

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: P323830

Luminaire Tested: **GAN-SA6A-740-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323830  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6A-740-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22622 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

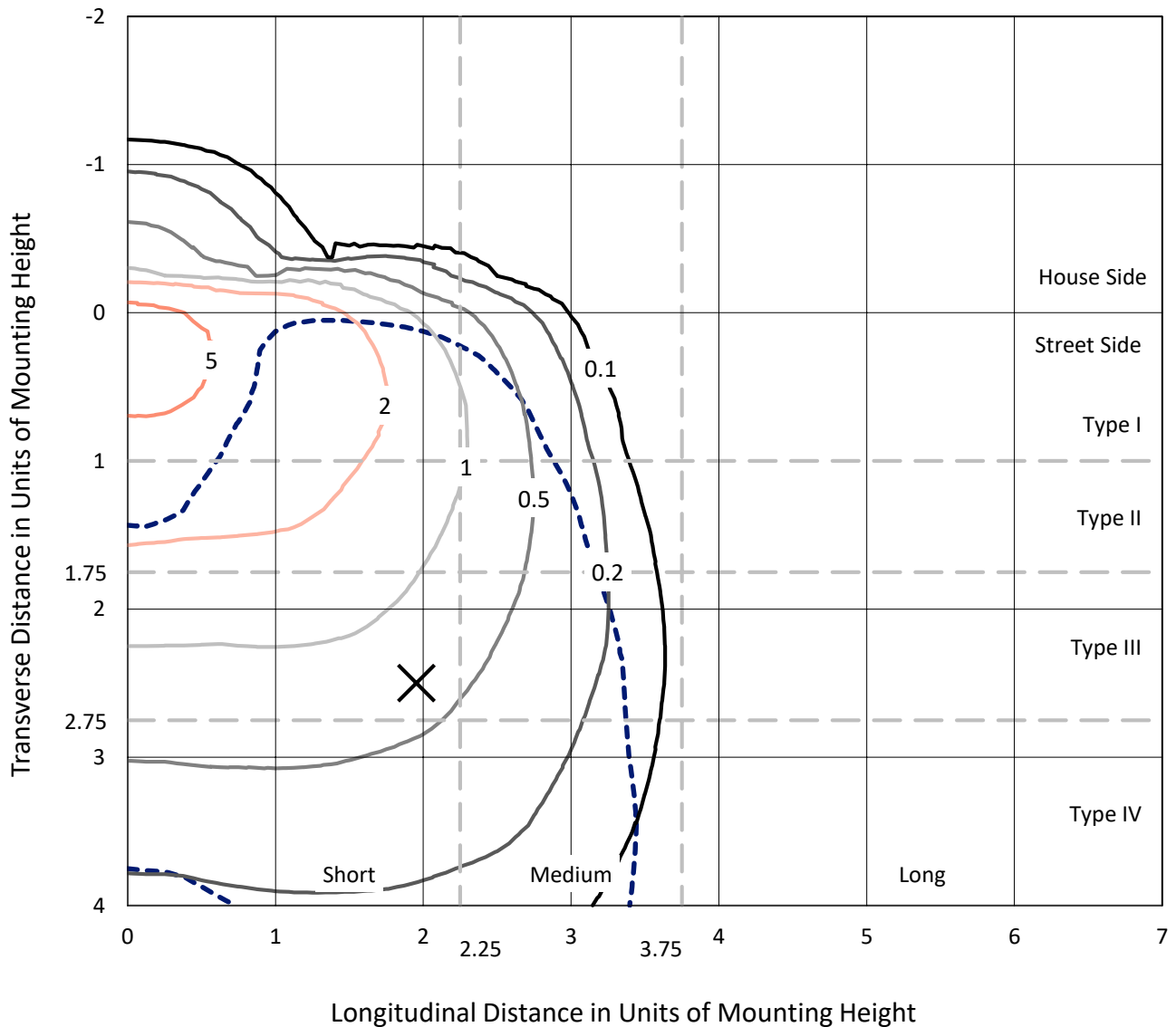
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

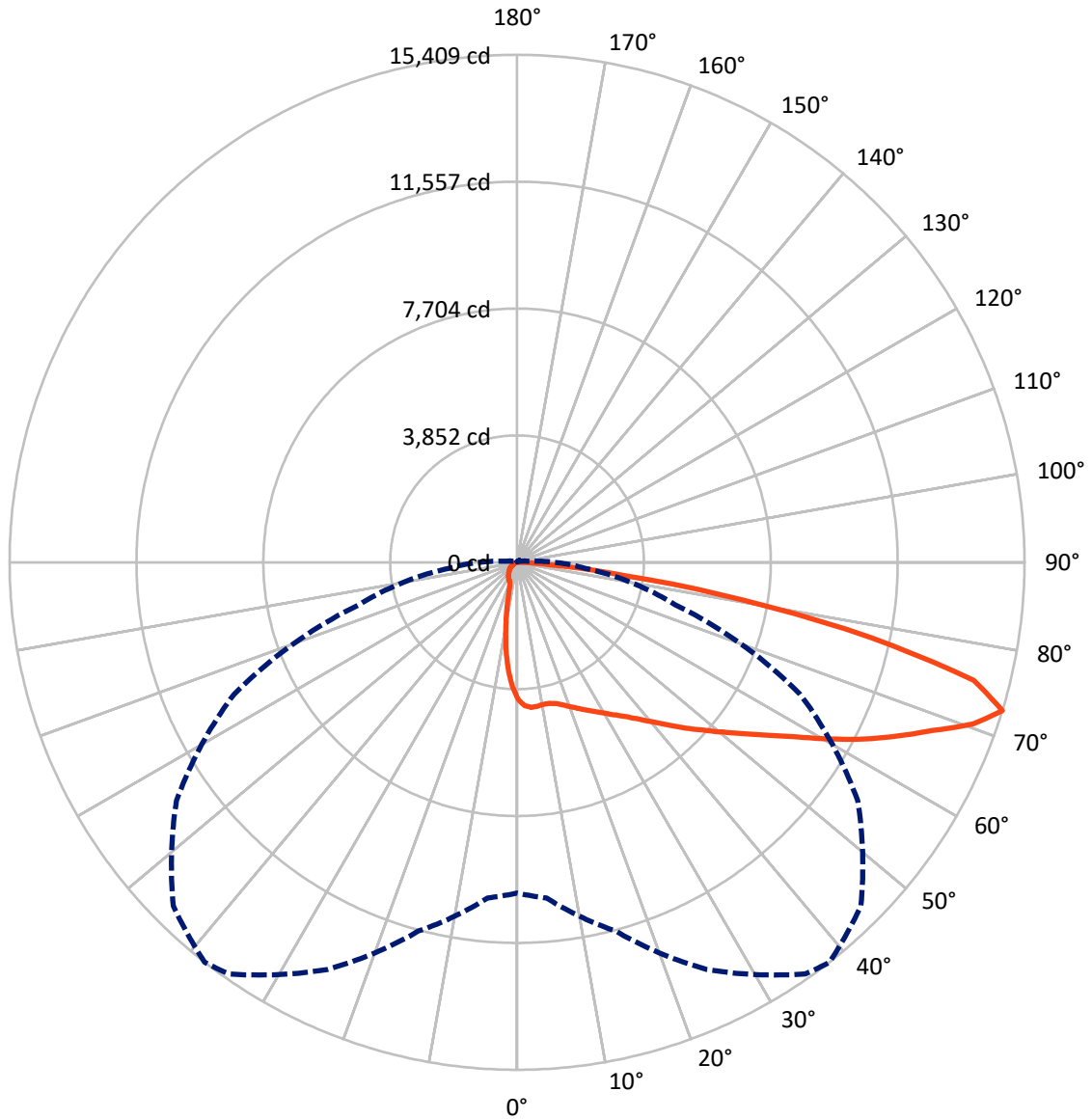
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1903.7	0.0	1903.7
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	20718.3	0.0	20718.3
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	22622.0	0.0	22622.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.5	1.6
10°-20°	866.9	3.8
20°-30°	1378.8	6.1
30°-40°	2072.8	9.2
40°-50°	3162.2	14.0
50°-60°	4469.3	19.8
60°-70°	5606.0	24.8
70°-80°	4191.7	18.5
80°-90°	519.8	2.3
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°	22622.0	100.0
0°-180°	22622.0	100.0

**Coefficient of Utilization**

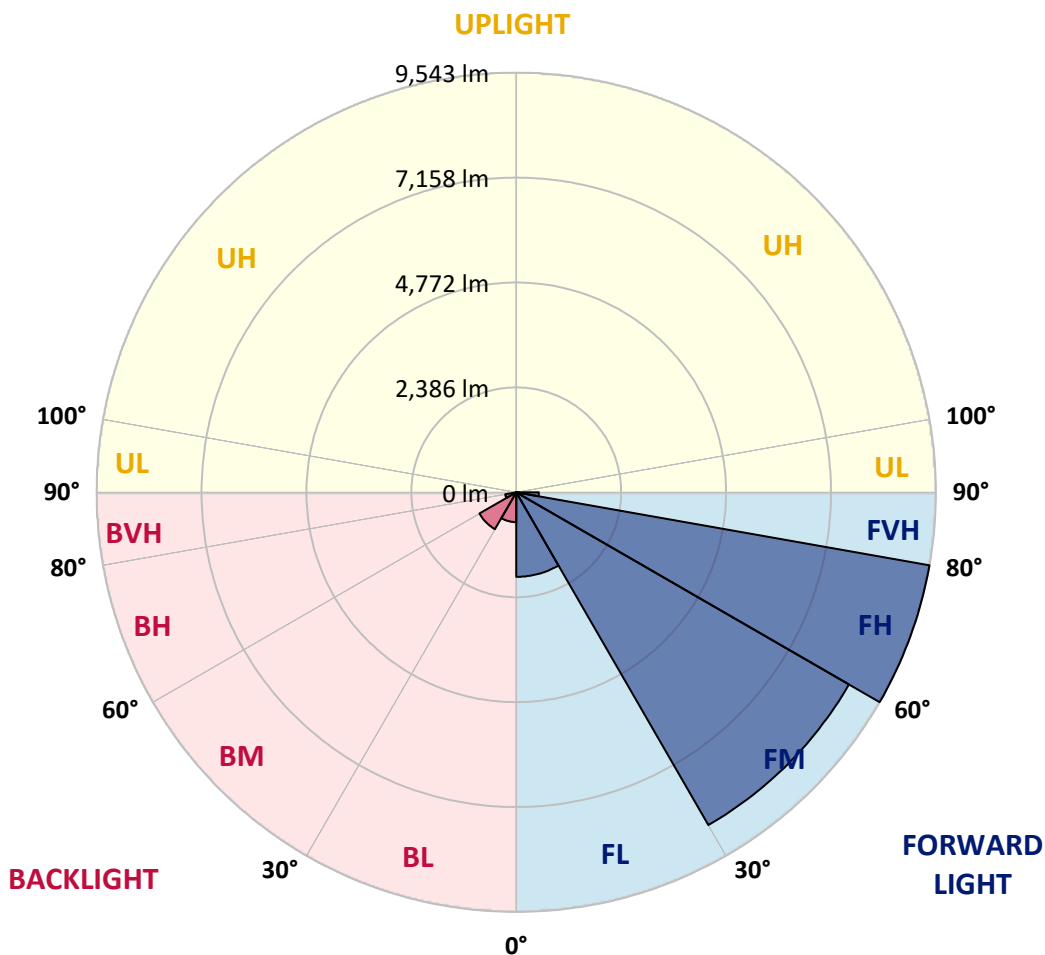


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1922.3	8.5			
FM (30°-60°)	8737.6	38.6			
FH (60°-80°)	9543.4	42.2			G4/12000
FVH (80°-90°)	514.9	2.3			G4/750
BL (0°-30°)	677.8	3.0	B2/1000		
BM (30°-60°)	966.7	4.3	B1/1000		
BH (60°-80°)	254.3	1.1	B1/500		G1/500
