

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: P319510

Luminaire Tested: **GAN-SA6A-830-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319510
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-SA6A-830-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA 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: 21698 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

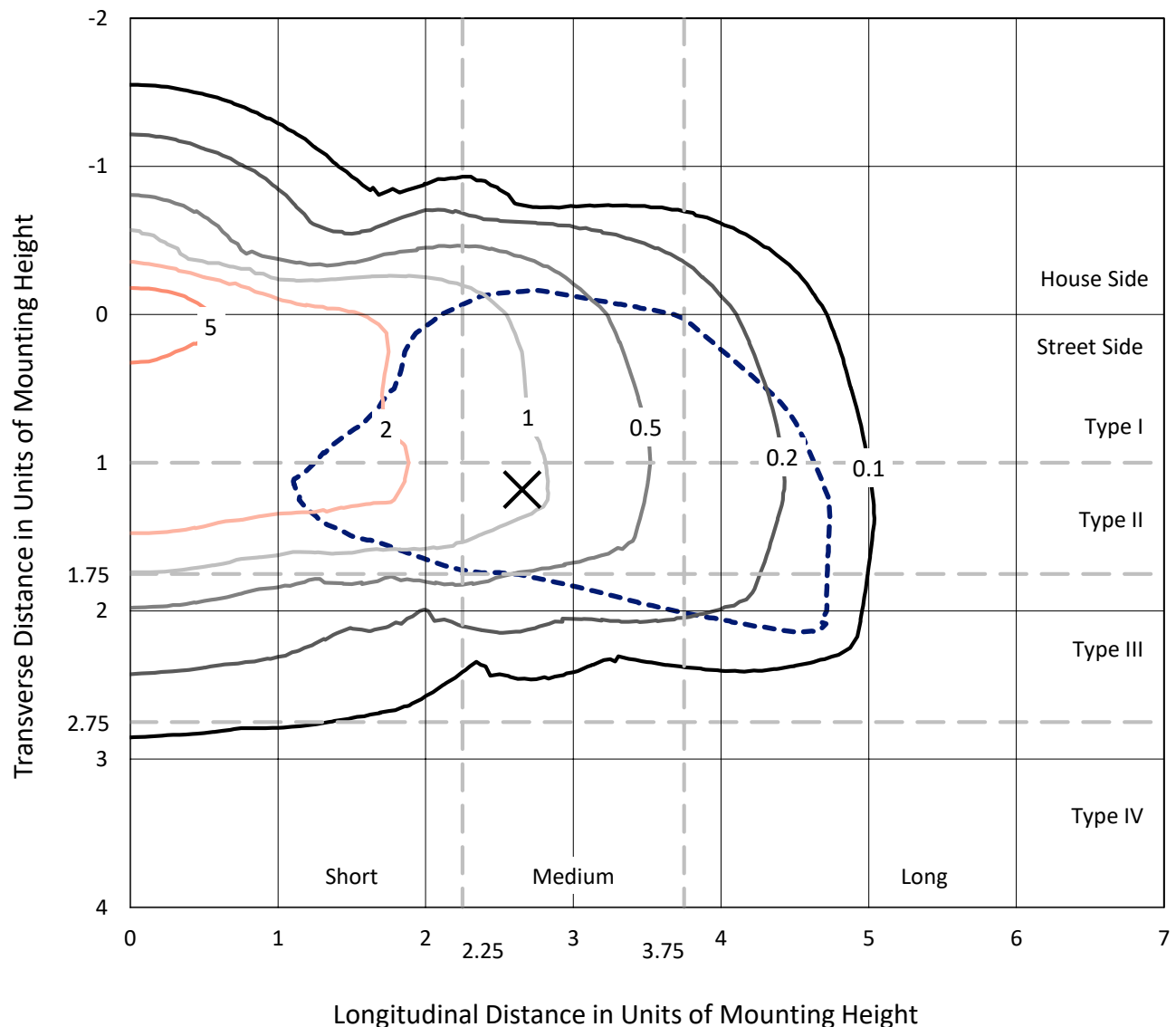
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

