

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: P322340

Luminaire Tested: **GAN-SA6D-760-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-760-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33817 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

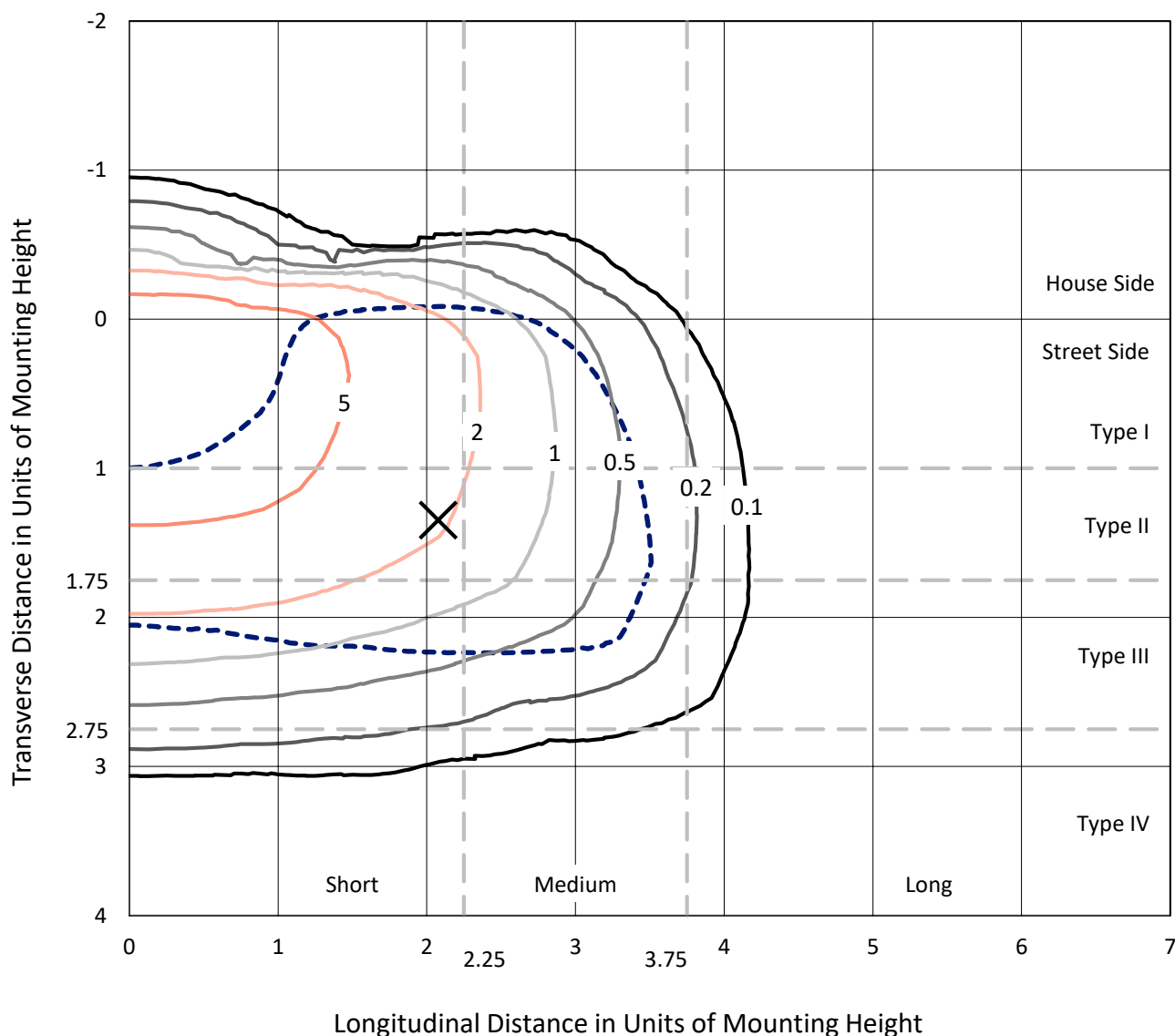
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

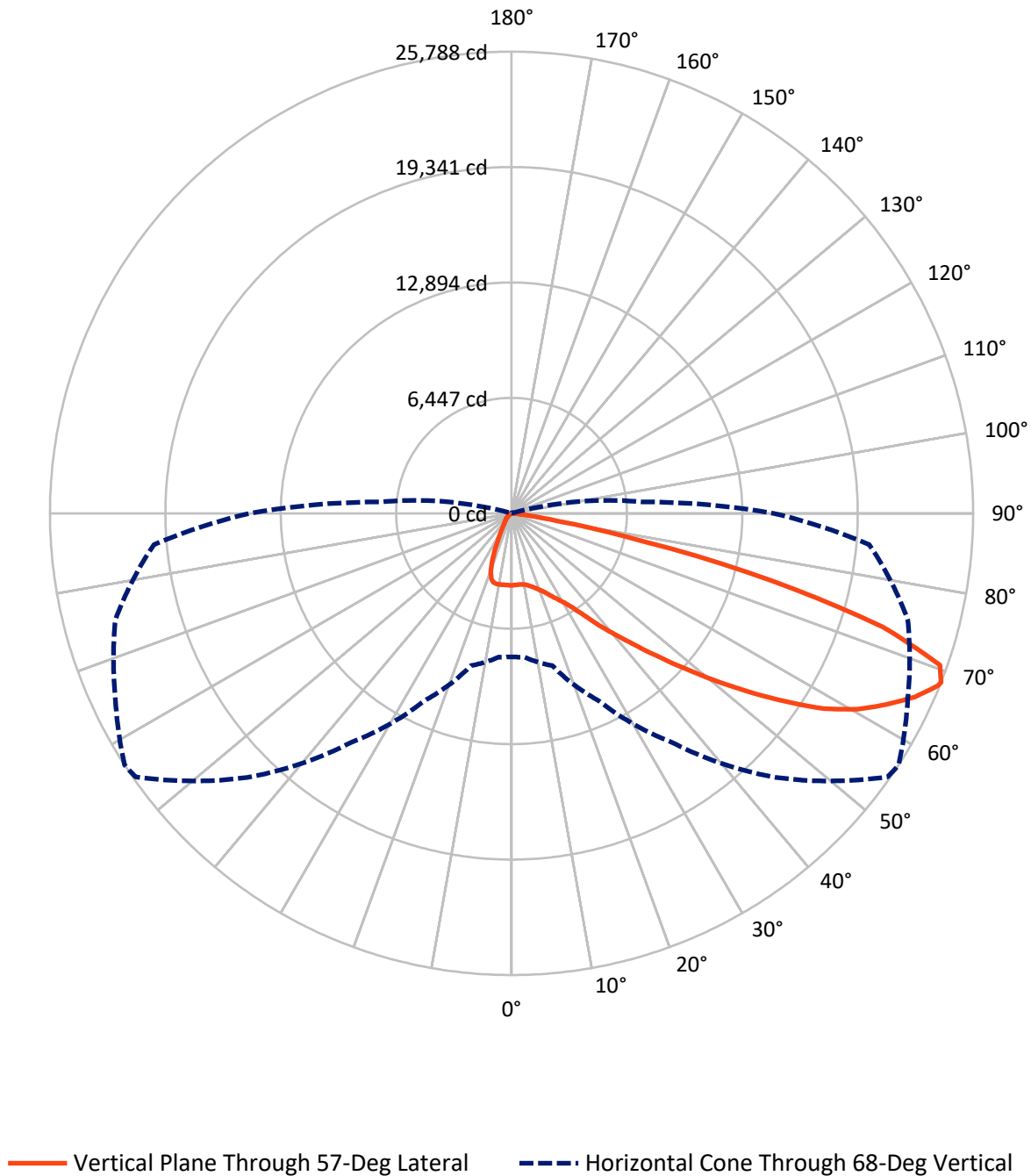
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3708.2	0.0	3708.2
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	30108.8	0.0	30108.8
	% Fixture	89.0	0.0	89.0
Total	Lumens	33817.0	0.0	33817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.1	1.1
10°-20°	1042.1	3.1
20°-30°	1797.7	5.3
30°-40°	3102.7	9.2
40°-50°	5307.3	15.7
50°-60°	8491.2	25.1
60°-70°	9810.6	29.0
70°-80°	3748.8	11.1
80°-90°	140.5	0.4
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°	33817.0	100.0
0°-180°	33817.0	100.0

Coefficient of Utilization



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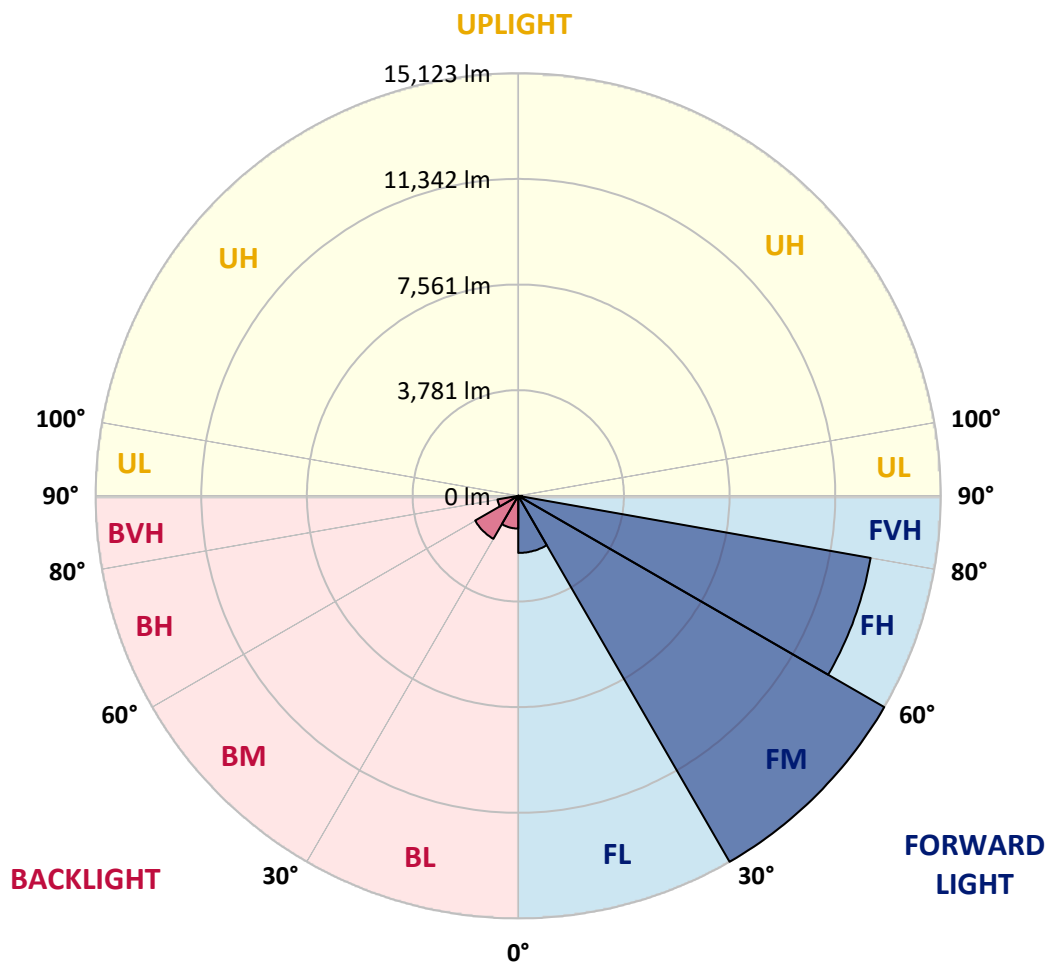
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2043.9	6.0			
FM	(30°-60°)	15122.7	44.7			
FH	(60°-80°)	12804.2	37.9			G5
FVH	(80°-90°)	138.0	0.4			G2/225
BL	(0°-30°)	1171.9	3.5	B3/2500		
BM	(30°-60°)	1778.5	5.3	B2/2500		
BH	(60°-80°)	755.2	2.2	B2/1000		G2/1000
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4
2.5°	3924.0	3941.6	3954.4	3962.4	3972.0	3992.8	3999.2	4008.8	4013.6	4013.6	4024.7
