

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: P322630

Luminaire Tested: **GAN-SA6A-760-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322630
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-SA6A-760-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 615mA 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: 19793 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

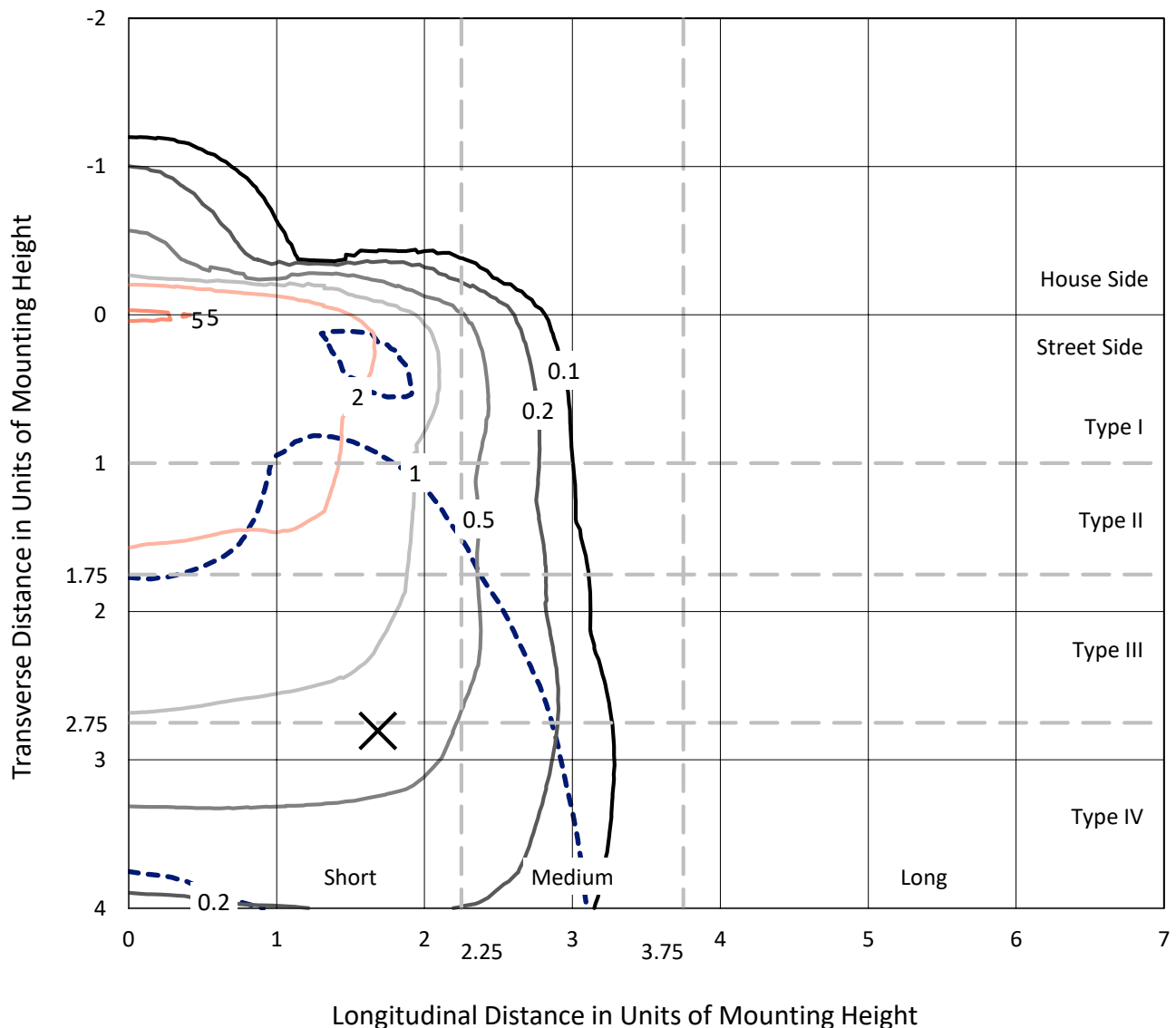
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

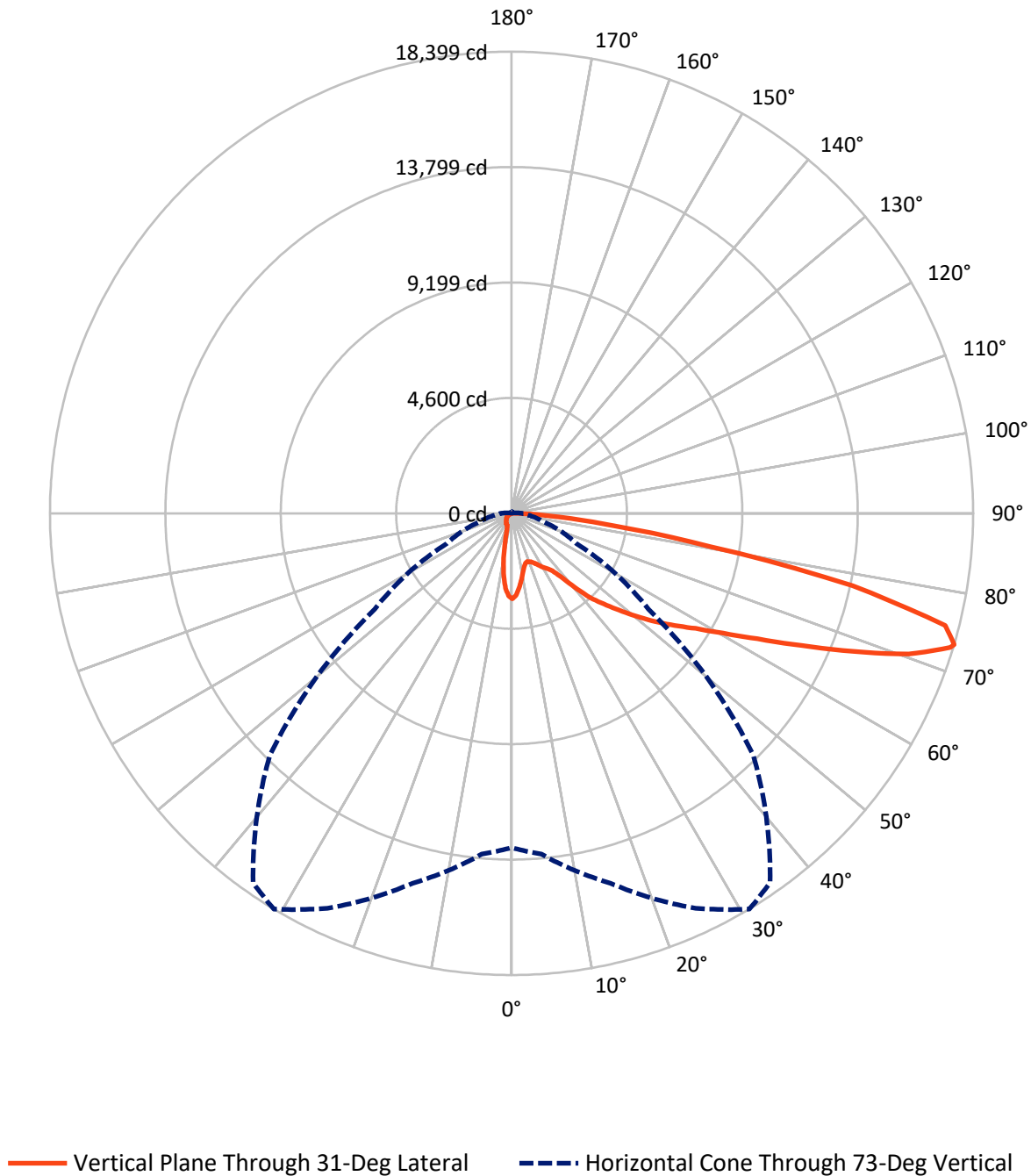
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1804.2	0.0	1804.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	17988.8	0.0	17988.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	19793.0	0.0	19793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	1.4
10°-20°	613.1	3.1
20°-30°	918.6	4.6
30°-40°	1461.4	7.4
40°-50°	2609.7	13.2
50°-60°	4049.6	20.5
60°-70°	5383.4	27.2
70°-80°	4049.4	20.5
80°-90°	425.5	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°	19793.0	100.0
0°-180°	19793.0	100.0

Coefficient of Utilization



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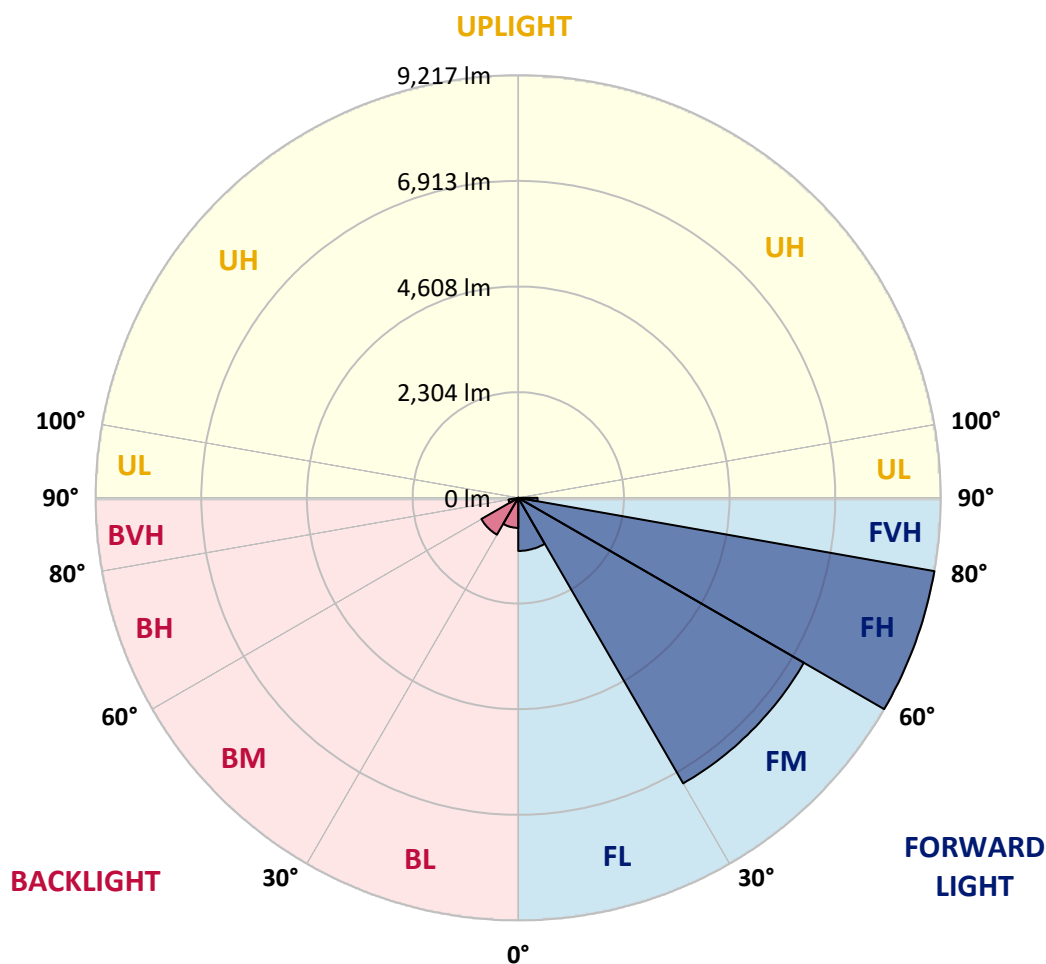
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1157.9	5.9			
FM	(30°-60°)	7192.1	36.3			
FH	(60°-80°)	9216.9	46.6			G4/12000
FVH	(80°-90°)	421.9	2.1			G3/500
BL	(0°-30°)	656.1	3.3	B2/1000		
BM	(30°-60°)	928.7	4.7	B1/1000		
BH	(60°-80°)	215.9	1.1	B1/500		G1/500
