

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: P318722

Luminaire Tested: **GAN-SA8B-740-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318722  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8B-740-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46074 lumens  
Efficiency: N/A  
Efficacy: 137.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 334  
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

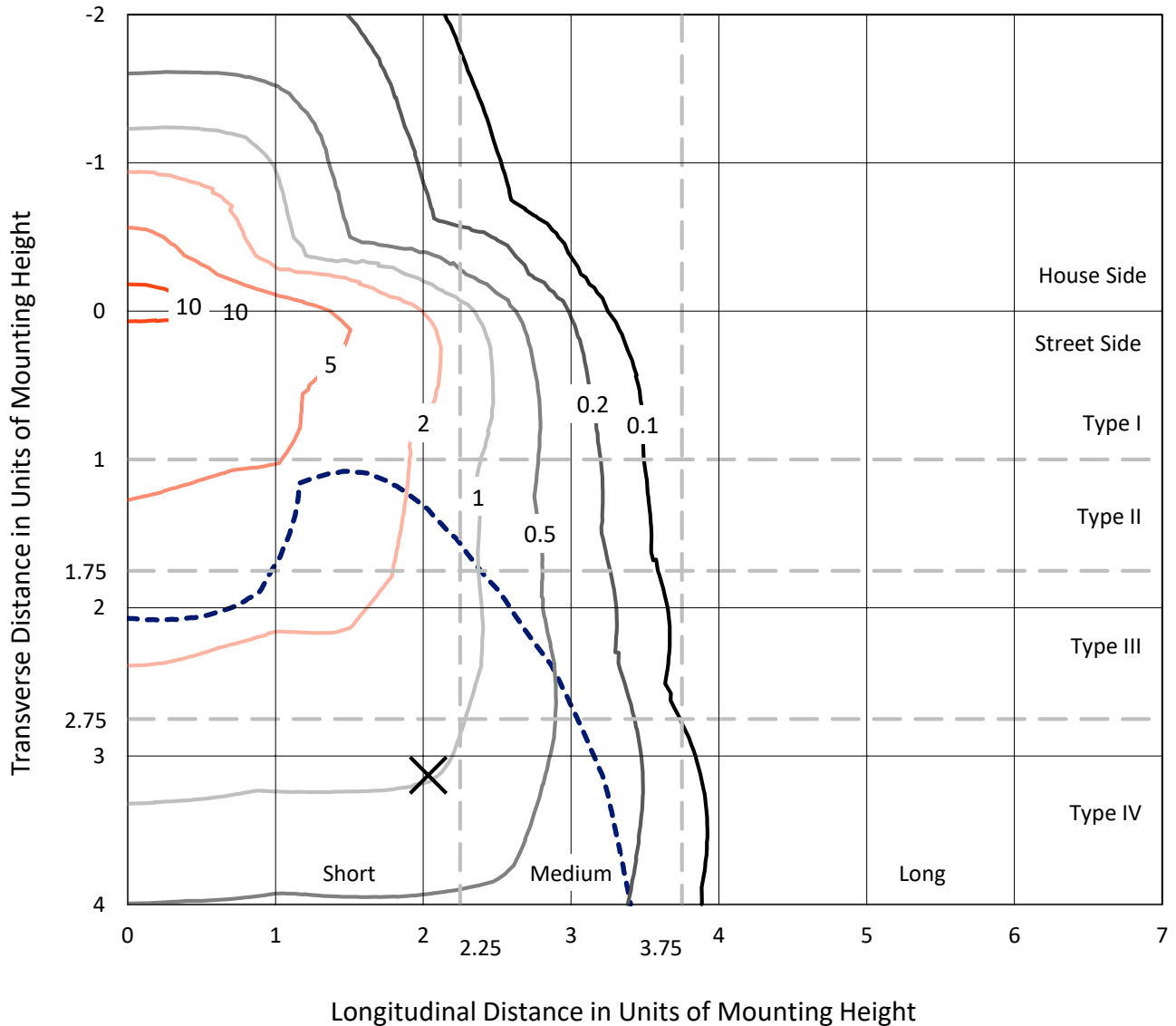




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### Iso-Footcandle Lines of Horizontal Illumination

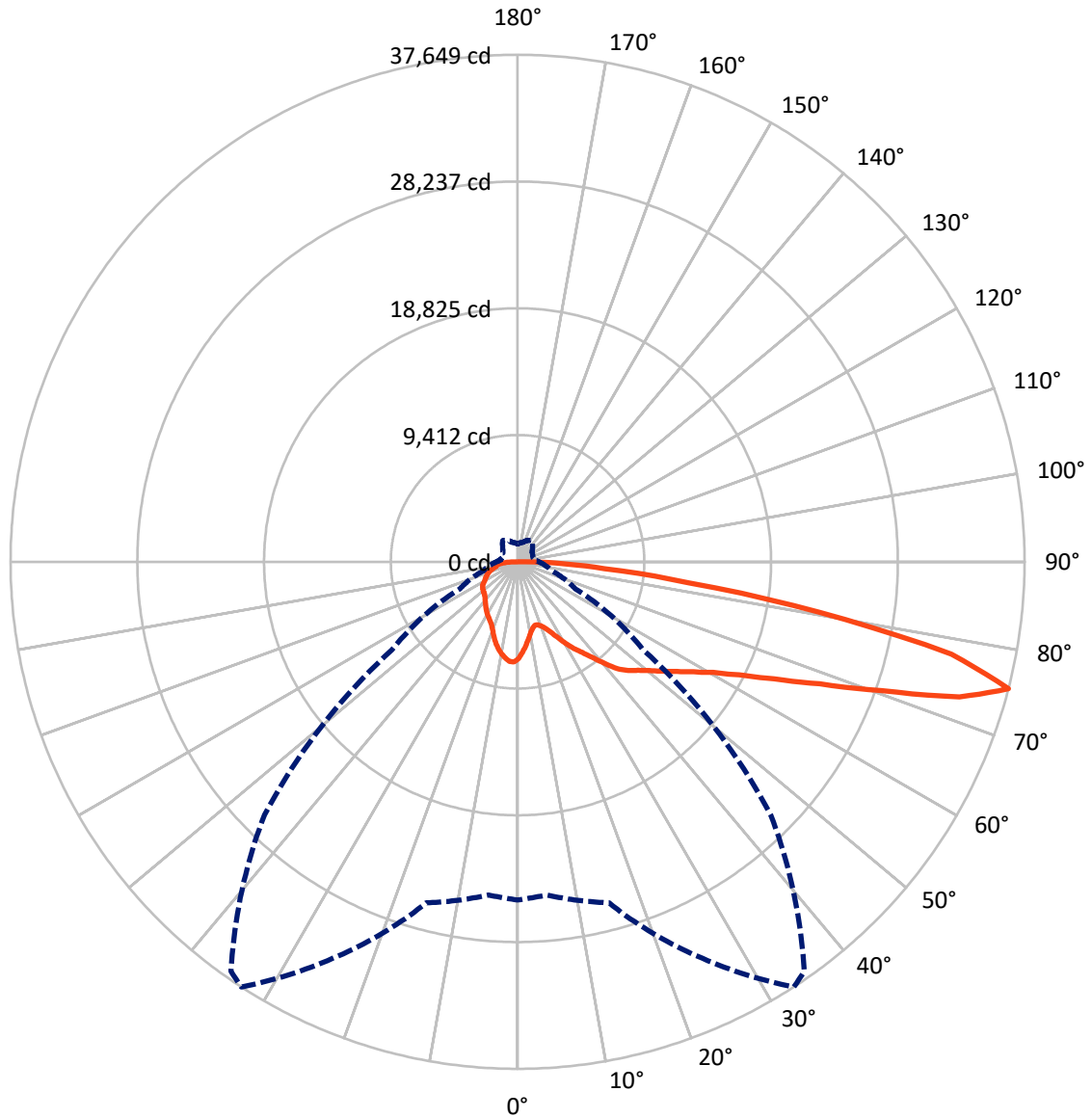
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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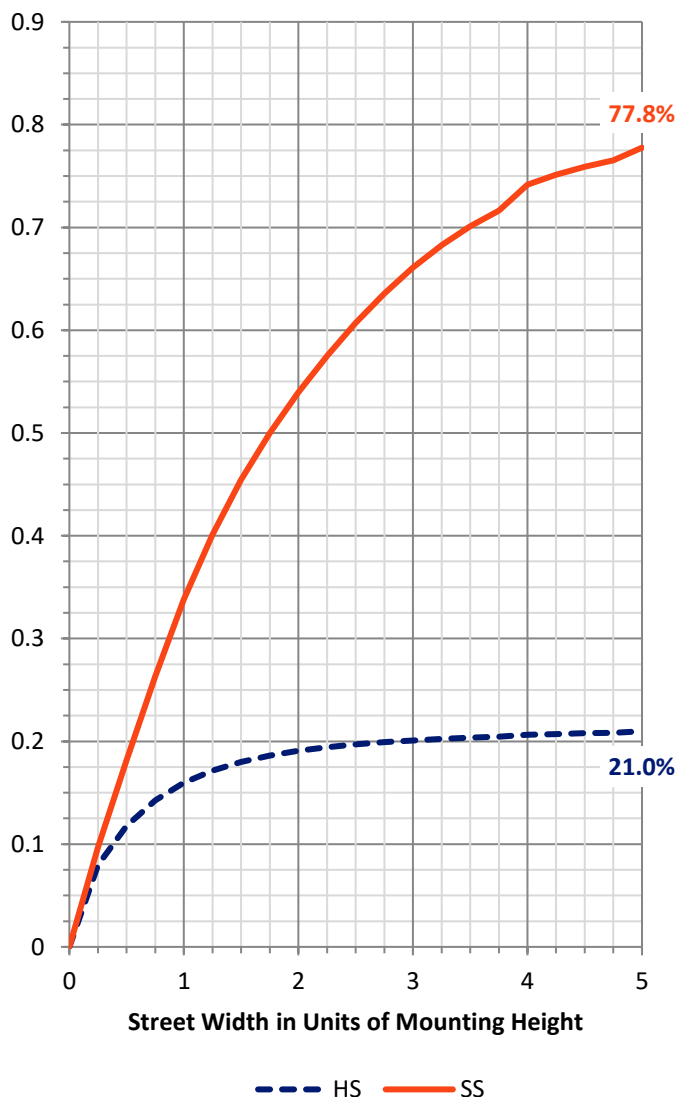
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9893.3	0.0	9893.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	36180.7	0.0	36180.7
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	46074.0	0.0	46074.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	651.3	1.4
10°-20°	1764.0	3.8
20°-30°	2880.9	6.3
30°-40°	4290.3	9.3
40°-50°	6153.4	13.4
50°-60°	8447.7	18.3
60°-70°	10576.1	23.0
70°-80°	9567.7	20.8
80°-90°	1742.8	3.8
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°	46074.0	100.0
0°-180°	46074.0	100.0

