

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: P533544

Luminaire Tested: **GLAN-SA9A-727-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-727-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29082 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

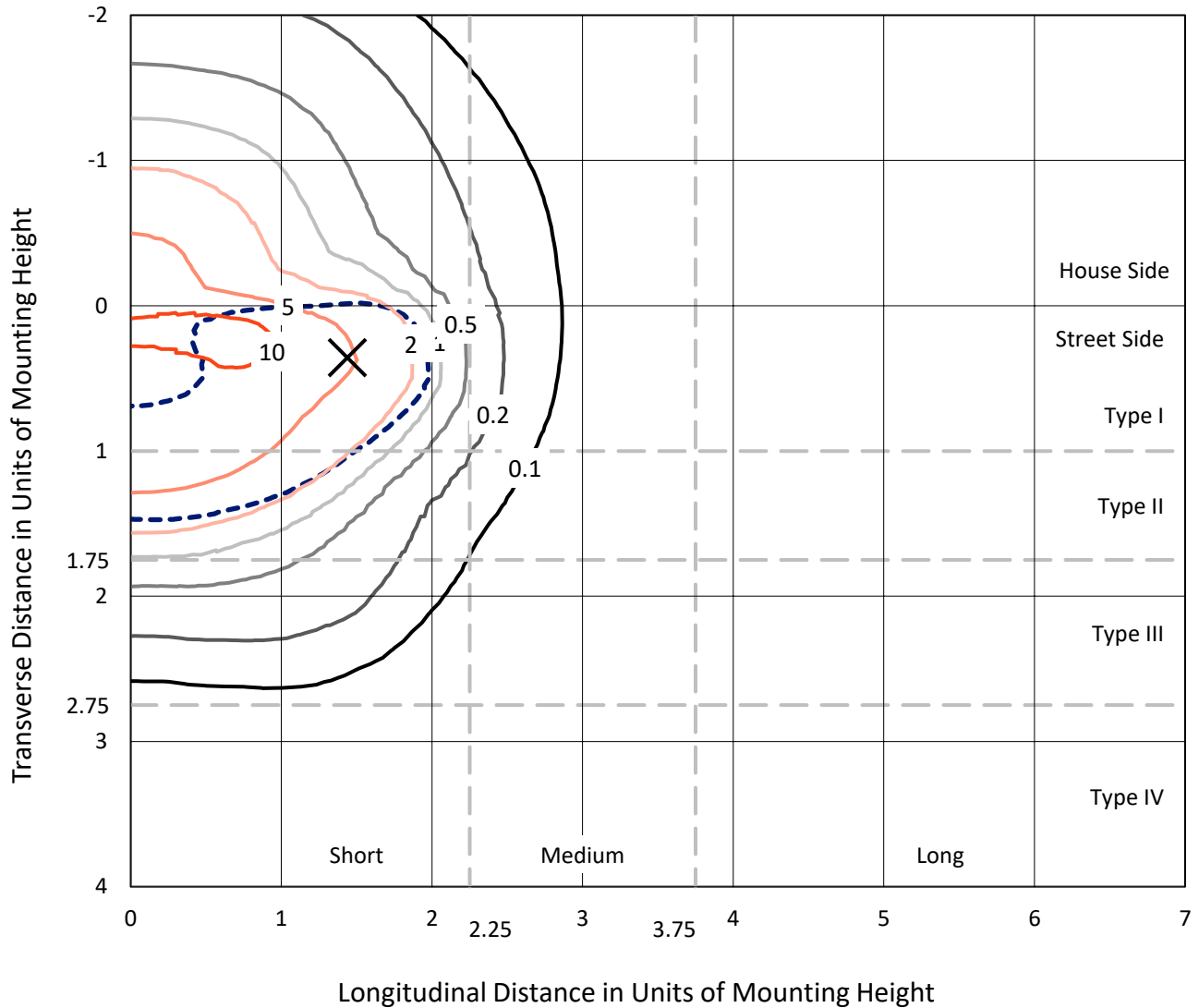
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533544
 CATALOG NUMBER: GLAN-SA9A-727-U-T2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

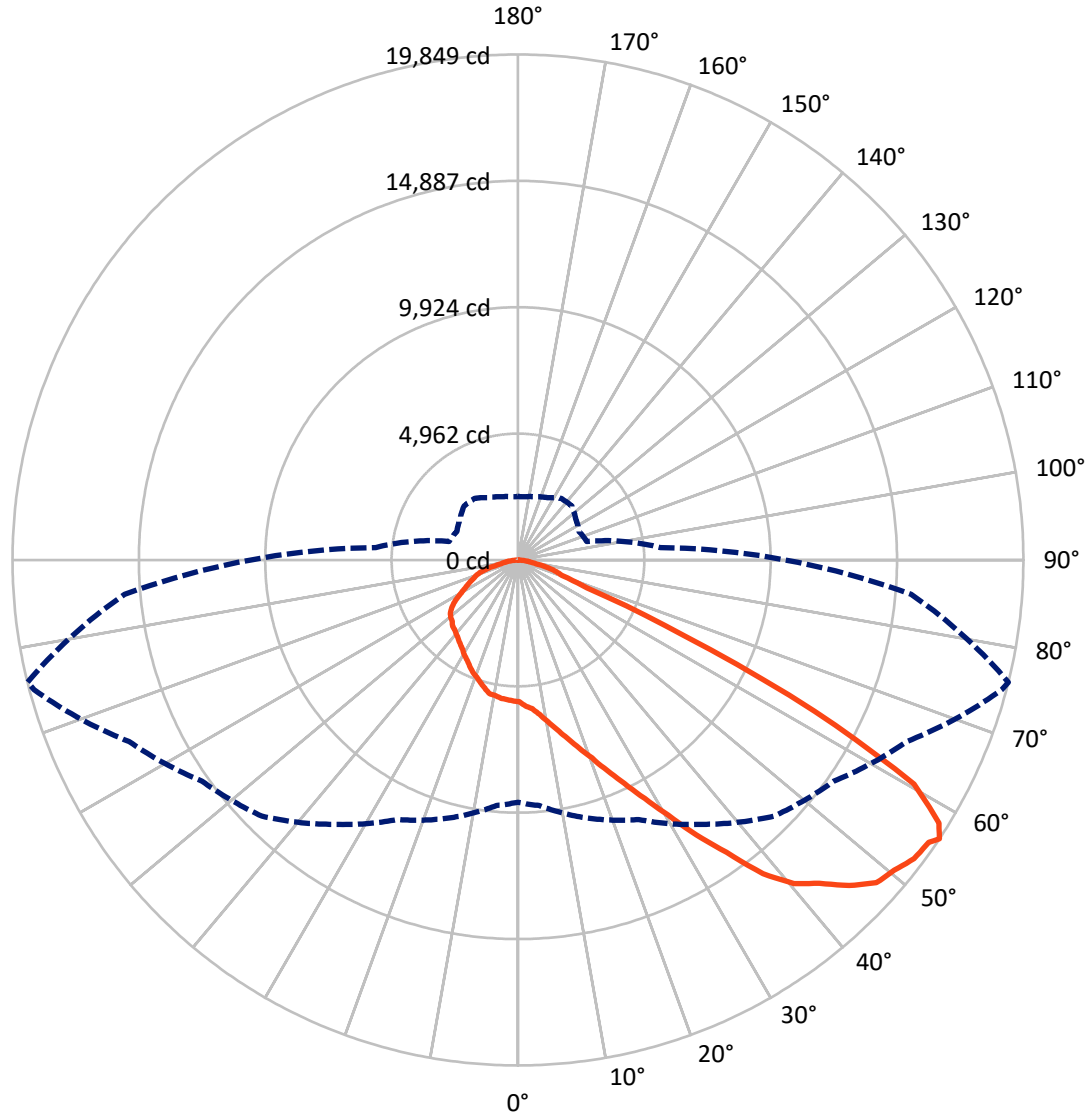
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Short - N/A

REPORT NUMBER: P533544
CATALOG NUMBER: GLAN-SA9A-727-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P533544
 CATALOG NUMBER: GLAN-SA9A-727-U-T2-GRSWH

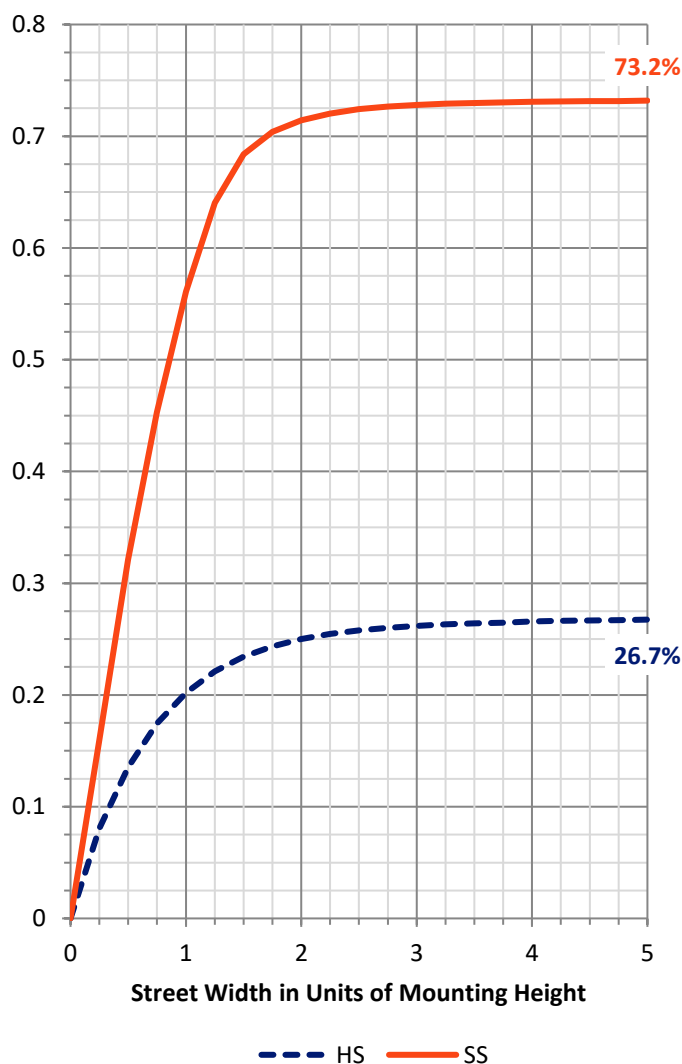
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7819.3	0.0	7819.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	21262.7	0.0	21262.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	29082.0	0.0	29082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.8	1.9
10°-20°	1733.5	6.0
20°-30°	3031.6	10.4
30°-40°	4746.6	16.3
40°-50°	6905.0	23.7
50°-60°	7589.0	26.1
60°-70°	3387.4	11.6
70°-80°	978.4	3.4
80°-90°	158.7	0.5
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°	29082.0	100.0
0°-180°	29082.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533544

