

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: P653009

Luminaire Tested: **GLAN-SA7C-840-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653009
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-SA7C-840-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 1050mA 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: 34543.2 lumens
Efficiency: N/A
Efficacy: 91.6 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

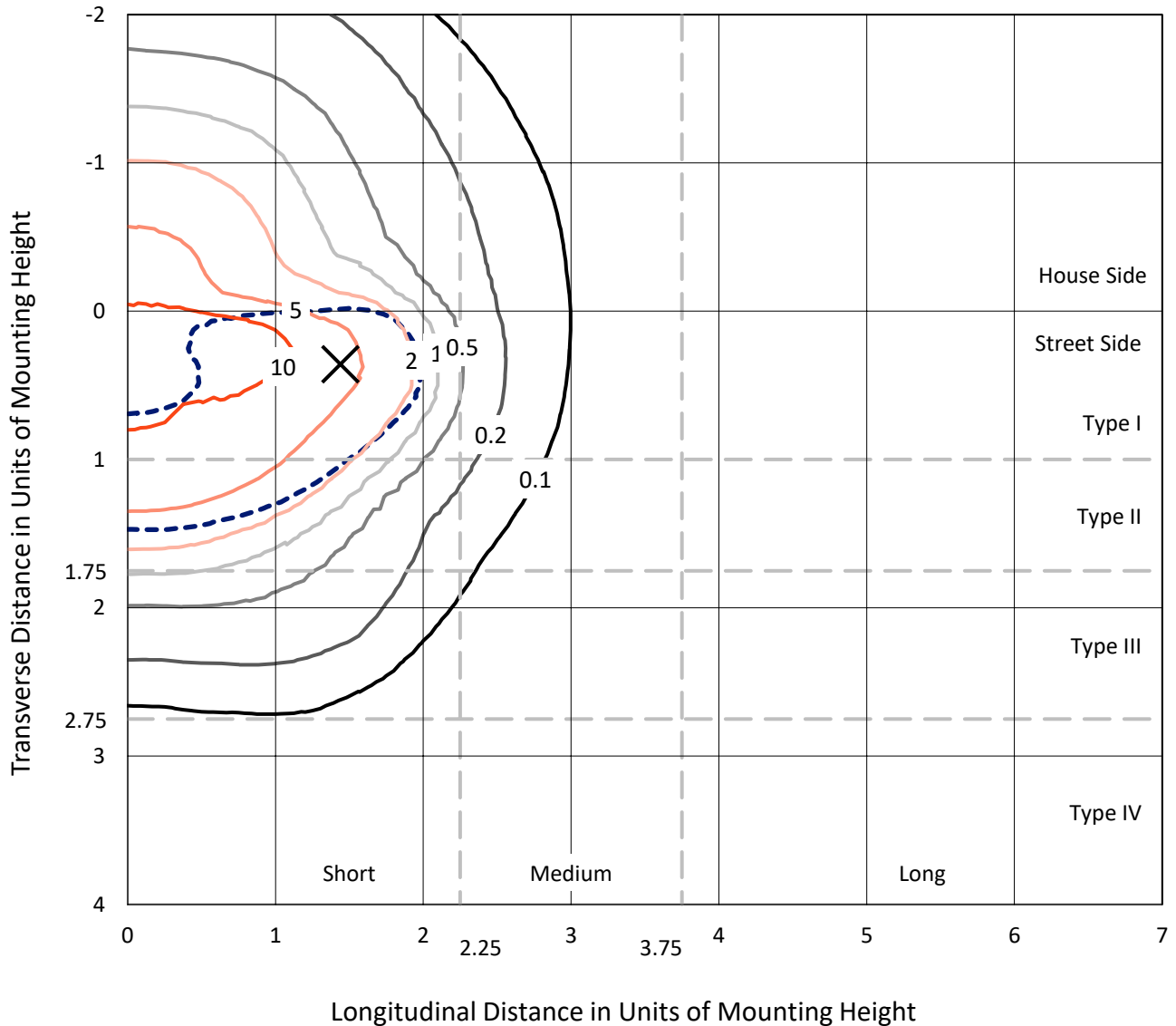
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

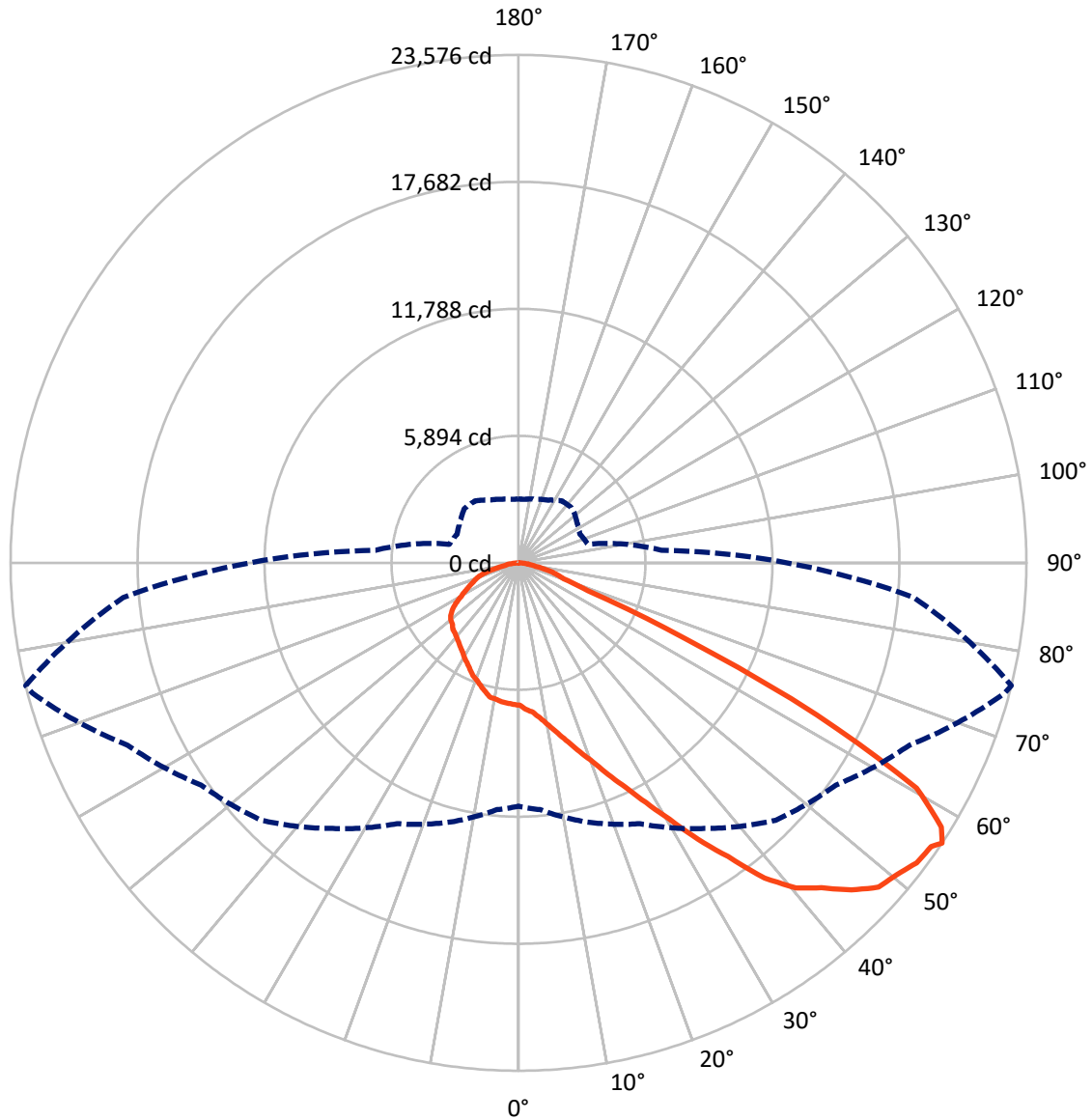
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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CATALOG NUMBER: GLAN-SA7C-840-U-T2-GRSWH

Luminous Intensity Polar Plot



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

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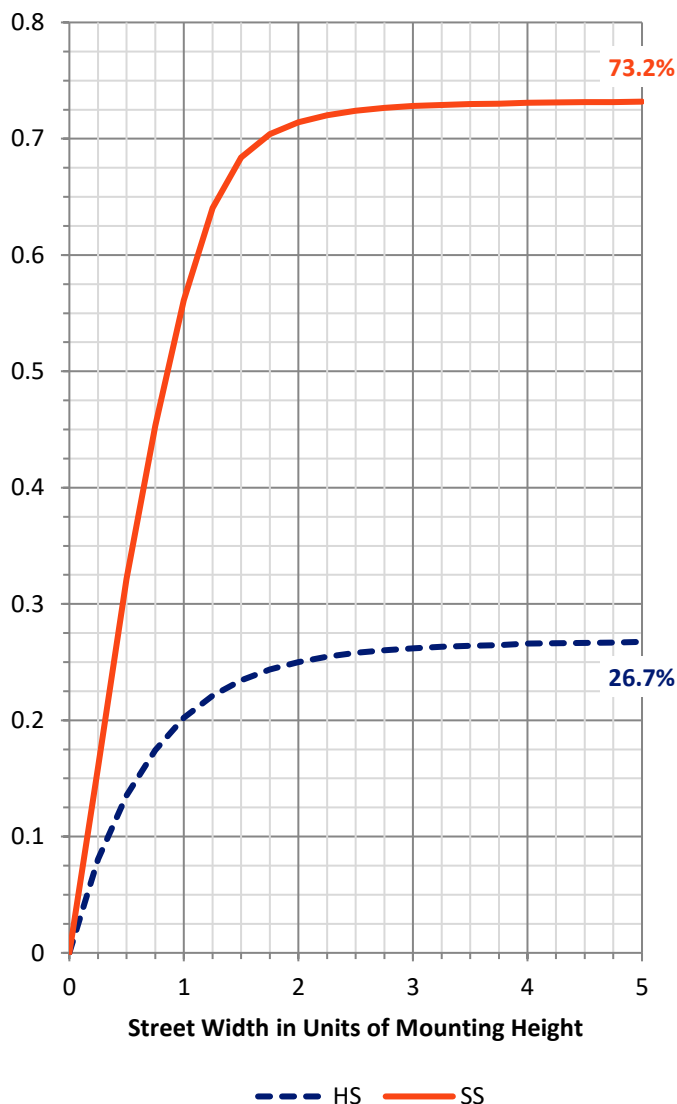
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9287.6	0.0	9287.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	25255.6	0.0	25255.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	34543.2	0.0	34543.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.5	1.9
10°-20°	2059.0	6.0
20°-30°	3600.9	10.4
30°-40°	5638.0	16.3
40°-50°	8201.6	23.7
50°-60°	9014.1	26.1
60°-70°	4023.5	11.6
70°-80°	1162.1	3.4
