

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: P323517

Luminaire Tested: **GAN-SA3B-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14906 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

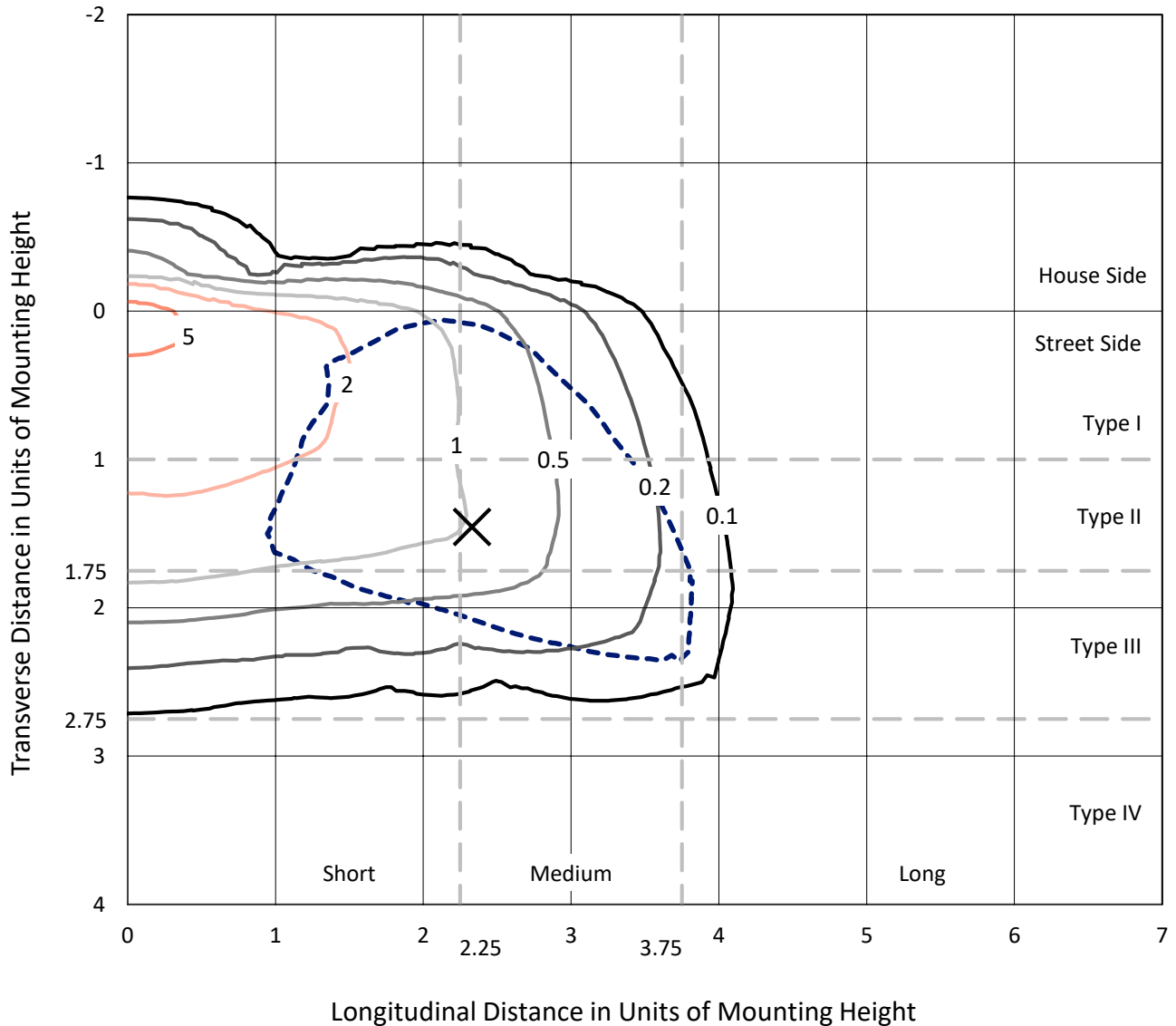
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

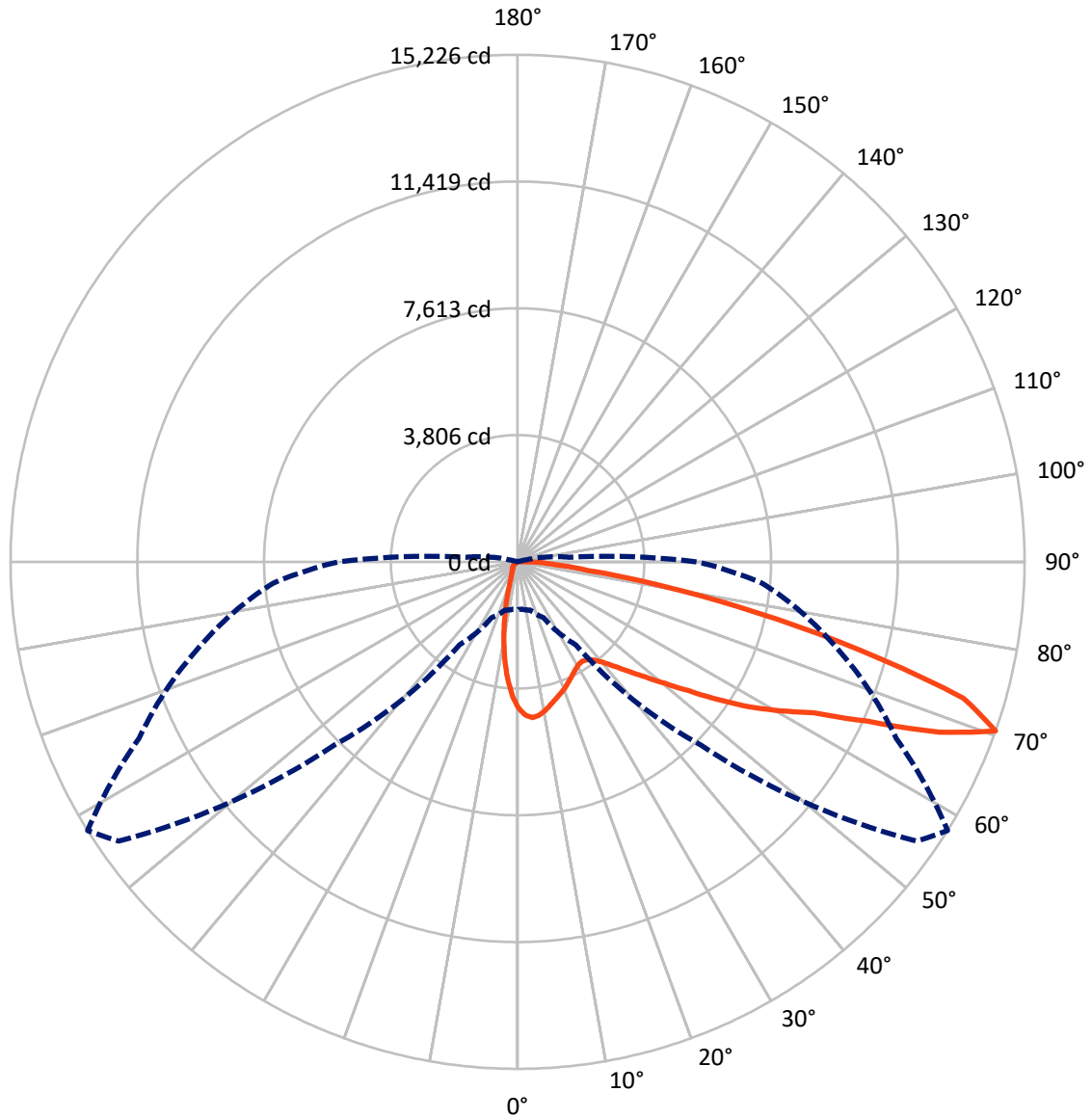
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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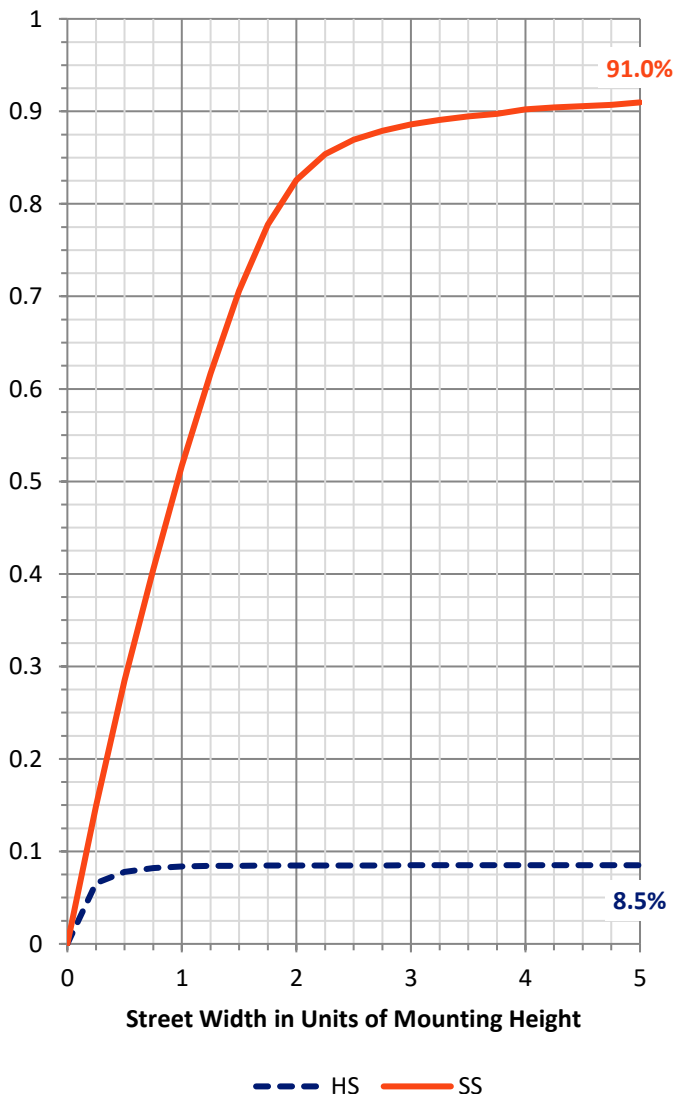
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1275.6	0.0	1275.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	13630.4	0.0	13630.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	14906.0	0.0	14906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.1	2.4
10°-20°	755.7	5.1
20°-30°	993.5	6.7
30°-40°	1315.8	8.8
40°-50°	1966.6	13.2
50°-60°	3150.5	21.1
60°-70°	3971.1	26.6
70°-80°	2142.0	14.4
80°-90°	250.7	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°	14906.0	100.0
0°-180°	14906.0	100.0

Coefficient of Utilization

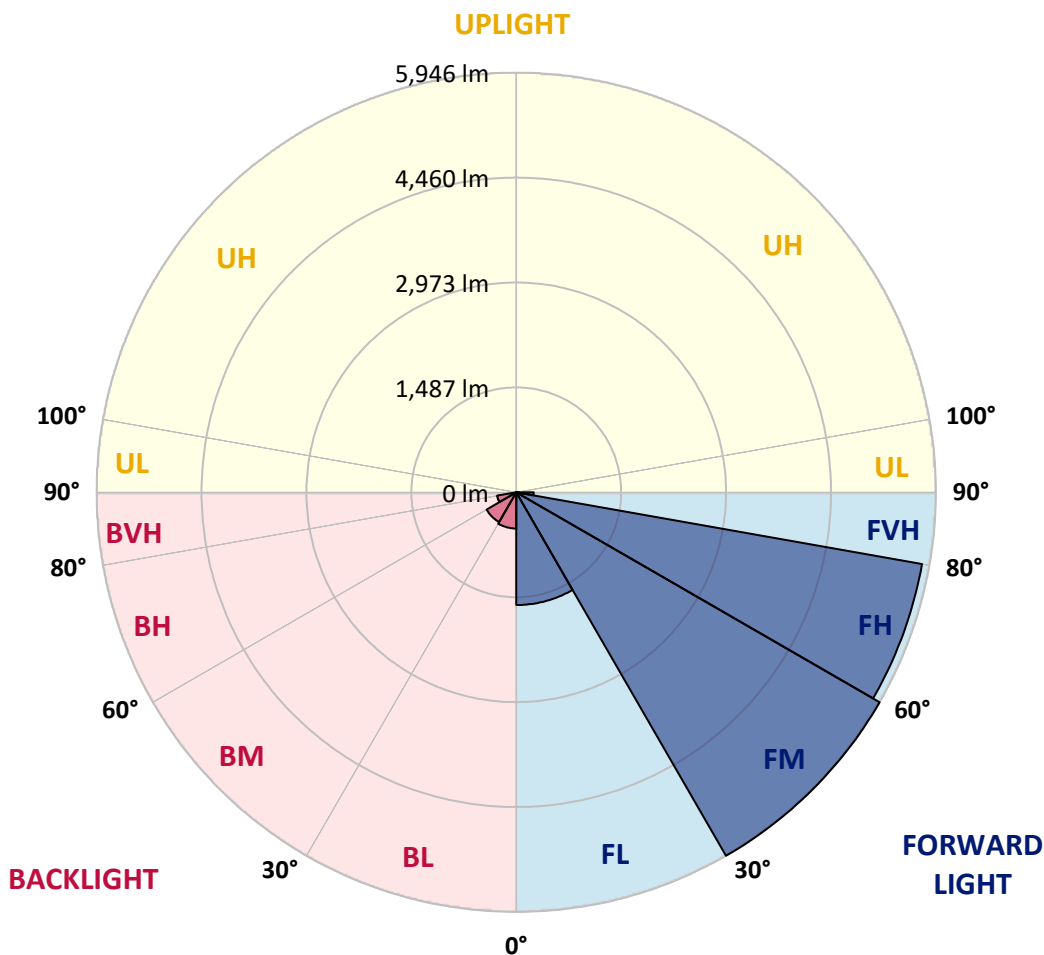


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1596.7	10.7			
