

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: P322640

Luminaire Tested: **GAN-SA6B-760-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-760-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24271 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

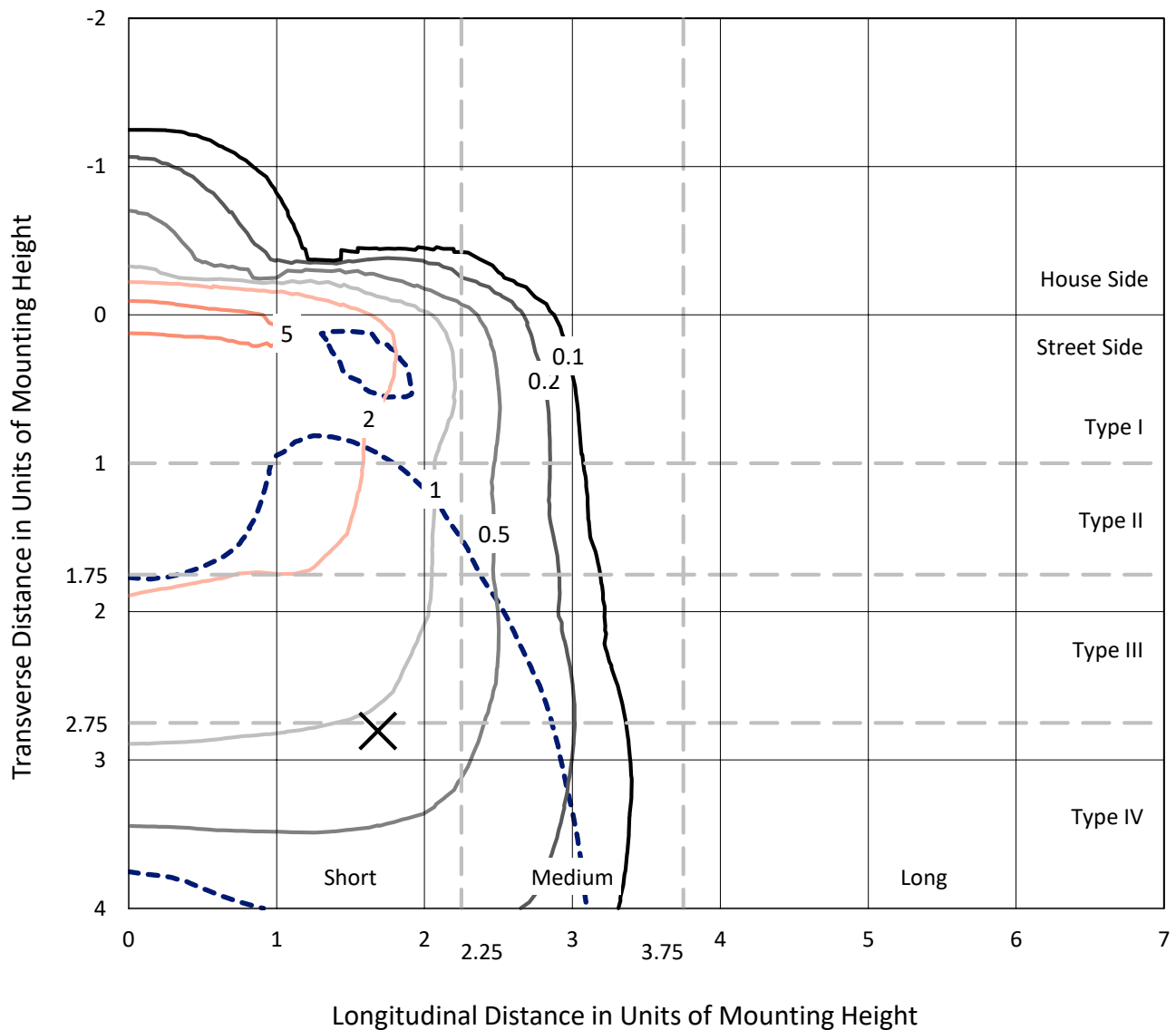
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322640
 CATALOG NUMBER: GAN-SA6B-760-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

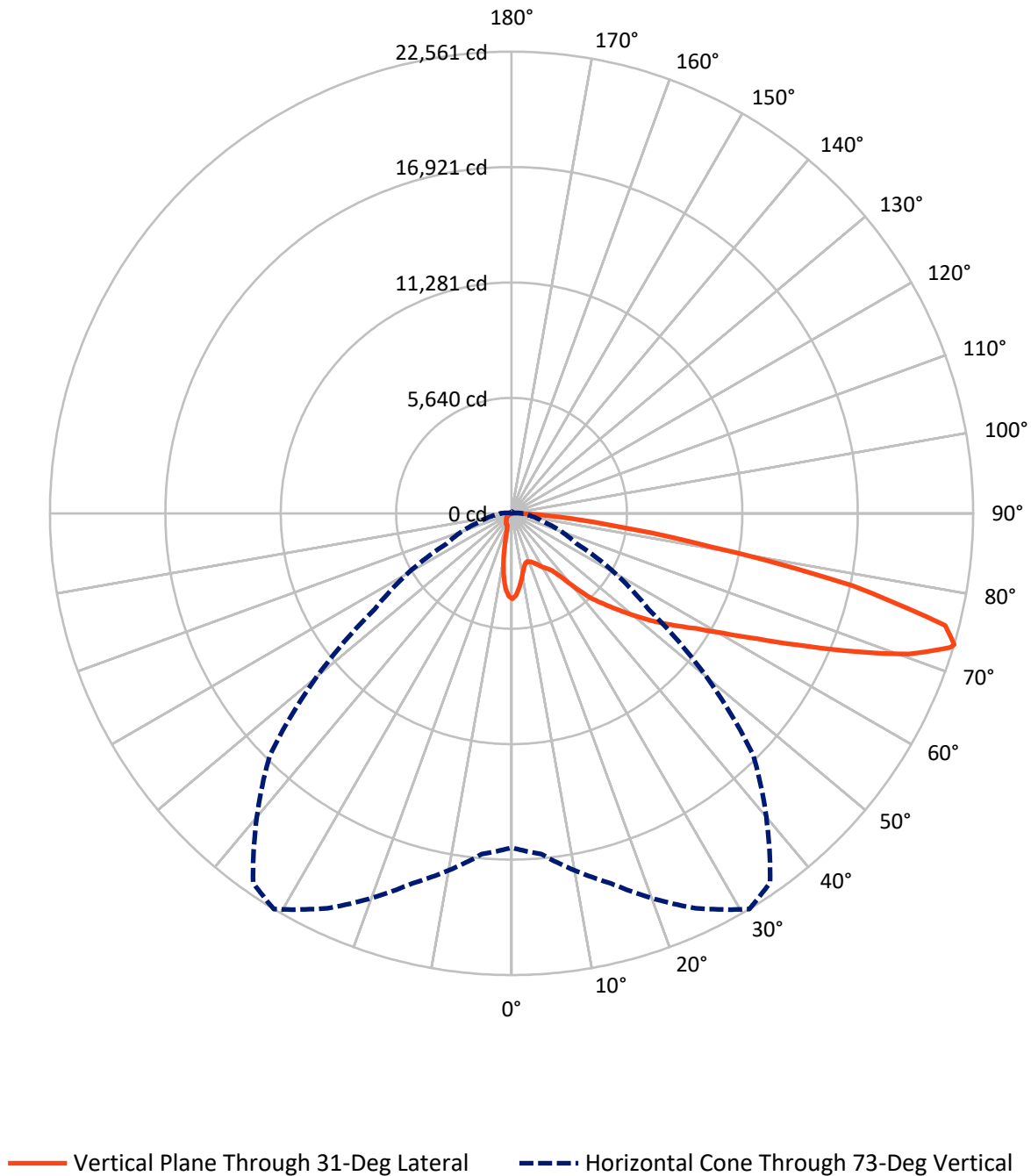
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P322640
CATALOG NUMBER: GAN-SA6B-760-U-T4FT-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2212.4	0.0	2212.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	22058.6	0.0	22058.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	24271.0	0.0	24271.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.2	1.4
10°-20°	751.8	3.1
20°-30°	1126.4	4.6
30°-40°	1792.1	7.4
40°-50°	3200.2	13.2
50°-60°	4965.8	20.5
60°-70°	6601.3	27.2
70°-80°	4965.5	20.5
80°-90°	521.8	2.1
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°	24271.0	100.0
0°-180°	24271.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322640

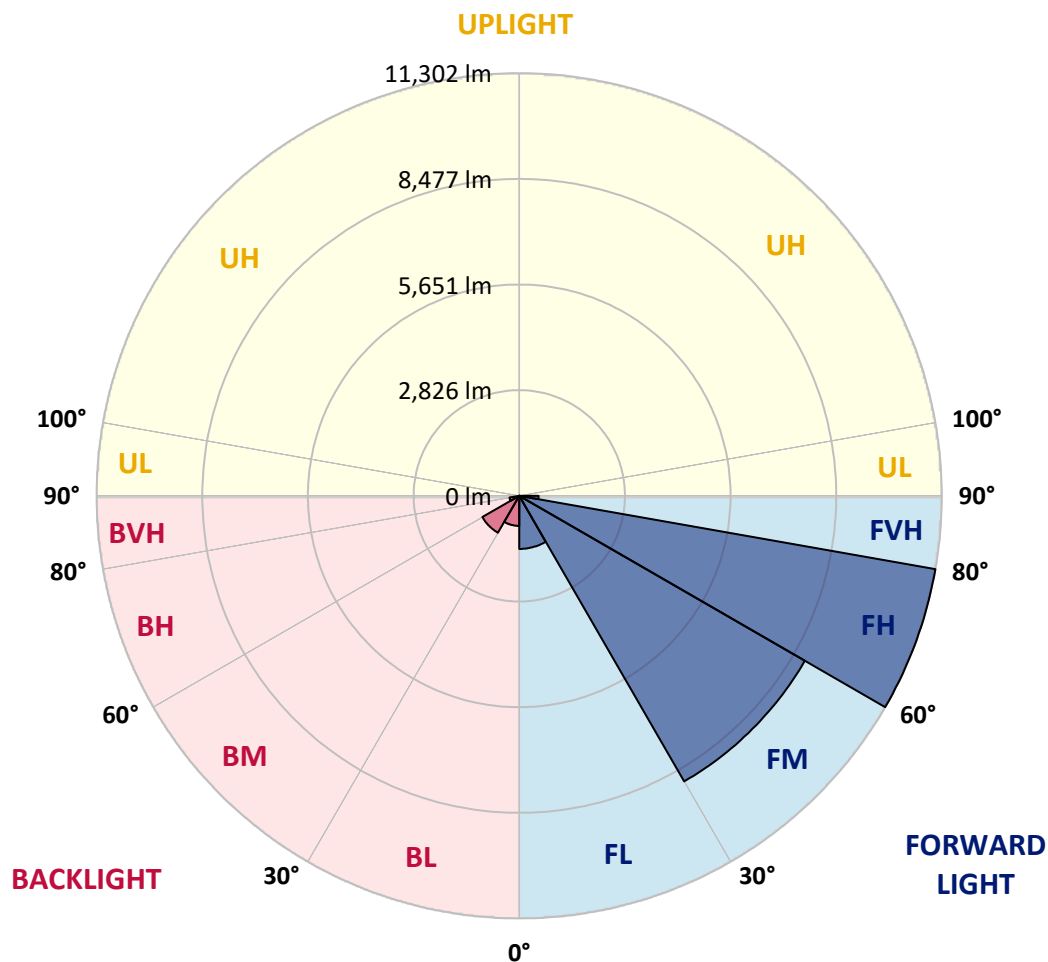
CATALOG NUMBER: GAN-SA6B-760-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1419.9	5.9			
FM	(30°-60°)	8819.2	36.3			
FH	(60°-80°)	11302.1	46.6			G4/12000
FVH	(80°-90°)	517.4	2.1			G4/750
BL	(0°-30°)	804.5	3.3	B2/1000		
BM	(30°-60°)	1138.8	4.7	B2/2500		
