

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: P323197

Luminaire Tested: **GAN-SA3B-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14450 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

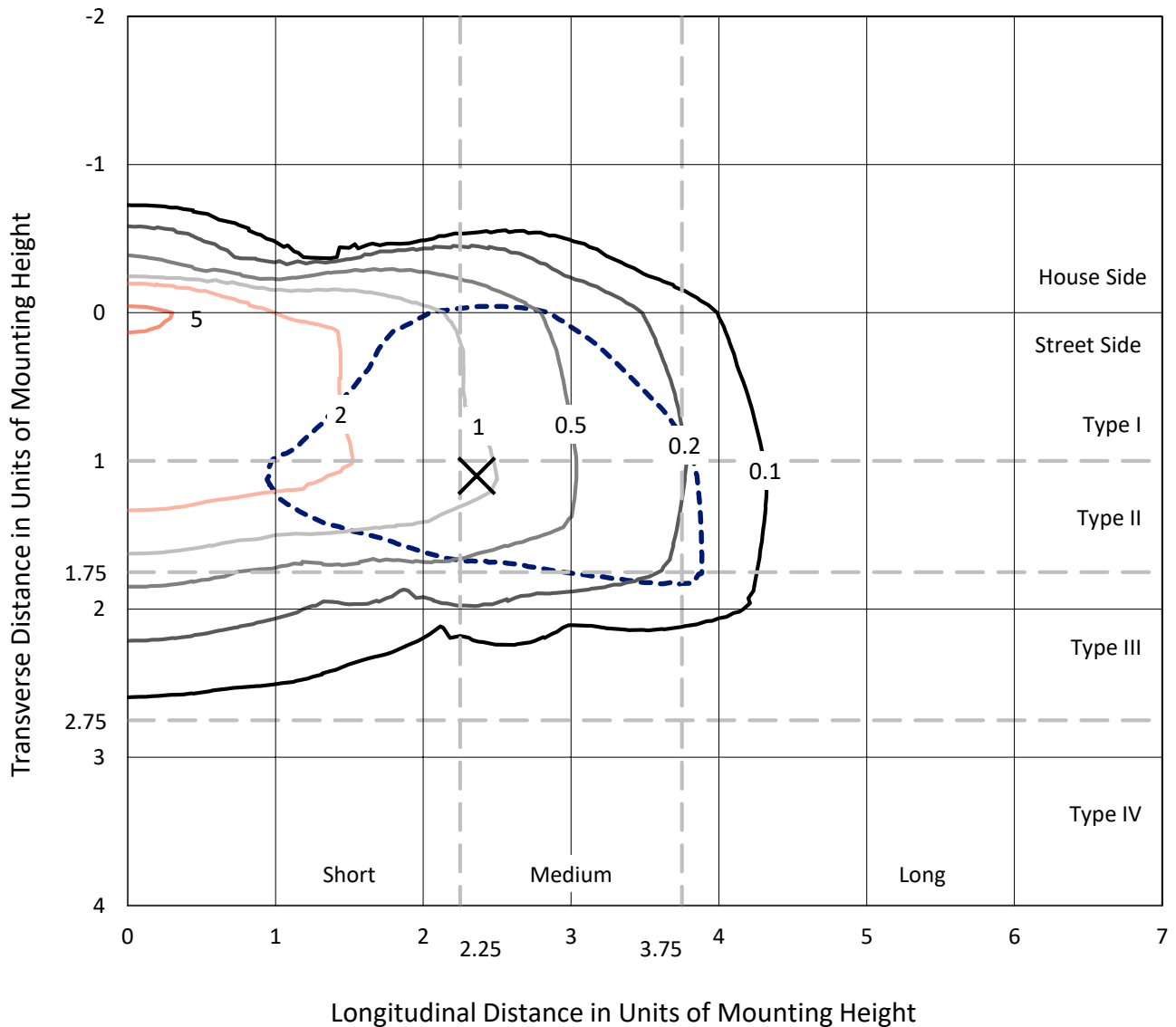
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

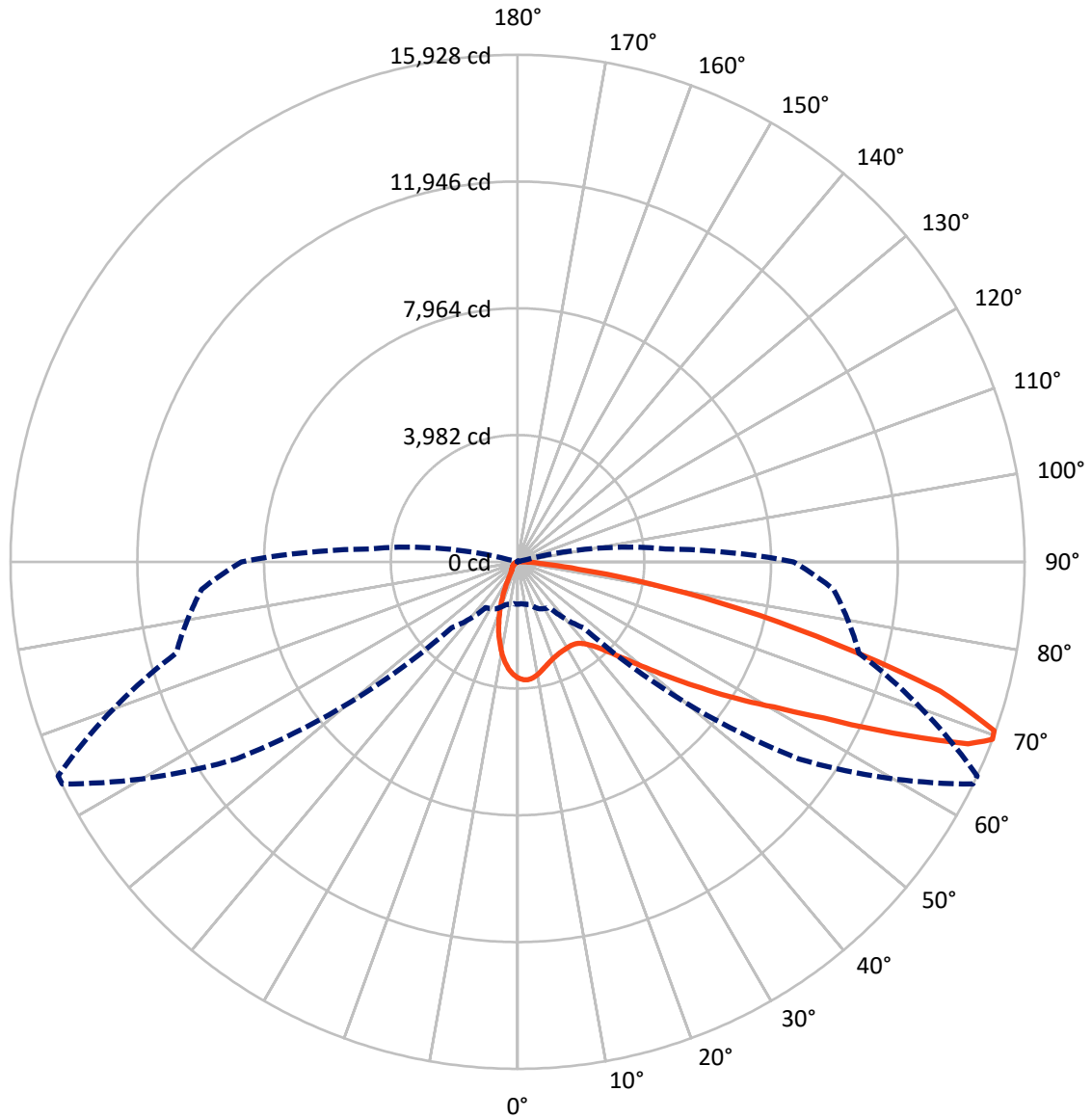
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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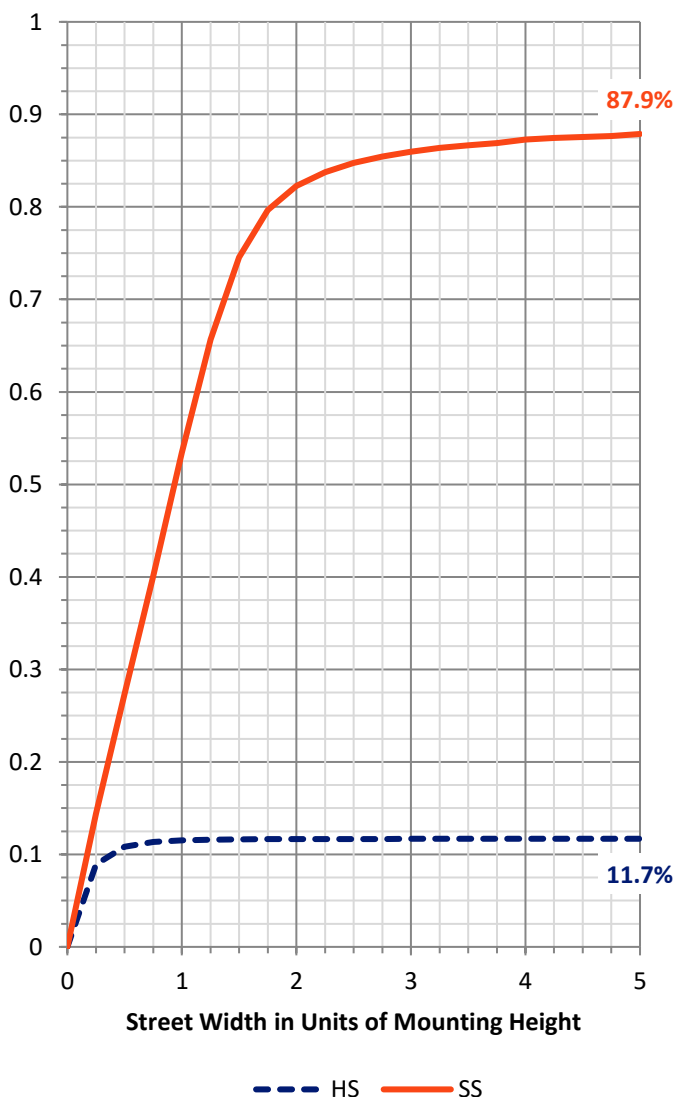
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1703.3	0.0	1703.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	12746.7	0.0	12746.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	14450.0	0.0	14450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	2.1
10°-20°	668.4	4.6
20°-30°	925.8	6.4
30°-40°	1290.8	8.9
40°-50°	2006.4	13.9
50°-60°	3221.0	22.3
60°-70°	3643.5	25.2
70°-80°	2139.9	14.8
80°-90°	248.9	1.7
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°	14450.0	100.0
0°-180°	14450.0	100.0

Coefficient of Utilization

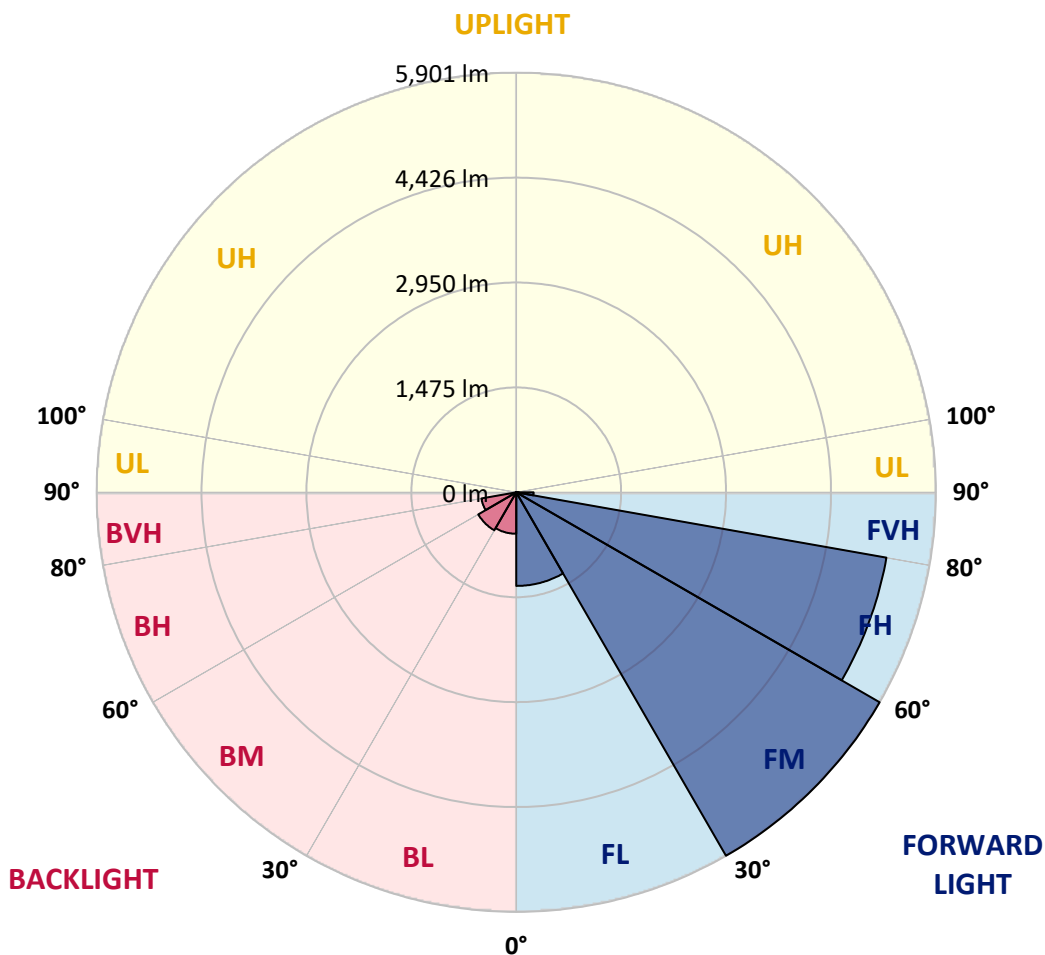


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1316.7	9.1			
