

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: P322885

Luminaire Tested: **GAN-SA1C-740-U-T4W-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5368 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

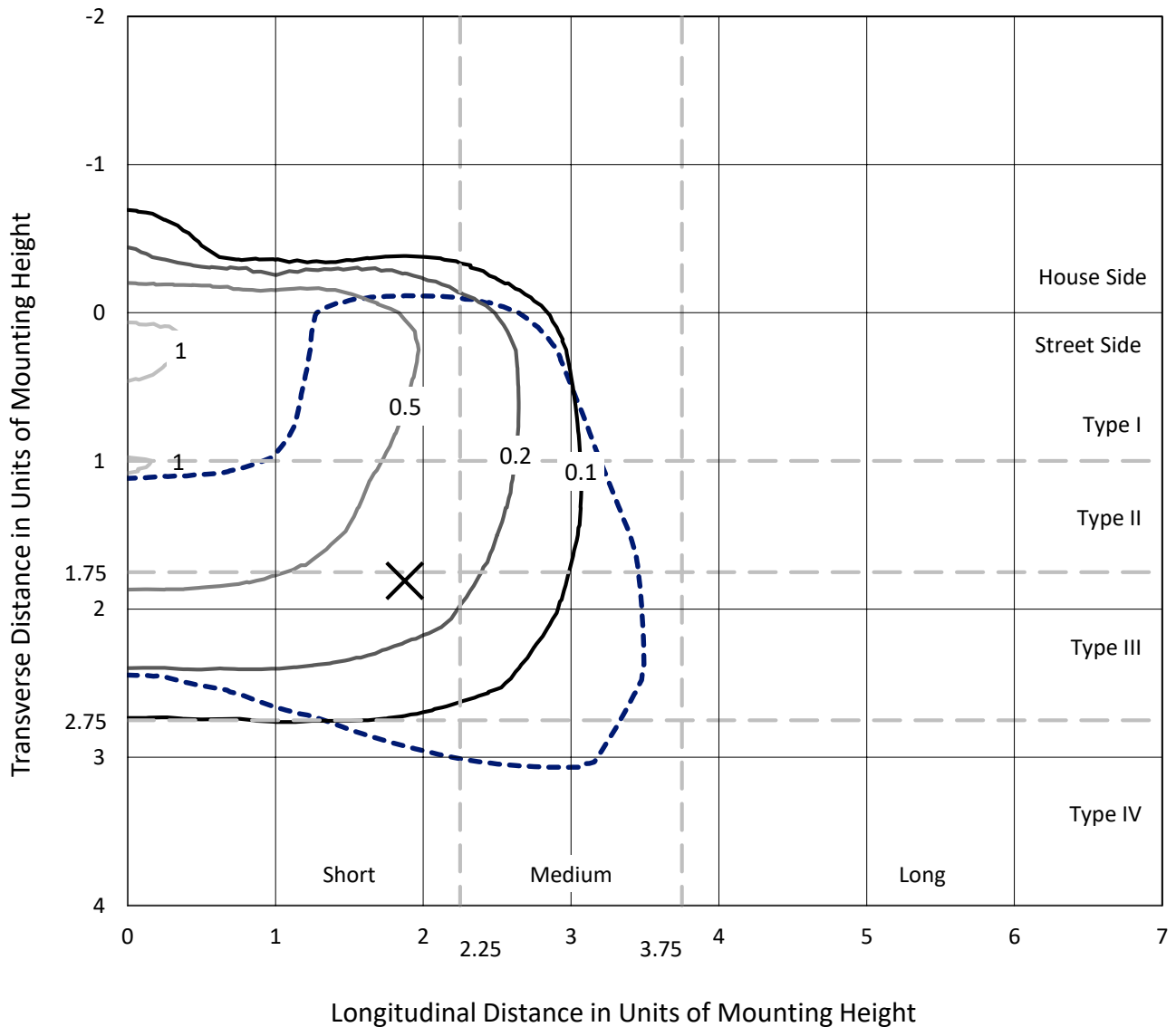
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

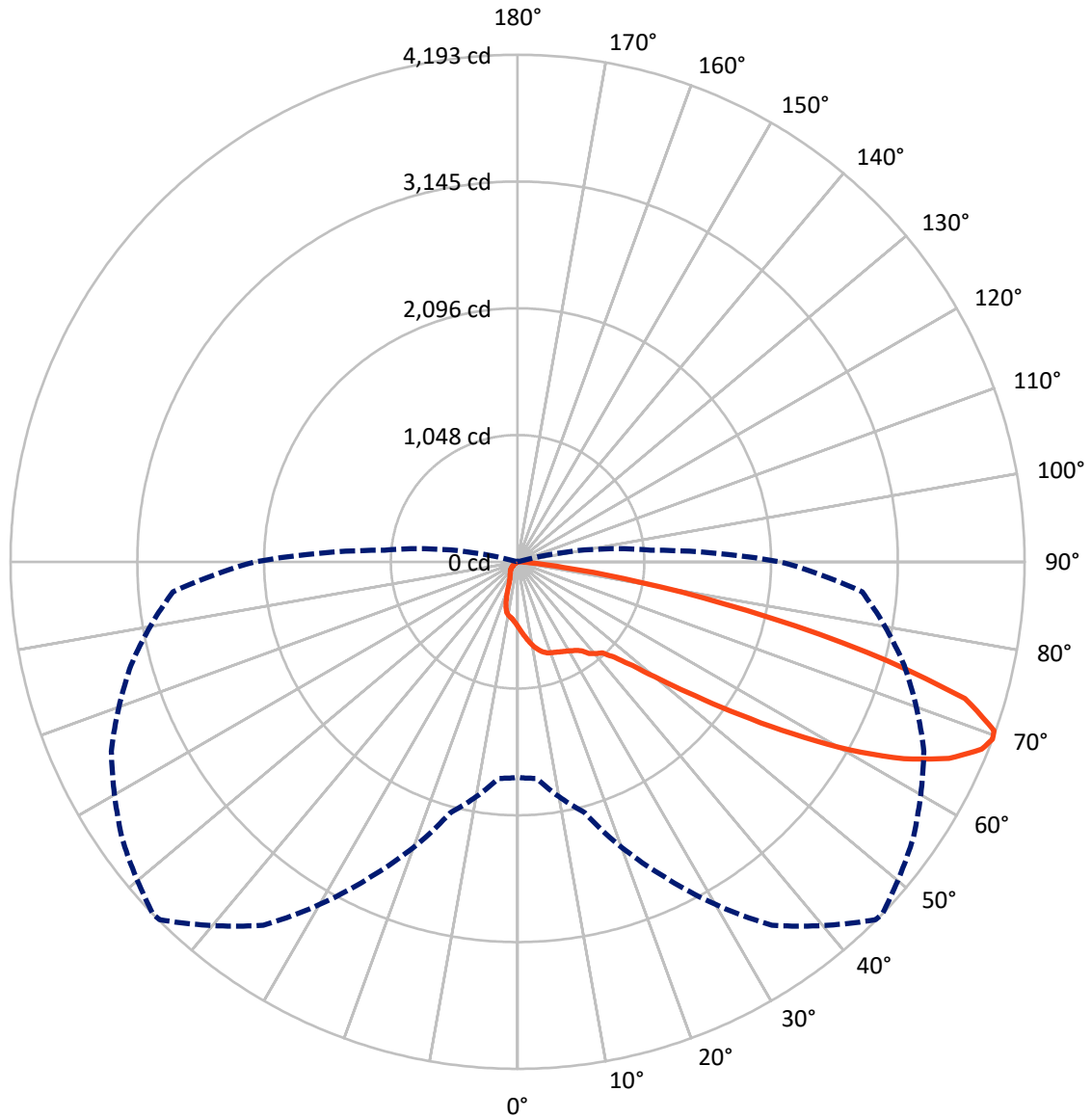
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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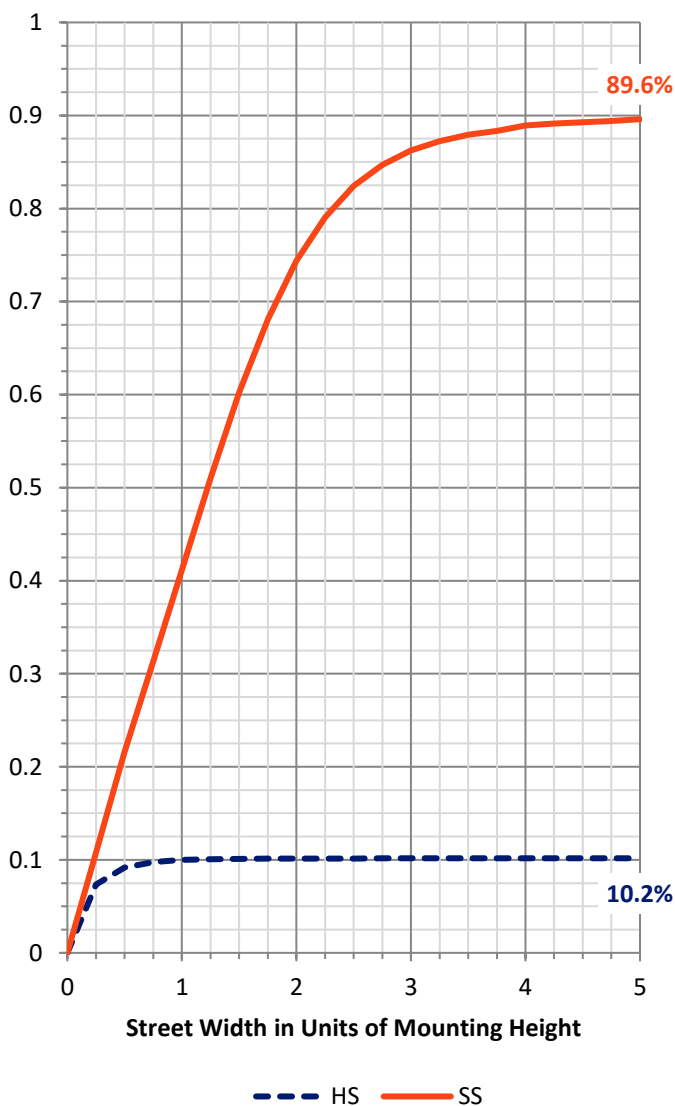
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	550.9	0.0	550.9
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	4817.1	0.0	4817.1
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	5368.0	0.0	5368.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.5	1.0
10°-20°	162.4	3.0
20°-30°	255.4	4.8
30°-40°	366.3	6.8
40°-50°	633.1	11.8
50°-60°	1250.7	23.3
60°-70°	1747.9	32.6
70°-80°	844.4	15.7
80°-90°	54.3	1.0
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°	5368.0	100.0
0°-180°	5368.0	100.0

**Coefficient of Utilization**

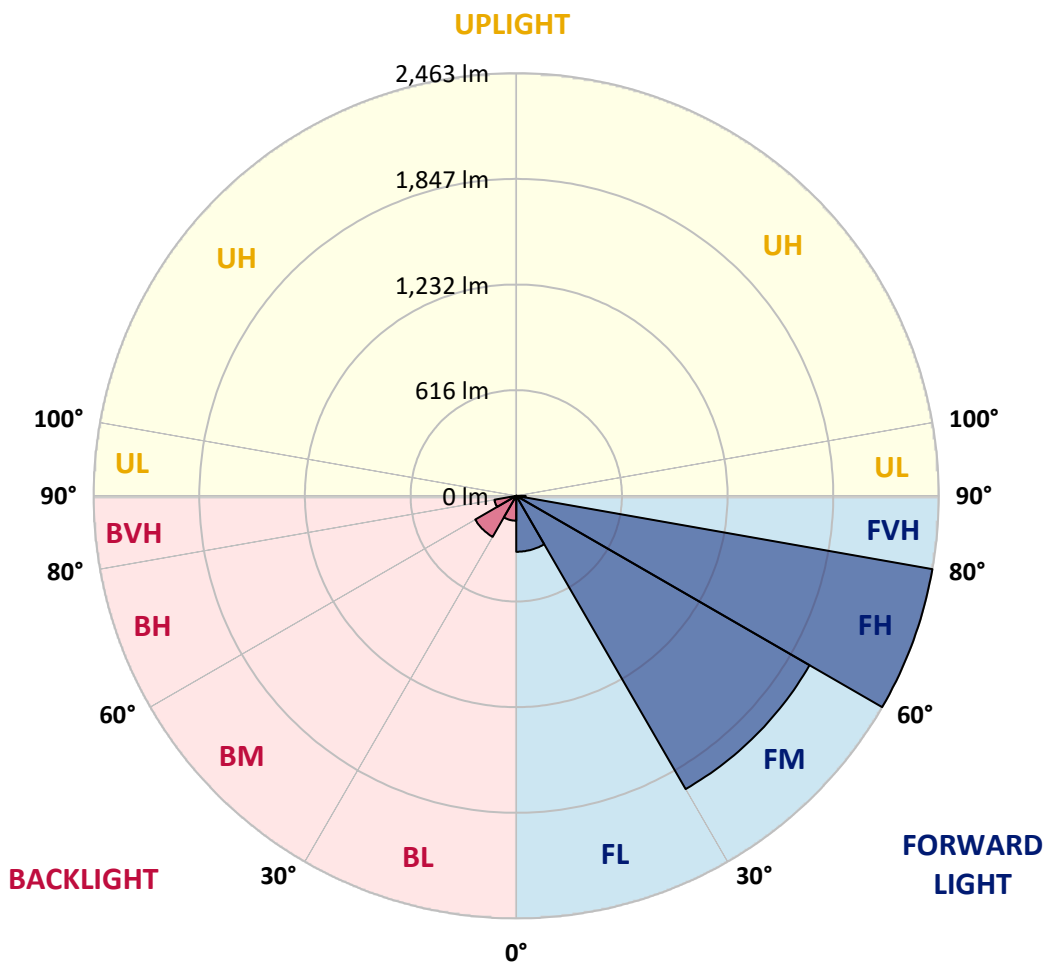


