

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: P319689

Luminaire Tested: **GAN-SA5C-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319689
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-SA5C-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 35355 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

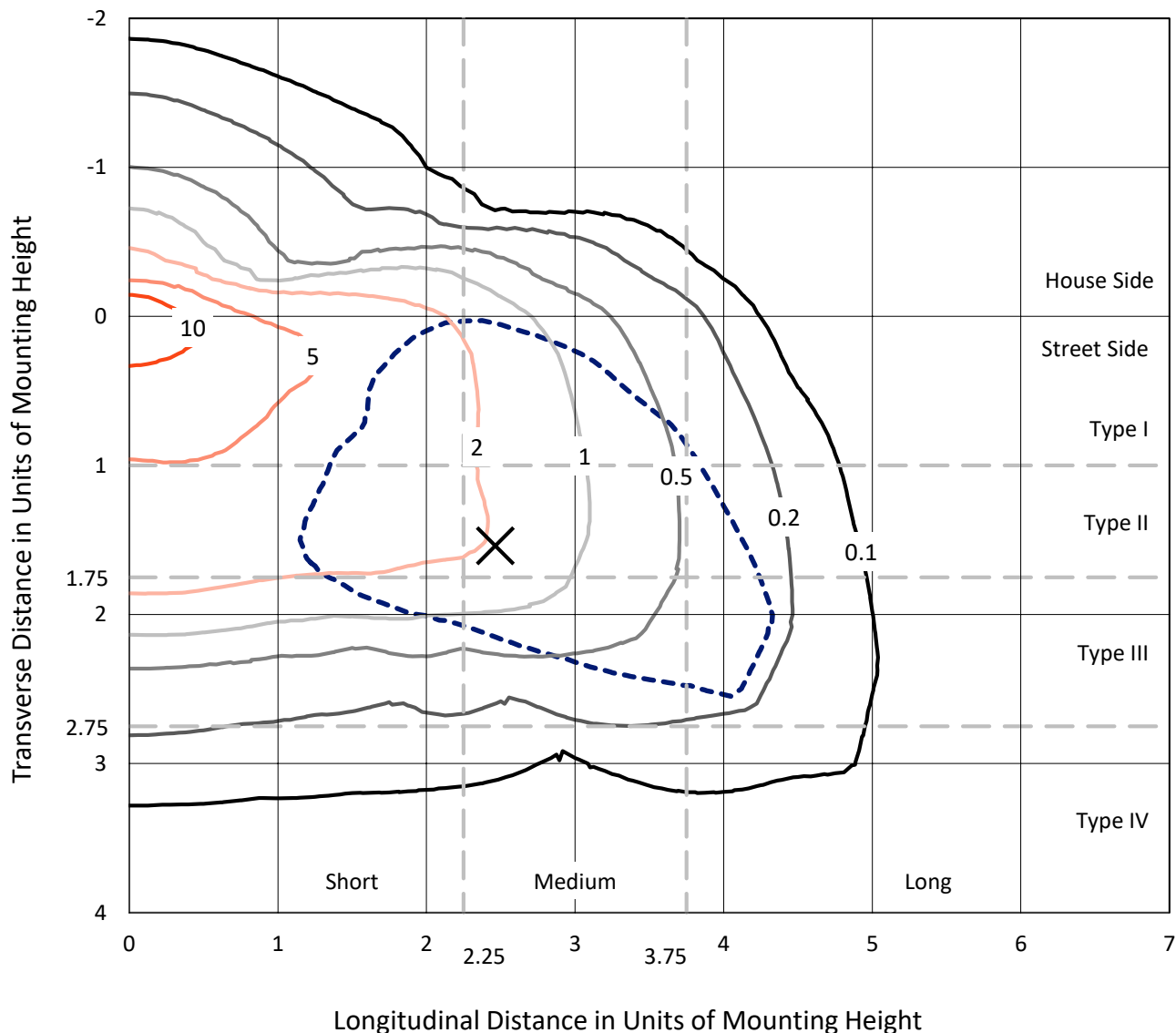
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319689
 CATALOG NUMBER: GAN-SA5C-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

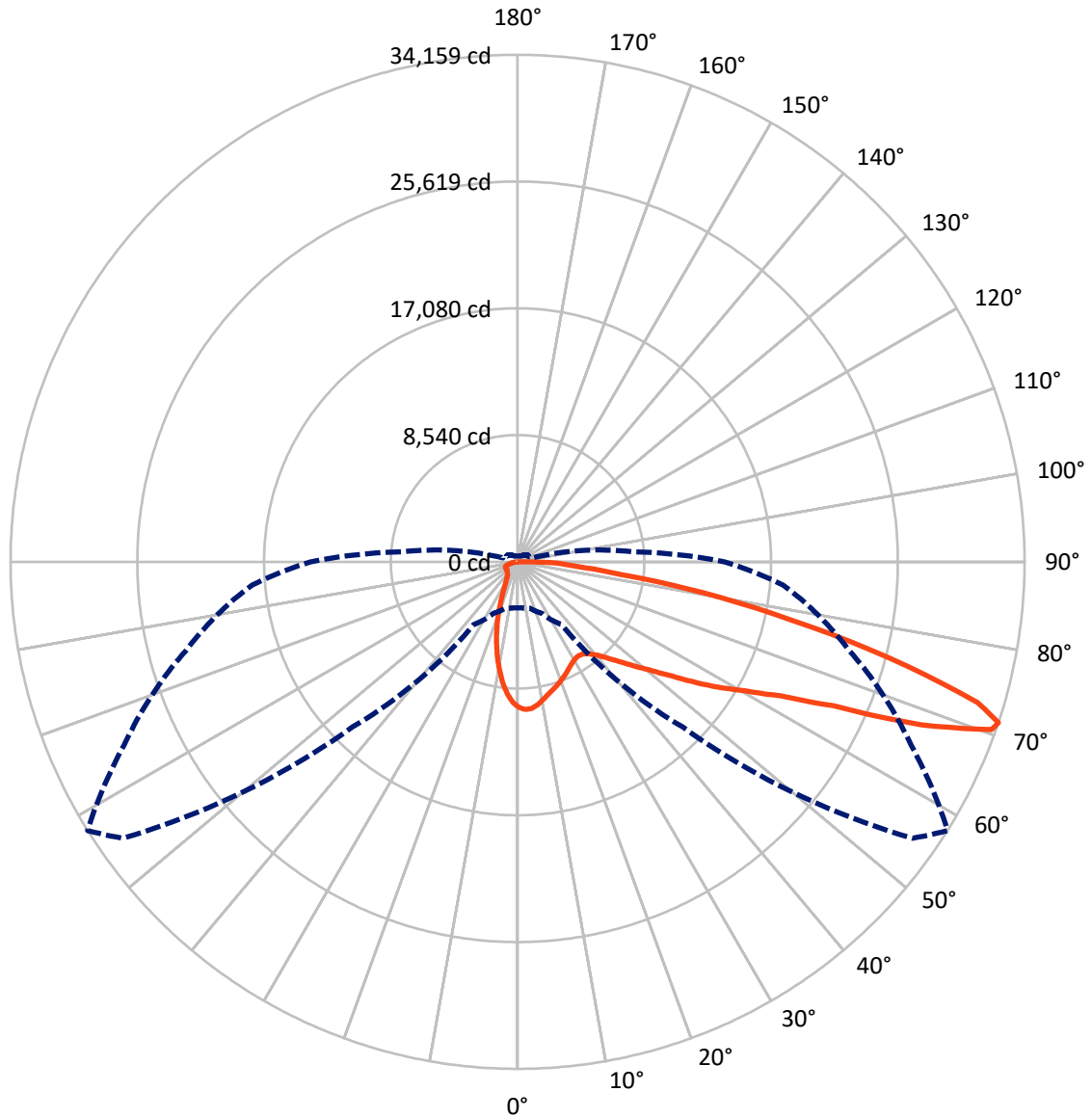
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P319689
CATALOG NUMBER: GAN-SA5C-740-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P319689
 CATALOG NUMBER: GAN-SA5C-740-U-SL3

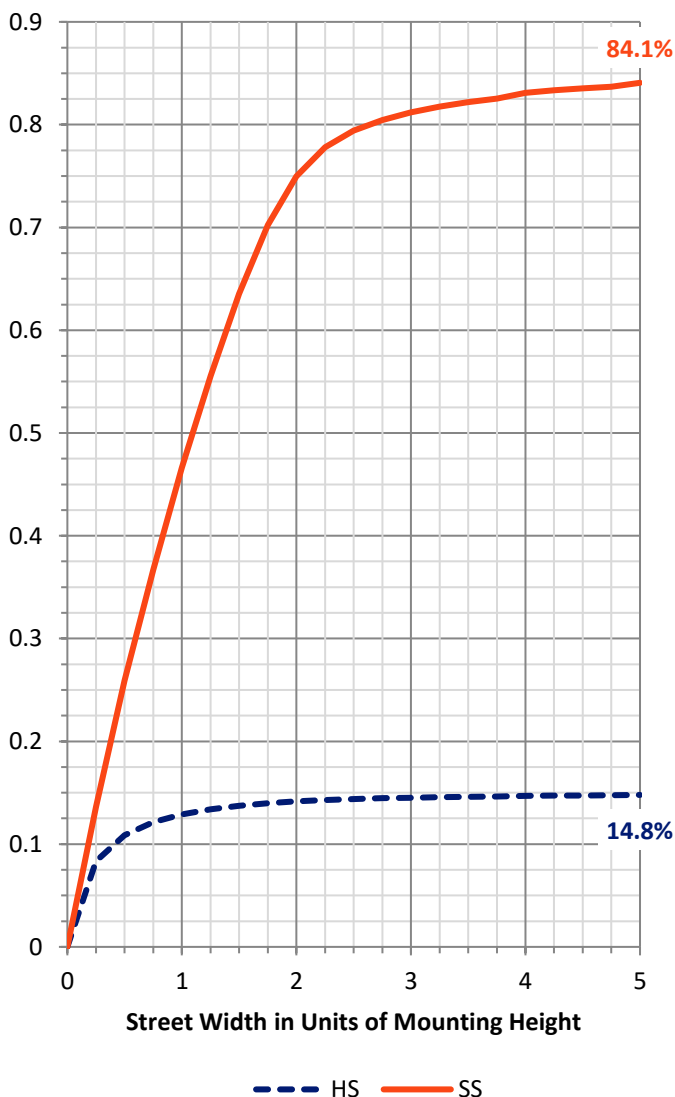
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5285.8	0.0	5285.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	30069.2	0.0	30069.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	35355.0	0.0	35355.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.1	2.4
10°-20°	1879.1	5.3
20°-30°	2388.2	6.8
30°-40°	3042.1	8.6
40°-50°	4313.8	12.2
50°-60°	6675.7	18.9
60°-70°	9088.2	25.7
70°-80°	6062.9	17.1
80°-90°	1060.0	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°	35355.0	100.0
0°-180°	35355.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319689