FM (30°-60°)	5901.0	40.8			
FH (60°-80°)	5285.7	36.6			G3/7500
FVH (80°-90°)	243.3	1.7			G3/500
BL (0°-30°)	582.8	4.0	B2/1000		
BM (30°-60°)	617.2	4.3	B1/1000		
BH (60°-80°)	497.7	3.4	B1/500		G1/500
BVH (80°-90°)	5.6	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5
2.5°	3683.9	3674.8	3682.1	3698.0	3706.0	3706.0	3712.1	3704.7	3707.2	3689.4	3663.8
5°	3453.4	3439.4	3459.5	3504.2	3559.2	3606.3	3676.0	3712.7	3716.4	3717.0	3687.0
7.5°	3205.2	3192.3	3222.3	3274.9	3345.8	3433.3	3554.9	3661.3	3667.4	3724.9	3702.9
10°	3003.4	2994.2	3029.1	3085.3	3168.5	3266.3	3415.5	3563.5	3581.2	3708.4	3700.5
12.5°	2843.2	2835.9	2868.9	2933.7	3018.7	3126.9	3282.8	3454.7	3478.5	3671.1	3688.2
15°	2726.4	2725.2	2752.7	2815.1	2909.2	3010.1	3169.7	3353.8	3381.3	3630.8	3686.4
17.5°	2665.3	2667.1	2687.3	2740.5	2821.2	2921.5	3074.3	3268.8	3298.7	3594.7	3695.6
20°	2659.2	2661.0	2672.0	2702.0	2767.4	2856.1	2996.7	3197.2	3228.4	3567.8	3710.2
22.5°	2713.0	2711.8	2714.8	2711.8	2748.4	2815.7	2945.3	3142.2	3178.3	3550.0	3721.9
25°	2816.3	2814.5	2813.3	2790.6	2766.2	2802.2	2923.9	3111.0	3145.3	3537.2	3728.6
27.5°	2960.0	2958.8	2956.9	2919.6	2846.3	2823.6	2926.4	3099.4	3128.1	3526.8	3727.4