BH	(60°-80°)	264.7	1.1	B1/500		G1/500
BVH	(80°-90°)	4.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P322640

CATALOG NUMBER: GAN-SA6B-760-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9
2.5°	3957.3	3974.0	3991.8	3995.3	4025.0	4026.2	4069.0	4101.1	4133.1	4164.0	4174.7
5°	3551.2	3578.5	3610.5	3642.6	3705.6	3730.5	3835.0	3941.9	4044.0	4141.4	4188.9
7.5°	3117.7	3148.5	3193.7	3273.2	3343.3	3392.0	3557.1	3747.1	3937.2	4116.5	4219.8
10°	2722.2	2750.7	2798.2	2882.5	2990.6	3057.1	3279.2	3542.8	3821.9	4093.9	4266.1
12.5°	2470.4	2485.8	2511.9	2602.2	2699.6	2774.4	3035.7	3362.3	3726.9	4092.7	4341.0
15°	2424.1	2428.8	2407.4	2447.8	2523.8	2596.3	2861.1	3216.2	3654.5	4111.7	4438.4
17.5°	2497.7	2495.3	2424.1	2419.3	2479.9	2539.3	2775.6	3115.3	3603.4	4155.7	4564.2
20°	2609.3	2601.0	2477.5	2454.9	2519.1	2574.9	2769.7	3077.3	3584.4	4229.3	4717.5
22.5°	2757.8	2743.5	2549.9	2526.2	2595.1	2653.3	2843.3	3114.1	3601.0	4327.9	4895.6
25°	2941.9	2920.5	2674.7	2648.5	2718.6	2776.8	2975.1	3219.8	3650.9	4447.9	5121.3
27.5°	3149.7	3118.8	2874.2	2806.5	2886.1	2946.6	3150.9	3381.3	3729.3	4574.9	5398.0
30°	3345.7	3305.3	3084.4	2972.8	3070.1	3137.8	3340.9	3573.7	3855.2	4770.9	5776.9
32.5°	3542.8	3497.7	3272.1	3139.0	3226.9	3300.6	3536.9	3838.6	4091.6	5070.2	6280.4
35°	3996.5	3949.0	3672.3	3452.6	3451.4	3493.0	3811.3	4200.8	4403.9	5487.1	6881.4
37.5°	4760.2	4732.9	4469.2	4052.4	3940.7	3894.4	4185.4	4633.1	4852.9	6060.7	7559.6
40°	5596.3	5572.6	5276.9	4899.2	4729.3	4615.3	4722.2	5235.3	5487.1	6761.4	8252.0