5°	3768.9	3788.1	3815.3	3837.7	3882.4	3940.0	3981.6	3997.6	4026.3	4051.9	4066.3
7.5°	3625.0	3647.4	3679.4	3732.1	3808.9	3901.6	3988.0	4010.4	4066.3	4120.7	4147.9
10°	3532.2	3549.8	3591.4	3666.6	3767.3	3896.8	4018.4	4045.5	4141.5	4232.6	4283.8
12.5°	3500.3	3516.3	3559.4	3644.2	3768.9	3920.8	4088.7	4128.7	4269.4	4402.1	4474.1
15°	3546.6	3549.8	3596.2	3676.2	3799.3	3980.0	4205.4	4253.4	4430.9	4603.6	4693.1
17.5°	3725.7	3711.3	3735.3	3770.5	3868.0	4058.3	4328.6	4400.5	4637.2	4840.3	4925.0
20°	4173.5	4173.5	4119.1	4023.1	4024.7	4179.9	4494.9	4576.4	4865.8	5100.9	5177.6
22.5°	4939.4	4925.0	4816.3	4581.2	4365.3	4389.3	4697.9	4803.5	5140.9	5391.9	5417.5
25°	5860.4	5842.8	5674.9	5343.9	4969.8	4728.3	4973.0	5094.5	5468.7	5690.9	5638.2
27.5°	6835.8	6821.4	6655.1	6244.2	5711.7	5268.8	5300.8	5415.9	5802.9	6021.9	5854.0
30°	7780.9	7785.7	7621.0	7198.8	6596.0	5958.0	5716.5	5783.7	6127.5	6349.7	6109.9
32.5°	8679.5	8685.9	8543.6	8071.9	7509.0	6759.1	6292.2	6274.6	6504.8	6723.9	6448.9
35°	9480.6	9496.6	9399.1	9032.9	8436.5	7651.3	7038.9	6997.3	7040.5	7288.4	6968.6
37.5°	10253.0	10262.5	10189.0	9880.4	9381.5	8631.5	7982.3	7923.2	7830.4	8020.7	7654.5
40°	11098.8	11074.9	10990.1	10710.3	10281.7	9714.1	8996.1	8893.8	8732.3	8901.8	8556.4
42.5°	11885.6	11858.4	11872.8	11556.2	11194.8	10827.0	10177.8	10001.9	9907.6	10102.6	9662.9
45°	12869.0	12854.6	12902.5	12627.5	12334.9	12067.8	11532.2	11340.3	11298.7	11527.4	11001.3