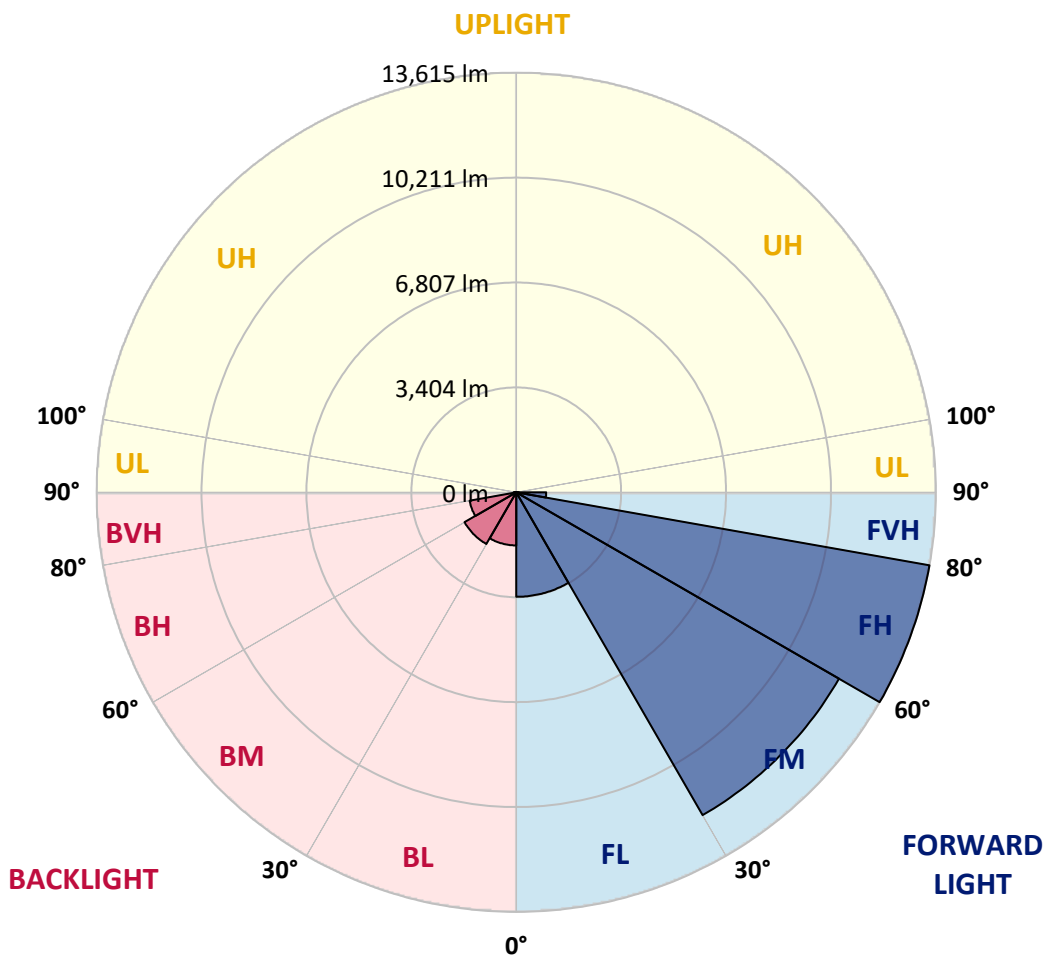
CATALOG NUMBER: GAN-SA5C-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3389.4	9.6			
FM (30°-60°)	12093.1	34.2			
FH (60°-80°)	13614.8	38.5			G5
FVH (80°-90°)	971.9	2.7			G5
BL (0°-30°)	1723.0	4.9	B3/2500		
BM (30°-60°)	1938.5	5.5	B2/2500		
BH (60°-80°)	1536.3	4.3	B3/2500		G3/2500
BVH (80°-90°)	88.1	0.2			G1/100
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 Medium





REPORT NUMBER: P319689

CATALOG NUMBER: GAN-SA5C-740-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7
2.5°	10055.6	10042.0	10046.9	10037.1	10013.7	9990.3	9955.8	9962.0	9913.9	9842.5	9753.8
5°	9865.9	9861.0	9897.9	9918.9	9936.1	9922.5	9912.7	9925.0	9854.8	9756.3	9602.3
7.5°	9468.1	9413.9	9460.7	9530.9	9597.4	9647.9	9714.4	9723.0	9678.7	9575.3	9373.3
10°	8902.8	8851.1	8920.1	9029.7	9162.7	9283.4	9417.6	9442.2	9450.9	9357.3	9112.2
12.5°	8316.6	8277.2	8346.2	8500.1	8720.6	8906.5	9120.8	9157.8	9234.1	9171.3	8870.8
15°	7792.0	7777.2	7860.9	8012.4	8266.1	8550.6	8859.7	8927.5	9056.8	9035.8	8682.4
17.5°	7338.8	7335.1	7399.1	7558.0	7838.8	8198.4	8599.9	8714.4	8906.5	8931.2	8527.2
20°	7001.3	6993.9	7038.3	7155.3	7444.7	7852.3	8319.1	8476.7	8753.8	8840.0	8367.1
22.5°	6820.3	6819.1	6820.3	6875.7	7112.2	7491.5	8045.7	8237.8	8604.8	8767.4	8189.8