42.5°	6540.5	6427.7	5900.4	5787.6	5635.5	5548.8	5452.6	5977.6	6266.2	7523.9	8938.5
45°	7398.0	7208.0	6523.9	6352.9	6318.4	6339.8	6393.3	6975.2	7142.7	8430.1	9622.6
47.5°	7908.7	7759.1	7234.1	7070.2	7060.7	7202.1	7605.9	8102.3	8015.6	9219.9	10224.7
50°	8394.5	8259.1	7823.2	7863.6	7907.6	8100.0	8982.4	9261.5	8812.6	9936.1	10777.0
52.5°	8787.6	8581.0	8352.9	8579.8	8795.9	9105.9	10402.9	10301.9	9377.9	10506.2	11249.7
55°	9014.5	8920.6	9031.1	9259.1	9665.3	10168.9	11743.8	11167.7	9791.2	11026.4	11564.4
57.5°	9845.8	9661.8	9881.5	10078.6	10608.3	11312.6	12892.2	11812.6	10089.3	11348.3	11636.9
60°	10851.8	10703.4	10832.8	11160.6	11875.6	12703.4	13965.9	12338.8	10244.9	11554.9	11449.2
62.5°	12452.8	12256.8	12176.1	12543.1	13490.8	14394.7	14780.7	12703.4	10210.5	11463.5	10805.5
65°	14597.7	14394.7	14033.6	14366.2	15571.6	16209.4	15691.6	12780.6	9972.9	10723.5	9178.4
67.5°	16795.0	16647.7	16338.9	16899.5	17987.4	18192.8	16654.8	12592.9	9208.1	8695.0	6484.7
70°	18246.3	18183.3	18384.1	19624.0	20594.3	20534.9	17538.4	11584.6	7177.1	5346.9	3207.9
72.5°	17200.0	17501.6	18983.8	21232.1	22417.4	21932.8	17084.7	8895.7	4102.2	2057.1	927.6
73°	16332.9	16718.9	18714.2	21292.7	22561.1	22030.2	16703.5	8165.3	3496.5	1623.6	703.1
75°	11362.5	11836.4	15493.3	19830.7	21888.9	20989.8	13923.1	4997.7	1620.0	719.7	283.9
77.5°	5516.8	5867.1	8531.1	14328.1	17023.0	16399.5	8667.7	1862.3	731.6	450.1	130.6
80°	2059.4	2289.8	3703.2	7292.3	9837.5	10095.3	3812.4	704.3	486.9	362.2	66.5
