

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: P319317

Luminaire Tested: **GAN-SA3B-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15565 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

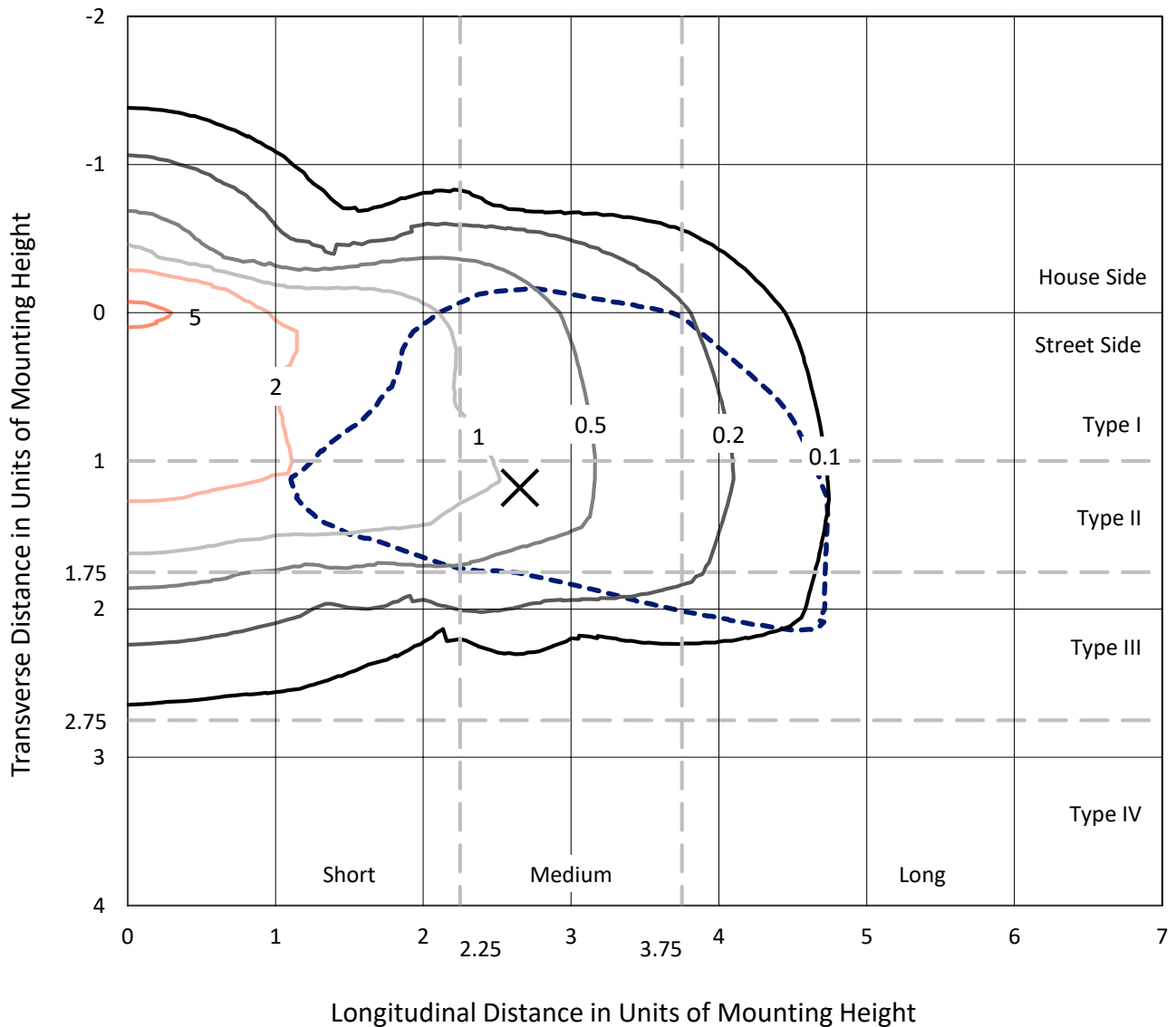
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

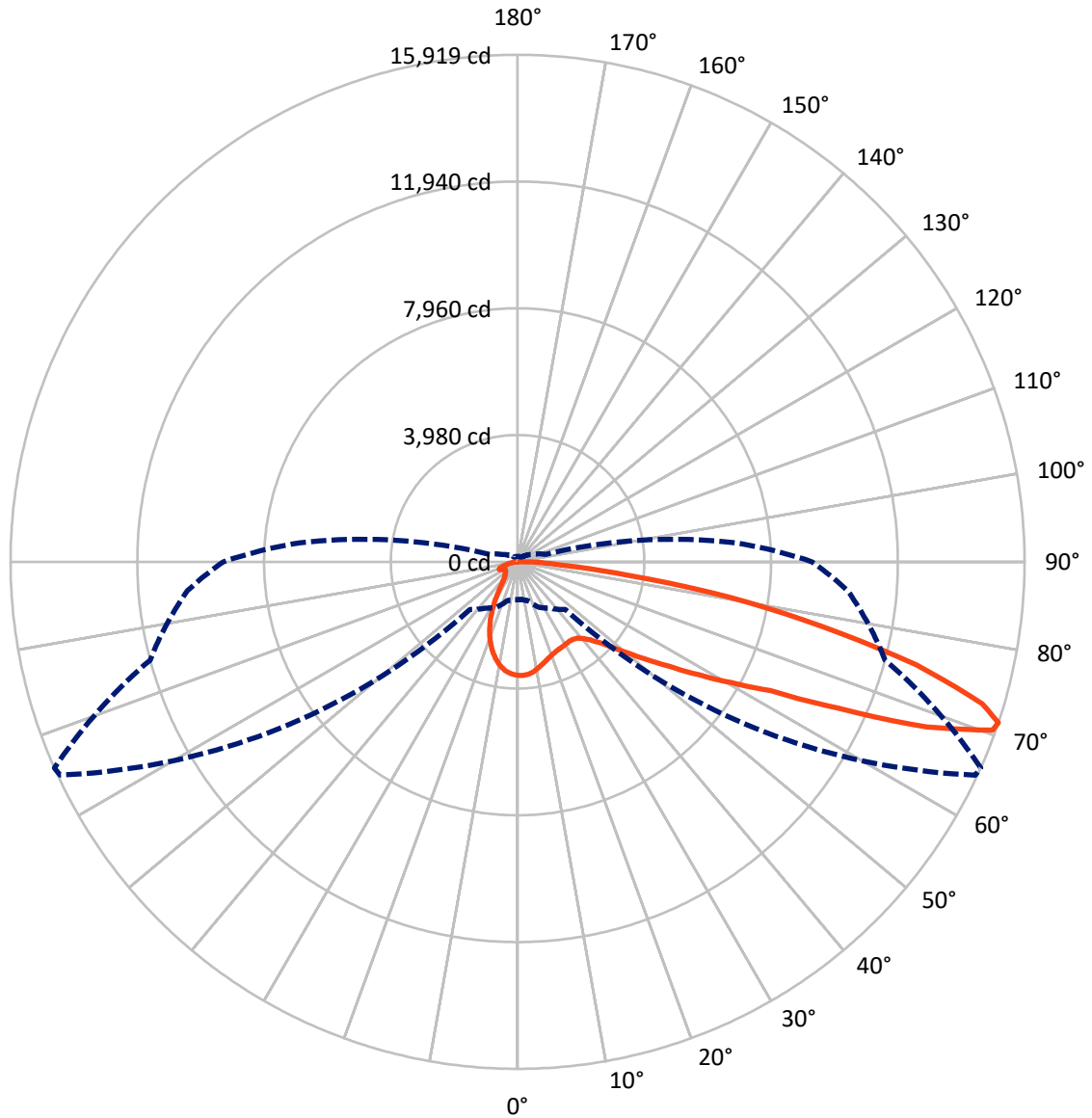
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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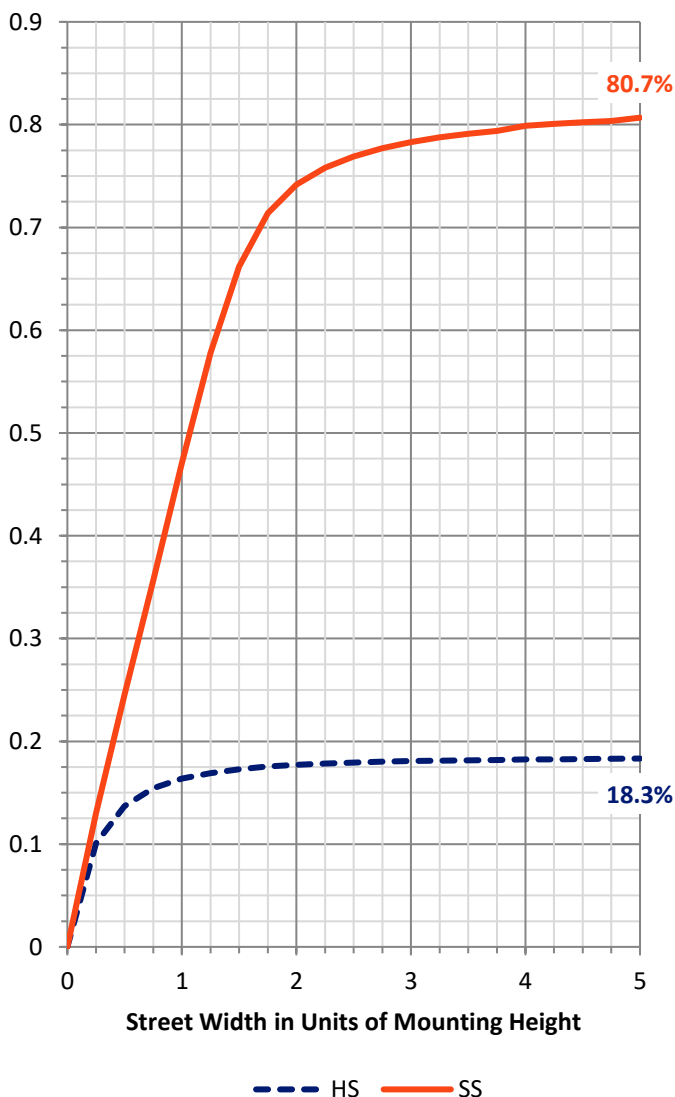
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2884.6	0.0	2884.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	12680.4	0.0	12680.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	15565.0	0.0	15565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.9	2.0
10°-20°	752.8	4.8
20°-30°	1011.2	6.5
30°-40°	1330.2	8.5
40°-50°	1935.0	12.4
50°-60°	3022.8	19.4
60°-70°	3786.5	24.3
70°-80°	2888.2	18.6
80°-90°	524.5	3.4
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°	15565.0	100.0
0°-180°	15565.0	100.0

Coefficient of Utilization



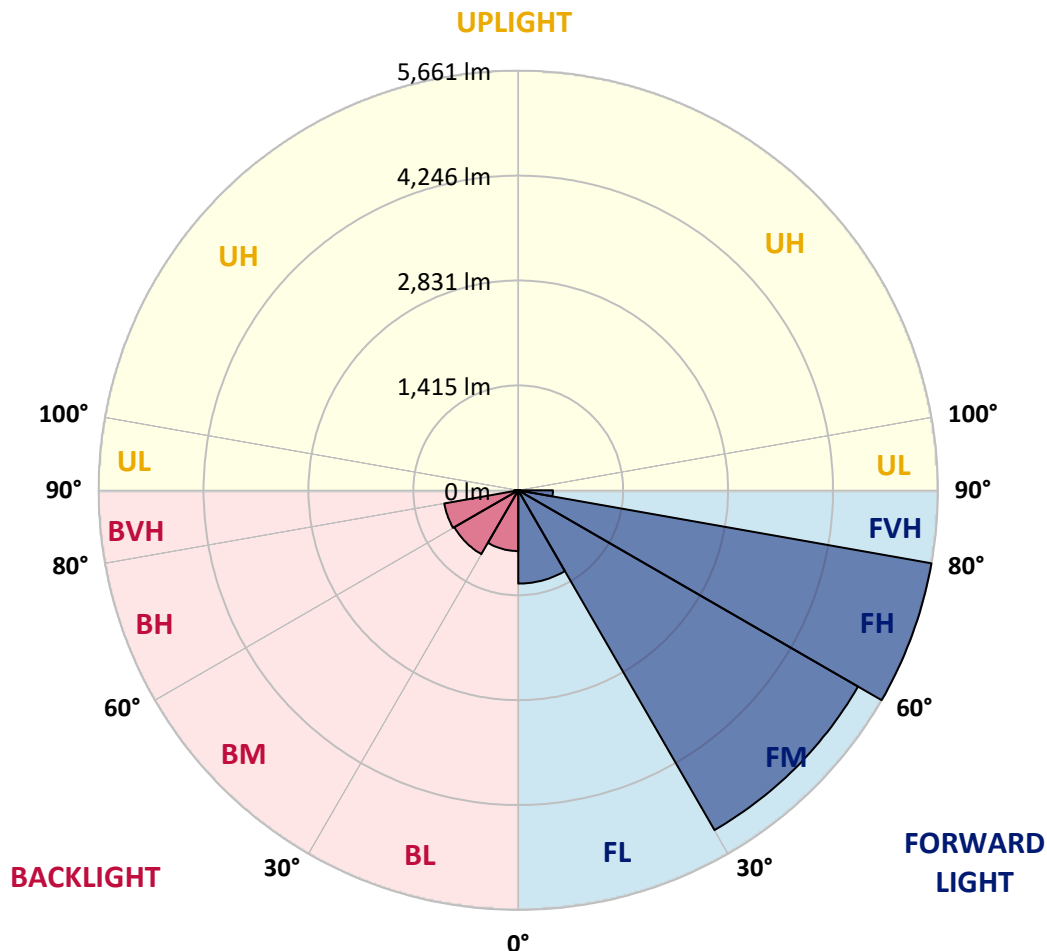
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1258.6	8.1			
FM (30°-60°)	5292.9	34.0			
FH (60°-80°)	5661.2	36.4			G3/7500