25°	6789.5	6785.8	6758.7	6752.6	6886.8	7189.8	7774.7	7986.6	8463.2	8716.9	8021.0
27.5°	6869.6	6874.5	6838.8	6780.9	6808.0	6991.5	7539.5	7766.1	8349.9	8707.0	7904.0
30°	7035.8	7033.3	7002.6	6942.2	6889.3	6917.6	7372.0	7598.6	8273.5	8750.1	7824.0
32.5°	7219.3	7232.9	7226.7	7193.4	7114.6	7001.3	7321.5	7543.2	8251.3	8853.6	7789.5
35°	7439.8	7454.5	7498.9	7524.7	7432.4	7250.1	7429.9	7622.0	8315.4	9048.2	7844.9
37.5°	7649.1	7687.3	7811.7	7921.3	7842.5	7639.3	7718.1	7854.8	8513.7	9354.8	7994.0
40°	7890.5	7923.8	8127.0	8359.7	8347.4	8136.8	8182.4	8273.5	8863.4	9794.5	8263.7
42.5°	8128.2	8194.7	8489.0	8819.1	8913.9	8728.0	8800.6	8848.6	9356.0	10377.0	8734.1
45°	8444.7	8516.1	8925.0	9322.8	9544.5	9439.8	9555.5	9574.0	9975.5	11170.1	9417.6
47.5°	8923.8	9005.0	9481.7	9899.1	10237.8	10248.9	10439.8	10432.4	10748.9	12077.7	10278.5
50°	9670.1	9787.1	10177.5	10567.9	10979.2	11208.3	11463.2	11427.5	11676.3	13044.5	11269.9
52.5°	10647.9	10702.1	10991.5	11279.7	11790.8	12304.4	12670.1	12638.1	12728.0	14038.4	12395.5
55°	11661.5	11702.1	11821.6	11979.2	12666.4	13503.9	14277.3	14226.8	13999.0	15070.4	13507.6
57.5°	12572.8	12655.3	12737.9	12803.1	13548.2	14757.6	15921.4	15925.1	15378.3	16183.7	14656.6
60°	12714.5	12787.1	13332.7	13847.5	15056.9	16430.0	17681.3	17644.3	16805.6	17391.9	15937.4
