

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: P322243

Luminaire Tested: **GAN-SA9B-740-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA9B-740-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37230 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

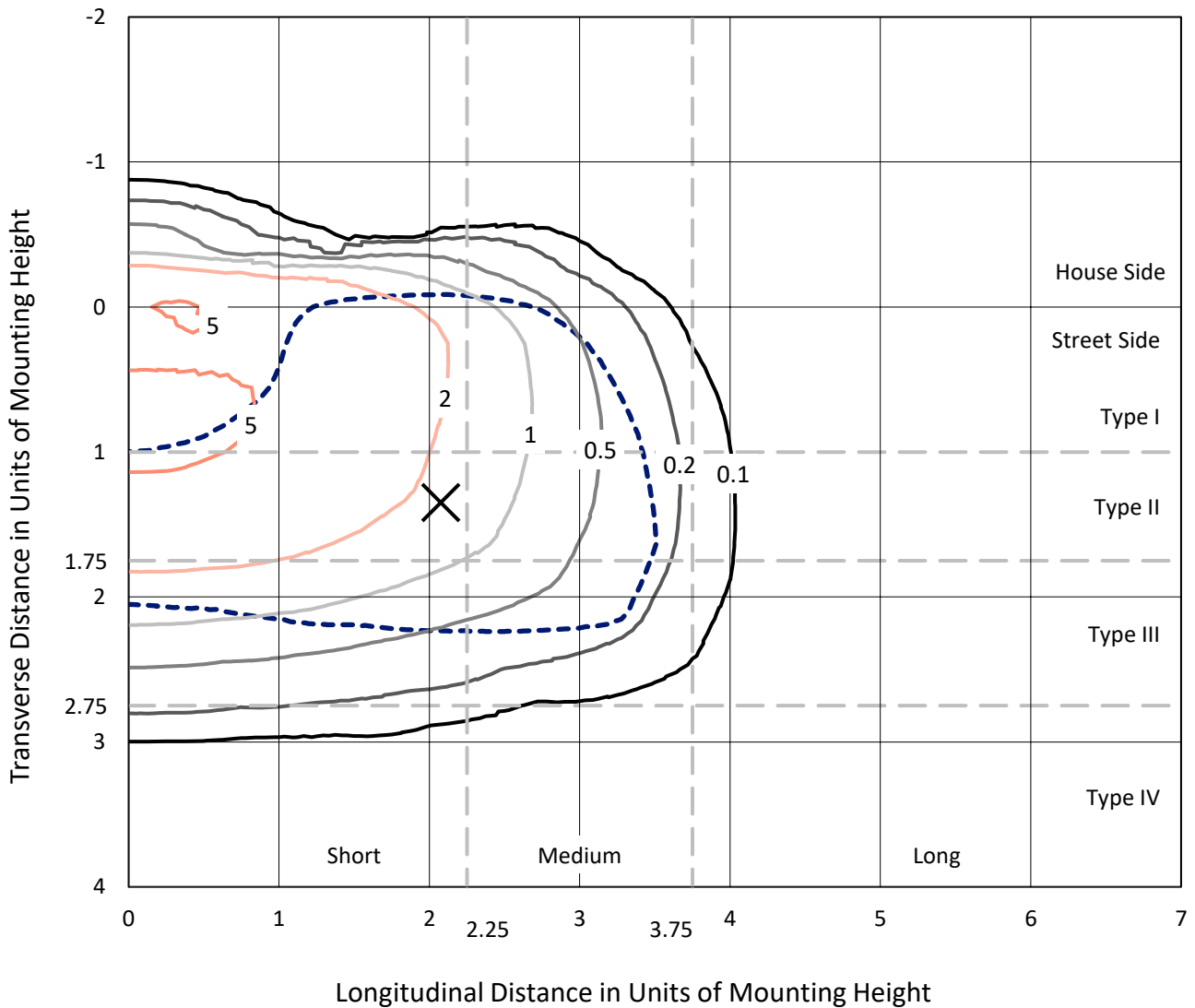
Input Watts (W): 374  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P322243  
 CATALOG NUMBER: GAN-SA9B-740-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

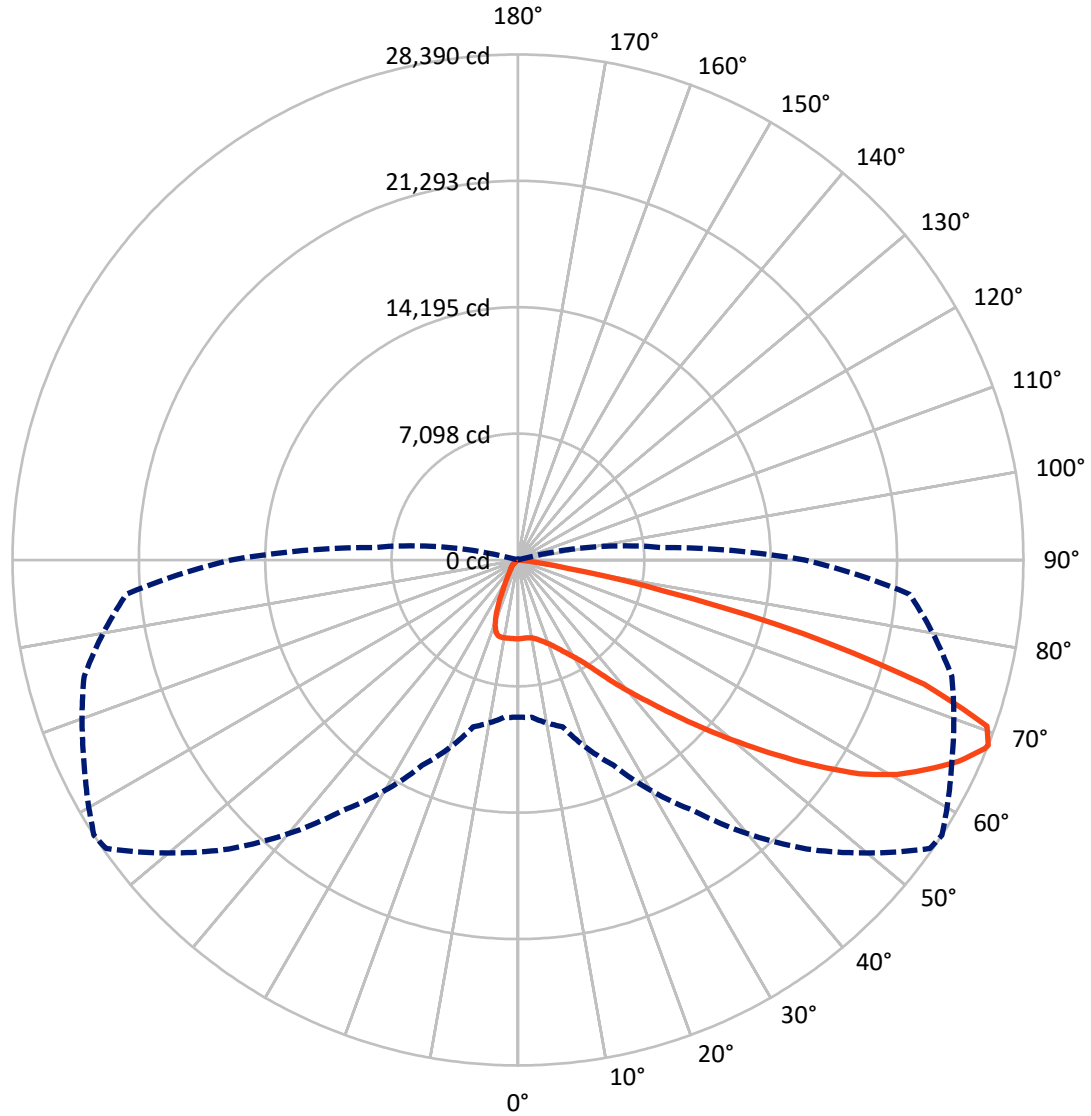
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P322243  
CATALOG NUMBER: GAN-SA9B-740-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P322243

CATALOG NUMBER: GAN-SA9B-740-U-T3-HSS

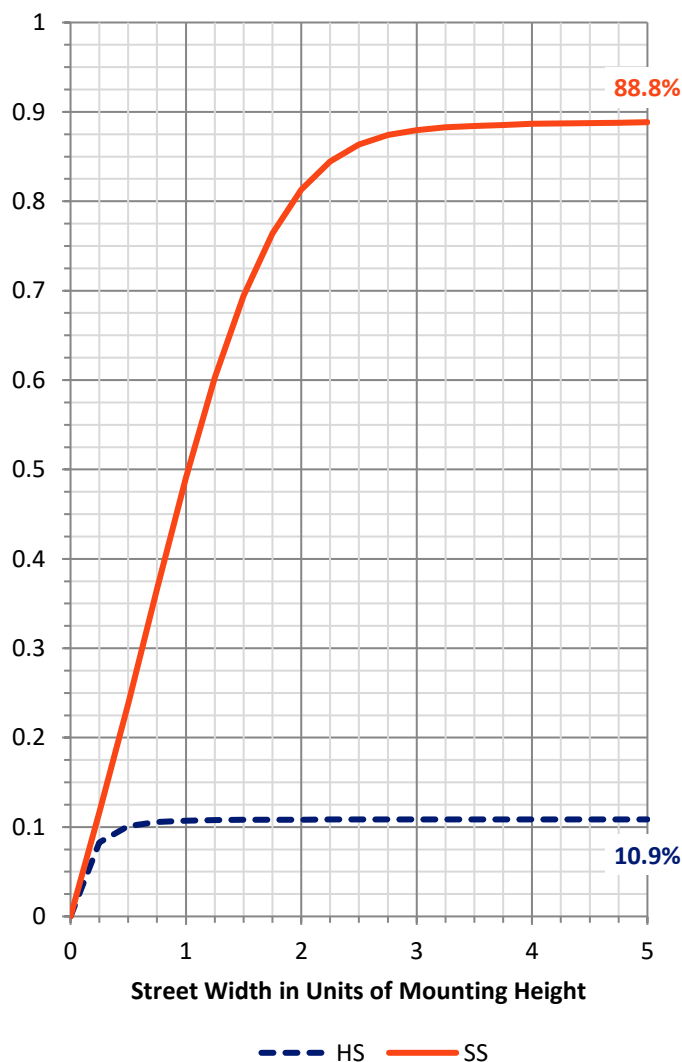
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4082.5	0.0	4082.5
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	33147.5	0.0	33147.5
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	37230.0	0.0	37230.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.0	1.1
10°-20°	1147.3	3.1
20°-30°	1979.1	5.3
30°-40°	3415.9	9.2
40°-50°	5842.9	15.7
50°-60°	9348.2	25.1
60°-70°	10800.8	29.0
70°-80°	4127.1	11.1
80°-90°	154.7	0.4
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°	37230.0	100.0