FVH (80°-90°)	467.7	3.0			G3/500
BL (0°-30°)	819.2	5.3	B2/1000		
BM (30°-60°)	995.1	6.4	B1/1000		
BH (60°-80°)	1013.6	6.5	B3/2500		G3/2500
BVH (80°-90°)	56.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6
2.5°	3499.5	3494.2	3510.3	3526.9	3533.4	3544.1	3560.3	3569.4	3568.9	3570.5	3565.1
5°	3267.4	3260.4	3292.6	3319.0	3369.5	3426.5	3495.8	3545.2	3546.3	3574.2	3581.8
7.5°	3047.6	3042.8	3079.8	3122.3	3180.9	3267.9	3380.2	3486.6	3493.1	3568.9	3595.2
10°	2871.3	2870.2	2906.3	2952.5	3020.7	3118.0	3247.0	3402.8	3412.5	3543.1	3597.3
12.5°	2733.7	2735.9	2767.1	2819.7	2891.7	2993.3	3133.0	3308.8	3324.3	3502.2	3585.0
15°	2632.2	2640.8	2666.0	2719.2	2790.2	2893.4	3036.8	3221.7	3245.4	3456.5	3578.0
17.5°	2574.1	2583.8	2601.5	2645.6	2712.3	2811.7	2947.6	3150.2	3171.7	3421.6	3578.5
20°	2556.9	2565.0	2575.2	2602.1	2658.5	2748.8	2877.2	3085.7	3108.9	3393.7	3583.9
22.5°	2590.8	2596.7	2597.8	2595.6	2630.0	2703.7	2826.2	3038.5	3063.2	3375.4	3587.7
25°	2663.3	2671.4	2665.5	2645.6	2634.3	2679.5	2799.8	3007.3	3032.0	3362.0	3580.1
27.5°	2772.4	2773.5	2768.7	2742.9	2689.7	2682.2	2791.8	2989.0	3012.7	3346.4	3564.6
30°	2920.8	2927.7	2919.1	2884.2	2797.2	2725.1	2801.5	2971.3	2992.8	3326.5	3539.3