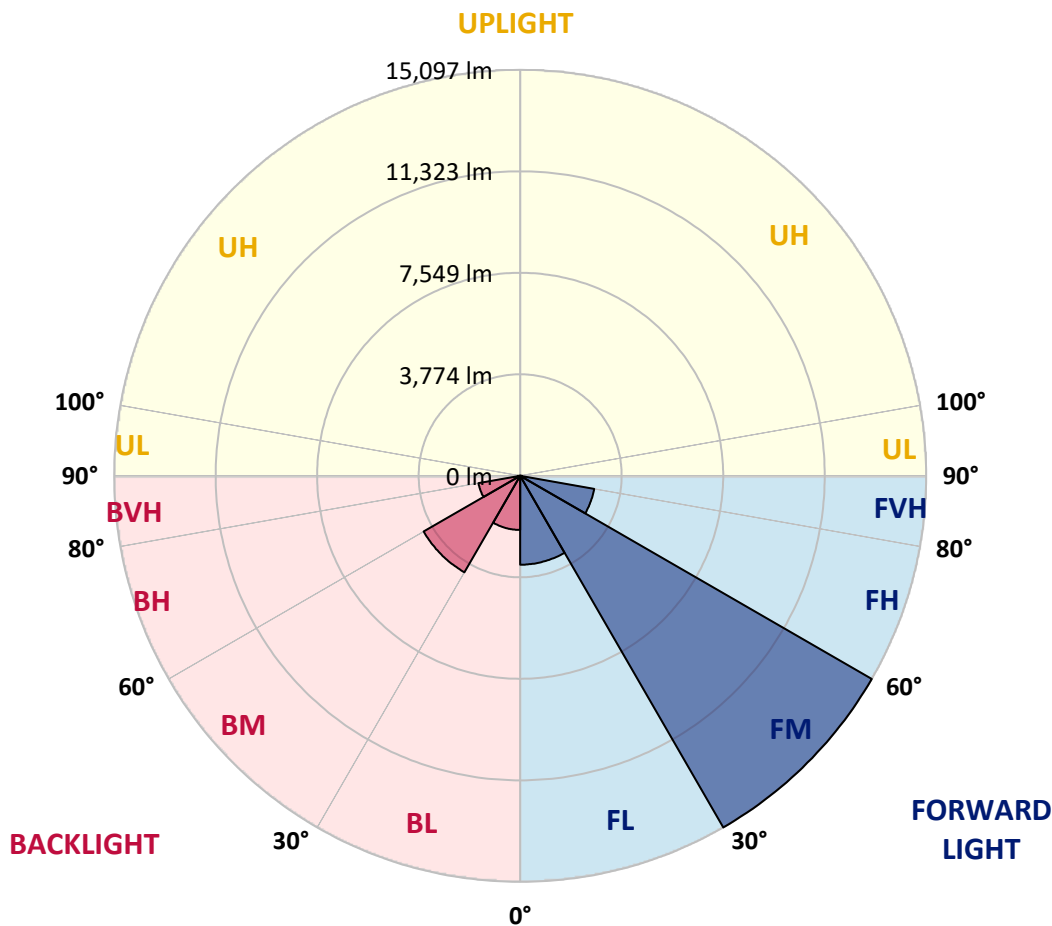
CATALOG NUMBER: GLAN-SA9A-727-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3304.8	11.4			
FM (30°-60°)	15097.0	51.9			
FH (60°-80°)	2792.6	9.6			G2/5000
FVH (80°-90°)	68.3	0.2			G1/100
BL (0°-30°)	2012.1	6.9	B3/2500		
BM (30°-60°)	4143.6	14.2	B3/5000		
BH (60°-80°)	1573.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	90.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P533544

CATALOG NUMBER: GLAN-SA9A-727-U-T2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5
2.5°	6130.0	6031.9	6024.4	5998.0	6013.1	5945.2	5873.6	5779.4	5681.3	5741.7	5598.4
5°	6559.7	6427.8	6480.6	6390.1	6401.4	6310.9	6163.9	6054.6	5933.9	5862.3	5760.5
7.5°	6710.5	6721.8	6759.5	6744.5	6669.1	6669.1	6571.0	6378.8	6167.7	6126.2	5956.5
10°	6914.1	6917.9	6876.4	6887.7	6993.3	6944.3	6857.6	6774.6	6503.2	6454.2	6152.6
12.5°	6985.7	6917.9	6985.7	7046.1	7170.5	7238.3	7219.5	7159.2	6868.9	6834.9	6393.9
15°	6997.1	6955.6	7012.1	7147.9	7257.2	7543.7	7687.0	7645.5	7261.0	7264.7	6665.3
17.5°	6944.3	7000.8	7023.4	7140.3	7392.9	7660.6	8075.3	8131.8	7815.1	7766.1	7008.4
20°	7015.9	6974.4	7004.6	7110.2	7445.7	7864.1	8407.0	8780.2	8335.4	8301.5	7362.7
22.5°	7291.1	7234.6	7227.0	7294.9	7536.2	7969.7	8757.6	9428.7	8968.7	8987.6	7803.8
25°	7506.0	7536.2	7509.8	7506.0	7656.8	8128.0	9221.3	10201.5	9828.3	9719.0	8324.1