BVH (80°-90°)	4.9	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-G4**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1
2.5°	4415.7	4416.6	4406.3	4389.3	4367.7	4356.5	4337.7	4307.6	4275.7	4218.4	4156.4
5°	4505.8	4505.8	4492.7	4470.1	4435.4	4425.1	4389.3	4341.4	4275.7	4182.7	4078.4
7.5°	4496.5	4498.3	4480.5	4457.0	4422.2	4412.8	4369.6	4316.1	4234.3	4121.6	3988.2
10°	4447.6	4452.3	4438.2	4426.9	4395.0	4384.7	4344.3	4290.7	4209.0	4088.7	3935.6
12.5°	4397.8	4402.5	4407.2	4417.5	4397.8	4394.0	4362.1	4317.0	4239.0	4114.1	3941.2
15°	4365.9	4375.3	4409.1	4449.5	4454.2	4450.4	4429.7	4387.5	4308.6	4178.9	3981.6
17.5°	4365.9	4380.9	4451.4	4528.4	4555.6	4558.5	4540.6	4481.4	4387.5	4248.4	4019.2
20°	4402.5	4423.2	4533.1	4642.1	4687.2	4687.2	4652.4	4569.7	4459.8	4311.4	4044.6
22.5°	4496.5	4523.7	4661.8	4787.7	4835.6	4825.3	4778.3	4658.0	4535.0	4382.8	4076.5
25°	4681.5	4702.2	4845.9	4972.8	5001.9	4978.4	4919.2	4765.1	4630.8	4479.5	4134.7
27.5°	4920.2	4923.0	5071.4	5178.5	5160.7	5144.7	5070.5	4899.5	4768.9	4617.6	4235.3
30°	5182.3	5182.3	5312.9	5394.6	5340.1	5327.0	5252.8	5062.0	4945.5	4805.5	4378.1
32.5°	5436.0	5447.2	5553.4	5605.1	5544.0	5530.8	5458.5	5267.8	5180.4	5092.1	4600.7
35°	5681.2	5689.6	5790.1	5818.3	5760.1	5763.8	5712.2	5550.6	5517.7	5506.4	4936.1
37.5°	5918.9	5920.7	6023.1	6041.0	6011.9	6043.8	6048.5	5905.7	5966.8	6057.9	5408.7
40°	6135.9	6137.8	6239.2	6285.3	6335.1	6376.4	6413.0	6336.9	6538.9	6750.3	5971.5
