

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: P319053

Luminaire Tested: **GAN-SA9C-740-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-740-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62792 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

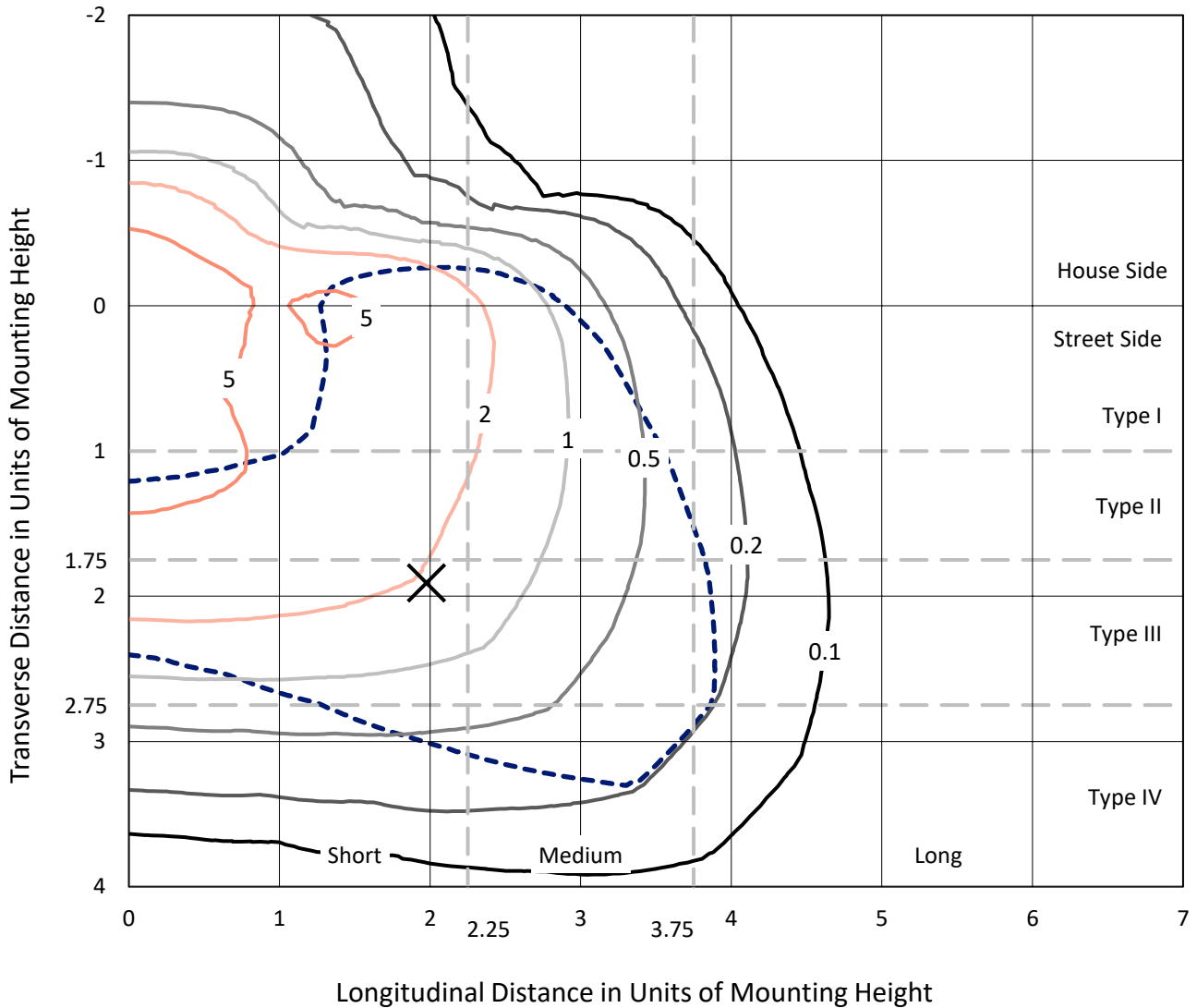
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319053
 CATALOG NUMBER: GAN-SA9C-740-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

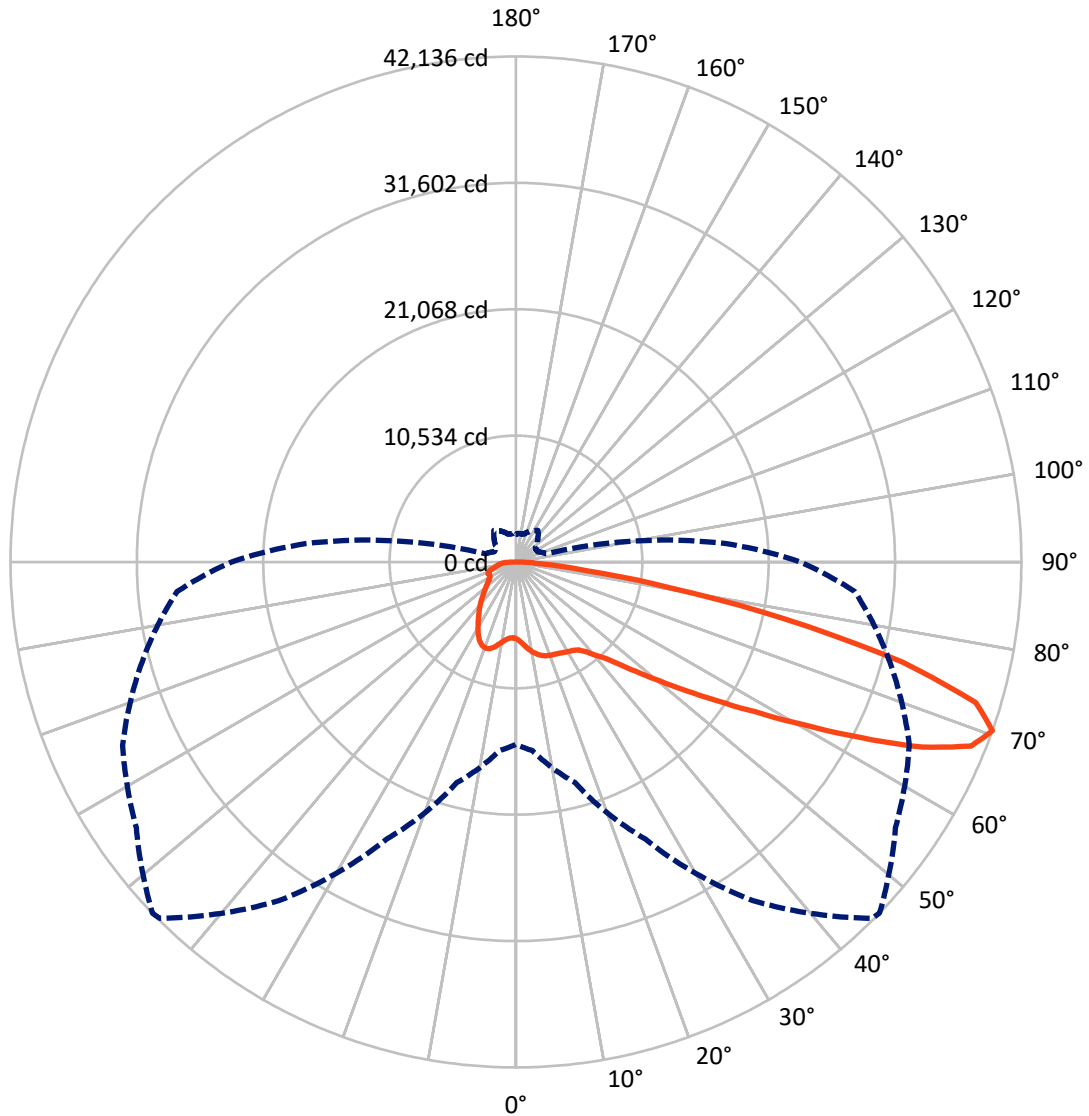
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P319053
CATALOG NUMBER: GAN-SA9C-740-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P319053

CATALOG NUMBER: GAN-SA9C-740-U-T4W

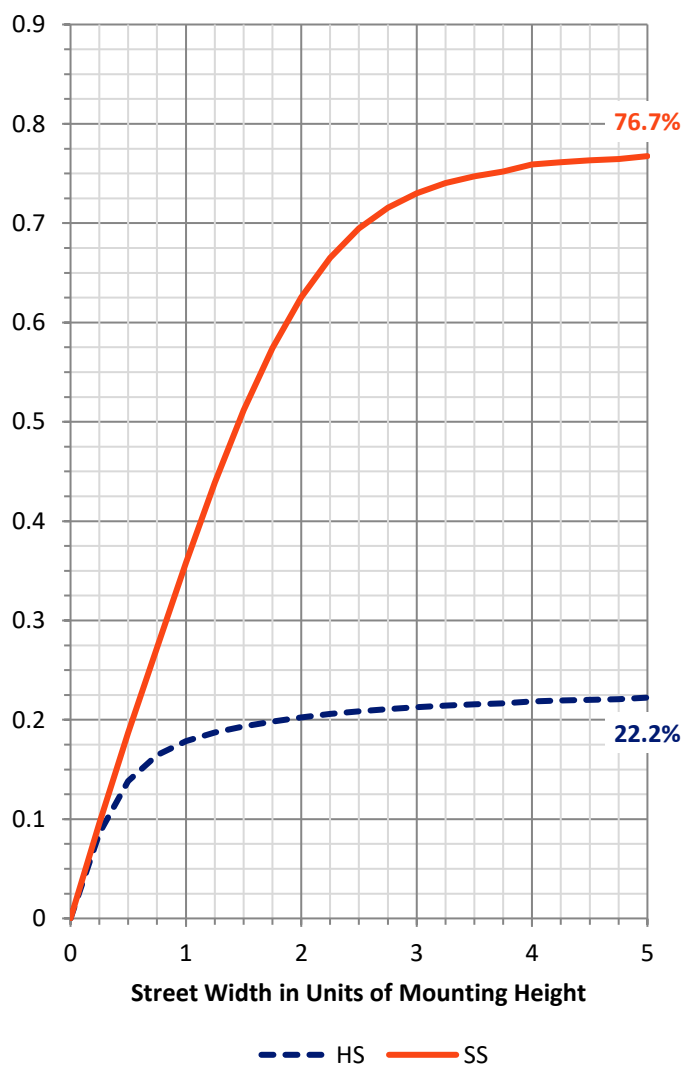
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14391.7	0.0	14391.7
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	48400.3	0.0	48400.3
	% Fixture	77.1	0.0	77.1
Total	Lumens	62792.0	0.0	62792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.1	1.0
10°-20°	2172.8	3.5
20°-30°	3622.9	5.8
30°-40°	5141.1	8.2
40°-50°	7562.2	12.0
50°-60°	12806.6	20.4
60°-70°	18178.8	29.0
70°-80°	11043.8	17.6
80°-90°	1611.7	2.6
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°	62792.0	100.0
0°-180°	62792.0	100.0

Coefficient of Utilization



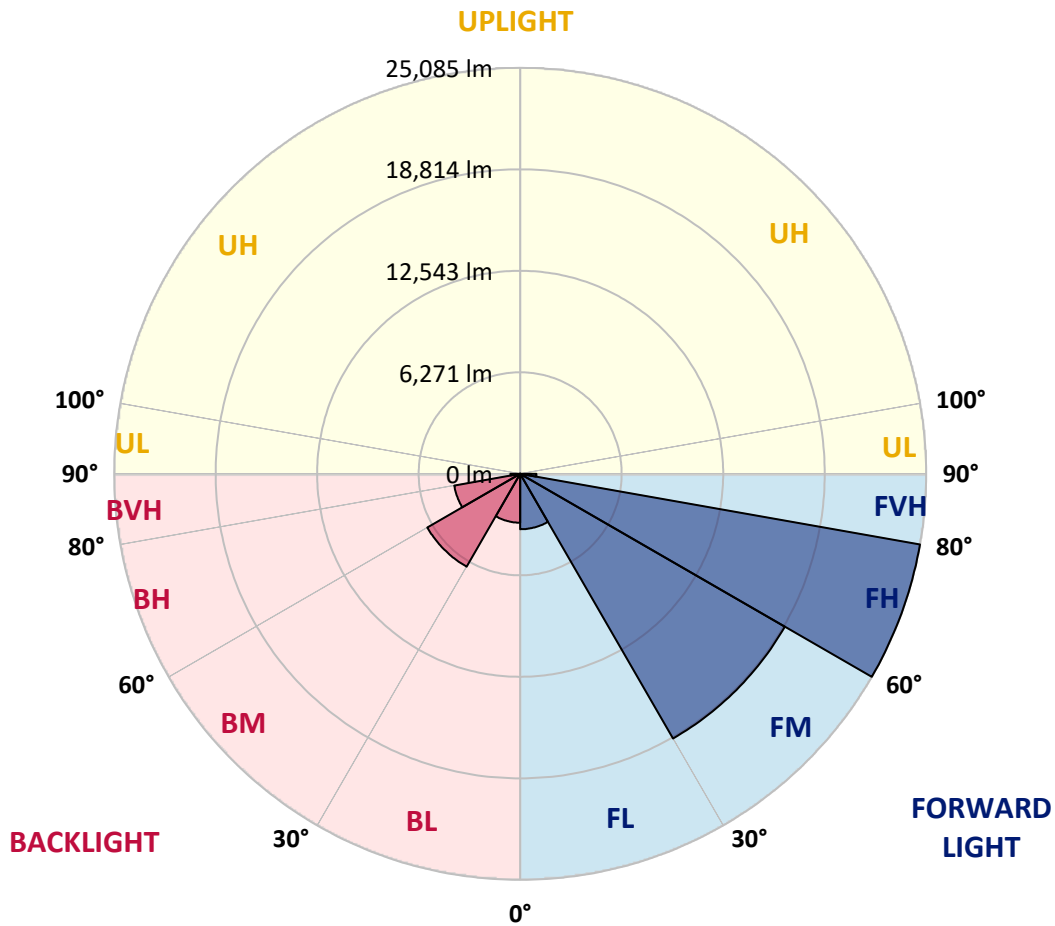
REPORT NUMBER: P319053