47.5°	13839.6	13874.7	14023.5	13906.7	13788.4	13553.3	12966.5	12880.2	12905.7	13182.4	12413.2
50°	14648.7	14690.2	15098.0	15232.3	15403.4	15265.9	14677.5	14624.7	14725.4	14974.9	13932.3
52.5°	15233.9	15318.7	15825.6	16444.4	17068.0	17160.7	16573.9	16525.9	16661.8	16700.2	15106.0
55°	15640.1	15715.2	16289.3	17421.4	18691.0	19090.8	18726.2	18540.7	18515.1	18136.1	16340.4
57.5°	15712.0	15704.0	16529.1	18053.0	19963.8	20995.2	20764.9	20582.7	20058.2	19463.3	17755.6
60°	15305.9	15352.2	16310.1	18272.1	20763.3	22435.9	22453.5	22216.9	21399.8	20753.8	19127.5
62.5°	14055.4	14244.1	15211.5	17698.0	20753.8	23016.4	23691.2	23510.5	22533.5	21810.7	20518.7
65°	12027.9	12095.0	13017.7	15731.2	19351.4	22773.3	24805.7	24738.5	23555.2	22837.3	21233.5
67.5°	8783.4	8637.9	9606.9	12387.7	16383.6	21356.6	25605.2	25689.9	24343.6	23048.4	20472.3
68°	8015.9	8059.1	8813.8	11561.0	15606.5	20856.1	25658.0	25787.5	24421.9	22910.8	20056.6
70°	4777.9	4861.0	5534.2	7959.9	11872.8	18024.2	25088.7	25384.5	23955.0	21492.5	17347.8
72.5°	1220.1	1319.2	1955.6	3562.6	6781.5	12699.5	21179.1	21679.6	20798.5	17435.8	11711.3
75°	502.1	527.7	698.8	1173.7	2526.5	5721.3	13959.5	15030.8	14418.4	10438.4	5292.8
77.5°	347.0	364.6	449.3	650.8	1093.7	1939.6	6843.8	7617.8	6863.0	3562.6	1154.5
80°	249.4	263.8	321.4	433.3	628.4	692.4	2230.6	2579.2	2048.4	781.9	286.2
82.5°	148.7	159.9	239.9	308.6	382.2	331.0	554.9	630.0	593.2	388.6	127.9