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.2	6.1			
FM (30°-60°)	1973.9	36.8			
FH (60°-80°)	2463.2	45.9			G2/5000
FVH (80°-90°)	53.8	1.0			G1/100
BL (0°-30°)	145.2	2.7	B1/500		
BM (30°-60°)	276.1	5.1	B1/1000		
BH (60°-80°)	129.2	2.4	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9
2.5°	597.5	596.7	593.2	591.7	583.2	578.1	576.1	569.8	560.8	551.7	541.6
5°	665.5	665.2	658.7	652.4	636.3	621.2	618.4	603.8	583.4	564.3	545.2
7.5°	734.9	731.7	725.1	713.0	689.6	665.5	663.2	642.6	613.6	585.9	558.5
10°	793.8	791.8	783.2	764.9	737.4	710.0	707.2	681.8	649.1	615.1	580.1
12.5°	839.6	838.1	826.8	803.9	774.7	746.2	742.5	719.8	684.8	646.8	605.6
15°	867.6	866.8	853.0	828.6	799.9	775.2	771.9	752.0	719.6	679.8	633.2
17.5°	874.1	874.4	860.0	835.3	811.7	794.1	791.6	776.5	749.3	709.8	660.9
20°	859.5	862.5	849.7	828.3	813.7	804.4	802.4	793.3	770.4	733.2	683.1
22.5°	838.9	840.4	831.6	817.2	811.2	812.9	811.9	806.9	787.5	753.3	705.0
25°	826.3	826.3	821.0	808.9	812.9	823.8	824.0	823.0	807.7	778.0	731.7
27.5°	825.8	824.3	818.2	809.2	820.2	836.9	837.9	844.7	835.1	807.9	764.9