BVH	(80°-90°)	3.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4
2.5°	3227.2	3240.8	3255.3	3258.2	3282.4	3283.4	3318.3	3344.4	3370.6	3395.7	3404.5
5°	2896.0	2918.2	2944.4	2970.5	3021.9	3042.2	3127.5	3214.6	3297.9	3377.3	3416.1
7.5°	2542.4	2567.6	2604.4	2669.3	2726.5	2766.2	2900.8	3055.8	3210.7	3357.0	3441.3
10°	2219.9	2243.2	2281.9	2350.7	2438.8	2493.1	2674.2	2889.2	3116.8	3338.6	3479.0
12.5°	2014.6	2027.2	2048.5	2122.1	2201.5	2262.5	2475.6	2742.0	3039.3	3337.6	3540.1
15°	1976.8	1980.7	1963.3	1996.2	2058.2	2117.3	2333.2	2622.8	2980.2	3353.1	3619.5
17.5°	2036.9	2034.9	1976.8	1972.9	2022.3	2070.8	2263.5	2540.5	2938.6	3389.0	3722.1
20°	2127.9	2121.1	2020.4	2002.0	2054.3	2099.8	2258.7	2509.5	2923.1	3449.0	3847.1
22.5°	2249.0	2237.4	2079.5	2060.1	2116.3	2163.7	2318.7	2539.5	2936.6	3529.4	3992.4
25°	2399.1	2381.7	2181.2	2159.9	2217.0	2264.5	2426.2	2625.7	2977.3	3627.2	4176.4
27.5°	2568.6	2543.4	2343.9	2288.7	2353.6	2403.0	2569.6	2757.5	3041.3	3730.9	4402.1
30°	2728.4	2695.5	2515.3	2424.3	2503.7	2558.9	2724.5	2914.4	3143.9	3890.7	4711.0
32.5°	2889.2	2852.4	2668.4	2559.9	2631.6	2691.6	2884.3	3130.4	3336.7	4134.7	5121.7
35°	3259.2	3220.4	2994.8	2815.6	2814.6	2848.5	3108.1	3425.8	3591.4	4474.7	5611.8
37.5°	3882.0	3859.7	3644.7	3304.7	3213.7	3175.9	3413.2	3778.3	3957.5	4942.5	6164.8
40°	4563.8	4544.4	4303.3	3995.3	3856.8	3763.8	3851.0	4269.4	4474.7	5514.0	6729.5