42.5°	6309.7	6329.4	6458.1	6545.5	6677.0	6756.0	6855.5	6851.8	7220.1	7537.6	6651.7
45°	6462.8	6496.7	6676.1	6829.2	7054.7	7180.6	7336.6	7458.7	7986.7	8414.2	7340.3
47.5°	6664.8	6696.8	6901.6	7152.4	7453.1	7618.4	7876.8	8140.8	8829.4	9274.8	8013.0
50°	6949.5	6935.4	7137.4	7497.2	7883.4	8100.4	8468.7	8864.2	9665.6	10024.5	8408.5
52.5°	7252.9	7247.3	7396.7	7872.1	8390.7	8644.4	9131.0	9612.0	10465.1	10541.2	8589.9
55°	7628.7	7588.4	7714.2	8299.6	8992.9	9265.4	9838.5	10352.4	11102.1	10832.4	8681.0
57.5°	8022.4	7955.7	8076.0	8775.9	9672.2	9994.4	10622.0	11073.9	11525.8	11031.6	8680.1
60°	8429.2	8350.3	8493.1	9371.5	10515.8	10888.8	11471.3	11561.5	11921.3	11132.1	8616.2
62.5°	8769.3	8722.3	8934.7	10008.5	11458.2	11824.6	12113.0	12004.9	12254.9	11210.1	8466.8
65°	9129.1	9132.0	9474.9	10751.7	12459.7	12706.8	12731.2	12579.9	12533.9	11194.2	7961.3
67.5°	9615.8	9660.9	10233.0	11760.7	13433.9	13624.6	13622.8	13202.8	12737.8	10559.1	6840.5
70°	10130.6	10236.8	11106.8	12915.3	14497.4	14691.0	14591.4	13599.3	11993.7	8538.2	4841.2
72.5°	10044.2	10228.3	11592.5	13643.4	15261.3	15408.8	14761.4	12625.0	9479.6	4962.4	2061.3
75°	7749.0	7962.3	10629.5	12921.9	14459.9	14327.4	12683.3	9824.4	5180.4	1384.8	464.1
77.5°	4093.4	4207.1	7021.8	9844.1	11275.0	10997.8	8934.7	5450.0	1579.3	342.9	208.6
80°	2143.9	2170.2	3060.0	5585.3	6958.9	6960.8	5295.0	2393.8	651.1	175.7	140.0
82.5°	1148.1	1170.6	1616.9	2580.8	3646.2	3305.2	2027.4	1317.2	378.6	99.6	134.3