FM (30°-60°)	5946.2	39.9			
FH (60°-80°)	5838.8	39.2			G3/7500
FVH (80°-90°)	248.6	1.7			G3/500
BL (0°-30°)	512.5	3.4	B2/1000		
BM (30°-60°)	486.6	3.3	B1/1000		
BH (60°-80°)	274.3	1.8	B1/500		G1/500
BVH (80°-90°)	2.2	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°	58°	65°	75°	85°
0°	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2
2.5°	4768.2	4756.5	4752.1	4744.7	4716.2	4688.3	4633.1	4617.6	4582.9	4500.5	4413.1
5°	4772.0	4771.3	4784.3	4781.2	4771.3	4758.3	4718.6	4698.2	4639.3	4521.5	4361.6
7.5°	4542.0	4553.8	4582.9	4606.5	4633.7	4669.1	4674.0	4654.2	4605.8	4478.8	4266.8
10°	4233.3	4251.9	4292.8	4339.3	4410.6	4481.3	4544.5	4542.0	4525.3	4400.1	4152.8
12.5°	3924.0	3945.7	3992.8	4061.6	4162.7	4278.0	4390.8	4406.3	4434.2	4329.4	4047.4
15°	3653.2	3671.8	3718.3	3802.6	3927.8	4082.7	4248.2	4276.7	4348.6	4274.2	3959.4
17.5°	3423.2	3435.0	3469.1	3562.7	3707.7	3895.5	4110.6	4166.4	4273.6	4230.9	3883.1
20°	3262.7	3264.6	3286.9	3352.6	3497.6	3707.7	3968.1	4048.0	4194.3	4193.7	3804.4
22.5°	3183.4	3177.2	3181.5	3219.3	3325.9	3528.6	3825.5	3920.3	4123.0	4162.1	3724.5
25°	3168.5	3163.5	3151.1	3156.1	3220.6	3371.8	3681.7	3791.4	4060.4	4142.8	3655.0