0°-180°	37230.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P322243

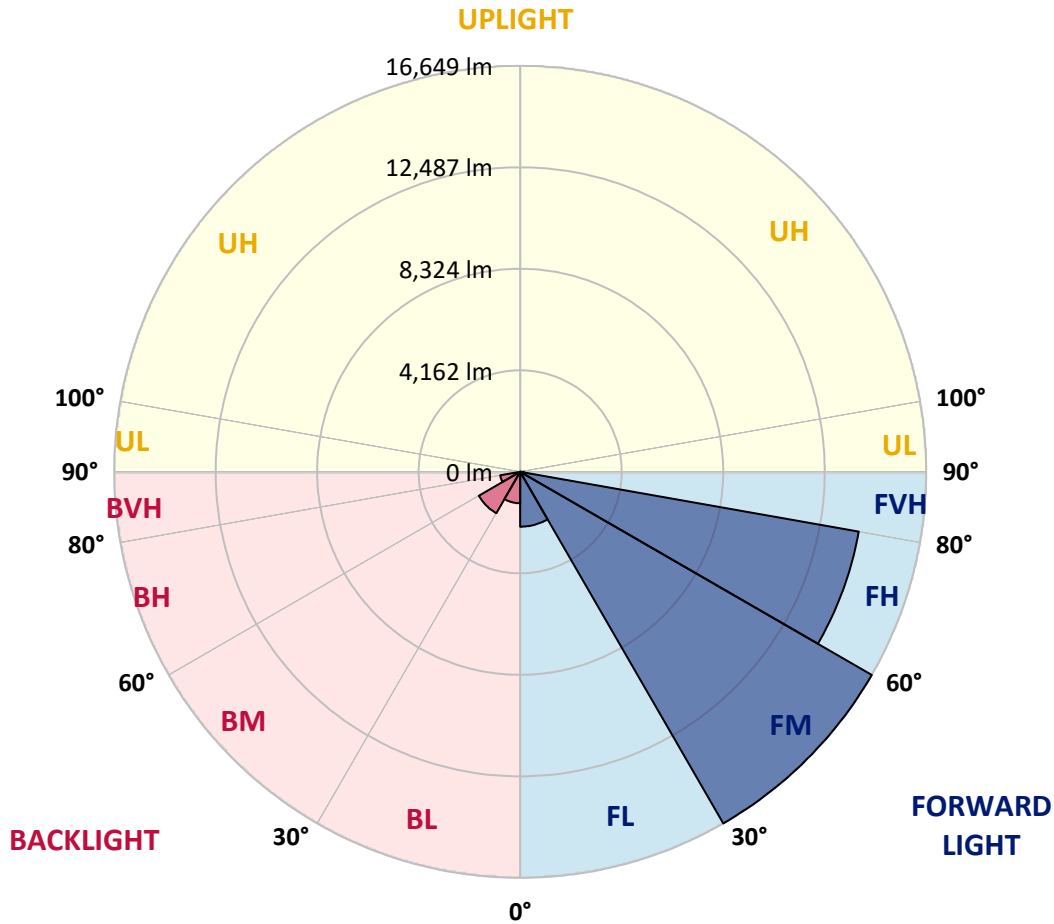
CATALOG NUMBER: GAN-SA9B-740-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.2	6.0			
FM (30°-60°)	16648.9	44.7			
FH (60°-80°)	14096.5	37.9			G5
FVH (80°-90°)	151.9	0.4			G2/225
BL (0°-30°)	1290.2	3.5	B3/2500		
BM (30°-60°)	1958.0	5.3	B2/2500		
BH (60°-80°)	831.4	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.8	0.0			G0/10
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 Short





REPORT NUMBER: P322243  
 CATALOG NUMBER: GAN-SA9B-740-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9
2.5°	4320.0	4339.4	4353.5	4362.3	4372.9	4395.7	4402.8	4413.3	4418.6	4418.6	4430.9
5°	4149.3	4170.4	4200.3	4225.0	4274.3	4337.6	4383.4	4401.0	4432.7	4460.9	4476.7
7.5°	3990.8	4015.5	4050.7	4108.8	4193.3	4295.4	4390.5	4415.1	4476.7	4536.6	4566.5
10°	3888.7	3908.1	3953.9	4036.6	4147.5	4290.1	4423.9	4453.8	4559.5	4659.8	4716.1
12.5°	3853.5	3871.1	3918.7	4012.0	4149.3	4316.5	4501.4	4545.4	4700.3	4846.4	4925.6
15°	3904.6	3908.1	3959.2	4047.2	4182.7	4381.7	4629.9	4682.7	4878.1	5068.2	5166.8
17.5°	4101.8	4085.9	4112.3	4151.0	4258.4	4467.9	4765.4	4844.6	5105.2	5328.8	5422.1
20°	4594.7	4594.7	4534.8	4429.2	4430.9	4601.7	4948.5	5038.3	5356.9	5615.7	5700.2
