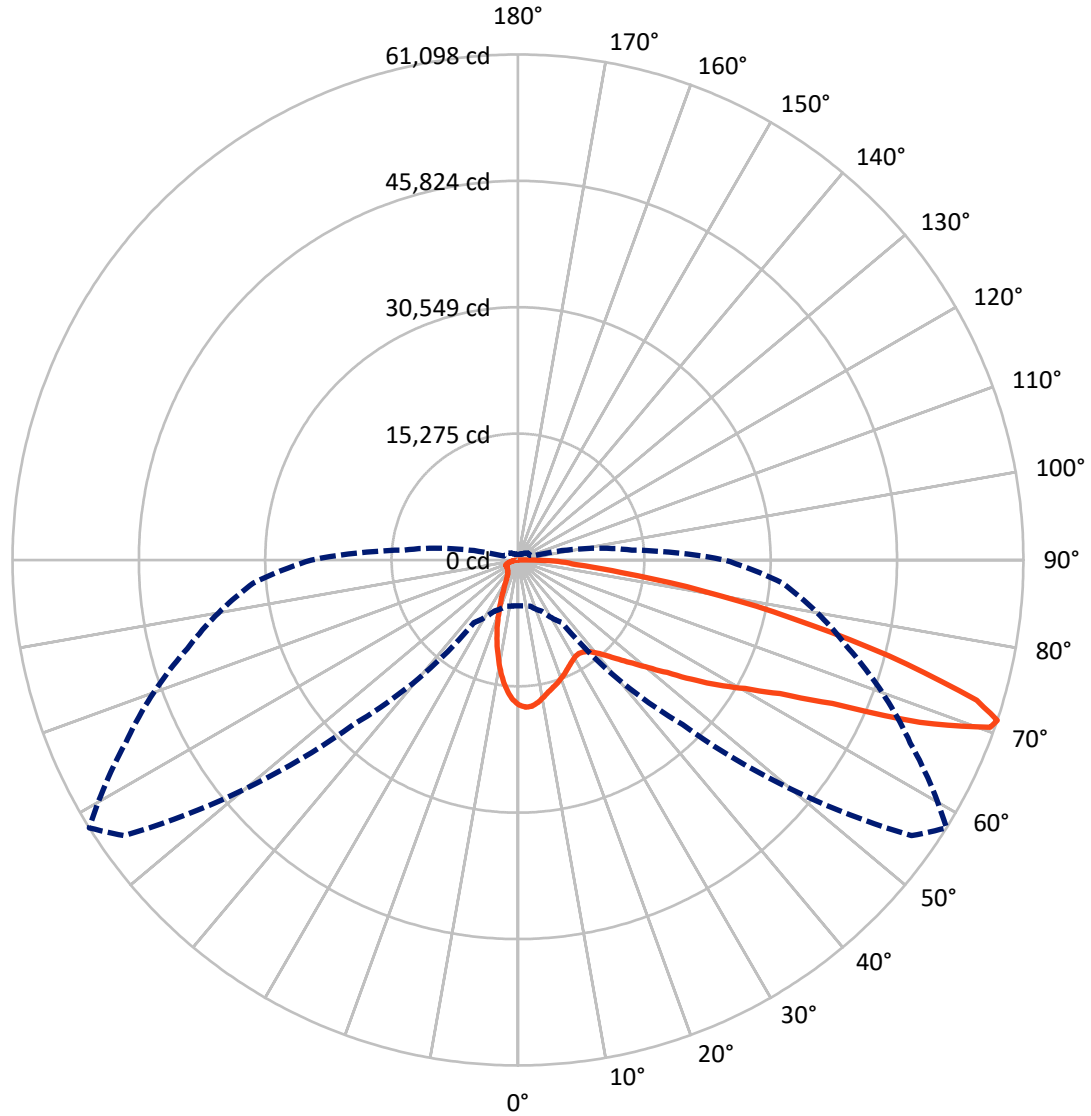
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 19.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P319693  
CATALOG NUMBER: GAN-SA9C-740-U-SL3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P319693

CATALOG NUMBER: GAN-SA9C-740-U-SL3

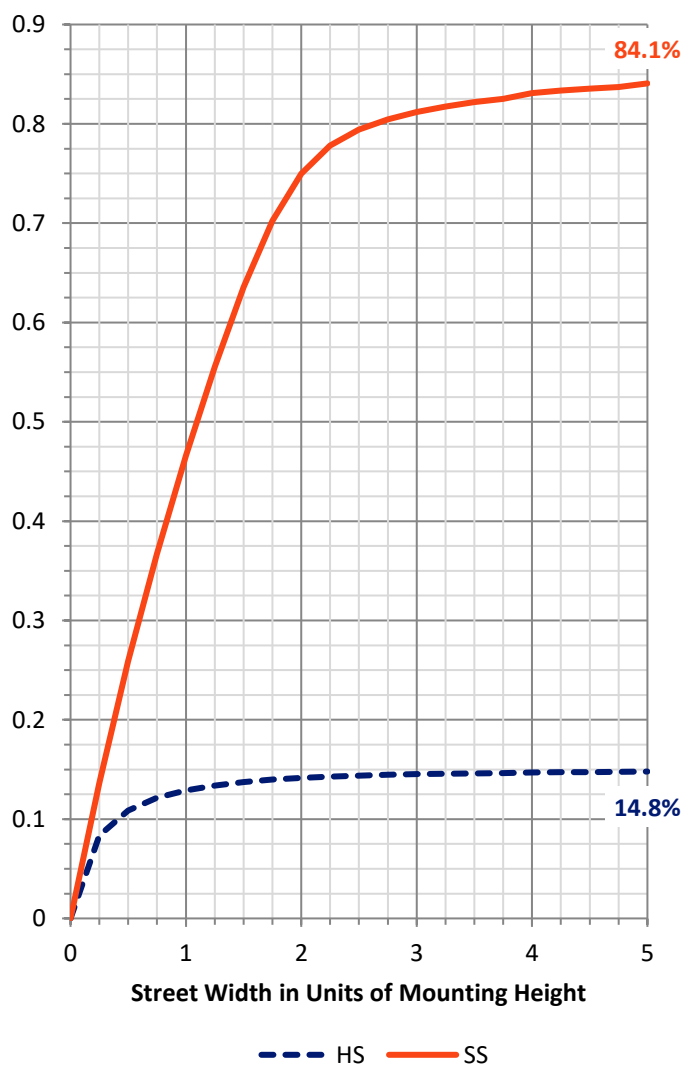
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9454.4	0.0	9454.4
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	53782.6	0.0	53782.6
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	63237.0	0.0	63237.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1511.5	2.4
10°-20°	3361.1	5.3
20°-30°	4271.6	6.8
30°-40°	5441.1	8.6
40°-50°	7715.8	12.2
50°-60°	11940.4	18.9
60°-70°	16255.4	25.7
70°-80°	10844.2	17.1
80°-90°	1895.9	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°	63237.0	100.0
0°-180°	63237.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P319693

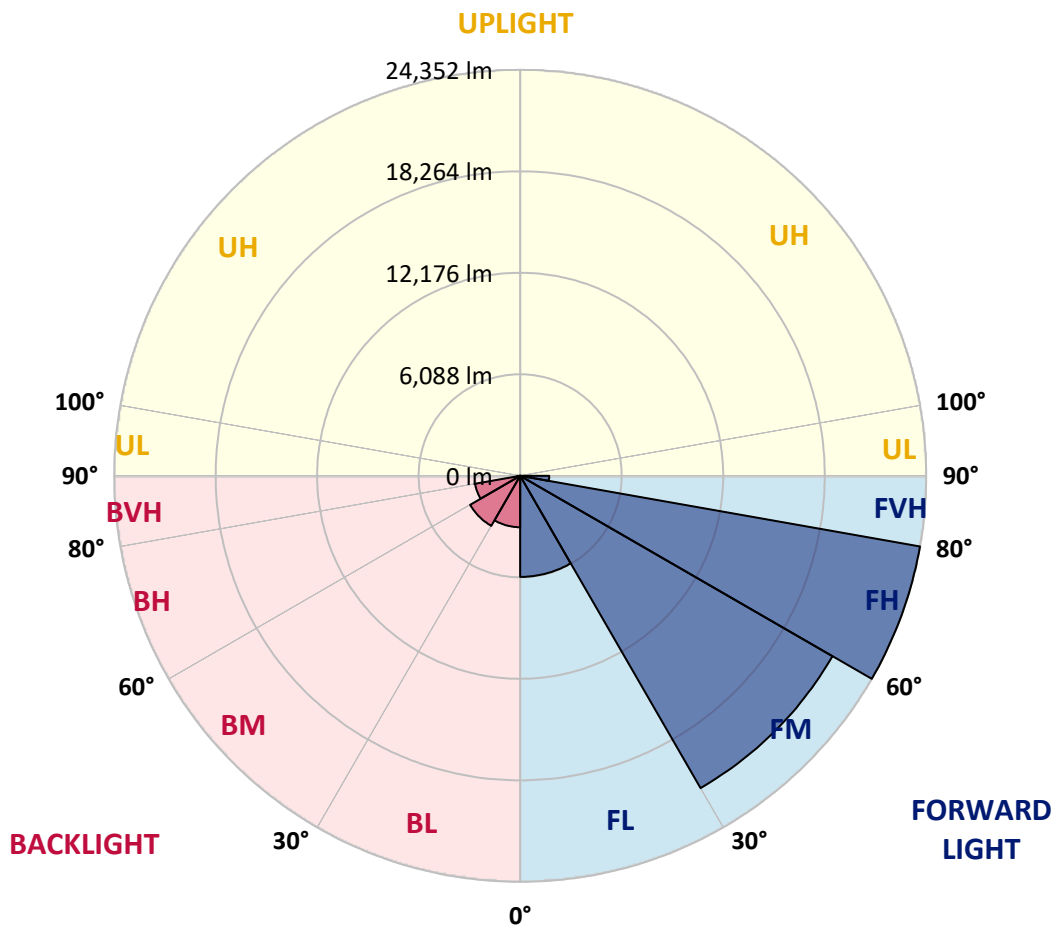
CATALOG NUMBER: GAN-SA9C-740-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6062.3	9.6			
FM (30°-60°)	21630.1	34.2			
FH (60°-80°)	24351.8	38.5			G5
FVH (80°-90°)	1738.4	2.7			G5
BL (0°-30°)	3081.8	4.9	B4/5000		
BM (30°-60°)	3467.2	5.5	B3/5000		
BH (60°-80°)	2747.8	4.3	B4/5000		G4/5000
BVH (80°-90°)	157.5	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: P319693

CATALOG NUMBER: GAN-SA9C-740-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9
2.5°	17985.7	17961.4	17970.2	17952.6	17910.8	17868.9	17807.2	17818.3	17732.3	17604.6	17446.0
5°	17646.4	17637.6	17703.7	17741.2	17772.0	17747.8	17730.1	17752.2	17626.6	17450.4	17175.0