32.5°	3094.3	3111.5	3111.0	3074.5	2949.8	2821.3	2841.2	2960.5	2977.2	3305.5	3508.7
35°	3274.4	3298.0	3342.1	3326.5	3172.3	2973.4	2917.5	2977.7	2989.0	3302.9	3487.2
37.5°	3461.4	3485.0	3575.9	3617.8	3437.2	3191.1	3037.9	3038.5	3043.8	3335.6	3485.6
40°	3657.0	3682.3	3818.8	3927.8	3780.6	3466.8	3231.9	3165.3	3159.4	3416.2	3517.3
42.5°	3931.1	3953.6	4117.5	4256.7	4161.6	3819.8	3500.1	3360.9	3348.5	3574.2	3618.8
45°	4277.7	4297.0	4471.2	4620.0	4571.1	4222.9	3837.0	3630.1	3628.0	3837.6	3824.7
47.5°	4689.9	4704.9	4861.3	5005.3	5023.1	4686.7	4260.5	4045.5	4010.6	4198.7	4143.3
50°	5119.3	5135.9	5242.3	5397.1	5528.8	5307.3	4805.4	4554.5	4507.7	4675.4	4594.8
52.5°	5403.5	5425.6	5518.0	5714.2	6097.3	5987.7	5449.8	5171.4	5100.5	5253.1	5191.3
55°	5276.7	5326.2	5467.5	5781.9	6552.0	7027.0	6244.6	5891.0	5810.9	5937.7	5901.2
57.5°	4700.1	4767.8	4960.7	5446.0	6615.9	7942.8	7446.2	6738.4	6682.0	6645.5	6662.1
60°	3646.2	3711.3	3950.4	4582.9	6170.4	8611.3	9254.5	7783.1	7701.5	7355.9	7371.0
62.5°	2580.6	2547.8	2711.7	3174.4	5013.9	8689.7	11312.2	9180.4	8911.7	8106.1	8040.0
65°	1968.0	1960.4	2034.1	2181.3	3036.8	7750.9	12538.0	11528.8	11109.1	8988.5	8832.7
67.5°	1617.0	1603.6	1676.1	1890.6	1955.6	5000.5	12564.9	14253.4	13841.2	10087.0	9749.5