85°	276.2	280.9	917.0	1179.1	1433.7	1024.1	602.2	1105.8	102.4	58.2	109.0
87.5°	106.2	108.0	340.1	510.1	365.5	236.8	281.9	412.4	13.2	22.5	16.9
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°	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1	4160.1
2.5°	4118.8	4094.3	4034.2	3958.1	3890.5	3841.6	3768.3	3720.4	3688.5	3687.5	3675.3
5°	4014.5	3964.7	3835.0	3681.0	3541.0	3415.1	3266.6	3149.2	3061.8	3047.7	3017.7
7.5°	3902.7	3821.0	3621.8	3381.3	3146.4	2907.8	2630.6	2458.7	2311.2	2240.7	2233.2
10°	3834.1	3719.5	3436.7	3089.1	2720.8	2332.8	1970.1	1719.3	1538.0	1486.3	1447.8
12.5°	3820.0	3668.8	3293.9	2814.7	2288.6	1775.7	1374.5	1107.7	963.0	917.0	904.7
15°	3834.1	3645.3	3173.6	2543.2	1850.8	1259.9	922.6	767.6	713.1	699.9	699.0
17.5°	3842.6	3617.1	3037.4	2241.6	1426.2	900.0	706.5	661.4	653.0	652.0	653.9
20°	3841.6	3573.9	2874.9	1905.3	1060.7	707.4	638.9	629.5	627.6	628.5	627.6
22.5°	3835.0	3523.1	2696.4	1558.6	801.4	632.3	609.7	604.1	603.2	603.2	603.2
25°	3847.3	3482.7	2500.0	1227.0	660.5	597.5	583.4	578.7	577.8	577.8	575.9
27.5°	3891.4	3460.2	2284.9	944.2	596.6	566.5	555.2	554.3	551.5	550.5	552.4
30°	3962.8	3460.2	2049.1	734.7	558.1	534.6	526.1	524.2	523.3	522.4	523.3
32.5°	4088.7	3486.5	1791.6	610.7	521.4	498.9	493.2	496.1	493.2	493.2	493.2
35°	4316.1	3565.4	1522.0	532.7	482.9	464.1	458.5	462.2	460.4	460.4	459.4