22.5°	5437.9	5422.1	5302.3	5043.6	4805.9	4832.3	5172.1	5288.3	5659.7	5936.1	5964.3
25°	6451.9	6432.5	6247.7	5883.3	5471.3	5205.5	5474.9	5608.7	6020.6	6265.3	6207.2
27.5°	7525.7	7509.9	7326.8	6874.4	6288.2	5800.5	5835.8	5962.5	6388.5	6629.7	6444.9
30°	8566.1	8571.4	8390.1	7925.4	7261.7	6559.3	6293.5	6367.4	6745.9	6990.6	6726.5
32.5°	9555.5	9562.5	9405.9	8886.5	8266.9	7441.2	6927.2	6907.8	7161.3	7402.5	7099.7
35°	10437.5	10455.1	10347.7	9944.5	9287.9	8423.6	7749.3	7703.5	7751.1	8023.9	7671.9
37.5°	11287.7	11298.3	11217.3	10877.6	10328.3	9502.7	8788.0	8722.8	8620.7	8830.2	8427.1
40°	12219.0	12192.6	12099.3	11791.2	11319.4	10694.5	9904.1	9791.4	9613.6	9800.2	9419.9
42.5°	13085.1	13055.2	13071.0	12722.5	12324.6	11919.7	11205.0	11011.4	10907.5	11122.3	10638.1
45°	14167.8	14151.9	14204.7	13901.9	13579.8	13285.8	12696.1	12484.8	12439.0	12690.8	12111.6
47.5°	15236.3	15275.1	15438.8	15310.3	15180.0	14921.2	14275.1	14180.1	14208.3	14512.8	13666.0
50°	16127.1	16172.9	16621.8	16769.6	16958.0	16806.6	16158.8	16100.7	16211.6	16486.2	15338.4
52.5°	16771.4	16864.7	17422.8	18104.0	18790.6	18892.7	18246.6	18193.8	18343.5	18385.7	16630.6
55°	17218.6	17301.3	17933.3	19179.6	20577.4	21017.5	20616.1	20411.9	20383.8	19966.5	17989.6
57.5°	17297.8	17289.0	18197.3	19875.0	21978.7	23114.2	22860.7	22660.0	22082.6	21427.7	19547.6