30°	3148.9	3157.5	3155.0	3103.1	2988.7	2889.1	2952.0	3093.3	3118.4	3506.6	3714.5
32.5°	3370.9	3388.0	3401.5	3345.8	3202.7	3018.7	3011.4	3100.0	3118.4	3491.3	3691.3
35°	3601.4	3623.4	3672.9	3653.4	3465.1	3213.7	3113.5	3140.4	3155.7	3499.9	3680.3
37.5°	3828.2	3854.5	3962.2	4019.0	3808.7	3471.8	3272.4	3240.0	3248.0	3551.9	3692.5
40°	4091.8	4131.5	4294.8	4386.5	4219.0	3817.2	3510.3	3411.2	3414.3	3666.2	3749.4
42.5°	4437.9	4478.8	4655.5	4799.2	4681.2	4253.8	3833.1	3672.9	3669.9	3880.2	3883.3
45°	4859.8	4902.6	5085.4	5245.0	5191.8	4771.1	4246.5	4055.1	4051.4	4217.7	4137.0
47.5°	5337.9	5380.1	5543.3	5707.8	5765.3	5375.2	4772.9	4576.7	4568.1	4686.7	4529.0
50°	5748.2	5775.7	5926.1	6147.5	6406.7	6117.5	5427.8	5238.8	5229.7	5309.8	5104.3
52.5°	5897.4	5913.3	6066.1	6376.1	7023.0	7122.7	6288.1	6044.7	6038.0	6072.9	5870.5
55°	5595.3	5624.1	5811.8	6271.6	7356.9	8258.8	7374.0	7042.6	6991.9	6916.6	6671.5
57.5°	4772.3	4818.2	5020.0	5631.4	7201.0	9160.0	8969.9	8171.3	8096.7	7636.9	7322.6
60°	3575.7	3632.0	3799.5	4459.3	6368.8	9481.0	10713.7	9429.1	9260.9	8210.5	7921.2
62.5°	2453.7	2481.8	2595.6	3025.4	4690.4	8955.2	12172.6	11113.6	10806.7	8834.1	8568.8