37.5°	4647.7	3712.0	1250.5	485.7	449.1	429.4	421.8	427.5	425.6	425.6	424.7
40°	5051.7	3925.2	992.1	450.0	416.2	395.5	389.0	391.8	387.1	387.1	389.0
42.5°	5550.6	4195.8	766.6	415.3	383.3	363.6	359.8	357.0	348.6	343.9	344.8
45°	6104.9	4477.7	597.5	381.4	352.3	336.3	330.7	323.2	309.1	299.7	300.6
47.5°	6600.0	4694.7	485.7	348.6	324.1	311.9	303.5	289.4	268.7	257.4	258.4
50°	6860.2	4727.6	413.4	315.7	297.8	285.6	273.4	251.8	227.4	215.1	214.2
52.5°	6926.9	4573.5	359.8	285.6	271.5	257.4	241.5	212.3	185.1	171.9	170.0
55°	6951.4	4338.6	311.9	257.4	243.3	227.4	206.7	173.8	148.4	135.3	134.3
57.5°	6870.6	3988.2	274.3	232.1	215.1	195.4	170.0	139.0	114.6	104.3	104.3
60°	6691.1	3513.7	245.2	204.8	186.0	163.5	137.2	108.0	85.5	77.0	77.0
62.5°	6333.2	2899.3	218.0	176.6	158.8	135.3	110.9	81.7	60.1	55.4	56.4
65°	5657.7	2199.4	190.7	151.3	135.3	111.8	86.4	58.2	40.4	40.4	42.3
67.5°	4613.9	1527.6	162.5	128.7	116.5	91.1	65.8	40.4	28.2	31.9	35.7
70°	3054.3	856.8	139.0	106.2	99.6	72.3	48.9	27.2	22.5	30.1	36.6
72.5°	1152.8	333.5	116.5	85.5	86.4	55.4	34.8	20.7	20.7	32.9	43.2
75°	321.3	163.5	83.6	62.9	67.6	40.4	25.4	17.9	19.7	37.6	50.7
77.5°	188.8	120.3	54.5	36.6	46.0	28.2	16.9	14.1	16.9	31.9	48.9
80°	152.2	63.9	31.9	18.8	25.4	16.0	11.3	8.5	4.7	12.2	25.4
82.5°	152.2	38.5	15.0	13.2	13.2	8.5	5.6	3.8	0.9	0.0	6.6
85°	102.4	16.0	9.4	8.5	6.6	2.8	1.9	0.9	0.0	0.0	0.0
87.5°	16.9	6.6	3.8	1.9	0.9	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)