

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: P322800

Luminaire Tested: **GAN-SA6B-727-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20717 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

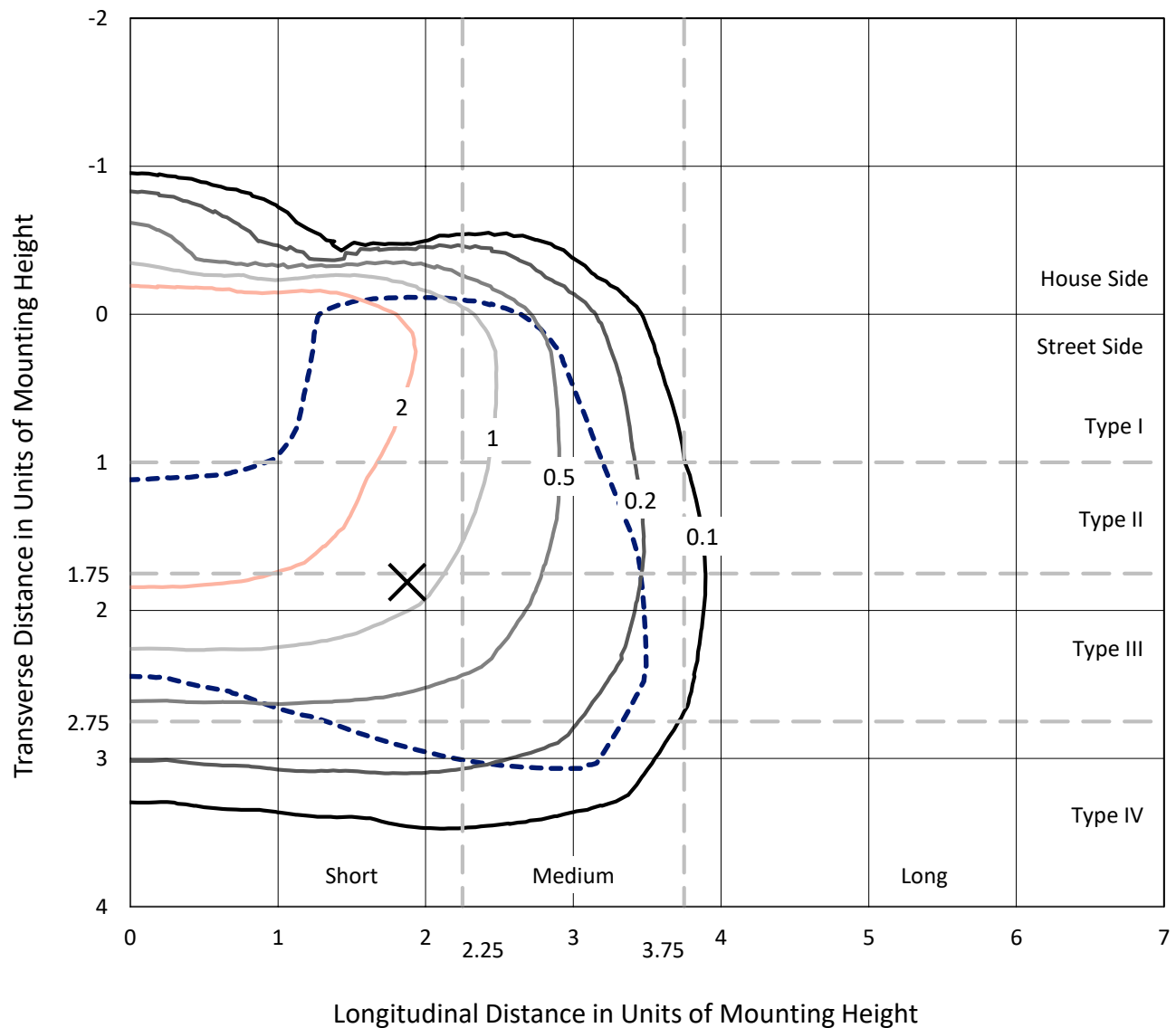
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322800
 CATALOG NUMBER: GAN-SA6B-727-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

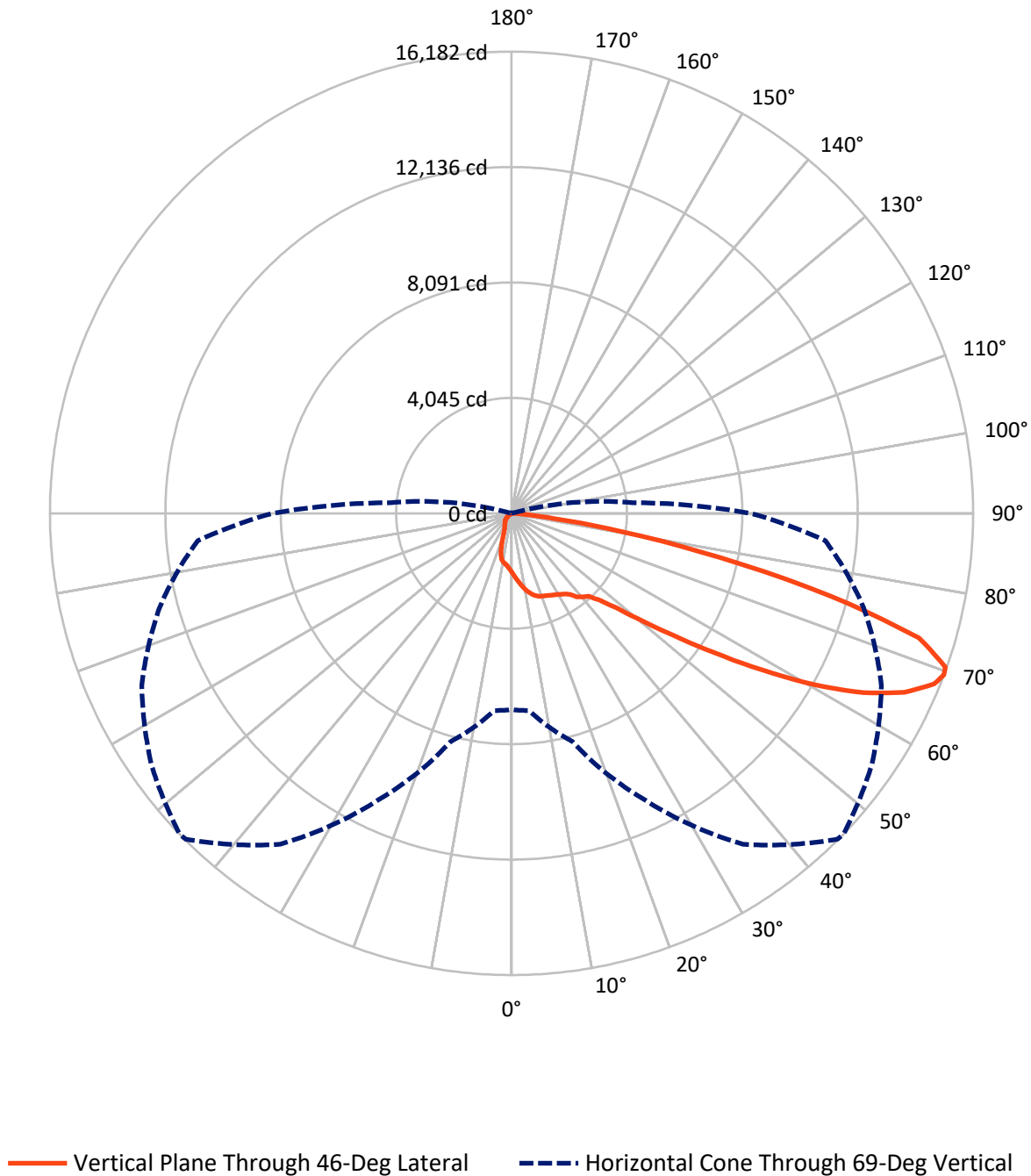
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P322800
CATALOG NUMBER: GAN-SA6B-727-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322800

CATALOG NUMBER: GAN-SA6B-727-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2126.1	0.0	2126.1
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	18590.9	0.0	18590.9
	% Fixture	89.7	0.0	89.7
Total	Lumens	20717.0	0.0	20717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.6	1.0
10°-20°	626.8	3.0
20°-30°	985.8	4.8
30°-40°	1413.6	6.8
40°-50°	2443.2	11.8
50°-60°	4826.8	23.3
60°-70°	6745.8	32.6
70°-80°	3259.0	15.7
80°-90°	209.5	1.0
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°	20717.0	100.0
0°-180°	20717.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322800

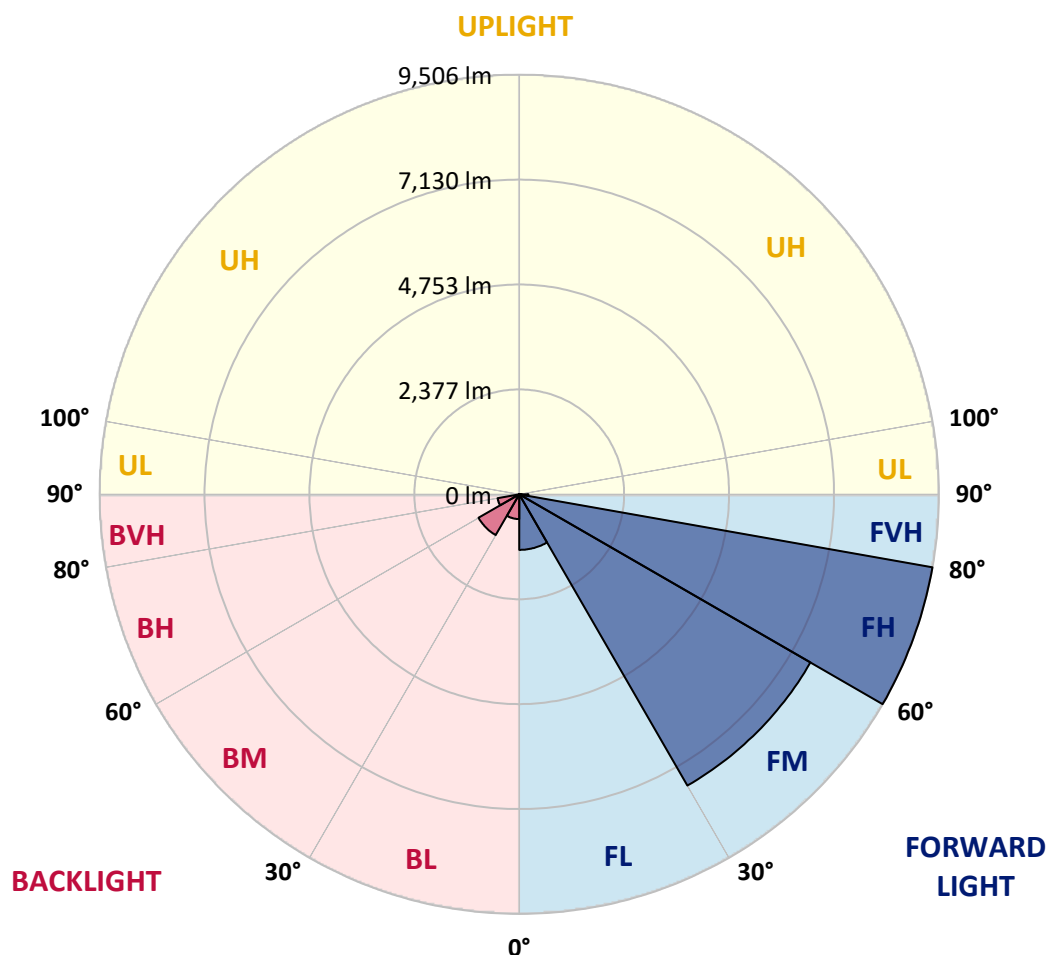
CATALOG NUMBER: GAN-SA6B-727-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1258.8	6.1			
FM	(30°-60°)	7618.1	36.8			
FH	(60°-80°)	9506.3	45.9			G4/12000
FVH	(80°-90°)	207.7	1.0			G2/225
BL	(0°-30°)	560.4	2.7	B2/1000		
BM	(30°-60°)	1065.5	5.1	B2/2500		