27.5°	7875.5	7947.1	7894.3	7965.9	7932.0	8365.6	9553.1	11057.3	10755.7	10608.7	8795.3
30°	8388.2	8425.9	8376.9	8376.9	8275.1	8697.3	9854.7	11950.8	11826.4	11626.6	9349.5
32.5°	9063.0	9119.5	9021.5	8965.0	8949.9	9191.2	10397.6	12833.0	13044.1	12874.4	10084.7
35°	9956.5	9922.5	9805.7	9752.9	9549.3	9948.9	11204.3	13847.1	14401.3	14099.7	10974.4
37.5°	10744.4	10691.6	10684.1	10390.0	10439.0	10767.0	11890.5	14616.2	15717.0	15630.3	11913.1
40°	11479.5	11528.6	11607.7	11441.8	11366.4	11728.4	12689.7	15204.3	16738.6	16704.7	12636.9
42.5°	12267.5	12222.2	12361.7	12222.2	12109.1	12621.8	13556.8	15611.4	17635.9	17356.9	13394.7
45°	13409.8	13266.5	13315.5	13326.8	13243.9	13432.4	13914.9	15905.5	18265.5	18235.3	13948.9
47.5°	14363.6	14367.3	14284.4	14220.3	13967.7	14156.2	14314.6	16090.2	18989.3	18940.3	14163.8
50°	14717.9	14668.9	14910.2	15049.7	15064.8	14680.2	14627.5	16192.0	19370.1	19155.2	14378.6
52.5°	13443.7	13488.9	13869.7	14699.1	15177.9	15219.3	14993.1	16403.1	19524.6	19479.4	14552.1
55°	10819.8	11038.5	11664.3	12621.8	13756.6	15004.5	15389.0	16621.8	19607.6	19569.9	15321.1
56°	9511.6	9681.3	10495.6	11245.8	12670.8	14224.1	15140.2	16855.5	19671.7	19848.9	15502.1
57.5°	7656.8	7852.8	8437.2	9289.2	10970.6	12738.7	14454.0	16569.0	19422.9	19490.7	15634.0