82.5°	539.2	601.0	1365.8	3251.9	5041.7	5276.9	1201.9	355.1	356.3	298.1	40.4
85°	172.2	197.2	426.4	1459.7	2375.4	2085.6	313.5	172.2	258.9	222.1	22.6
87.5°	21.4	27.3	135.4	343.2	523.8	291.0	48.7	51.1	110.5	123.5	13.1
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: P322640

CATALOG NUMBER: GAN-SA6B-760-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9	4175.9
2.5°	4185.4	4179.4	4180.6	4149.7	4129.6	4089.2	4047.6	4028.6	4008.4	4000.1	4008.4
5°	4206.8	4196.1	4165.2	4070.2	3969.2	3838.6	3716.2	3623.6	3507.2	3475.1	3508.4
7.5°	4240.0	4218.6	4128.4	3934.8	3710.3	3460.9	3180.6	2976.3	2808.9	2700.8	2740.0
10°	4288.7	4248.3	4066.6	3737.6	3336.2	2894.4	2496.5	2186.5	1966.8	1876.5	1873.0
12.5°	4370.7	4294.6	3990.6	3481.1	2878.9	2289.8	1768.5	1432.3	1254.2	1139.0	1136.6
15°	4460.9	4349.3	3894.4	3173.5	2346.9	1640.2	1139.0	883.6	768.4	731.6	726.9
17.5°	4571.4	4412.2	3769.7	2794.6	1789.8	1086.7	743.5	669.9	665.1	661.5	661.5
20°	4710.3	4487.0	3609.4	2361.1	1269.6	725.7	631.8	636.6	639.0	634.2	635.4
22.5°	4871.9	4563.1	3418.1	1895.5	858.7	606.9	604.5	610.5	612.8	610.5	611.7
25°	5059.5	4650.9	3185.4	1407.4	620.0	576.0	582.0	590.3	596.2	596.2	596.2
27.5°	5292.3	4757.8	2905.1	982.2	535.6	544.0	560.6	576.0	584.3	586.7	586.7
30°	5595.2	4890.9	2568.9	673.4	486.9	501.2	532.1	561.8	577.2	579.6	580.8
32.5°	5977.6	5040.5	2179.4	497.6	445.4	456.1	489.3	539.2	568.9	573.6	573.6
35°	6415.8	5213.9	1760.1	433.5	415.7	419.3	445.4	502.4	554.6	567.7	568.9