70°	1329.5	1314.5	1382.2	1658.9	1807.3	2536.0	10574.9	15849.0	15826.9	11477.8	10441.7
71°	1192.0	1181.2	1262.3	1569.7	1775.6	2113.6	9130.4	15853.3	15919.4	11948.5	10400.8
72.5°	970.5	974.3	1060.3	1397.2	1751.9	1866.4	6710.5	15114.3	15254.1	12397.2	10029.5
75°	644.9	648.1	761.0	1074.8	1698.7	1826.1	3688.2	12682.6	12939.5	12128.6	9151.9
77.5°	433.1	432.1	508.9	737.3	1480.0	1826.1	2162.5	9485.6	9767.8	9650.6	7055.5
80°	298.3	296.1	350.4	508.9	1120.5	1848.1	1671.8	6647.6	6733.1	5211.7	2867.6
82.5°	182.7	184.3	228.9	359.5	762.6	1663.2	1578.3	3624.8	3531.8	1461.7	716.4
85°	104.8	104.3	146.2	243.4	489.6	1403.7	1539.1	1560.1	1431.1	440.1	259.0
87.5°	37.6	40.3	78.5	134.9	280.5	977.5	1305.9	811.5	731.4	198.8	117.2
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°	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6	3565.6
2.5°	3561.3	3564.6	3560.8	3539.3	3521.0	3491.5	3474.8	3451.7	3444.7	3441.5	3450.1
5°	3574.8	3575.9	3544.1	3487.7	3424.3	3349.6	3295.9	3229.8	3198.6	3185.2	3193.8
7.5°	3587.1	3582.3	3513.0	3405.0	3287.8	3157.8	3042.2	2936.3	2874.5	2849.3	2851.4
10°	3588.7	3568.3	3457.1	3290.0	3108.3	2917.5	2740.2	2576.8	2473.6	2406.5	2426.9