30°	845.9	844.2	831.3	819.5	833.6	851.5	854.0	868.8	864.0	840.4	801.9
32.5°	893.0	886.7	858.3	838.9	849.4	870.8	874.1	897.8	905.3	880.4	837.6
35°	957.4	937.5	896.5	875.6	876.6	899.0	902.0	936.8	959.2	917.1	865.3
37.5°	1046.3	1036.4	969.7	913.9	918.4	952.4	961.2	998.9	992.7	937.3	896.8
40°	1241.1	1225.7	1154.7	1021.1	958.4	995.7	998.4	1018.6	1019.1	982.8	962.2
42.5°	1506.3	1500.1	1425.3	1215.6	1037.2	1024.6	1029.6	1063.6	1101.6	1079.0	1078.0
45°	1800.1	1796.8	1717.5	1473.9	1196.5	1119.5	1125.8	1171.3	1244.1	1249.1	1281.1
47.5°	2036.4	2034.9	1989.3	1762.1	1440.4	1280.3	1282.3	1330.7	1458.5	1521.7	1572.8
50°	2251.8	2259.1	2223.1	2073.9	1772.6	1532.3	1527.5	1559.7	1765.1	1868.5	1931.9
52.5°	2551.3	2561.7	2460.7	2364.8	2121.2	1844.9	1841.1	1874.8	2133.5	2211.1	2222.4
55°	2815.9	2798.2	2718.5	2690.8	2546.3	2230.9	2229.9	2259.6	2489.9	2522.9	2543.8
57.5°	2932.6	2925.9	2964.4	3027.8	2991.5	2687.3	2685.0	2662.3	2808.8	2812.3	2876.5
60°	3006.4	3014.7	3132.7	3328.3	3418.7	3178.3	3163.7	3025.5	3113.4	3105.6	3174.3
62.5°	2951.0	2967.4	3179.8	3505.7	3738.3	3606.9	3586.3	3358.2	3373.6	3346.7	3410.6