65°	1874.1	1883.9	1930.3	2078.3	2793.1	7274.3	12752.9	13336.2	12965.0	9580.1	9240.7
67.5°	1510.3	1502.3	1566.5	1778.1	1870.4	4437.9	12076.0	15438.9	15265.3	10577.4	9917.0
69°	1331.7	1320.7	1386.1	1631.9	1756.7	2933.7	10795.6	15916.5	15927.5	11103.8	9963.5
70°	1198.4	1205.8	1270.6	1545.1	1718.2	2302.7	9572.8	15794.8	15881.6	11300.7	9684.7
72.5°	800.4	819.9	950.2	1282.8	1652.1	1742.6	5780.0	13553.9	13887.7	10857.4	8308.9
75°	451.2	465.9	620.6	967.3	1556.7	1659.5	3052.9	9985.5	10308.3	9079.3	6407.3
77.5°	221.3	229.3	351.0	624.3	1301.8	1581.2	1731.6	6782.7	7151.4	5926.1	3624.0
80°	93.6	97.8	175.5	385.2	930.6	1509.0	1285.9	4174.3	4220.2	2321.7	965.5
82.5°	36.1	37.3	74.0	240.3	591.3	1176.4	1075.5	1979.2	1931.5	437.2	220.1
85°	4.3	4.9	26.9	144.3	329.0	605.3	873.8	853.0	789.4	86.8	113.1
87.5°	0.0	0.0	1.8	44.0	97.8	283.7	454.3	354.0	319.2	28.1	58.7
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°	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5	3651.5
2.5°	3642.4	3636.3	3603.2	3555.5	3510.3	3454.0	3400.2	3367.8	3342.1	3325.0	3345.2
5°	3652.2	3625.2	3525.0	3396.6	3270.6	3128.8	2996.7	2884.8	2840.8	2791.9	2813.9