BH	(60°-80°)	498.5	2.4	B1/500		G1/500
BVH	(80°-90°)	1.8	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: P322800

CATALOG NUMBER: GAN-SA6B-727-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8
2.5°	2306.0	2303.1	2289.5	2283.6	2250.6	2231.2	2223.4	2199.1	2164.2	2129.2	2090.3
5°	2568.2	2567.3	2542.0	2517.7	2455.6	2397.3	2386.6	2330.3	2251.6	2177.8	2103.9
7.5°	2836.3	2823.7	2798.4	2751.8	2661.5	2568.2	2559.5	2479.8	2368.1	2261.3	2155.4
10°	3063.6	3055.9	3022.8	2951.9	2846.0	2740.2	2729.5	2631.4	2505.1	2374.0	2239.0
12.5°	3240.4	3234.6	3190.9	3102.5	2989.8	2880.0	2865.5	2778.0	2643.0	2496.4	2337.1
15°	3348.2	3345.3	3291.9	3197.7	3086.9	2991.7	2979.1	2902.4	2777.1	2623.6	2443.9
17.5°	3373.5	3374.5	3319.1	3223.9	3132.6	3064.6	3054.9	2996.6	2891.7	2739.2	2550.8
20°	3317.1	3328.8	3279.3	3196.7	3140.4	3104.4	3096.7	3061.7	2973.3	2829.5	2636.2
22.5°	3237.5	3243.3	3209.3	3154.0	3130.6	3137.4	3133.6	3114.1	3039.3	2907.2	2720.7
25°	3188.9	3188.9	3168.5	3121.9	3137.4	3179.2	3180.2	3176.3	3117.0	3002.4	2823.7
27.5°	3187.0	3181.2	3157.8	3122.9	3165.6	3229.7	3233.6	3259.8	3222.9	3118.0	2951.9
30°	3264.7	3257.9	3208.4	3162.7	3217.1	3286.1	3295.8	3353.1	3334.6	3243.3	3094.7
32.5°	3446.3	3422.1	3312.3	3237.5	3278.3	3360.9	3373.5	3464.8	3493.9	3397.8	3232.6
35°	3695.0	3618.3	3459.9	3379.3	3383.2	3469.6	3481.3	3615.3	3701.8	3539.6	3339.5
37.5°	4037.9	4000.0	3742.6	3527.0	3544.4	3675.6	3709.6	3855.3	3831.0	3617.3	3460.9