80°-90°	188.5	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°	34543.2	100.0
0°-180°	34543.2	100.0

Coefficient of Utilization

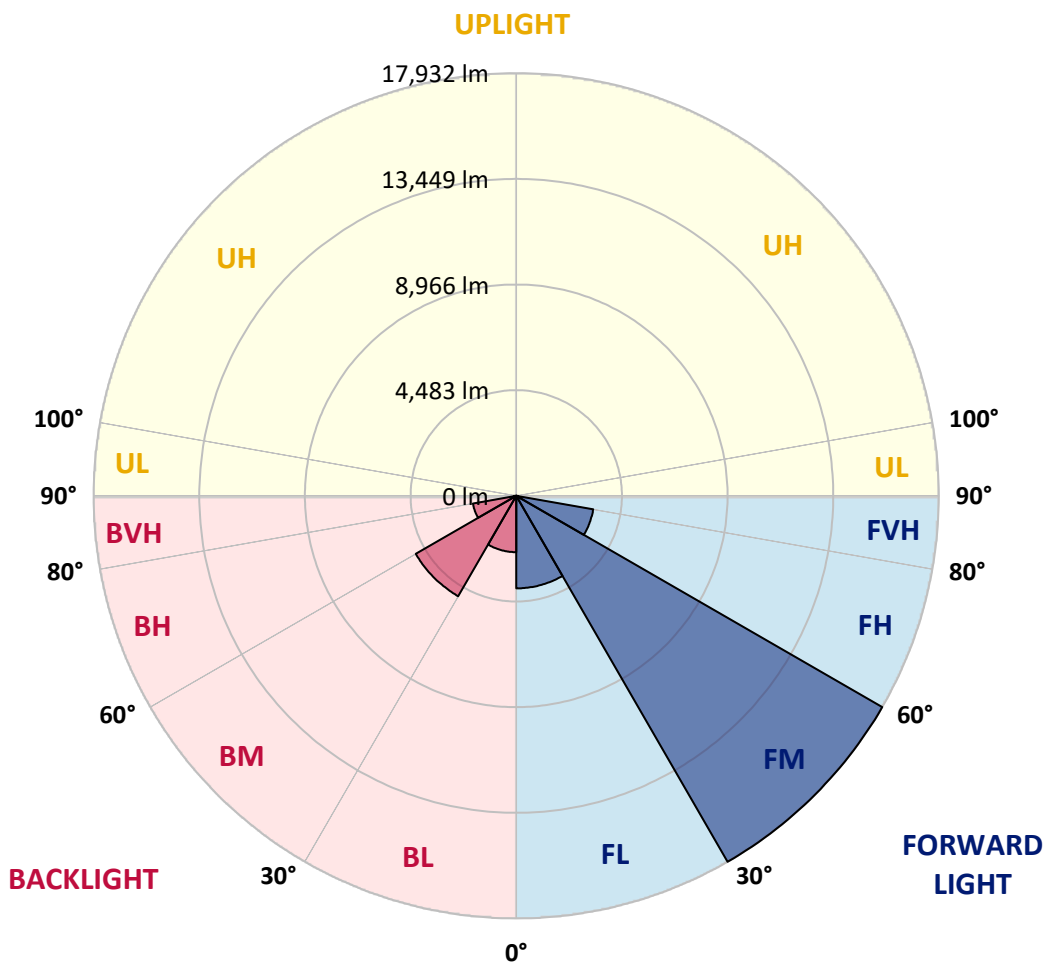


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3925.5	11.4			
FM (30°-60°)	17932.0	51.9			
FH (60°-80°)	3317.0	9.6			G2/5000
FVH (80°-90°)	81.1	0.2			G1/100
BL (0°-30°)	2389.9	6.9	B3/2500		
BM (30°-60°)	4921.7	14.2	B3/5000		
BH (60°-80°)	1868.7	5.4	B3/2500		G3/2500
BVH (80°-90°)	107.4	0.3			G2/225
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4
2.5°	7281.1	7164.6	7155.7	7124.4	7142.3	7061.7	6976.6	6864.7	6748.2	6819.8	6649.7
5°	7791.6	7634.9	7697.5	7590.1	7603.5	7496.0	7321.4	7191.6	7048.3	6963.1	6842.3
7.5°	7970.7	7984.1	8028.9	8011.0	7921.5	7921.5	7805.0	7576.7	7325.9	7276.6	7075.1
10°	8212.5	8217.0	8167.7	8181.2	8306.6	8248.4	8145.3	8046.9	7724.4	7666.2	7308.0
12.5°	8297.6	8217.0	8297.6	8369.2	8517.0	8597.6	8575.2	8503.6	8158.8	8118.4	7594.6
15°	8311.0	8261.7	8328.9	8490.1	8620.0	8960.4	9130.5	9081.2	8624.5	8628.9	7916.9
17.5°	8248.4	8315.5	8342.4	8481.1	8781.2	9099.1	9591.7	9658.9	9282.7	9224.5	8324.5
20°	8333.4	8284.2	8319.9	8445.3	8843.9	9340.9	9985.8	10429.1	9900.7	9860.4	8745.4
22.5°	8660.3	8593.1	8584.2	8664.7	8951.4	9466.3	10402.2	11199.3	10652.9	10675.3	9269.2
25°	8915.5	8951.4	8920.0	8915.5	9094.7	9654.4	10953.0	12117.2	11673.9	11544.1	9887.2