 CATALOG NUMBER: GAN-SA9C-740-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3426.2	5.5			
FM (30°-60°)	18885.0	30.1			
FH (60°-80°)	25085.0	39.9			G5
FVH (80°-90°)	1004.0	1.6			G5
BL (0°-30°)	3021.6	4.8	B4/5000		
BM (30°-60°)	6624.9	10.6	B4/8500		
BH (60°-80°)	4137.5	6.6	B4/5000		G4/5000
BVH (80°-90°)	607.7	1.0			G4/750
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





REPORT NUMBER: P319053

CATALOG NUMBER: GAN-SA9C-740-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3
2.5°	6717.5	6721.8	6730.4	6708.9	6648.7	6631.5	6625.1	6562.7	6521.9	6461.7	6410.2
5°	7254.7	7259.0	7246.1	7185.9	7052.7	6953.8	6945.2	6803.4	6674.5	6537.0	6433.8
7.5°	7815.5	7822.0	7781.2	7667.3	7480.3	7308.4	7297.7	7104.3	6908.7	6700.3	6545.5
10°	8311.9	8286.2	8219.5	8060.5	7839.2	7628.6	7620.0	7418.0	7192.4	6940.9	6734.7
12.5°	8642.9	8621.4	8535.4	8342.0	8099.2	7905.8	7888.6	7701.7	7482.5	7207.4	6960.3
15°	8825.5	8840.6	8724.5	8505.3	8269.0	8105.7	8090.6	7957.4	7761.8	7484.6	7201.0
17.5°	8849.2	8862.1	8750.3	8533.3	8339.9	8228.1	8221.7	8133.6	7991.8	7725.3	7428.7
20°	8711.6	8720.2	8627.8	8449.5	8322.7	8288.3	8286.2	8247.5	8142.2	7905.8	7617.9
22.5°	8511.8	8518.2	8451.6	8322.7	8279.7	8333.4	8348.5	8333.4	8258.2	8036.9	7766.1
25°	8462.4	8458.1	8389.3	8258.2	8294.8	8408.6	8428.0	8434.4	8382.9	8189.5	7955.2