27.5°	3215.0	3219.9	3198.9	3176.5	3181.5	3270.1	3554.0	3681.1	4009.6	4142.8	3606.1
30°	3308.6	3311.0	3295.6	3266.4	3227.4	3241.6	3465.4	3592.4	3984.2	4171.4	3575.1
32.5°	3412.1	3425.7	3423.9	3400.3	3344.5	3286.9	3444.3	3560.2	3982.3	4234.6	3572.0
35°	3540.4	3555.9	3581.9	3576.9	3518.7	3423.9	3516.2	3607.3	4018.9	4338.7	3605.5
37.5°	3676.7	3700.3	3756.1	3782.7	3744.9	3637.7	3677.4	3742.4	4116.8	4507.3	3690.4
40°	3808.8	3835.4	3937.1	4041.8	4013.3	3903.0	3921.6	3973.6	4291.0	4749.6	3851.5
42.5°	3938.3	3978.0	4127.3	4299.7	4333.7	4245.7	4255.6	4297.2	4549.4	5083.1	4114.9
45°	4093.3	4137.9	4359.2	4571.8	4662.9	4624.4	4666.6	4693.9	4887.2	5523.8	4470.1
47.5°	4320.7	4372.2	4643.6	4886.0	5045.9	5070.7	5155.6	5173.6	5314.3	6037.0	4933.1
50°	4764.5	4778.8	5024.2	5244.3	5474.8	5623.6	5720.3	5733.9	5831.2	6597.9	5511.4
52.5°	5323.0	5332.3	5471.1	5618.6	5880.8	6184.5	6410.7	6430.0	6450.4	7144.6	6082.2
55°	5877.7	5876.5	5968.2	6055.0	6355.0	6796.3	7287.2	7298.9	7152.0	7663.4	6518.6
57.5°	6224.2	6257.6	6397.1	6508.7	6927.7	7493.6	8174.7	8218.1	7889.0	8047.7	6950.0
60°	6113.8	6130.0	6439.3	6852.0	7641.1	8484.6	9072.8	9084.0	8443.1	8431.3	7495.4