40°	4789.7	4730.5	4456.5	3940.7	3698.9	3842.6	3853.3	3931.0	3933.0	3793.1	3713.5
42.5°	5813.5	5789.2	5500.7	4691.6	4002.9	3954.3	3973.8	4104.9	4251.6	4164.2	4160.3
45°	6947.1	6934.4	6628.5	5688.2	4617.8	4320.5	4344.8	4520.6	4801.4	4820.8	4944.2
47.5°	7859.2	7853.3	7677.5	6800.4	5559.0	4941.2	4949.0	5135.5	5628.9	5872.8	6069.9
50°	8690.6	8718.8	8579.9	8003.9	6841.2	5913.6	5895.1	6019.4	6812.0	7211.3	7456.1
52.5°	9846.5	9886.4	9496.8	9126.8	8186.5	7120.0	7105.4	7235.6	8234.1	8533.3	8577.0
55°	10867.4	10799.4	10491.5	10384.7	9827.1	8610.0	8606.1	8720.7	9609.5	9736.8	9817.4
57.5°	11318.1	11291.9	11440.5	11685.3	11545.4	10371.1	10362.3	10274.9	10840.2	10853.8	11101.5
60°	11602.7	11634.8	12090.3	12845.1	13193.8	12266.2	12209.8	11676.5	12015.5	11985.4	12250.6
62.5°	11389.0	11452.2	12272.0	13529.9	14427.4	13920.4	13840.7	12960.7	13019.9	12916.0	13162.7
65°	10254.5	10352.6	11696.0	13400.7	15039.3	15213.2	15132.6	14094.2	13817.4	13646.4	13509.5
67.5°	8326.4	8384.7	9787.3	12276.8	14763.5	15984.5	15968.0	15087.9	14419.6	13523.1	12460.4
69°	6881.0	6938.3	8288.5	11093.7	14156.4	16149.6	16181.6	15406.5	14305.0	12773.2	11040.3
70°	5828.1	5889.3	7147.2	10079.7	13452.2	16072.9	16130.2	15376.4	13976.7	11904.8	9794.1
72.5°	3056.8	3109.3	4400.2	6944.2	10966.5	14758.6	14932.5	14076.7	11847.5	8645.9	5791.2
75°	960.7	990.8	1718.3	3629.9	7508.5	11475.5	11515.3	11042.3	8412.8	4755.7	2411.9
77.5°	366.2	357.5	572.1	1337.5	3796.0	7225.8	7469.6	6900.4	4414.8	1681.4	556.6