27.5°	8700.9	8685.9	8554.8	8344.2	8367.8	8505.3	8531.1	8593.5	8561.2	8391.5	8170.1
30°	9390.7	9364.9	9096.3	8670.8	8554.8	8625.7	8657.9	8756.8	8763.2	8621.4	8455.9
32.5°	10555.4	10523.2	10041.8	9281.1	8870.7	8748.2	8778.3	8926.5	9006.0	8896.4	8718.1
35°	12027.4	11990.9	11359.1	10319.0	9399.3	8982.4	9003.9	9122.1	9281.1	9126.4	8890.0
37.5°	13561.7	13473.6	12865.5	11539.6	10239.5	9483.1	9483.1	9498.1	9573.4	9251.0	9092.0
40°	15087.4	14999.3	14449.2	12975.1	11326.9	10271.7	10222.3	9889.2	9829.1	9551.9	9498.1
42.5°	16505.7	16479.9	16155.4	14597.5	12603.3	11047.5	10978.7	10413.6	10426.5	10254.6	10256.7
45°	18014.2	18014.2	17749.9	16234.9	14090.3	12293.9	12225.1	11393.5	11522.4	11442.9	11634.1
47.5°	19245.5	19284.2	19247.7	17941.2	15820.2	13877.6	13753.0	12751.6	13112.6	13385.5	13942.1
50°	20502.7	20562.8	20569.3	19812.9	17911.1	15760.0	15618.2	14554.5	15360.3	16142.5	17236.3
52.5°	22327.1	22462.5	21923.1	21680.3	20472.6	17994.9	17855.2	16873.2	18218.4	19316.5	21201.0
55°	24018.3	23900.1	23515.4	23665.8	23214.6	20539.2	20433.9	19572.2	21403.0	22829.9	25277.5
57.5°	24933.7	24925.1	25311.9	25956.6	26171.5	23676.6	23588.5	22750.4	24993.9	26066.2	29104.7
60°	26008.1	26023.2	26981.6	28445.0	29330.3	27583.3	27544.6	26908.5	28481.5	29087.5	32106.7
62.5°	26158.6	26429.3	28079.7	30598.2	32287.2	32147.5	32233.5	30654.1	31601.7	31498.6	34348.0