85°	73.6	86.3	161.5	220.7	206.3	139.1	169.5	188.7	233.5	236.7	68.8
87.5°	4.8	9.6	94.3	132.7	57.6	32.0	49.6	60.8	83.1	116.7	28.8
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°	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4	4018.4
2.5°	4029.5	4031.1	4020.0	4015.2	4018.4	3999.2	3991.2	3994.4	3994.4	3999.2	3991.2
5°	4069.5	4069.5	4050.3	4024.7	4010.4	3973.6	3949.6	3943.2	3938.4	3935.2	3928.8
7.5°	4155.9	4146.3	4112.7	4056.7	4008.8	3928.8	3868.0	3836.1	3820.1	3813.7	3808.9
10°	4295.0	4277.4	4221.4	4117.5	4007.2	3864.8	3732.1	3637.8	3559.4	3527.5	3508.3
12.5°	4482.1	4456.5	4362.1	4189.4	3996.0	3733.7	3445.9	3169.3	2911.8	2806.3	2753.5
15°	4697.9	4661.2	4512.5	4250.2	3930.4	3437.9	2812.7	2328.2	1971.6	1837.3	1779.7
17.5°	4917.0	4869.0	4643.6	4288.6	3733.7	2825.5	1973.2	1490.3	1252.0	1188.1	1165.7
20°	5137.7	5067.3	4757.1	4259.8	3289.2	2037.2	1301.6	1088.9	1020.2	1001.0	994.6
22.5°	5347.1	5238.4	4859.4	4147.9	2604.8	1367.2	1029.8	962.6	940.2	929.0	925.8
25°	5529.4	5377.5	4949.0	3802.5	1843.7	1033.0	927.4	905.0	876.3	855.5	857.1
27.5°	5700.5	5516.6	5003.4	3233.2	1229.7	882.7	858.7	828.3	775.5	745.1	745.1
30°	5906.8	5702.1	5043.3	2488.1	905.0	780.3	761.1	714.8	642.8	602.8	602.8
32.5°	6217.0	5983.6	5017.7	1746.1	749.9	686.0	641.2	577.2	498.9	460.5	458.9
35°	6691.9	6418.5	4835.5	1144.9	662.0	596.4	524.5	446.1	377.4	345.4	343.8
37.5°	7331.5	7000.5	4426.1	818.7	593.2	513.3	426.9	340.6	289.4	268.6	267.0