12.5°	3572.1	3537.7	3374.9	3141.1	2889.1	2629.0	2389.3	2144.2	1997.0	1928.7	1930.9
15°	3559.2	3496.9	3273.8	2965.9	2627.3	2282.9	1955.6	1667.5	1510.6	1440.8	1408.0
17.5°	3548.4	3452.8	3156.7	2768.7	2318.3	1881.4	1488.1	1231.2	1145.2	1124.8	1116.2
20°	3533.4	3406.0	3026.1	2540.3	1966.3	1432.2	1086.6	959.8	960.3	984.0	987.2
22.5°	3512.4	3352.8	2886.9	2283.9	1588.6	1043.1	851.8	815.2	852.3	897.5	905.5
25°	3481.3	3290.0	2732.1	2000.7	1211.3	801.8	727.6	726.0	771.2	818.5	825.4
27.5°	3437.2	3207.7	2560.2	1696.6	892.6	681.4	651.9	663.1	696.5	730.9	733.5
30°	3378.1	3112.1	2370.5	1375.7	699.7	606.7	603.5	613.7	634.1	658.3	660.5
32.5°	3313.1	3014.8	2167.9	1065.1	599.2	566.4	569.6	574.5	584.2	593.8	596.0
35°	3253.9	2915.4	1960.4	809.3	551.4	540.1	537.9	536.9	537.9	534.7	535.2
37.5°	3215.8	2833.2	1744.4	644.3	524.0	517.0	510.5	502.5	493.3	488.0	489.0
40°	3201.8	2771.9	1525.7	556.7	501.4	496.6	484.2	467.0	456.3	453.0	453.0
42.5°	3239.4	2740.2	1314.5	512.7	482.6	474.5	454.1	434.2	426.2	425.6	425.1
45°	3354.4	2753.1	1113.5	488.5	465.4	449.8	422.9	406.3	400.9	402.0	401.4
47.5°	3560.8	2834.2	941.5	472.4	448.2	427.8	397.7	384.2	377.8	377.8	378.3
50°	3911.7	3023.9	804.5	458.9	433.7	407.3	379.4	362.7	354.1	353.6	353.6