65°	24428.7	24785.4	27772.4	31249.3	35226.9	37139.4	37219.0	34421.1	34062.2	33559.4	35149.6
67.5°	20883.0	21411.6	24656.5	29833.2	36196.1	40829.1	40940.8	37341.4	36103.7	34257.8	33219.8
70°	15197.0	15783.7	19050.0	25479.5	34468.4	42008.8	42135.6	38632.9	36181.0	32270.0	28359.0
72.5°	9180.1	9640.0	12332.5	18757.7	29091.8	39859.9	40085.6	36995.5	33032.9	27334.0	20941.0
75°	4031.3	4332.2	5963.2	10809.0	20827.1	32979.2	33260.7	31666.2	26839.8	19864.4	12377.7
77.5°	1717.0	1802.9	2445.4	4695.3	11773.8	22535.5	22922.3	23137.2	18209.8	10809.0	5230.4
80°	1070.2	1104.5	1383.9	2125.3	5509.8	12657.0	13073.9	13613.3	9042.6	3973.3	1826.6
82.5°	651.1	689.8	919.7	1285.0	2868.8	5737.6	5937.4	6317.8	3509.2	1717.0	945.5
85°	391.1	419.0	563.0	812.3	1633.2	2256.3	2254.2	2492.7	1652.5	1104.5	498.5
87.5°	187.0	208.4	300.8	421.2	823.0	846.7	792.9	898.2	1003.5	724.2	251.4
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: P319053
 CATALOG NUMBER: GAN-SA9C-740-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3	6397.3
2.5°	6393.0	6384.4	6356.4	6335.0	6330.7	6317.8	6307.0	6313.5	6322.1	6324.2	6324.2
5°	6390.8	6367.2	6330.7	6315.6	6335.0	6360.7	6393.0	6436.0	6461.7	6481.1	6494.0
7.5°	6494.0	6448.8	6408.0	6399.4	6438.1	6506.9	6579.9	6670.2	6732.5	6775.5	6784.1
10°	6665.9	6610.0	6569.2	6577.8	6646.5	6745.4	6848.5	6964.6	7059.1	7117.2	7121.5