60°	4787.9	4806.7	5507.9	6069.6	7253.4	8980.1	11030.9	14416.3	17975.2	17877.2	14043.1
62.5°	3140.4	3144.2	3781.3	4241.2	4780.3	5176.2	6491.9	9560.6	13262.7	13089.3	9997.9
65°	2205.4	2254.4	2748.3	3362.8	3581.5	3374.1	3332.6	5040.4	7408.0	7159.2	5372.2
67.5°	1613.5	1617.3	2054.6	2714.4	3031.1	2567.3	2084.8	2461.8	2933.0	2925.5	2488.2
70°	1066.9	1112.1	1447.7	2028.2	2390.2	2062.2	1704.0	1760.6	1866.1	1866.1	1851.1
72.5°	622.0	663.5	885.9	1285.6	1342.1	1289.3	1349.6	1508.0	1575.8	1572.1	1553.2
75°	354.4	373.2	422.2	535.3	667.3	787.9	991.5	1142.3	1210.2	1251.6	1202.6
77.5°	207.3	218.7	248.8	305.4	346.8	426.0	539.1	644.7	735.1	723.8	731.4
80°	109.3	109.3	139.5	181.0	241.3	301.6	358.1	418.5	467.5	478.8	490.1
82.5°	64.1	67.9	90.5	131.9	173.4	214.9	275.2	316.7	361.9	365.7	373.2
85°	33.9	37.7	56.5	86.7	116.9	131.9	135.7	128.2	139.5	131.9	150.8
87.5°	11.3	11.3	18.8	15.1	15.1	18.8	22.6	22.6	30.2	30.2	30.2
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: P533544

CATALOG NUMBER: GLAN-SA9A-727-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5	5564.5
2.5°	5594.6	5594.6	5530.5	5409.9	5391.0	5342.0	5296.8	5293.0	5259.1	5228.9	5213.9
5°	5700.2	5583.3	5489.1	5379.7	5251.6	5191.2	5123.4	5048.0	5017.8	5048.0	5044.2
7.5°	5820.8	5722.8	5440.1	5236.5	5089.5	5029.1	4953.7	4874.6	4882.1	4882.1	4829.3