**Coefficient of Utilization**

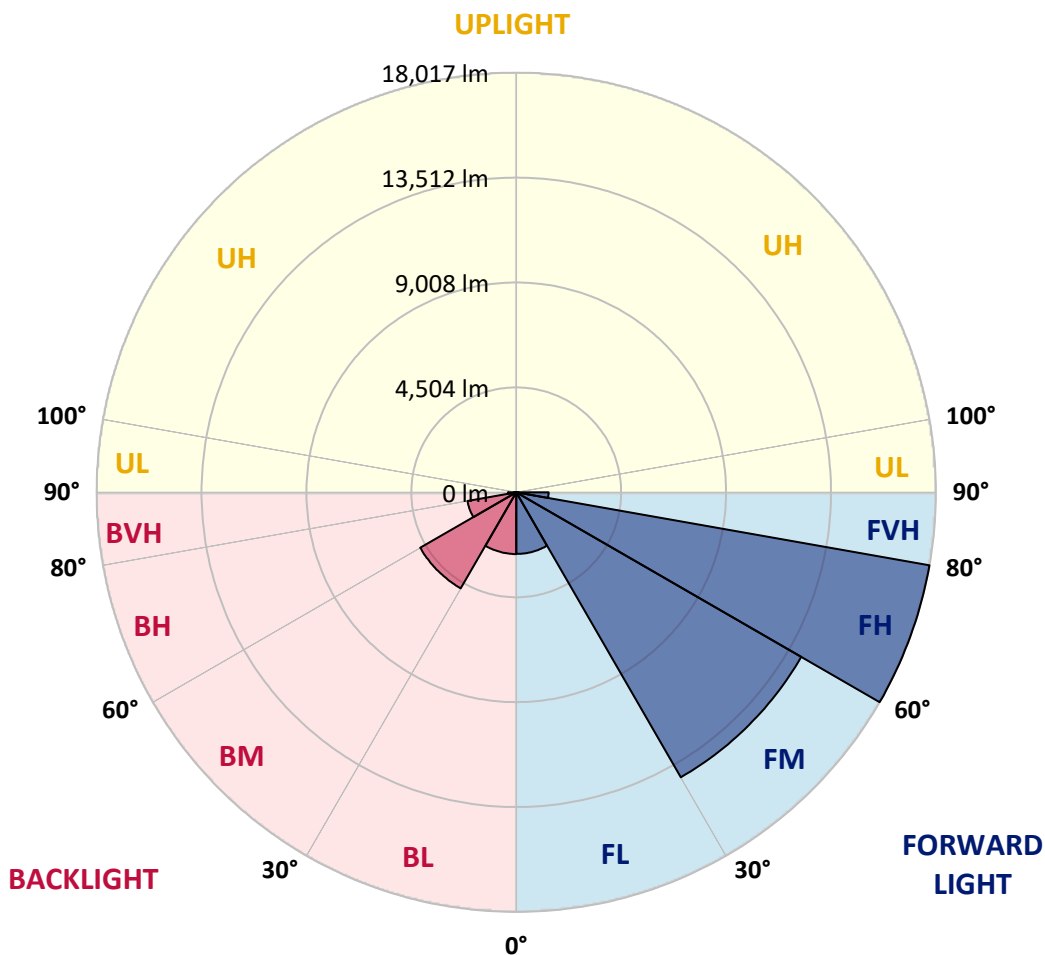


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.2	5.7			
FM (30°-60°)	14129.9	30.7			
FH (60°-80°)	18016.5	39.1			G5
FVH (80°-90°)	1388.0	3.0			G5
BL (0°-30°)	2649.9	5.8	B4/5000		
BM (30°-60°)	4761.4	10.3	B3/5000		
BH (60°-80°)	2127.2	4.6	B3/2500		G3/2500
BVH (80°-90°)	354.8	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6
2.5°	6687.6	6662.1	6709.8	6716.2	6757.6	6773.5	6830.8	6919.9	6993.1	7077.5	7153.9
5°	6081.2	6063.7	6130.5	6178.3	6269.0	6307.2	6442.5	6631.9	6800.6	6991.5	7165.0
7.5°	5505.1	5495.5	5570.3	5678.5	5783.6	5836.1	6070.1	6345.4	6627.1	6935.8	7201.6
10°	5019.7	5016.5	5088.1	5194.7	5349.1	5408.0	5710.4	6073.2	6467.9	6892.9	7263.7
12.5°	4747.5	4758.6	4792.1	4881.2	5024.4	5083.3	5419.1	5845.7	6334.2	6878.5	7354.4
15°	4814.3	4831.9	4774.6	4771.4	4873.2	4919.4	5234.5	5683.3	6238.8	6902.4	7486.5
17.5°	5099.2	5102.4	4951.2	4855.7	4917.8	4941.7	5177.2	5591.0	6183.1	6956.5	7652.0
20°	5500.3	5492.3	5225.0	5065.8	5099.2	5105.6	5258.4	5592.6	6178.3	7050.4	7866.9
22.5°	6031.9	5973.0	5613.3	5396.8	5388.9	5379.3	5466.9	5710.4	6248.3	7203.2	8123.1
25°	6725.8	6670.1	6175.1	5879.1	5815.4	5791.5	5804.3	5961.8	6386.8	7367.1	8409.6
27.5°	7497.6	7400.6	6923.1	6504.5	6372.4	6339.0	6262.6	6316.7	6538.0	7524.7	8750.2