65°	2657.1	2682.5	3030.6	3472.3	3896.9	3941.9	3921.0	3652.0	3580.2	3535.9	3500.5
67.5°	2157.5	2172.6	2536.0	3181.1	3825.4	4141.7	4137.5	3909.4	3736.3	3504.0	3228.6
69°	1782.9	1797.8	2147.6	2874.5	3668.1	4184.5	4192.8	3992.0	3706.6	3309.7	2860.7
70°	1510.1	1526.0	1851.9	2611.7	3485.6	4164.7	4179.5	3984.2	3621.5	3084.7	2537.8
72.5°	792.1	805.6	1140.1	1799.3	2841.5	3824.1	3869.2	3647.4	3069.8	2240.3	1500.6
75°	248.9	256.7	445.2	940.6	1945.5	2973.4	2983.7	2861.2	2179.9	1232.3	624.9
77.5°	94.9	92.6	148.2	346.6	983.6	1872.3	1935.5	1788.0	1143.9	435.7	144.2
80°	51.1	51.3	77.0	143.5	420.8	962.2	1015.6	866.6	406.5	135.9	33.2
82.5°	22.1	23.2	43.3	76.0	193.3	354.9	381.6	317.6	155.3	91.4	12.3
85°	4.8	5.3	20.9	41.3	78.8	99.7	104.4	102.9	98.9	71.0	4.8
87.5°	0.0	0.0	9.3	14.8	19.9	22.7	19.9	25.9	54.6	47.8	2.5
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°	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9	537.9
2.5°	538.4	533.8	526.0	517.5	511.4	505.1	500.1	497.8	495.3	493.6	495.8
5°	537.4	528.5	513.4	498.8	488.3	479.7	472.7	469.9	467.1	465.1	464.9