42.5°	5333.8	5241.8	4811.8	4719.8	4595.8	4525.1	4446.6	4874.7	5110.1	6135.8	7289.3
45°	6033.1	5878.1	5320.3	5180.8	5152.7	5170.1	5213.7	5688.3	5824.9	6874.8	7847.2
47.5°	6449.6	6327.5	5899.4	5765.8	5758.0	5873.3	6202.6	6607.5	6536.8	7518.9	8338.3
50°	6845.7	6735.3	6379.8	6412.8	6448.6	6605.5	7325.2	7552.8	7186.7	8102.9	8788.6
52.5°	7166.3	6997.8	6811.8	6996.8	7173.1	7425.9	8483.5	8401.2	7647.7	8567.8	9174.1
55°	7351.3	7274.8	7364.9	7550.8	7882.1	8292.7	9577.0	9107.3	7984.7	8992.0	9430.8
57.5°	8029.3	7879.2	8058.3	8219.1	8651.1	9225.5	10513.6	9633.2	8227.8	9254.5	9489.9
60°	8849.7	8728.6	8834.2	9101.5	9684.5	10359.6	11389.2	10062.3	8354.7	9423.0	9336.8
62.5°	10155.3	9995.4	9929.6	10228.9	11001.8	11738.8	12053.6	10359.6	8326.6	9348.5	8811.9
65°	11904.5	11738.8	11444.4	11715.6	12698.7	13218.8	12796.5	10422.6	8132.9	8745.0	7485.0
67.5°	13696.3	13576.2	13324.4	13781.5	14668.7	14836.3	13582.0	10269.5	7509.2	7090.8	5288.3
70°	14879.9	14828.5	14992.2	16003.4	16794.7	16746.3	14302.6	9447.2	5853.0	4360.4	2616.1
72.5°	14026.6	14272.6	15481.3	17314.8	18281.4	17886.2	13932.6	7254.4	3345.4	1677.5	756.4
73°	13319.5	13634.3	15261.5	17364.2	18398.6	17965.7	13621.7	6658.8	2851.4	1324.0	573.4
75°	9266.1	9652.6	12634.8	16171.9	17850.4	17117.2	11354.3	4075.7	1321.1	586.9	231.5
77.5°	4498.9	4784.6	6957.1	11684.6	13882.2	13373.8	7068.5	1518.7	596.6	367.1	106.5
80°	1679.5	1867.4	3019.9	5946.9	8022.5	8232.7	3109.0	574.4	397.1	295.4	54.2
