

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: P319357

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319357
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-740-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 17091 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

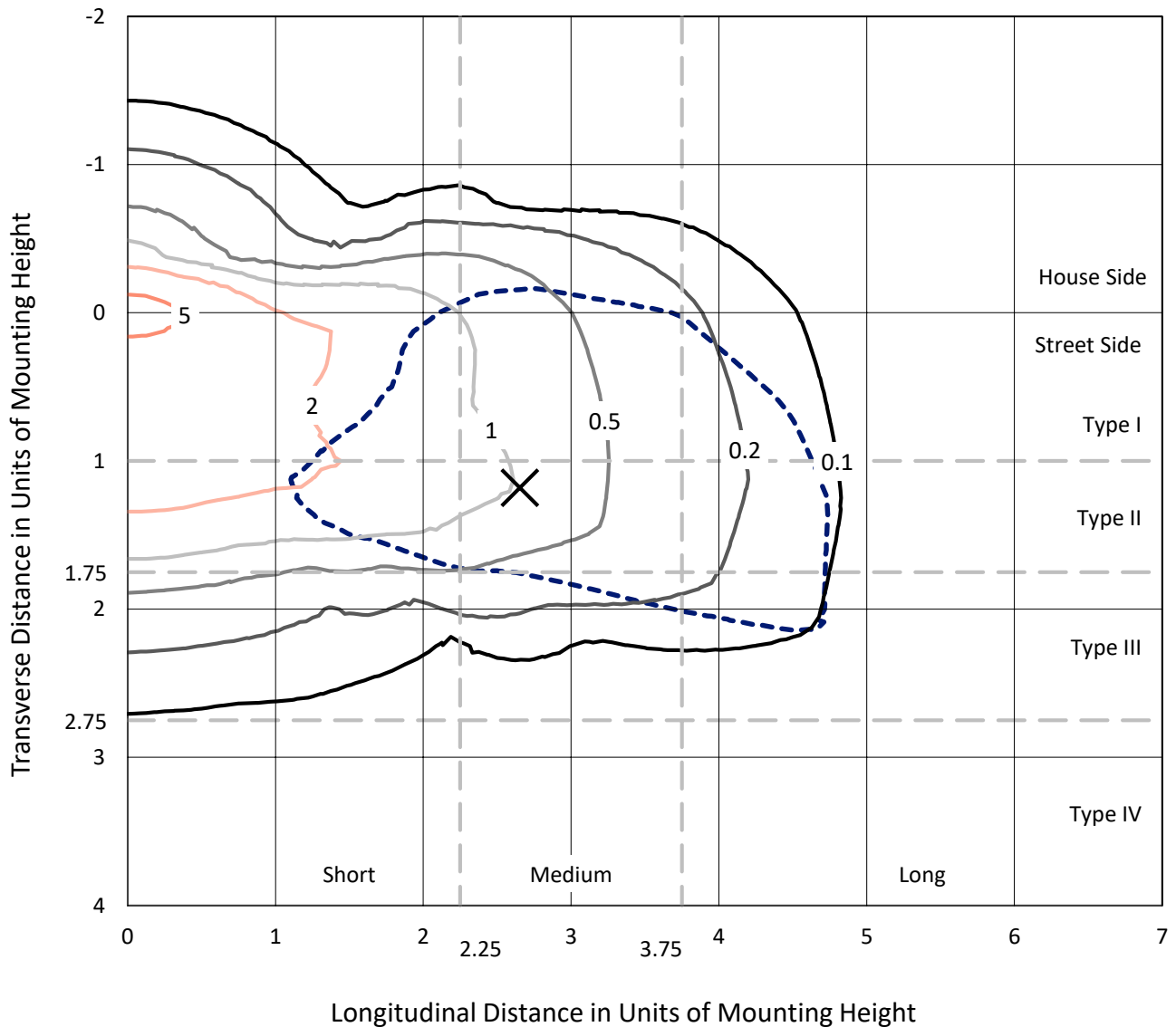
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

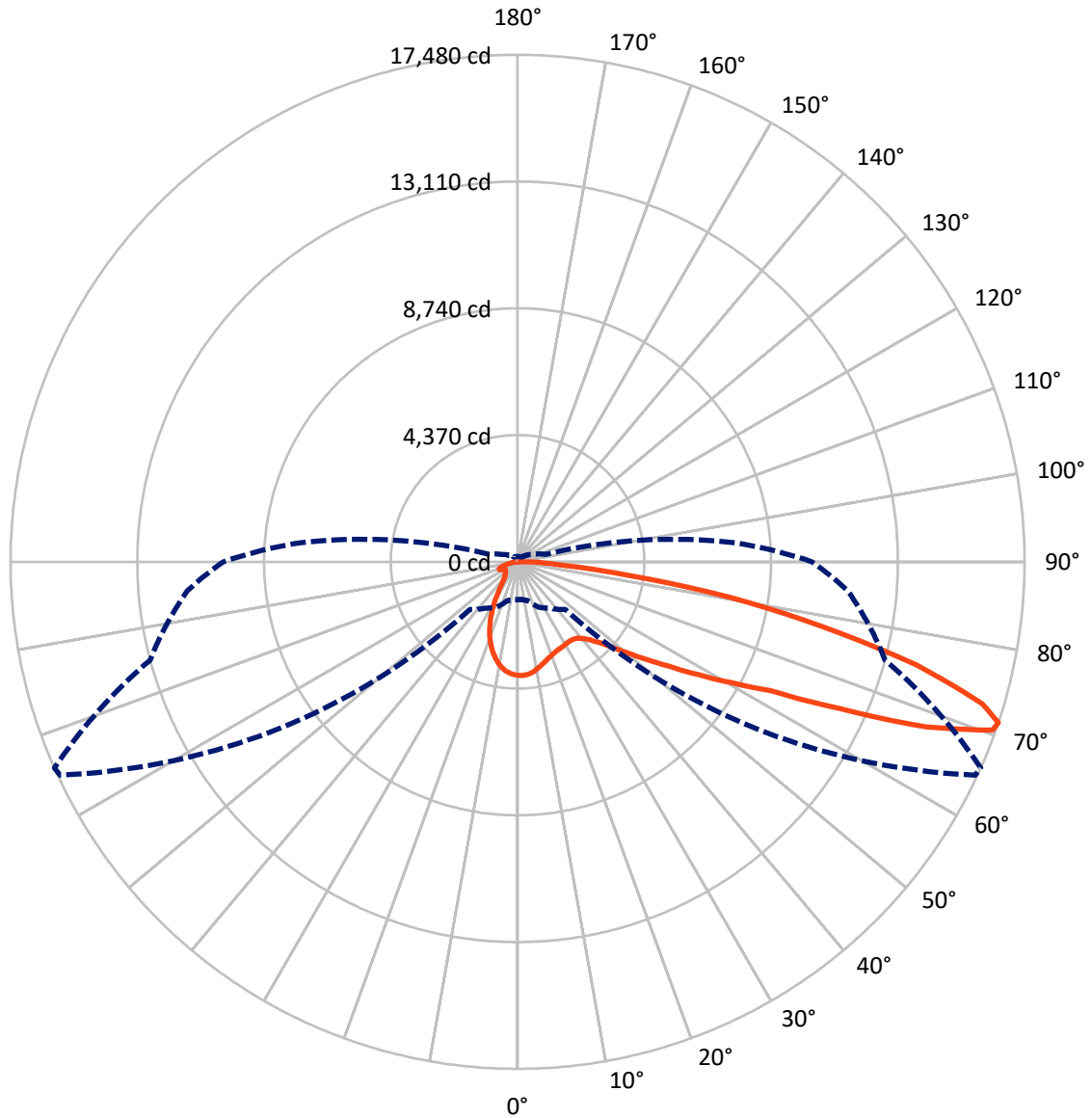
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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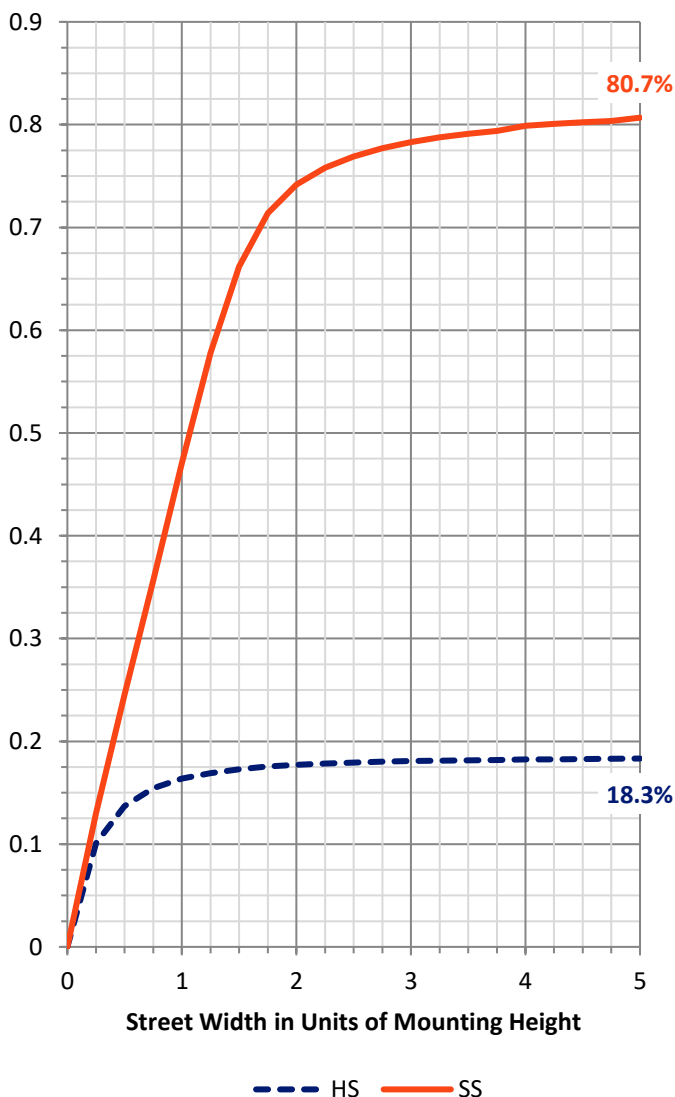
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3167.4	0.0	3167.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	13923.6	0.0	13923.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	17091.0	0.0	17091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	2.0
10°-20°	826.6	4.8
20°-30°	1110.3	6.5
30°-40°	1460.6	8.5
40°-50°	2124.8	12.4
50°-60°	3319.1	19.4
60°-70°	4157.7	24.3
70°-80°	3171.4	18.6
80°-90°	575.9	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°	17091.0	100.0
0°-180°	17091.0	100.0

Coefficient of Utilization

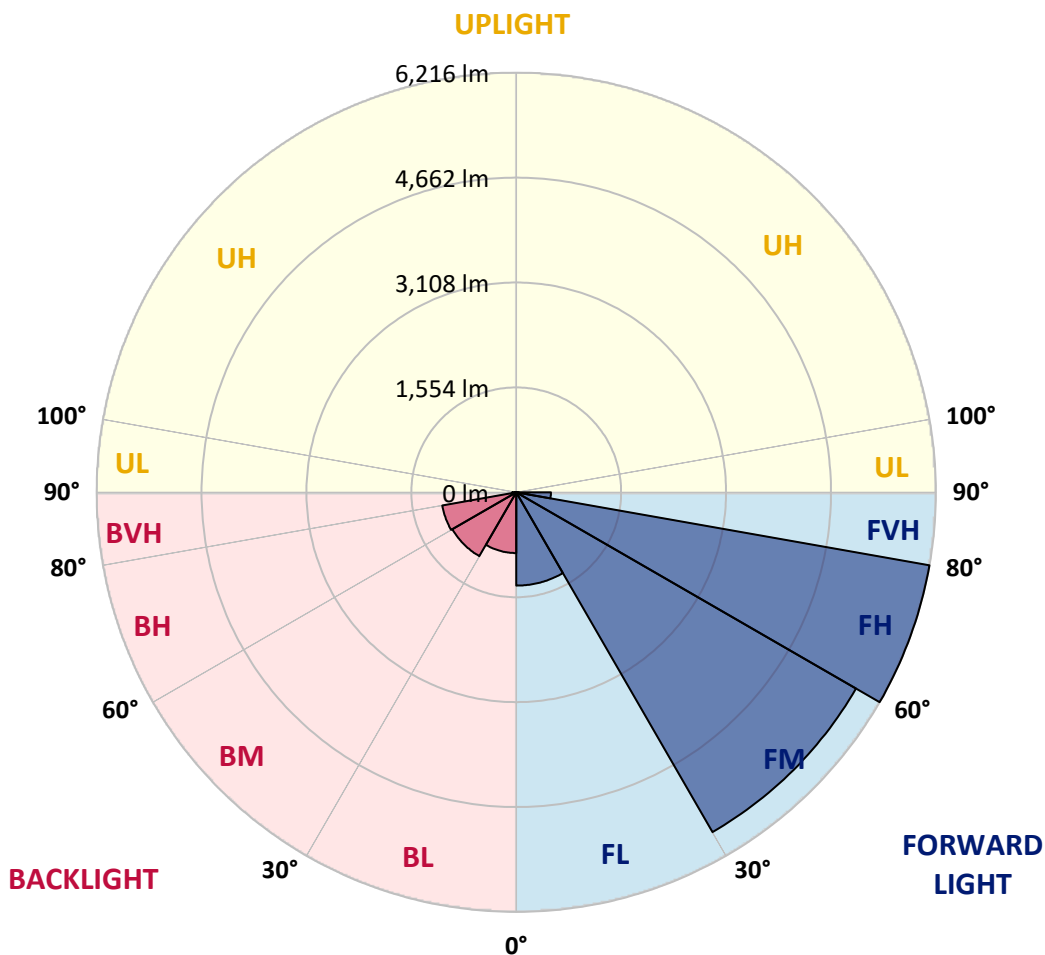


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.0	8.1			