12.5°	6863.6	6809.9	6771.2	6807.7	6921.6	7041.9	7149.4	7250.4	7336.3	7394.4	7394.4
15°	7091.4	7052.7	7007.6	7091.4	7246.1	7353.5	7398.7	7448.1	7495.4	7538.3	7529.7
17.5°	7310.6	7274.0	7250.4	7349.2	7510.4	7559.8	7529.7	7493.2	7493.2	7516.9	7521.2
20°	7499.7	7467.4	7482.5	7579.2	7663.0	7611.4	7499.7	7383.6	7336.3	7349.2	7362.1
22.5°	7665.1	7650.1	7695.2	7740.3	7680.2	7499.7	7293.4	7136.5	7078.5	7074.2	7078.5
25°	7858.5	7856.4	7912.3	7830.6	7564.1	7231.0	6953.8	6801.3	6769.0	6794.8	6837.8
27.5°	8099.2	8122.8	8150.8	7852.1	7327.7	6824.9	6543.4	6438.1	6470.3	6532.7	6573.5
30°	8406.5	8471.0	8410.8	7798.4	6988.2	6360.7	6092.1	6062.0	6150.2	6238.3	6281.2
32.5°	8705.2	8806.2	8660.1	7658.7	6549.8	5868.6	5660.2	5651.6	5759.1	5845.0	5905.2
35°	8945.9	9145.7	8847.0	7381.5	6042.7	5415.2	5262.7	5204.6	5243.3	5344.3	5413.1
37.5°	9259.6	9592.7	8976.0	6958.1	5492.6	5041.3	4863.0	4729.7	4695.3	4736.2	4770.6
40°	9833.4	10273.9	9036.1	6367.2	4955.4	4667.4	4486.9	4291.4	4156.0	4057.1	4059.3
42.5°	10770.3	11161.4	8997.4	5649.5	4459.0	4302.1	4098.0	3872.3	3653.1	3429.6	3412.5
45°	12291.7	12480.8	8881.4	4888.7	4022.7	3919.6	3728.3	3502.7	3210.5	2956.9	2933.2
47.5°	14726.4	14307.4	8700.9	4224.7	3638.1	3595.1	3418.9	3158.9	2849.4	2645.3	2628.1
50°	18046.5	16944.1	8612.8	3696.1	3298.6	3311.5	3167.5	2892.4	2600.2	2449.7	2432.6