7.5°	16934.9	16838.0	16921.7	17047.3	17166.2	17256.5	17375.5	17390.9	17311.6	17126.6	16765.3
10°	15923.9	15831.3	15954.7	16150.8	16388.6	16604.5	16844.6	16888.7	16904.1	16736.7	16298.3
12.5°	14875.3	14804.9	14928.2	15203.6	15597.9	15930.5	16313.8	16379.8	16516.4	16404.1	15866.6
15°	13937.0	13910.5	14060.3	14331.3	14785.0	15293.9	15846.8	15967.9	16199.2	16161.8	15529.6
17.5°	13126.3	13119.7	13234.3	13518.4	14020.7	14663.9	15382.0	15586.8	15930.5	15974.5	15252.0
20°	12522.8	12509.6	12588.9	12798.1	13315.8	14044.9	14879.7	15161.7	15657.3	15811.5	14965.7
22.5°	12199.0	12196.8	12199.0	12298.1	12721.0	13399.5	14390.7	14734.4	15390.8	15681.6	14648.5
25°	12143.9	12137.3	12088.8	12077.8	12317.9	12859.8	13906.1	14285.0	15137.5	15591.2	14346.7
27.5°	12287.1	12295.9	12232.0	12128.5	12176.9	12505.2	13485.4	13890.7	14934.8	15573.6	14137.4
30°	12584.5	12580.1	12525.0	12417.0	12322.3	12373.0	13185.8	13591.1	14798.2	15650.7	13994.2
32.5°	12912.7	12936.9	12925.9	12866.4	12725.4	12522.8	13095.5	13492.0	14758.6	15835.8	13932.6
35°	13307.0	13333.4	13412.7	13459.0	13293.8	12967.7	13289.3	13633.0	14873.1	16183.8	14031.7
37.5°	13681.4	13749.7	13972.2	14168.3	14027.3	13663.8	13804.8	14049.3	15227.8	16732.3	14298.2
40°	14113.2	14172.7	14536.1	14952.4	14930.4	14553.7	14635.2	14798.2	15853.4	17518.7	14780.6
42.5°	14538.3	14657.3	15183.7	15774.1	15943.7	15611.1	15741.0	15826.9	16734.5	18560.6	15622.1
45°	15104.4	15232.2	15963.5	16675.0	17071.5	16884.3	17091.3	17124.4	17842.5	19979.2	16844.6
47.5°	15961.3	16106.7	16959.2	17705.9	18311.7	18331.5	18672.9	18659.7	19225.8	21602.6	18384.4