62.5°	5208.9	5217.6	5703.5	6554.5	8002.4	9770.1	10156.3	9974.7	9080.3	8963.8	8148.1
65°	3570.1	3626.5	4032.5	5084.3	7338.6	10576.5	11833.5	11532.9	10051.5	9731.1	8738.1
67.5°	2102.4	2090.6	2291.5	3066.2	5389.9	10041.0	13955.1	13656.4	11376.1	10244.9	8565.2
70°	1436.1	1428.1	1504.9	1856.3	3042.7	7789.2	14622.7	15225.7	12545.7	9899.1	7371.5
72.5°	1025.2	1029.5	1142.9	1442.3	1910.3	4538.3	12574.8	14002.2	12179.4	8629.7	5603.1
75°	696.1	707.8	870.2	1183.2	1674.7	2308.8	8923.5	10644.1	9917.7	6271.9	3220.6
77.5°	374.4	387.4	578.9	953.3	1514.2	1604.1	5740.1	7325.6	6229.8	2819.5	933.4
80°	156.2	163.6	270.9	693.0	1308.4	1408.8	3377.4	4442.2	2654.7	556.0	208.3
82.5°	67.6	71.3	112.8	413.4	978.1	1189.4	1788.2	2137.1	804.5	122.1	104.7
85°	13.0	13.6	46.5	218.8	624.2	671.3	1159.1	1136.1	361.4	52.7	76.2
87.5°	0.0	0.0	11.2	68.8	183.5	365.7	707.2	698.5	122.7	25.4	28.5
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°	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2
2.5°	4368.5	4325.7	4235.8	4124.9	4040.0	3946.4	3872.0	3777.8	3736.9	3738.7	3716.4
5°	4270.5	4182.5	3983.5	3732.5	3539.1	3339.6	3167.9	2996.8	2895.8	2862.9	2831.9