7.5°	3649.1	3598.3	3418.0	3189.3	2958.2	2719.1	2492.9	2318.6	2228.1	2139.4	2162.1
10°	3633.8	3548.2	3274.9	2936.2	2590.1	2246.4	1925.4	1681.5	1545.1	1421.6	1439.3
12.5°	3600.2	3480.9	3106.1	2646.3	2183.5	1730.4	1354.3	1041.9	874.4	800.4	809.6
15°	3580.0	3415.5	2927.6	2352.8	1749.3	1205.2	827.9	615.7	539.3	514.8	517.9
17.5°	3570.2	3352.5	2742.9	2017.2	1305.4	767.4	535.0	472.0	455.5	451.2	452.5
20°	3560.4	3289.0	2552.8	1685.1	899.4	516.1	439.6	421.3	415.2	409.7	410.9
22.5°	3543.9	3227.8	2348.6	1348.8	606.6	418.8	396.2	378.5	365.6	358.9	360.1
25°	3523.7	3163.6	2140.1	1004.6	442.7	373.6	352.2	327.1	311.8	299.6	300.2
27.5°	3491.3	3084.7	1924.8	731.3	371.8	334.5	305.7	278.2	252.5	238.5	238.5
30°	3446.1	2995.5	1685.7	523.4	333.2	295.9	261.1	226.8	199.3	186.5	185.3
32.5°	3396.0	2902.5	1444.2	396.8	302.7	259.9	220.1	184.0	159.6	149.2	148.6
35°	3353.2	2802.2	1203.3	332.6	272.1	225.0	181.6	151.0	131.5	122.9	122.3
37.5°	3325.6	2702.0	968.5	297.2	244.6	192.6	152.2	124.7	110.7	103.9	103.3
40°	3321.4	2627.4	753.9	270.3	218.9	163.9	127.2	105.8	92.9	85.6	85.0
42.5°	3377.0	2584.6	578.4	247.6	192.6	138.8	108.2	90.5	77.0	69.7	69.1
45°	3523.1	2598.0	445.1	227.5	166.3	117.4	91.7	75.2	63.0	57.5	56.3