50°	17296.2	17505.5	18203.7	18902.0	19637.7	20047.5	20503.4	20439.6	20884.5	23331.8	20157.6
52.5°	19045.2	19142.1	19659.8	20175.2	21089.4	22007.9	22662.2	22604.9	22765.7	25109.4	22170.9
55°	20858.1	20930.8	21144.4	21426.4	22655.5	24153.4	25536.8	25446.5	25038.9	26955.4	24160.0
57.5°	22488.1	22635.7	22783.3	22900.1	24232.7	26395.9	28477.5	28484.1	27506.1	28946.7	26215.2
60°	22741.5	22871.4	23847.2	24768.0	26931.1	29387.2	31625.2	31559.2	30059.1	31107.6	28506.1
62.5°	20102.5	20395.5	22025.6	24475.0	29530.4	34858.9	35640.9	35559.4	33112.1	33770.8	31173.7
65°	14406.2	14738.8	16705.8	20386.7	28270.4	40887.9	42888.0	41791.1	37275.4	37046.3	34297.2
67.5°	8311.1	8390.4	9242.8	12199.0	21525.5	41202.9	53943.8	52408.4	43740.5	40762.4	35825.9
70°	6145.7	6143.5	6346.2	7507.1	11648.3	33627.6	59201.8	60578.5	50547.1	41984.9	33665.0
71°	5557.6	5564.2	5791.1	6833.0	9225.2	28147.1	58085.0	61098.4	52340.1	41381.3	32101.0
72.5°	4753.6	4775.6	5090.6	6128.1	7760.4	19410.9	53274.1	57979.3	53190.4	39892.3	29653.8
75°	3605.9	3656.6	4092.8	5165.5	7092.9	9844.2	39099.3	46297.9	47251.7	35200.4	22034.4
77.5°	2572.8	2630.1	3123.5	4343.9	6742.7	7418.9	26184.4	33770.8	34773.0	22558.6	9938.9
80°	1625.6	1693.9	2066.2	3456.2	6335.2	7044.5	16454.7	22699.6	18961.5	7218.5	2528.8
82.5°	953.8	1006.7	1282.0	2257.8	5174.3	6784.5	9681.2	12582.3	7379.3	2180.7	1149.8
85°	552.9	577.1	799.6	1438.4	3757.9	6403.5	7112.8	7033.5	3202.8	1066.1	544.1
87.5°	257.7	286.4	473.6	751.1	2086.0	4641.2	5621.5	4857.1	1991.3	500.0	255.5