27.5°	9354.4	9439.5	9376.7	9461.8	9421.6	9936.5	11347.0	13133.7	12775.5	12600.9	10447.0
30°	9963.3	10008.2	9950.0	9950.0	9829.0	10330.6	11705.3	14195.0	14047.2	13809.9	11105.2
32.5°	10764.9	10832.1	10715.7	10648.5	10630.6	10917.2	12350.1	15242.8	15493.6	15292.1	11978.4
35°	11826.1	11785.9	11647.1	11584.4	11342.6	11817.2	13308.4	16447.4	17105.6	16747.4	13035.2
37.5°	12762.1	12699.4	12690.4	12341.2	12399.4	12788.9	14123.3	17360.8	18668.4	18565.4	14150.2
40°	13635.2	13693.5	13787.5	13590.5	13500.9	13930.8	15072.7	18059.5	19881.9	19841.6	15010.0
42.5°	14571.2	14517.4	14683.1	14517.4	14383.0	14992.1	16102.6	18543.0	20947.7	20616.4	15910.0
45°	15928.0	15757.8	15816.0	15829.5	15730.9	15954.8	16528.0	18892.3	21695.5	21659.7	16568.3
47.5°	17060.9	17065.3	16966.8	16890.7	16590.7	16814.5	17002.7	19111.7	22555.3	22497.1	16823.5
50°	17481.8	17423.6	17710.2	17875.9	17893.8	17437.0	17374.3	19232.7	23007.6	22752.3	17078.8
52.5°	15968.2	16022.0	16474.3	17459.4	18028.1	18077.4	17808.7	19483.4	23191.2	23137.4	17284.7
55°	12851.7	13111.4	13854.6	14992.1	16340.0	17822.1	18278.9	19743.1	23289.6	23244.9	18198.2
56°	11297.7	11499.3	12466.5	13357.6	15050.3	16895.2	17983.3	20020.8	23365.8	23576.3	18413.2
57.5°	9094.7	9327.5	10021.6	11033.6	13030.7	15130.9	17168.3	19680.4	23070.2	23150.8	18570.0