7.5°	546.2	533.8	510.7	489.3	472.9	461.3	451.8	447.7	444.5	443.0	441.7
10°	563.0	547.2	516.2	488.3	467.1	447.5	426.9	411.0	400.7	395.9	394.1
12.5°	584.9	565.0	526.8	493.6	462.9	425.1	381.3	343.6	319.1	311.1	306.3
15°	610.6	585.9	540.6	500.4	447.2	378.3	304.0	254.7	232.1	227.5	222.5
17.5°	635.3	608.1	557.2	501.6	413.0	302.3	222.7	189.3	180.5	183.5	184.2
20°	656.9	630.0	573.6	490.5	350.9	226.8	172.4	164.1	167.4	173.2	174.2
22.5°	678.8	651.1	588.7	461.3	271.3	172.2	155.3	157.3	160.6	166.4	167.4
25°	705.5	676.8	602.8	407.7	203.6	146.5	147.5	150.5	153.8	159.1	159.6
27.5°	736.2	709.3	612.1	338.0	151.0	134.7	137.9	142.5	145.7	150.8	151.8
30°	777.0	752.0	615.1	265.8	126.6	124.1	125.6	131.1	135.9	140.4	141.2
32.5°	815.2	794.3	605.1	200.6	117.3	114.3	114.3	117.5	123.1	127.4	128.4
35°	850.4	836.9	572.8	146.7	110.2	105.2	102.7	102.7	106.2	109.7	110.7
37.5°	897.0	896.5	520.7	117.0	103.4	97.7	92.4	88.3	87.1	87.8	88.3
40°	976.8	977.5	452.8	105.0	97.7	89.9	81.8	74.5	67.7	65.4	65.2
42.5°	1101.4	1090.1	381.6	99.2	92.6	81.8	69.7	59.9	49.3	46.1	45.8
45°	1299.2	1232.0	306.1	93.9	87.3	72.7	57.6	44.3	35.7	33.2	33.2