10°	5937.7	5805.7	5353.3	5093.2	4878.3	4833.1	4791.6	4821.8	4859.5	4867.0	4833.1
12.5°	6133.7	5835.9	5311.9	4950.0	4814.2	4716.2	4742.6	4825.6	4904.7	4882.1	4908.5
15°	6280.8	5862.3	5123.4	4802.9	4633.3	4678.5	4772.8	4829.3	4961.3	4946.2	4972.6
17.5°	6424.0	5877.4	4938.7	4606.9	4535.3	4659.7	4731.3	4893.4	4934.9	5025.4	5059.3
20°	6718.1	5907.5	4750.2	4486.3	4463.6	4606.9	4731.3	4806.7	4897.2	4976.4	4976.4
22.5°	6868.9	5892.5	4625.7	4327.9	4399.5	4490.0	4603.1	4731.3	4731.3	4806.7	4810.5
25°	7057.4	5832.1	4429.7	4252.5	4305.3	4392.0	4520.2	4474.9	4524.0	4524.0	4584.3
27.5°	7272.3	5704.0	4260.1	4116.8	4222.4	4316.6	4335.5	4305.3	4248.7	4241.2	4218.6
30°	7445.7	5545.6	4135.7	4071.6	4158.3	4211.1	4150.7	4086.6	3988.6	3981.1	3928.3
32.5°	7683.2	5349.6	3981.1	3958.5	4056.5	4060.3	4041.4	3943.4	3800.1	3739.8	3679.5
35°	8082.8	5236.5	3864.2	3898.1	3928.3	3917.0	3883.1	3777.5	3634.2	3607.9	3585.2
37.5°	8376.9	5153.5	3743.6	3785.0	3811.4	3826.5	3724.7	3607.9	3611.6	3558.8	3543.8
40°	8708.6	5100.8	3645.6	3664.4	3668.2	3717.2	3592.8	3536.2	3562.6	3528.7	3551.3
42.5°	9134.6	5115.8	3543.8	3528.7	3600.3	3581.5	3521.1	3445.7	3460.8	3359.0	3374.1
45°	9360.8	5217.6	3483.4	3415.6	3494.8	3491.0	3411.8	3340.2	3249.7	3053.7	3061.2
47.5°	9511.6	5244.0	3340.2	3294.9	3377.9	3426.9	3336.4	3170.5	3042.4	2902.9	2868.9
50°	9666.2	5293.0	3272.3	3178.1	3212.0	3328.9	3215.8	3057.4	2933.0	2808.6	2827.5