FM (30°-60°)	5811.8	34.0			
FH (60°-80°)	6216.2	36.4			G3/7500
FVH (80°-90°)	513.6	3.0			G4/750
BL (0°-30°)	899.5	5.3	B2/1000		
BM (30°-60°)	1092.7	6.4	B2/2500		
BH (60°-80°)	1113.0	6.5	B3/2500		G3/2500
BVH (80°-90°)	62.3	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2
2.5°	3842.6	3836.7	3854.4	3872.7	3879.8	3891.6	3909.3	3919.3	3918.8	3920.5	3914.6
5°	3587.7	3580.0	3615.5	3644.4	3699.8	3762.4	3838.5	3892.8	3894.0	3924.7	3932.9
7.5°	3346.4	3341.1	3381.8	3428.4	3492.7	3588.3	3711.6	3828.5	3835.6	3918.8	3947.7
10°	3152.8	3151.6	3191.2	3241.9	3316.9	3423.7	3565.3	3736.4	3747.0	3890.4	3950.0
12.5°	3001.8	3004.1	3038.4	3096.2	3175.3	3286.8	3440.2	3633.2	3650.3	3845.6	3936.5
15°	2890.2	2899.7	2927.4	2985.8	3063.7	3177.0	3334.6	3537.6	3563.5	3795.4	3928.8
17.5°	2826.5	2837.1	2856.6	2905.0	2978.2	3087.3	3236.6	3459.1	3482.7	3757.1	3929.4
20°	2807.6	2816.5	2827.7	2857.2	2919.2	3018.3	3159.3	3388.3	3413.6	3726.4	3935.3
22.5°	2844.8	2851.3	2852.5	2850.1	2887.9	2968.7	3103.3	3336.3	3363.5	3706.3	3939.4
25°	2924.5	2933.3	2926.8	2905.0	2892.6	2942.2	3074.3	3302.1	3329.3	3691.6	3931.1
27.5°	3044.3	3045.4	3040.1	3011.8	2953.4	2945.1	3065.5	3282.1	3308.0	3674.5	3914.0