60°	5686.9	5709.4	6542.2	7209.5	8615.5	10666.4	13102.4	17123.5	21350.7	21234.2	16680.2
62.5°	3730.1	3734.5	4491.4	5037.7	5678.0	6148.2	7711.0	11356.0	15753.3	15547.3	11875.4
65°	2619.5	2677.8	3264.4	3994.3	4254.0	4007.7	3958.5	5987.0	8799.1	8503.6	6381.0
67.5°	1916.6	1921.0	2440.5	3224.1	3600.2	3049.5	2476.3	2924.1	3483.8	3474.8	2955.4
70°	1267.2	1321.0	1719.5	2409.1	2839.0	2449.4	2024.0	2091.1	2216.5	2216.5	2198.6
72.5°	738.8	788.1	1052.3	1527.0	1594.1	1531.5	1603.1	1791.2	1871.7	1867.3	1844.9
75°	420.9	443.3	501.5	635.9	792.6	935.9	1177.7	1356.8	1437.4	1486.6	1428.4
77.5°	246.2	259.7	295.5	362.7	412.0	506.0	640.3	765.7	873.2	859.8	868.8
80°	129.9	129.9	165.7	215.0	286.6	358.3	425.4	497.0	555.2	568.7	582.1
82.5°	76.1	80.6	107.5	156.8	206.0	255.2	326.9	376.2	429.9	434.4	443.3
85°	40.3	44.7	67.2	103.0	138.8	156.8	161.2	152.2	165.7	156.8	179.1
87.5°	13.5	13.5	22.4	17.9	17.9	22.4	26.8	26.8	35.8	35.8	35.8
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°	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4	6609.4
2.5°	6645.2	6645.2	6569.1	6425.8	6403.5	6345.2	6291.4	6287.0	6246.7	6210.9	6193.0
5°	6770.6	6631.8	6519.9	6390.0	6237.7	6166.1	6085.5	5995.9	5960.1	5995.9	5991.5
7.5°	6913.9	6797.5	6461.7	6219.8	6045.2	5973.5	5884.0	5789.9	5798.9	5798.9	5736.2
10°	7052.7	6896.0	6358.6	6049.6	5794.4	5740.7	5691.5	5727.3	5772.0	5780.9	5740.7