52.5°	9801.9	5387.3	3140.4	3000.9	3061.2	3189.4	3129.1	2936.8	2801.1	2699.3	2669.1
55°	10405.1	5598.4	2918.0	2737.0	2880.3	3042.4	3008.4	2774.7	2627.7	2574.9	2567.3
56°	10499.4	5605.9	2801.1	2646.5	2778.5	2993.4	2951.9	2703.1	2571.1	2488.2	2491.9
57.5°	10514.4	5515.5	2635.2	2563.6	2676.7	2921.7	2868.9	2646.5	2465.6	2390.2	2367.5
60°	9251.5	4305.3	2427.9	2382.6	2514.6	2703.1	2684.2	2491.9	2288.4	2201.7	2243.1
62.5°	6307.2	3155.5	2265.7	2258.2	2326.1	2510.8	2461.8	2288.4	2118.7	2062.2	2035.8
65°	3671.9	2393.9	2107.4	2077.3	2133.8	2231.8	2265.7	2084.8	1907.6	1869.9	1858.6
67.5°	2167.7	1979.2	1903.8	1854.8	1836.0	1896.3	1922.7	1817.1	1639.9	1587.2	1632.4
70°	1813.4	1760.6	1764.3	1681.4	1636.2	1594.7	1572.1	1477.8	1330.8	1262.9	1244.1
72.5°	1564.5	1541.9	1526.8	1451.4	1410.0	1315.7	1217.7	1123.4	1014.1	957.6	961.3
75°	1195.1	1187.5	1195.1	1157.4	1085.7	1010.4	919.9	799.2	716.3	644.7	659.7
77.5°	712.5	735.1	746.5	731.4	701.2	633.4	576.8	497.6	418.5	361.9	354.4
80°	490.1	508.9	527.8	508.9	478.8	429.8	369.5	309.1	252.6	222.4	214.9
82.5°	373.2	392.1	403.4	384.5	346.8	294.1	252.6	211.1	165.9	135.7	128.2
85°	135.7	154.6	150.8	181.0	196.0	188.5	162.1	124.4	94.2	67.9	64.1
87.5°	37.7	33.9	37.7	37.7	37.7	33.9	30.2	30.2	30.2	18.8	15.1
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)