30°	3207.1	3214.8	3205.3	3167.0	3071.4	2992.3	3076.1	3262.6	3286.2	3652.6	3886.3
32.5°	3397.7	3416.6	3416.0	3375.9	3239.0	3097.9	3119.8	3250.8	3269.1	3629.6	3852.7
35°	3595.4	3621.4	3669.7	3652.6	3483.3	3264.9	3203.6	3269.7	3282.1	3626.7	3829.1
37.5°	3800.7	3826.7	3926.4	3972.5	3774.2	3503.9	3335.8	3336.3	3342.2	3662.7	3827.3
40°	4015.5	4043.3	4193.1	4312.9	4151.3	3806.6	3548.8	3475.6	3469.1	3751.2	3862.1
42.5°	4316.5	4341.3	4521.2	4674.1	4569.6	4194.3	3843.2	3690.4	3676.8	3924.7	3973.6
45°	4697.1	4718.3	4909.5	5073.0	5019.3	4636.9	4213.2	3986.0	3983.7	4213.8	4199.6
47.5°	5149.7	5166.2	5337.9	5496.1	5515.5	5146.1	4678.2	4442.2	4403.8	4610.3	4549.6
50°	5621.2	5639.4	5756.3	5926.2	6070.8	5827.7	5276.5	5001.0	4949.6	5133.7	5045.2
52.5°	5933.3	5957.5	6059.0	6274.4	6695.1	6574.7	5984.1	5678.4	5600.5	5768.1	5700.2
55°	5794.0	5848.3	6003.5	6348.7	7194.3	7716.0	6856.8	6468.5	6380.6	6519.9	6479.7
57.5°	5160.9	5235.2	5447.1	5979.9	7264.5	8721.5	8176.2	7399.1	7337.1	7297.0	7315.3
60°	4003.7	4075.1	4337.7	5032.2	6775.4	9455.5	10161.9	8546.2	8456.5	8077.1	8093.6
62.5°	2833.6	2797.6	2977.6	3485.6	5505.5	9541.7	12421.3	10080.4	9785.4	8900.8	8828.3
65°	2160.9	2152.6	2233.5	2395.2	3334.6	8510.8	13767.3	12659.1	12198.2	9869.8	9698.6