47.5°	3789.7	2691.0	354.0	207.3	141.2	99.7	78.3	62.4	52.0	46.5	45.9
50°	4264.2	2909.2	295.9	185.3	118.0	85.0	64.8	50.7	42.2	37.3	36.7
52.5°	4894.0	3298.1	264.1	163.9	97.8	72.2	53.2	40.4	33.0	29.3	28.7
55°	5588.6	3768.9	243.4	140.6	80.1	59.9	42.2	31.8	25.7	22.6	21.4
57.5°	6266.7	4176.8	223.8	118.0	66.6	48.9	33.6	25.1	20.2	17.1	16.5
60°	6889.7	4551.6	201.2	94.8	54.4	38.5	26.3	19.6	15.9	12.8	12.8
62.5°	7556.8	4841.4	170.0	74.0	44.6	29.3	21.4	17.7	12.8	11.0	10.4
65°	8263.7	5056.6	133.3	57.5	34.9	22.0	17.7	18.3	10.4	7.9	7.3
67.5°	8785.8	5013.8	98.4	45.2	26.9	17.1	17.1	19.6	9.2	6.1	5.5
69°	8670.9	4665.9	82.5	39.1	23.2	14.7	15.9	19.6	8.6	5.5	4.9
70°	8337.6	4280.7	72.8	34.9	20.8	13.5	15.3	19.0	7.9	5.5	4.9
72.5°	6943.6	3224.1	56.9	26.3	16.5	11.0	12.8	16.5	7.9	5.5	4.3
75°	5223.0	2063.6	43.4	19.0	12.2	8.6	9.8	12.2	7.9	4.9	4.3
77.5°	2842.0	744.1	31.2	12.8	8.6	6.7	6.7	9.2	7.3	3.7	2.4
80°	730.7	187.1	19.6	8.6	6.7	4.9	4.3	6.1	4.3	0.6	0.0
82.5°	180.4	42.2	10.4	6.1	4.9	1.8	1.8	3.1	1.8	0.0	0.0
85°	99.1	20.8	6.7	4.3	2.4	0.0	0.0	0.6	0.0	0.0	0.0
87.5°	50.7	6.1	1.8	1.2	0.6	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)