82.5°	439.7	490.1	1113.8	2651.9	4111.5	4303.3	980.2	289.6	290.6	243.1	32.9
85°	140.4	160.8	347.7	1190.3	1937.1	1700.8	255.7	140.4	211.1	181.1	18.4
87.5°	17.4	22.3	110.4	279.9	427.1	237.3	39.7	41.6	90.1	100.7	10.7
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°	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4	3405.4
2.5°	3413.2	3408.3	3409.3	3384.1	3367.7	3334.7	3300.8	3285.3	3268.9	3262.1	3268.9
5°	3430.6	3421.9	3396.7	3319.2	3236.9	3130.4	3030.6	2955.0	2860.1	2834.0	2861.1
7.5°	3457.7	3440.3	3366.7	3208.8	3025.8	2822.4	2593.8	2427.2	2290.6	2202.5	2234.4
10°	3497.4	3464.5	3316.3	3048.0	2720.7	2360.4	2035.9	1783.1	1603.9	1530.3	1527.4
12.5°	3564.3	3502.3	3254.3	2838.8	2347.8	1867.4	1442.2	1168.1	1022.8	928.8	926.9
15°	3637.9	3546.8	3175.9	2588.0	1913.9	1337.6	928.8	720.6	626.7	596.6	592.8
17.5°	3728.0	3598.2	3074.2	2279.0	1459.6	886.2	606.3	546.3	542.4	539.5	539.5
20°	3841.3	3659.2	2943.4	1925.5	1035.4	591.8	515.3	519.1	521.1	517.2	518.2
22.5°	3973.0	3721.2	2787.5	1545.8	700.3	494.9	493.0	497.8	499.8	497.8	498.8
25°	4126.0	3792.8	2597.7	1147.7	505.6	469.7	474.6	481.4	486.2	486.2	486.2
27.5°	4315.9	3880.0	2369.1	801.0	436.8	443.6	457.2	469.7	476.5	478.5	478.5
30°	4562.8	3988.5	2095.0	549.2	397.1	408.7	433.9	458.1	470.7	472.7	473.6
32.5°	4874.7	4110.5	1777.3	405.8	363.2	371.9	399.0	439.7	463.9	467.8	467.8
35°	5232.1	4251.9	1435.4	353.5	339.0	341.9	363.2	409.7	452.3	463.0	463.9
37.5°	5623.4	4391.4	1091.6	330.3	318.7	318.7	334.2	373.9	424.2	457.2	461.0