37.5°	6895.7	5384.9	1338.5	405.0	390.7	390.7	409.7	458.4	520.2	560.6	565.3
40°	7343.4	5488.3	938.3	382.4	368.2	368.2	384.8	420.4	478.6	539.2	552.3
42.5°	7756.7	5523.9	653.2	361.1	346.8	350.4	364.6	393.1	437.1	497.6	509.5
45°	8181.9	5518.0	476.3	336.1	325.4	336.1	346.8	368.2	400.2	434.7	437.1
47.5°	8502.6	5468.1	377.7	312.4	305.2	319.5	329.0	343.2	361.1	358.7	358.7
50°	8803.1	5346.9	304.0	280.3	285.0	301.7	306.4	311.2	312.4	289.8	287.4
52.5°	9031.1	5158.1	243.5	245.8	264.9	281.5	276.7	269.6	257.7	230.4	225.7
55°	9107.1	4794.7	191.2	203.1	235.2	256.5	238.7	223.3	200.7	178.2	173.4
57.5°	8969.3	4325.5	155.6	158.0	198.3	216.2	196.0	178.2	153.2	134.2	130.6
60°	8677.2	3804.1	128.3	118.8	153.2	168.7	155.6	137.8	115.2	101.0	99.8
62.5°	8097.6	3248.3	105.7	92.6	116.4	129.5	121.1	108.1	89.1	79.6	78.4
65°	6879.0	2598.6	85.5	74.8	90.3	101.0	93.8	84.3	70.1	62.9	61.8
67.5°	4801.8	1756.6	70.1	61.8	71.3	79.6	73.6	68.9	55.8	54.6	55.8
70°	2316.0	846.8	58.2	49.9	55.8	61.8	59.4	55.8	53.4	61.8	71.3
72.5°	663.9	283.9	46.3	41.6	45.1	48.7	51.1	49.9	58.2	74.8	86.7
73°	510.7	229.2	43.9	39.2	42.8	47.5	49.9	48.7	59.4	76.0	86.7
75°	218.5	110.5	33.3	32.1	35.6	41.6	43.9	43.9	59.4	77.2	83.1
77.5°	98.6	59.4	21.4	24.9	30.9	33.3	36.8	36.8	47.5	59.4	59.4
80°	55.8	32.1	16.6	19.0	22.6	22.6	22.6	20.2	21.4	23.8	26.1
82.5°	35.6	21.4	13.1	15.4	14.3	11.9	9.5	9.5	8.3	9.5	11.9
85°	20.2	11.9	11.9	9.5	5.9	4.8	5.9	4.8	1.2	0.0	1.2
87.5°	11.9	7.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)