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: P319693

CATALOG NUMBER: GAN-SA9C-740-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9	17520.9
2.5°	17368.9	17331.4	17175.0	17036.3	16890.9	16701.4	16492.2	16465.7	16338.0	16362.2	16318.2
5°	17025.3	16930.5	16553.9	16212.4	15809.3	15448.1	15056.0	14875.3	14615.4	14597.8	14531.7
7.5°	16534.0	16357.8	15774.1	15126.5	14478.8	13862.1	13251.9	12851.0	12441.3	12267.3	12251.8
10°	15981.1	15681.6	14822.5	13864.3	12930.3	12029.4	11157.1	10511.6	9930.1	9654.8	9643.8
12.5°	15456.9	15014.1	13835.6	12531.6	11254.0	10086.5	8890.4	8042.3	7313.2	7068.7	6965.2
15°	15011.9	14388.5	12875.2	11207.7	9657.0	8035.7	6674.4	5782.3	5108.2	4874.7	4830.7
17.5°	14580.2	13778.4	11890.6	9870.6	7996.1	6214.0	4850.5	4187.5	3828.4	3733.7	3731.5
20°	14150.6	13150.6	10861.9	8502.7	6390.3	4647.9	3729.3	3431.9	3310.8	3299.8	3282.1
22.5°	13663.8	12485.3	9780.3	7130.4	4987.1	3654.4	3169.8	3050.8	3035.4	3075.1	3075.1
25°	13207.8	11824.5	8683.3	5786.7	3879.1	3048.6	2830.6	2806.3	2848.2	2918.7	2925.3
27.5°	12782.7	11187.9	7612.8	4592.8	3108.1	2685.2	2594.9	2623.5	2698.4	2779.9	2782.1
30°	12432.5	10586.5	6573.1	3619.2	2625.7	2414.2	2398.8	2456.1	2537.6	2601.5	2616.9
32.5°	12161.5	10073.3	5568.6	2909.9	2310.7	2211.6	2224.8	2273.3	2323.9	2359.2	2383.4
35°	12036.0	9632.7	4641.2	2453.9	2110.3	2055.2	2072.8	2099.2	2121.3	2147.7	2167.5
37.5°	12058.0	9291.3	3813.0	2169.7	1975.9	1947.3	1947.3	1947.3	1947.3	1960.5	1962.7
40°	12262.9	9095.3	3139.0	1989.1	1885.6	1854.7	1830.5	1808.5	1790.9	1799.7	1795.3
42.5°	12787.1	9077.6	2645.5	1874.6	1812.9	1762.2	1713.8	1682.9	1660.9	1669.7	1674.1