7.5°	4130.4	3991.0	3673.6	3286.9	2959.6	2639.8	2361.5	2116.7	1961.7	1886.1	1858.2
10°	3972.4	3776.5	3317.2	2807.8	2340.4	1907.8	1547.1	1233.4	1108.2	1023.3	1001.6
12.5°	3833.6	3568.3	2968.9	2316.2	1761.5	1239.6	895.6	700.4	615.5	582.0	576.4
15°	3702.8	3373.7	2633.6	1871.2	1219.8	763.0	569.6	503.3	483.5	477.9	477.9
17.5°	3579.4	3188.3	2305.7	1433.0	807.0	534.9	471.7	456.8	450.6	450.0	450.6
20°	3450.5	3003.0	1983.4	1050.0	563.4	453.1	435.7	427.7	425.8	425.8	425.8
22.5°	3327.2	2817.7	1669.8	750.0	451.8	413.4	404.7	399.2	397.3	396.7	395.4
25°	3208.8	2641.6	1363.6	529.9	396.7	378.7	371.3	363.8	358.3	355.2	353.3
27.5°	3111.5	2484.8	1078.5	425.2	358.3	342.8	333.5	322.3	308.7	302.5	300.0
30°	3034.0	2341.7	831.2	358.9	322.3	306.8	292.6	273.3	253.5	243.0	242.3
32.5°	2973.2	2201.0	631.0	317.3	290.1	270.9	250.4	226.2	203.3	191.5	190.9
35°	2943.5	2077.0	482.2	287.0	261.6	237.4	212.0	185.3	163.0	151.9	150.6
37.5°	2963.3	1972.2	376.2	261.6	237.4	209.5	179.7	151.9	132.0	122.1	121.5
40°	3035.9	1905.3	305.6	239.9	216.9	182.8	150.6	124.6	107.8	99.8	99.2
42.5°	3190.2	1880.5	260.9	221.9	197.1	158.1	125.2	102.9	87.4	81.8	80.6