62.5°	11239.1	11402.9	12314.2	13683.7	16510.1	19489.2	19926.4	19880.8	18512.6	18880.8	17428.8
65°	8054.3	8240.3	9340.0	11397.9	15805.6	22859.9	23978.2	23364.8	20840.2	20712.1	19175.1
67.5°	4646.6	4690.9	5167.6	6820.3	12034.6	23036.0	30159.3	29300.9	24454.8	22789.7	20029.8
70°	3436.0	3434.8	3548.1	4197.1	6512.4	18800.7	33099.0	33868.7	28260.2	23473.2	18821.7
71°	3107.2	3110.9	3237.7	3820.2	5157.7	15736.7	32474.6	34159.3	29262.7	23135.8	17947.3
72.5°	2657.7	2670.0	2846.1	3426.2	4338.7	10852.4	29784.9	32415.5	29738.1	22303.3	16579.0
75°	2016.0	2044.4	2288.2	2888.0	3965.6	5503.8	21859.9	25884.6	26417.8	19680.1	12319.1
77.5°	1438.4	1470.5	1746.3	2428.6	3769.8	4147.8	14639.4	18880.8	19441.1	12612.2	5556.7
80°	908.9	947.1	1155.2	1932.3	3541.9	3938.5	9199.6	12691.1	10601.1	4035.8	1413.8
82.5°	533.3	562.8	716.8	1262.3	2892.9	3793.2	5412.6	7034.6	4125.7	1219.2	642.9
85°	309.1	322.7	447.1	804.2	2101.0	3580.1	3976.7	3932.3	1790.7	596.1	304.2
87.5°	144.1	160.1	264.8	420.0	1166.3	2594.9	3142.9	2715.6	1113.3	279.6	142.9
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: P319689
 CATALOG NUMBER: GAN-SA5C-740-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7	9795.7
2.5°	9710.7	9689.8	9602.3	9524.8	9443.5	9337.6	9220.6	9205.8	9134.4	9147.9	9123.3
5°	9518.6	9465.6	9255.1	9064.2	8838.8	8636.8	8417.6	8316.6	8171.3	8161.4	8124.5