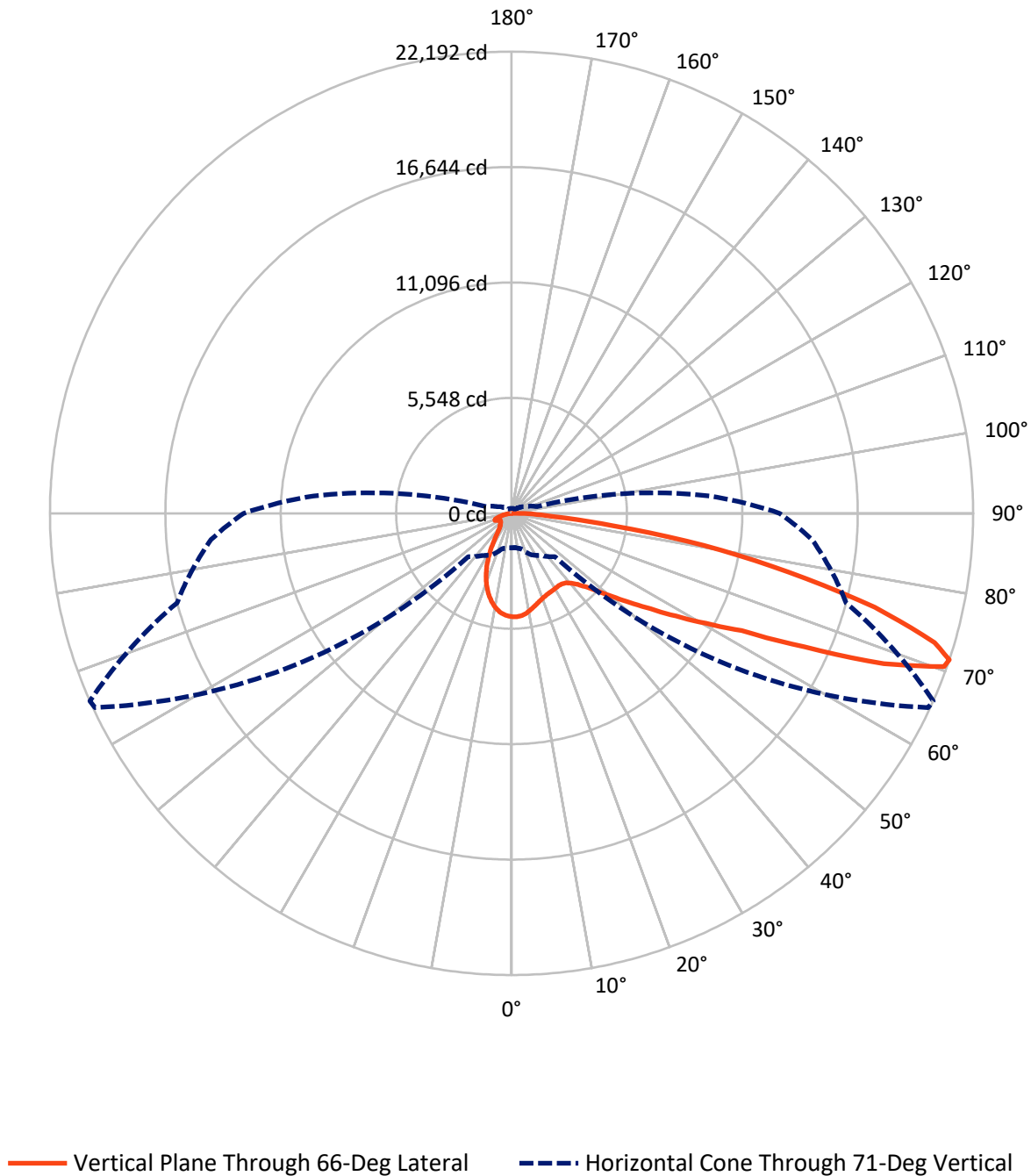
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4021.2	0.0	4021.2
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	17676.8	0.0	17676.8
	% Fixture	81.5	0.0	81.5
Total	Lumens	21698.0	0.0	21698.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	2.0
10°-20°	1049.4	4.8
20°-30°	1409.6	6.5
30°-40°	1854.3	8.5
40°-50°	2697.5	12.4
50°-60°	4213.8	19.4
60°-70°	5278.5	24.3
70°-80°	4026.3	18.6
80°-90°	731.1	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°	21698.0	100.0
0°-180°	21698.0	100.0