60°	16850.6	16901.7	17956.2	20116.2	22858.9	24700.3	24719.7	24459.1	23559.5	22848.3	21058.0
62.5°	15474.0	15681.7	16746.8	19484.2	22848.3	25339.3	26082.2	25883.3	24807.7	24012.0	22589.6
65°	13241.8	13315.7	14331.5	17318.9	21304.5	25071.7	27309.2	27235.3	25932.6	25142.1	23376.5
67.5°	9669.9	9509.7	10576.5	13637.9	18037.1	23512.0	28189.4	28282.7	26800.5	25374.5	22538.5
68°	8824.9	8872.5	9703.4	12727.8	17181.6	22961.0	28247.5	28390.1	26886.7	25223.1	22080.8
70°	5260.1	5351.6	6092.8	8763.3	13071.0	19843.3	27620.8	27946.5	26372.7	23661.6	19098.7
72.5°	1343.2	1452.3	2153.0	3922.2	7465.9	13981.2	23316.6	23867.6	22897.6	19195.5	12893.2
75°	552.8	580.9	769.3	1292.1	2781.4	6298.7	15368.4	16547.8	15873.6	11491.9	5827.0
77.5°	382.0	401.4	494.7	716.5	1204.1	2135.4	7534.5	8386.6	7555.7	3922.2	1271.0
80°	274.6	290.5	353.8	477.1	691.8	762.3	2455.8	2839.5	2255.1	860.8	315.1
82.5°	163.7	176.0	264.1	339.8	420.7	364.4	610.9	693.6	653.1	427.8	140.8
85°	81.0	95.1	177.8	242.9	227.1	153.2	186.6	207.7	257.0	260.5	75.7
87.5°	5.3	10.6	103.9	146.1	63.4	35.2	54.6	66.9	91.5	128.5	31.7
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: P322243  
 CATALOG NUMBER: GAN-SA9B-740-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9	4423.9