7.5°	9244.0	9145.4	8819.1	8457.0	8094.9	7750.1	7409.0	7184.8	6955.8	6858.5	6849.8
10°	8934.8	8767.4	8287.1	7751.3	7229.2	6725.5	6237.8	5876.9	5551.8	5397.9	5391.7
12.5°	8641.7	8394.2	7735.3	7006.3	6292.0	5639.2	4970.5	4496.4	4088.7	3952.0	3894.1
15°	8393.0	8044.4	7198.4	6266.1	5399.1	4492.7	3731.6	3232.8	2855.9	2725.4	2700.8
17.5°	8151.6	7703.3	6647.9	5518.5	4470.5	3474.2	2711.9	2341.2	2140.4	2087.5	2086.2
20°	7911.4	7352.3	6072.7	4753.8	3572.7	2598.6	2085.0	1918.7	1851.0	1844.9	1835.0
22.5°	7639.3	6980.4	5468.1	3986.5	2788.2	2043.1	1772.2	1705.7	1697.1	1719.2	1719.2
25°	7384.3	6610.9	4854.7	3235.3	2168.7	1704.5	1582.5	1569.0	1592.4	1631.8	1635.5
27.5°	7146.6	6255.0	4256.2	2567.8	1737.7	1501.3	1450.8	1466.8	1508.6	1554.2	1555.4
30°	6950.8	5918.8	3674.9	2023.4	1468.0	1349.8	1341.2	1373.2	1418.7	1454.5	1463.1
32.5°	6799.4	5631.8	3113.3	1626.9	1291.9	1236.5	1243.9	1271.0	1299.3	1319.0	1332.5
35°	6729.2	5385.5	2594.9	1371.9	1179.8	1149.0	1158.9	1173.7	1186.0	1200.8	1211.8
37.5°	6741.5	5194.7	2131.8	1213.1	1104.7	1088.7	1088.7	1088.7	1088.7	1096.1	1097.3
40°	6856.0	5085.0	1754.9	1112.1	1054.2	1037.0	1023.4	1011.1	1001.2	1006.2	1003.7
42.5°	7149.1	5075.2	1479.1	1048.0	1013.6	985.2	958.1	940.9	928.6	933.5	936.0
45°	7646.7	5198.3	1293.1	1002.5	975.4	932.3	897.8	879.3	870.7	886.7	889.2
47.5°	8290.8	5466.8	1179.8	969.2	939.7	883.0	846.1	828.8	831.3	854.7	860.8