30°	8143.8	8091.3	7674.3	7177.8	7021.8	6974.0	6773.5	6714.6	6756.0	7739.6	9179.9
32.5°	8505.1	8470.1	8217.0	7816.0	7671.1	7604.3	7321.0	7203.2	7106.1	8078.6	9762.4
35°	8942.7	8920.5	8767.7	8476.4	8261.6	8191.5	7971.9	7849.4	7599.5	8544.9	10515.2
37.5°	9499.8	9475.9	9479.1	9243.5	8987.3	8922.1	8777.2	8648.3	8239.3	9157.6	11333.2
40°	10130.0	10083.9	10066.4	10055.2	9892.9	9856.3	9779.9	9604.8	9041.4	9889.7	12140.1
42.5°	11078.6	10914.6	10564.5	10696.6	10857.3	10838.2	10900.3	10648.9	9932.7	10755.5	12927.9
45°	11993.7	11724.7	11119.9	11148.6	11500.3	11606.9	12071.7	11893.4	10898.7	11704.0	13742.8
47.5°	12410.7	12207.0	11692.9	11694.5	12043.0	12264.2	13282.8	13155.5	11914.1	12781.5	14737.5
50°	12877.0	12673.3	12211.7	12385.2	12689.2	12924.7	14452.6	14387.3	12880.2	13960.8	15929.5
52.5°	13386.3	13040.9	12748.1	13058.4	13484.9	13758.7	15623.9	15445.7	13766.6	15148.1	17299.8
55°	13392.6	13298.7	13521.5	13749.1	14387.3	14723.1	16851.0	16379.9	14489.2	16314.7	18415.5
57.5°	14155.0	14002.2	14474.9	14579.9	15413.9	15792.6	18071.7	17193.2	15224.5	17209.1	19017.1
60°	15164.0	15033.5	15420.2	15697.2	16683.9	17190.0	19375.2	18028.7	15802.2	17883.9	18988.4
62.5°	16906.7	16758.7	16753.9	17142.3	18471.2	19060.0	20837.8	18848.4	16031.4	18017.6	18178.3