2.5°	4436.2	4438.0	4425.7	4420.4	4423.9	4402.8	4394.0	4397.5	4397.5	4402.8	4394.0
5°	4480.2	4480.2	4459.1	4430.9	4415.1	4374.6	4348.2	4341.2	4335.9	4332.4	4325.3
7.5°	4575.3	4564.7	4527.8	4466.2	4413.3	4325.3	4258.4	4223.2	4205.6	4198.6	4193.3
10°	4728.5	4709.1	4647.5	4533.1	4411.6	4254.9	4108.8	4004.9	3918.7	3883.5	3862.3
12.5°	4934.4	4906.3	4802.4	4612.3	4399.3	4110.6	3793.7	3489.1	3205.7	3089.5	3031.4
15°	5172.1	5131.6	4967.9	4679.2	4327.1	3784.9	3096.6	2563.2	2170.6	2022.7	1959.3
17.5°	5413.3	5360.4	5112.2	4721.4	4110.6	3110.6	2172.3	1640.7	1378.4	1308.0	1283.3
20°	5656.2	5578.7	5237.2	4689.7	3621.2	2242.8	1433.0	1198.8	1123.1	1102.0	1095.0
22.5°	5886.8	5767.1	5349.9	4566.5	2867.7	1505.1	1133.7	1059.8	1035.1	1022.8	1019.3
25°	6087.5	5920.3	5448.5	4186.3	2029.8	1137.2	1021.0	996.4	964.7	941.8	943.6
27.5°	6275.9	6073.4	5508.3	3559.5	1353.8	971.7	945.3	911.9	853.8	820.4	820.4
30°	6502.9	6277.6	5552.3	2739.2	996.4	859.1	838.0	786.9	707.7	663.7	663.7
32.5°	6844.5	6587.4	5524.2	1922.4	825.6	755.2	705.9	635.5	549.2	507.0	505.2
35°	7367.3	7066.3	5323.5	1260.5	728.8	656.6	577.4	491.2	415.5	380.2	378.5
37.5°	8071.5	7707.1	4872.8	901.3	653.1	565.1	470.0	375.0	318.6	295.7	294.0
40°	8985.1	8451.7	4228.5	730.6	582.7	477.1	362.6	290.5	251.7	234.1	235.9
42.5°	10081.9	9249.2	3455.7	630.2	514.0	392.6	283.4	228.9	204.2	191.9	188.4