12.5°	7285.6	6931.8	6309.4	5879.5	5718.3	5601.9	5633.2	5731.8	5825.8	5798.9	5830.2
15°	7460.2	6963.1	6085.5	5704.8	5503.3	5557.1	5669.0	5736.2	5893.0	5875.1	5906.3
17.5°	7630.4	6981.1	5866.1	5472.1	5386.9	5534.7	5619.8	5812.3	5861.6	5969.1	6009.4
20°	7979.7	7016.9	5642.2	5328.7	5301.8	5472.1	5619.8	5709.4	5816.8	5910.9	5910.9
22.5°	8158.8	6999.0	5494.4	5140.6	5225.7	5333.2	5467.5	5619.8	5619.8	5709.4	5713.8
25°	8382.7	6927.3	5261.5	5051.1	5113.8	5216.8	5369.0	5315.3	5373.5	5373.5	5445.1
27.5°	8637.9	6775.1	5060.0	4889.9	5015.3	5127.2	5149.6	5113.8	5046.6	5037.7	5010.8
30°	8843.9	6587.0	4912.3	4836.2	4939.1	5001.8	4930.2	4854.1	4737.6	4728.7	4666.0
32.5°	9126.0	6354.2	4728.7	4701.8	4818.3	4822.7	4800.3	4683.9	4513.7	4442.1	4370.4
35°	9600.7	6219.8	4589.8	4630.1	4666.0	4652.6	4612.2	4486.9	4316.7	4285.4	4258.5
37.5°	9950.0	6121.3	4446.5	4495.8	4527.2	4545.1	4424.2	4285.4	4289.9	4227.1	4209.2
40°	10344.0	6058.6	4330.1	4352.5	4357.1	4415.2	4267.5	4200.3	4231.7	4191.3	4218.2
42.5°	10850.0	6076.6	4209.2	4191.3	4276.4	4254.0	4182.4	4092.8	4110.7	3989.8	4007.7
45°	11118.7	6197.4	4137.6	4057.0	4151.0	4146.6	4052.5	3967.4	3859.9	3627.1	3636.1
47.5°	11297.7	6228.8	3967.4	3913.7	4012.2	4070.4	3963.0	3765.9	3613.7	3448.0	3407.7
50°	11481.4	6287.0	3886.8	3774.9	3815.2	3954.0	3819.7	3631.6	3483.8	3336.1	3358.4