40°	8161.4	7676.9	3840.9	663.6	529.3	433.3	329.4	263.8	228.7	212.7	214.3
42.5°	9157.6	8401.3	3138.9	572.5	466.9	356.6	257.4	207.9	185.5	174.3	171.1
45°	10264.1	9116.0	2403.3	510.1	404.6	287.8	201.5	164.7	147.1	140.7	140.7
47.5°	11481.0	9811.6	1758.9	455.7	337.4	222.3	161.5	134.3	119.9	115.1	113.5
50°	12585.9	10294.5	1268.0	398.2	276.6	175.9	131.1	111.9	102.3	95.9	95.9
52.5°	13507.0	10446.4	933.8	335.8	223.9	140.7	108.7	95.9	86.3	81.6	81.6
55°	14317.7	10384.1	694.0	276.6	180.7	115.1	92.7	81.6	73.6	68.8	68.8
57.5°	15094.8	10182.6	518.1	225.5	145.5	92.7	78.4	68.8	60.8	57.6	57.6
60°	15729.6	9846.8	385.4	182.3	116.7	75.2	65.6	56.0	49.6	44.8	44.8
62.5°	16244.5	9475.8	283.0	150.3	92.7	59.2	51.2	46.4	36.8	32.0	32.0
65°	16247.7	8860.2	212.7	124.7	72.0	46.4	38.4	36.8	24.0	19.2	17.6
67.5°	15072.4	7638.5	163.1	107.1	56.0	35.2	28.8	30.4	12.8	8.0	6.4
68°	14645.5	7328.3	153.5	105.5	52.8	33.6	27.2	30.4	11.2	6.4	4.8
70°	12347.7	5830.0	123.1	102.3	46.4	25.6	22.4	30.4	9.6	4.8	3.2
72.5°	7897.6	3383.5	91.1	81.6	35.2	19.2	14.4	27.2	9.6	3.2	1.6
75°	3361.2	1049.0	62.4	57.6	20.8	14.4	9.6	17.6	6.4	1.6	0.0
77.5°	708.4	236.7	36.8	35.2	14.4	9.6	6.4	4.8	1.6	0.0	0.0
80°	182.3	68.8	19.2	17.6	8.0	4.8	3.2	0.0	0.0	0.0	0.0
82.5°	57.6	27.2	11.2	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.8	16.0	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.0	4.8	1.6	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)