52.5°	22017.6	20014.9	8782.6	3287.8	3025.7	3070.8	2963.3	2705.5	2460.5	2342.3	2325.1
55°	26137.1	23195.2	8965.2	2991.3	2767.8	2855.9	2819.4	2606.6	2385.3	2275.7	2260.6
57.5°	29663.4	25569.8	8599.9	2750.6	2537.9	2675.4	2707.6	2544.3	2346.6	2247.7	2230.6
60°	31883.2	26526.0	7641.5	2525.0	2355.2	2531.4	2643.1	2527.1	2361.6	2353.0	2340.2
62.5°	32936.2	26442.2	6203.9	2346.6	2241.3	2469.1	2690.4	2623.8	2533.6	2610.9	2617.4
65°	32463.4	25178.7	4620.1	2228.4	2159.6	2492.7	2832.3	2806.5	2583.0	2660.3	2671.1
67.5°	29351.8	22163.8	3421.0	2125.3	2069.4	2559.3	3090.1	2866.6	2486.3	2542.1	2507.8
70°	23723.9	17571.6	2638.8	2009.2	1977.0	2550.7	3206.2	2830.1	2381.0	2393.9	2301.5
72.5°	16359.6	11982.3	2146.8	1901.8	1843.8	2325.1	3124.5	2739.8	2292.9	2194.0	2071.5
75°	8896.4	6431.7	1824.4	1790.0	1609.5	2041.5	2974.1	2675.4	2213.4	2082.3	2013.5
77.5°	3500.6	2668.9	1583.7	1637.5	1407.5	1802.9	2806.5	2552.9	2103.8	1931.9	1897.5
80°	1429.0	1362.4	1313.0	1416.1	1209.8	1577.3	2604.5	2408.9	1972.7	1792.2	1723.4
82.5°	810.1	846.7	1020.7	1117.4	982.0	1452.7	2507.8	2292.9	1815.8	1605.2	1523.6
85°	414.7	496.4	711.3	801.5	722.0	1235.6	2310.1	2007.1	1457.0	1229.2	1235.6
87.5°	199.8	277.2	449.1	502.8	468.5	893.9	1725.6	1454.8	1134.6	898.2	870.3
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)