67.5°	1775.6	1760.8	1840.5	2075.9	2147.3	5490.7	13796.8	15650.8	15198.2	11075.9	10705.3
70°	1459.9	1443.3	1517.7	1821.6	1984.5	2784.6	11611.7	17402.8	17378.6	12603.0	11465.4
71°	1308.8	1297.0	1386.1	1723.6	1949.6	2320.8	10025.6	17407.5	17480.1	13120.0	11420.5
72.5°	1065.7	1069.8	1164.2	1534.2	1923.7	2049.4	7368.4	16596.2	16749.6	13612.7	11012.8
75°	708.1	711.6	835.6	1180.2	1865.3	2005.1	4049.8	13926.0	14208.1	13317.6	10049.2
77.5°	475.6	474.4	558.8	809.6	1625.1	2005.1	2374.5	10415.6	10725.4	10596.8	7747.2
80°	327.5	325.1	384.7	558.8	1230.3	2029.3	1835.8	7299.4	7393.2	5722.6	3148.7
82.5°	200.6	202.4	251.4	394.8	837.3	1826.3	1733.1	3980.1	3878.0	1605.0	786.6
85°	115.1	114.5	160.5	267.3	537.6	1541.3	1690.0	1713.0	1571.4	483.3	284.4
87.5°	41.3	44.3	86.2	148.1	308.0	1073.4	1433.9	891.0	803.1	218.3	128.6
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°	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2	3915.2
2.5°	3910.5	3914.0	3909.9	3886.3	3866.2	3833.8	3815.5	3790.1	3782.4	3778.9	3788.3
5°	3925.2	3926.4	3891.6	3829.7	3760.0	3678.0	3619.0	3546.4	3512.2	3497.4	3506.9
7.5°	3938.8	3933.5	3857.4	3738.8	3610.1	3467.3	3340.5	3224.2	3156.4	3128.6	3131.0
10°	3940.6	3918.2	3796.0	3612.5	3413.1	3203.6	3008.8	2829.5	2716.2	2642.4	2664.8