52.5°	4422.8	3363.6	719.0	447.7	417.6	389.1	361.1	340.2	330.0	327.8	326.7
55°	5063.4	3850.5	695.4	440.1	396.1	369.2	339.1	318.1	306.9	302.0	301.5
57.5°	5779.7	4442.7	742.1	431.0	374.0	345.5	314.9	295.0	283.2	277.3	276.8
60°	6504.7	5089.2	932.9	418.1	355.8	319.8	290.2	271.9	260.1	253.7	252.6
62.5°	7230.7	5770.6	1322.5	417.0	342.9	295.0	264.9	249.4	238.1	231.1	229.5
65°	8049.7	6516.5	1765.4	445.5	338.6	272.5	239.1	226.8	217.1	210.7	210.1
67.5°	8990.1	7358.6	1722.9	504.1	353.1	252.0	215.0	205.3	198.3	192.9	192.4
70°	9431.3	7226.9	1071.0	545.5	373.5	232.2	191.9	184.9	179.5	175.7	174.1
71°	9246.5	6862.0	898.0	540.6	371.3	223.6	182.7	177.3	172.0	168.7	167.1
72.5°	8742.4	6258.0	749.1	503.0	347.2	208.0	170.9	165.5	160.7	156.9	155.8
75°	7844.9	5588.9	599.7	402.0	276.8	175.7	149.9	144.0	140.3	138.1	136.0
77.5°	5766.8	3988.6	463.8	317.6	203.7	143.5	127.9	123.6	119.8	116.6	115.0
80°	2209.2	1545.0	312.2	237.0	149.4	113.4	103.2	101.0	97.3	95.1	95.1
82.5°	594.9	461.6	166.6	143.5	100.0	82.8	79.0	77.9	74.7	70.4	70.9
85°	240.8	203.7	93.5	79.0	61.3	48.9	53.2	53.7	50.0	44.6	45.1
87.5°	105.9	86.5	52.1	34.9	26.9	18.8	24.2	24.2	22.0	18.3	16.7
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)