50°	9120.8	5902.8	1125.6	948.3	915.0	841.1	803.0	788.2	795.6	828.8	836.2
52.5°	10032.2	6530.9	1131.8	942.1	899.0	810.4	769.7	752.5	764.8	795.6	801.7
55°	11083.9	7285.8	1234.0	950.8	875.6	790.7	742.6	713.1	722.9	751.2	756.2
57.5°	12252.6	8150.4	1439.7	948.3	846.1	772.2	714.3	670.0	677.3	694.6	699.5
60°	13469.4	9194.7	1758.6	955.7	832.5	750.0	676.1	620.7	618.2	633.0	635.5
62.5°	14930.0	10402.8	2123.2	960.6	841.1	721.7	625.6	571.4	564.0	567.7	570.2
65°	16435.0	11277.2	1986.5	940.9	868.2	698.3	581.3	523.4	509.9	507.4	508.6
67.5°	16481.7	10340.0	1392.9	901.5	879.3	686.0	548.0	482.8	460.6	452.0	450.7
70°	14781.0	8400.4	1085.0	859.6	835.0	666.3	517.2	449.5	416.3	402.7	401.5
71°	13950.9	7732.9	1028.3	838.7	801.7	646.6	503.7	434.7	400.3	385.5	383.0
72.5°	12649.2	6932.4	959.4	805.4	737.7	596.1	477.8	413.8	378.1	360.8	357.1
75°	9077.7	4533.3	823.9	718.0	610.8	475.4	418.7	371.9	341.1	320.2	317.7
77.5°	3497.6	1804.2	623.2	597.3	468.0	371.9	344.8	321.4	299.3	278.3	277.1
80°	1081.3	806.7	454.4	449.5	338.7	277.1	268.5	262.3	253.7	231.5	226.6
82.5°	577.6	463.1	312.8	290.6	221.7	184.7	194.6	197.0	198.3	174.9	172.4
85°	275.9	245.1	176.1	165.0	129.3	103.4	119.5	129.3	130.5	107.1	99.8
87.5°	131.8	128.1	82.5	62.8	48.0	34.5	41.9	51.7	56.7	40.6	35.7
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)