12.5°	3922.3	3884.5	3705.7	3449.0	3172.3	2886.7	2623.5	2354.4	2192.8	2117.8	2120.2
15°	3908.1	3839.7	3594.8	3256.7	2884.9	2506.7	2147.3	1831.0	1658.7	1582.0	1546.0
17.5°	3896.3	3791.3	3466.2	3040.1	2545.6	2065.9	1633.9	1351.9	1257.5	1235.0	1225.6
20°	3879.8	3740.0	3322.8	2789.3	2159.1	1572.6	1193.2	1053.9	1054.5	1080.4	1084.0
22.5°	3856.8	3681.5	3169.9	2507.9	1744.3	1145.4	935.3	895.2	935.9	985.4	994.3
25°	3822.6	3612.5	3000.0	2196.9	1330.1	880.4	799.0	797.2	846.8	898.7	906.4
27.5°	3774.2	3522.2	2811.2	1862.9	980.1	748.2	715.8	728.2	764.8	802.5	805.5
30°	3709.3	3417.2	2602.9	1510.6	768.3	666.2	662.7	673.9	696.3	722.9	725.2
32.5°	3637.9	3310.4	2380.4	1169.5	657.9	622.0	625.5	630.8	641.4	652.0	654.4
35°	3573.0	3201.2	2152.6	888.7	605.4	593.0	590.7	589.5	590.7	587.1	587.7
37.5°	3531.1	3110.9	1915.4	707.5	575.3	567.7	560.6	551.7	541.7	535.8	537.0
40°	3515.7	3043.7	1675.3	611.3	550.5	545.2	531.7	512.8	501.0	497.4	497.4
42.5°	3557.0	3008.8	1443.3	562.9	529.9	521.0	498.6	476.8	467.9	467.3	466.8
45°	3683.3	3023.0	1222.7	536.4	511.0	493.9	464.4	446.1	440.2	441.4	440.8
47.5°	3909.9	3112.1	1033.8	518.7	492.1	469.7	436.7	421.9	414.8	414.8	415.4
50°	4295.2	3320.4	883.4	503.9	476.2	447.3	416.6	398.3	388.9	388.3	388.3