65°	19457.9	19222.4	18778.3	18963.0	20939.6	21526.9	22472.3	19442.0	15729.0	17301.4	16091.9
67.5°	21940.7	21932.7	21386.8	21765.6	24199.0	24670.1	24334.3	19500.9	14785.2	14807.5	12390.0
70°	24415.5	24447.3	24355.0	25672.8	28602.8	29093.0	26317.4	18709.9	12663.7	10693.4	7422.8
72.5°	26376.2	26368.3	26833.0	30230.9	34317.9	34208.1	27988.5	16313.1	9092.3	5772.4	3547.5
75°	25106.2	24829.3	26213.9	32487.7	37649.0	37112.6	26567.2	11379.4	4718.9	2627.6	1909.8
77.5°	16375.1	16637.7	18670.1	26837.8	32931.7	32279.2	19491.3	5309.3	2223.4	1723.6	1384.6
80°	5930.0	6206.9	8742.2	15202.2	22688.7	22582.1	9598.5	2182.0	1504.0	1301.9	1009.0
82.5°	2040.3	2142.2	3448.8	6751.2	12810.1	13287.6	3611.2	1239.8	1093.4	923.1	690.7
85°	800.5	916.7	1577.2	3248.3	6461.6	6509.3	1462.6	741.6	760.7	604.8	378.8
87.5°	304.0	369.2	754.4	1508.8	2950.7	2710.4	523.6	353.3	432.9	359.7	179.8
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°	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6	7201.6
2.5°	7212.8	7246.2	7316.2	7364.0	7414.9	7429.2	7435.6	7448.3	7461.0	7456.3	7457.9
5°	7257.3	7322.6	7435.6	7483.3	7505.6	7480.1	7430.8	7391.0	7362.4	7346.5	7341.7
7.5°	7330.5	7422.8	7543.8	7535.8	7484.9	7371.9	7244.6	7149.1	7069.5	7040.9	7025.0
10°	7427.6	7535.8	7620.2	7529.5	7381.5	7185.7	6994.7	6846.7	6727.4	6681.2	6673.2