45°	13677.0	9297.9	2312.9	1793.1	1744.6	1667.5	1605.8	1572.8	1557.4	1586.0	1590.4
47.5°	14829.1	9778.1	2110.3	1733.6	1680.7	1579.4	1513.3	1482.5	1486.9	1528.7	1539.7
50°	16313.8	10557.9	2013.3	1696.1	1636.7	1504.5	1436.2	1409.8	1423.0	1482.5	1495.7
52.5°	17943.8	11681.3	2024.4	1685.1	1608.0	1449.4	1376.7	1345.9	1367.9	1423.0	1434.0
55°	19825.0	13031.6	2207.2	1700.5	1566.2	1414.2	1328.3	1275.4	1293.0	1343.7	1352.5
57.5°	21915.4	14578.0	2575.0	1696.1	1513.3	1381.1	1277.6	1198.3	1211.5	1242.4	1251.2
60°	24091.8	16445.9	3145.6	1709.4	1489.1	1341.5	1209.3	1110.2	1105.8	1132.2	1136.6
62.5°	26704.2	18606.8	3797.6	1718.2	1504.5	1290.8	1119.0	1022.1	1008.9	1015.5	1019.9
65°	29396.0	20170.8	3553.1	1682.9	1553.0	1249.0	1039.7	936.2	911.9	907.5	909.7
67.5°	29479.7	18494.5	2491.3	1612.4	1572.8	1226.9	980.2	863.5	823.8	808.4	806.2
70°	26437.7	15025.1	1940.6	1537.5	1493.5	1191.7	925.2	804.0	744.5	720.3	718.1
71°	24953.0	13831.2	1839.3	1500.1	1434.0	1156.5	900.9	777.6	715.9	689.5	685.1
72.5°	22624.7	12399.4	1716.0	1440.6	1319.5	1066.1	854.7	740.1	676.3	645.4	638.8
75°	16236.7	8108.4	1473.7	1284.2	1092.6	850.3	748.9	665.2	610.2	572.7	568.3
77.5°	6255.9	3227.1	1114.6	1068.3	837.1	665.2	616.8	574.9	535.3	497.8	495.6
80°	1934.0	1442.8	812.8	804.0	605.8	495.6	480.2	469.2	453.8	414.1	405.3
82.5°	1033.1	828.2	559.5	519.9	396.5	330.4	348.0	352.4	354.6	312.8	308.4
85°	493.4	438.4	315.0	295.2	231.3	185.0	213.7	231.3	233.5	191.6	178.4
87.5°	235.7	229.1	147.6	112.3	85.9	61.7	74.9	92.5	101.3	72.7	63.9
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)