52.5°	4856.4	3693.3	789.5	491.5	458.5	427.2	396.5	373.5	362.3	360.0	358.8
55°	5559.8	4228.0	763.6	483.3	434.9	405.4	372.3	349.3	336.9	331.6	331.0
57.5°	6346.4	4878.2	814.9	473.2	410.7	379.4	345.8	324.0	311.0	304.5	303.9
60°	7142.4	5588.1	1024.4	459.1	390.6	351.1	318.6	298.6	285.6	278.5	277.3
62.5°	7939.6	6336.3	1452.2	457.9	376.5	324.0	290.9	273.8	261.4	253.7	252.0
65°	8838.9	7155.4	1938.4	489.2	371.8	299.2	262.6	249.0	238.4	231.3	230.7
67.5°	9871.5	8080.0	1891.8	553.5	387.7	276.8	236.0	225.4	217.7	211.8	211.3
70°	10356.0	7935.5	1176.0	598.9	410.1	254.9	210.7	203.0	197.1	193.0	191.2
71°	10153.0	7534.8	986.0	593.6	407.7	245.5	200.6	194.7	188.8	185.3	183.5
72.5°	9599.5	6871.5	822.6	552.3	381.2	228.4	187.6	181.7	176.4	172.3	171.1
75°	8614.1	6136.9	658.5	441.4	303.9	193.0	164.6	158.1	154.0	151.7	149.3
77.5°	6332.2	4379.6	509.2	348.7	223.6	157.6	140.4	135.7	131.6	128.0	126.3
80°	2425.8	1696.5	342.8	260.2	164.0	124.5	113.3	110.9	106.8	104.4	104.4
82.5°	653.2	506.9	182.9	157.6	109.8	90.9	86.7	85.6	82.0	77.3	77.9
85°	264.4	223.6	102.7	86.7	67.3	53.7	58.4	59.0	54.9	49.0	49.6
87.5°	116.2	95.0	57.2	38.4	29.5	20.7	26.6	26.6	24.2	20.1	18.3
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)