12.5°	7551.8	7661.6	7677.5	7484.9	7239.8	6972.4	6713.0	6517.3	6339.0	6281.7	6269.0
15°	7712.5	7816.0	7717.3	7406.9	7064.8	6705.1	6369.3	6103.5	5915.7	5845.7	5820.2
17.5°	7881.2	7979.9	7725.2	7278.0	6835.6	6388.4	5966.6	5694.5	5479.6	5398.4	5388.9
20°	8083.3	8127.9	7691.8	7093.4	6520.5	5977.7	5533.7	5277.5	5162.9	5105.6	5099.2
22.5°	8333.2	8285.4	7615.4	6843.5	6121.0	5503.5	5142.2	5022.8	4994.2	4981.5	4986.2
25°	8597.4	8451.0	7502.4	6517.3	5616.5	5029.2	4855.7	4889.1	4927.3	4922.6	4922.6
27.5°	8888.6	8619.7	7328.9	6084.4	5057.8	4640.9	4661.6	4784.1	4841.4	4839.8	4838.2
30°	9262.6	8810.7	7107.7	5564.0	4535.8	4367.1	4492.9	4642.5	4720.4	4717.3	4718.9
32.5°	9722.6	9020.7	6806.9	4983.0	4158.6	4165.0	4309.8	4457.8	4548.6	4540.6	4542.2
35°	10260.5	9256.3	6399.5	4410.1	3908.8	4004.3	4118.9	4222.3	4308.2	4297.1	4286.0
37.5°	10846.2	9487.0	5858.4	3897.6	3705.1	3854.7	3950.2	3967.7	4007.4	3978.8	3958.1
40°	11403.2	9663.7	5161.3	3477.5	3499.8	3727.3	3789.4	3719.4	3647.8	3638.2	3609.6
42.5°	11888.6	9722.6	4456.3	3141.7	3283.3	3593.7	3631.8	3485.4	3356.5	3296.0	3270.6
45°	12401.1	9743.3	3799.0	2860.0	3074.8	3474.3	3515.7	3319.9	3138.5	3008.0	2965.0
47.5°	13071.1	9892.9	3288.1	2651.5	2915.7	3394.7	3453.6	3187.8	2952.3	2766.1	2726.3
50°	13948.1	10188.9	2872.7	2492.3	2812.2	3342.2	3409.0	3058.9	2799.5	2575.1	2535.3