80°	197.2	198.2	297.2	553.7	1624.1	3713.5	3919.4	3344.3	1568.7	524.5	128.2
82.5°	85.5	89.4	167.1	293.3	746.0	1369.6	1472.6	1225.8	599.3	352.6	47.6
85°	18.5	20.4	80.6	159.3	304.0	384.7	403.1	397.3	381.7	273.9	18.5
87.5°	0.0	0.0	35.9	57.3	76.7	87.4	76.7	100.0	210.8	184.6	9.7
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: P322800

CATALOG NUMBER: GAN-SA6B-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8	2075.8
2.5°	2077.7	2060.2	2030.1	1997.1	1973.8	1949.5	1930.1	1921.3	1911.6	1904.8	1913.6
5°	2073.8	2039.8	1981.5	1925.2	1884.4	1851.4	1824.2	1813.5	1802.8	1795.0	1794.1
7.5°	2107.8	2060.2	1970.9	1888.3	1825.2	1780.5	1743.6	1728.0	1715.4	1709.6	1704.7
10°	2172.9	2111.7	1992.2	1884.4	1802.8	1727.1	1647.4	1586.2	1546.4	1527.9	1521.1
12.5°	2257.4	2180.7	2033.0	1904.8	1786.3	1640.6	1471.6	1325.9	1231.7	1200.6	1182.1
15°	2356.5	2261.3	2086.5	1931.0	1726.1	1459.9	1173.4	983.0	895.6	878.1	858.7
17.5°	2451.7	2346.8	2150.6	1935.9	1594.0	1166.6	859.6	730.5	696.5	708.1	711.0
20°	2535.2	2431.3	2213.7	1893.2	1354.1	875.2	665.4	633.3	645.9	668.3	672.2
22.5°	2619.7	2512.9	2272.0	1780.5	1047.1	664.4	599.3	607.1	619.7	642.1	645.9
25°	2722.7	2611.9	2326.4	1573.6	785.8	565.3	569.2	580.9	593.5	613.9	615.8
27.5°	2841.2	2737.3	2362.3	1304.5	582.8	519.7	532.3	549.8	562.4	581.8	585.7
30°	2998.5	2902.4	2374.0	1025.7	488.6	478.9	484.7	506.1	524.5	542.0	544.9
32.5°	3146.2	3065.6	2335.1	774.2	452.6	441.0	441.0	453.6	475.0	491.5	495.4
35°	3282.2	3229.7	2210.8	566.3	425.4	406.0	396.3	396.3	409.9	423.5	427.4