45°	3448.0	1917.1	230.6	204.5	176.6	134.5	103.5	84.3	70.7	66.3	65.7
47.5°	3791.4	2013.2	208.9	187.8	158.1	113.4	86.2	68.2	57.6	53.3	52.7
50°	4234.0	2165.6	190.9	171.1	140.7	96.1	71.3	53.9	44.6	41.5	41.5
52.5°	4715.5	2347.2	174.8	155.6	123.3	80.0	57.6	41.5	35.3	31.6	31.6
55°	5113.5	2505.9	157.4	143.8	102.3	66.3	44.0	31.6	26.0	24.2	24.2
57.5°	5510.8	2675.1	137.6	123.3	81.8	53.9	33.5	23.6	19.2	18.0	18.0
60°	6025.8	2882.1	118.4	100.4	64.5	40.9	24.8	16.7	14.3	13.6	13.6
62.5°	6592.3	3003.6	101.0	80.6	50.2	30.4	18.0	11.2	10.5	10.5	9.9
65°	6938.8	2831.9	84.9	64.5	39.0	22.9	11.8	8.1	9.3	8.7	7.4
67.5°	6496.9	2217.1	69.4	50.2	30.4	17.4	7.4	5.6	9.9	8.1	6.2
70°	5379.4	1552.0	53.9	35.3	24.2	14.9	5.0	3.7	10.5	8.1	5.0
72.5°	4025.7	1038.8	42.8	23.6	18.0	13.0	4.3	1.9	9.3	6.8	4.3
75°	2199.7	418.4	34.1	14.9	11.2	9.3	3.1	1.2	6.2	5.0	3.1
77.5°	578.9	110.3	24.8	9.9	6.2	3.7	1.9	0.6	3.1	2.5	1.2
80°	147.5	42.8	16.1	6.8	4.3	1.9	0.0	0.0	0.6	0.0	0.0
82.5°	78.7	18.0	9.9	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	59.5	11.8	5.6	3.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.9	3.7	1.9	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)