45°	11300.1	10036.1	2645.9	561.6	445.4	316.9	221.8	181.3	162.0	154.9	154.9
47.5°	12639.7	10801.9	1936.4	501.7	371.4	244.7	177.8	147.9	132.0	126.7	125.0
50°	13856.2	11333.5	1396.0	438.3	304.6	193.6	144.4	123.2	112.7	105.6	105.6
52.5°	14870.2	11500.7	1028.1	369.7	246.5	154.9	119.7	105.6	95.1	89.8	89.8
55°	15762.7	11432.1	764.0	304.6	198.9	126.7	102.1	89.8	81.0	75.7	75.7
57.5°	16618.3	11210.3	570.4	248.2	160.2	102.1	86.3	75.7	66.9	63.4	63.4
60°	17317.1	10840.6	424.3	200.7	128.5	82.7	72.2	61.6	54.6	49.3	49.3
62.5°	17884.0	10432.2	311.6	165.5	102.1	65.1	56.3	51.1	40.5	35.2	35.2
65°	17887.5	9754.4	234.1	137.3	79.2	51.1	42.2	40.5	26.4	21.1	19.4
67.5°	16593.6	8409.5	179.6	117.9	61.6	38.7	31.7	33.4	14.1	8.8	7.0
68°	16123.6	8068.0	169.0	116.2	58.1	37.0	29.9	33.4	12.3	7.0	5.3
70°	13593.9	6418.4	135.6	112.7	51.1	28.2	24.6	33.4	10.6	5.3	3.5
72.5°	8694.7	3725.0	100.3	89.8	38.7	21.1	15.8	29.9	10.6	3.5	1.8
75°	3700.4	1154.8	68.7	63.4	22.9	15.8	10.6	19.4	7.0	1.8	0.0
77.5°	779.9	260.5	40.5	38.7	15.8	10.6	7.0	5.3	1.8	0.0	0.0
80°	200.7	75.7	21.1	19.4	8.8	5.3	3.5	0.0	0.0	0.0	0.0
82.5°	63.4	29.9	12.3	8.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.7	17.6	7.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.6	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)