37.5°	3461.9	3459.9	2009.7	451.7	399.2	376.9	356.5	340.9	336.1	339.0	340.9
40°	3769.8	3772.7	1747.5	405.1	376.9	346.8	315.7	287.5	261.3	252.5	251.6
42.5°	4250.6	4206.9	1472.6	382.7	357.5	315.7	269.1	231.2	190.4	177.8	176.8
45°	5014.1	4754.7	1181.2	362.3	337.1	280.7	222.4	171.0	137.9	128.2	128.2
47.5°	6126.3	5474.5	915.0	340.0	309.9	240.9	168.0	123.4	101.0	96.2	97.1
50°	7276.4	6179.7	701.3	311.8	276.8	199.1	124.3	89.4	76.7	76.7	77.7
52.5°	8296.3	6696.5	546.9	281.7	236.0	156.4	94.2	69.9	64.1	63.1	64.1
55°	9251.1	7029.6	418.7	246.7	187.5	116.6	71.9	57.3	53.4	51.5	50.5
57.5°	10171.9	7194.8	313.7	199.1	136.0	84.5	57.3	48.6	44.7	41.8	40.8
60°	10784.9	7060.7	215.6	146.7	94.2	61.2	47.6	41.8	36.9	34.0	33.0
62.5°	11130.7	6694.5	138.9	105.9	67.0	45.7	37.9	35.0	28.2	25.3	25.3
65°	10990.8	6090.3	97.1	75.8	48.6	34.0	28.2	28.2	20.4	16.5	15.5
67.5°	9739.7	5145.2	73.8	56.3	35.0	25.3	21.4	24.3	12.6	7.8	7.8
69°	8379.8	4264.2	63.1	46.6	29.1	20.4	18.5	22.3	8.7	5.8	4.9
70°	7283.2	3678.5	57.3	40.8	24.3	17.5	16.5	21.4	8.7	4.9	3.9
72.5°	4357.5	2051.5	43.7	29.1	15.5	13.6	13.6	24.3	8.7	4.9	3.9
75°	1761.0	722.7	32.1	20.4	11.7	11.7	16.5	31.1	7.8	3.9	2.9
77.5°	399.2	158.3	18.5	12.6	7.8	11.7	19.4	24.3	4.9	1.9	0.0
80°	97.1	38.9	11.7	7.8	4.9	8.7	14.6	13.6	1.0	0.0	0.0
82.5°	32.1	13.6	4.9	3.9	1.0	2.9	6.8	3.9	0.0	0.0	0.0
85°	13.6	7.8	1.9	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
87.5°	8.7	2.9	0.0	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)