52.5°	11642.6	6398.9	3730.1	3564.4	3636.1	3788.3	3716.6	3488.3	3327.1	3206.2	3170.4
55°	12359.1	6649.7	3465.9	3251.0	3421.1	3613.7	3573.4	3295.7	3121.1	3058.4	3049.5
56°	12471.0	6658.7	3327.1	3143.5	3300.3	3555.5	3506.2	3210.7	3053.9	2955.4	2959.9
57.5°	12488.9	6551.2	3130.0	3045.0	3179.3	3470.4	3407.7	3143.5	2928.5	2839.0	2812.1
60°	10988.8	5113.8	2883.8	2830.0	2986.8	3210.7	3188.3	2959.9	2718.1	2615.1	2664.4
62.5°	7491.5	3748.0	2691.2	2682.3	2762.9	2982.3	2924.1	2718.1	2516.6	2449.4	2418.0
65°	4361.5	2843.5	2503.2	2467.3	2534.5	2650.9	2691.2	2476.3	2265.8	2221.1	2207.6
67.5°	2574.8	2350.9	2261.4	2203.2	2180.7	2252.4	2283.7	2158.3	1947.9	1885.2	1938.9
70°	2153.9	2091.1	2095.7	1997.1	1943.4	1894.2	1867.3	1755.3	1580.7	1500.1	1477.7
72.5°	1858.4	1831.4	1813.5	1724.0	1674.8	1562.8	1446.4	1334.4	1204.6	1137.4	1141.9
75°	1419.5	1410.5	1419.5	1374.7	1289.7	1200.1	1092.6	949.3	850.8	765.7	783.6
77.5°	846.3	873.2	886.7	868.8	832.9	752.3	685.2	591.1	497.0	429.9	420.9
80°	582.1	604.5	626.9	604.5	568.7	510.5	438.8	367.2	300.0	264.2	255.2
82.5°	443.3	465.7	479.1	456.7	412.0	349.3	300.0	250.8	197.0	161.2	152.2
85°	161.2	183.6	179.1	215.0	232.9	223.9	192.6	147.8	111.9	80.6	76.1
87.5°	44.7	40.3	44.7	44.7	44.7	40.3	35.8	35.8	35.8	22.4	17.9
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)