52.5°	14922.1	10461.1	2536.9	2363.4	2711.9	3249.9	3351.7	2966.6	2656.2	2398.4	2355.4
55°	15603.3	10252.6	2266.3	2229.7	2581.4	3117.8	3272.2	2888.6	2450.9	2226.5	2188.3
57.5°	15733.8	9539.6	2061.0	2091.3	2423.9	2952.3	3149.6	2715.1	2339.5	2151.7	2111.9
60°	15377.3	8546.5	1908.2	1963.9	2255.2	2743.8	2920.4	2592.6	2232.9	2072.2	2038.7
62.5°	14481.2	7529.5	1795.2	1849.3	2097.6	2532.1	2777.2	2463.7	2124.7	1981.4	1948.0
65°	12671.7	6321.5	1687.0	1747.5	1951.2	2349.1	2648.3	2344.3	2018.0	1908.2	1876.4
67.5°	9565.0	4734.8	1585.2	1639.3	1820.7	2189.9	2508.2	2226.5	1914.6	1844.6	1806.4
70°	5632.4	2965.0	1469.0	1526.3	1683.8	2024.4	2358.6	2097.6	1785.7	1753.9	1704.5
72.5°	2621.2	1784.1	1336.9	1392.6	1511.9	1803.2	2166.1	1928.9	1632.9	1562.9	1496.0
75°	1564.5	1305.0	1180.9	1230.2	1314.6	1567.6	1924.1	1757.0	1488.1	1395.8	1325.7
77.5°	1169.8	997.9	1009.0	1061.5	1130.0	1371.9	1704.5	1621.8	1376.7	1305.0	1257.3
80°	841.9	757.6	822.8	880.1	951.7	1247.8	1632.9	1499.2	1244.6	1149.1	1104.5
82.5°	561.8	544.3	619.1	678.0	748.0	1091.8	1534.2	1313.0	1063.1	942.2	843.5
85°	310.3	327.9	417.0	442.4	502.9	768.7	1257.3	1055.2	800.5	644.6	615.9
87.5°	128.9	151.2	224.4	216.4	267.4	458.4	827.6	636.6	509.3	380.4	296.0
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)