40°	5988.6	4475.7	765.2	311.9	300.3	300.3	313.8	342.9	390.3	439.7	450.4
42.5°	6325.6	4504.7	532.7	294.4	282.8	285.7	297.3	320.6	356.4	405.8	415.5
45°	6672.3	4499.9	388.4	274.1	265.4	274.1	282.8	300.3	326.4	354.5	356.4
47.5°	6933.9	4459.2	308.0	254.7	248.9	260.5	268.3	279.9	294.4	292.5	292.5
50°	7178.9	4360.4	247.9	228.6	232.5	246.0	249.9	253.8	254.7	236.3	234.4
52.5°	7364.9	4206.4	198.6	200.5	216.0	229.5	225.7	219.9	210.2	187.9	184.0
55°	7426.9	3910.0	155.9	165.6	191.8	209.2	194.7	182.1	163.7	145.3	141.4
57.5°	7314.5	3527.5	126.9	128.8	161.7	176.3	159.8	145.3	124.9	109.4	106.5
60°	7076.2	3102.3	104.6	96.9	124.9	137.5	126.9	112.4	93.9	82.3	81.4
62.5°	6603.6	2649.0	86.2	75.5	94.9	105.6	98.8	88.1	72.6	64.9	63.9
65°	5609.8	2119.2	69.7	61.0	73.6	82.3	76.5	68.8	57.1	51.3	50.4
67.5°	3915.9	1432.5	57.1	50.4	58.1	64.9	60.1	56.2	45.5	44.6	45.5
70°	1888.7	690.6	47.5	40.7	45.5	50.4	48.4	45.5	43.6	50.4	58.1
72.5°	541.4	231.5	37.8	33.9	36.8	39.7	41.6	40.7	47.5	61.0	70.7
73°	416.5	186.9	35.8	32.0	34.9	38.7	40.7	39.7	48.4	62.0	70.7
75°	178.2	90.1	27.1	26.2	29.1	33.9	35.8	35.8	48.4	63.0	67.8
77.5°	80.4	48.4	17.4	20.3	25.2	27.1	30.0	30.0	38.7	48.4	48.4
80°	45.5	26.2	13.6	15.5	18.4	18.4	18.4	16.5	17.4	19.4	21.3
82.5°	29.1	17.4	10.7	12.6	11.6	9.7	7.7	7.7	6.8	7.7	9.7
85°	16.5	9.7	9.7	7.7	4.8	3.9	4.8	3.9	1.0	0.0	1.0
87.5°	9.7	5.8	2.9	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)