47.5°	1587.4	1418.5	237.1	88.1	80.3	62.4	43.5	32.0	26.2	24.9	25.2
50°	1885.4	1601.2	181.7	80.8	71.7	51.6	32.2	23.2	19.9	19.9	20.1
52.5°	2149.7	1735.1	141.7	73.0	61.2	40.5	24.4	18.1	16.6	16.4	16.6
55°	2397.1	1821.5	108.5	63.9	48.6	30.2	18.6	14.8	13.8	13.3	13.1
57.5°	2635.7	1864.2	81.3	51.6	35.2	21.9	14.8	12.6	11.6	10.8	10.6
60°	2794.5	1829.5	55.9	38.0	24.4	15.9	12.3	10.8	9.6	8.8	8.6
62.5°	2884.1	1734.6	36.0	27.4	17.4	11.8	9.8	9.1	7.3	6.5	6.5
65°	2847.8	1578.1	25.2	19.6	12.6	8.8	7.3	7.3	5.3	4.3	4.0
67.5°	2523.7	1333.2	19.1	14.6	9.1	6.5	5.5	6.3	3.3	2.0	2.0
69°	2171.3	1104.9	16.4	12.1	7.6	5.3	4.8	5.8	2.3	1.5	1.3
70°	1887.1	953.1	14.8	10.6	6.3	4.5	4.3	5.5	2.3	1.3	1.0
72.5°	1129.1	531.6	11.3	7.6	4.0	3.5	3.5	6.3	2.3	1.3	1.0
75°	456.3	187.3	8.3	5.3	3.0	3.0	4.3	8.1	2.0	1.0	0.8
77.5°	103.4	41.0	4.8	3.3	2.0	3.0	5.0	6.3	1.3	0.5	0.0
80°	25.2	10.1	3.0	2.0	1.3	2.3	3.8	3.5	0.3	0.0	0.0
82.5°	8.3	3.5	1.3	1.0	0.3	0.8	1.8	1.0	0.0	0.0	0.0
85°	3.5	2.0	0.5	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.3	0.8	0.0	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)