Coefficient of Utilization



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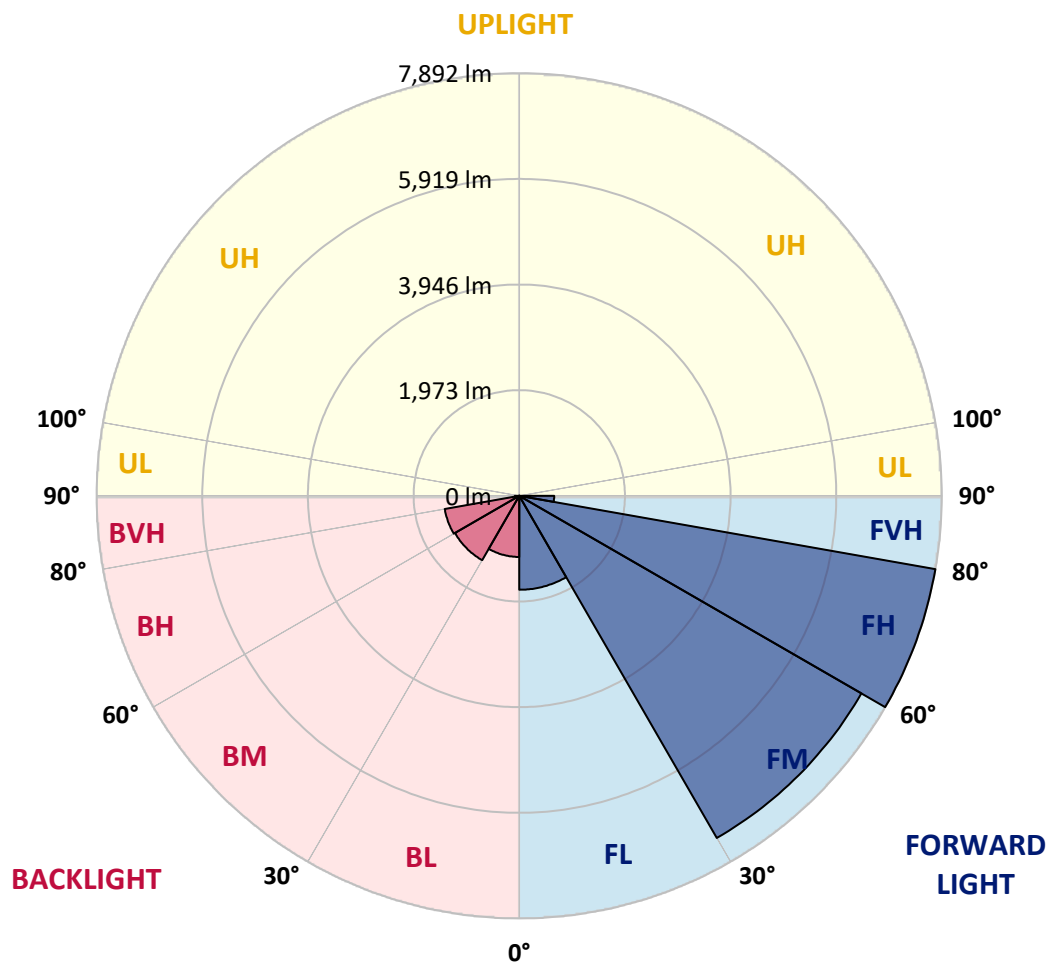
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1754.6	8.1			
FM	(30°-60°)	7378.4	34.0			
FH	(60°-80°)	7891.8	36.4			G4/12000
FVH	(80°-90°)	652.0	3.0			G4/750
BL	(0°-30°)	1141.9	5.3	B3/2500		
BM	(30°-60°)	1387.2	6.4	B2/2500		
BH	(60°-80°)	1413.0	6.5	B3/2500		G3/2500
BVH	(80°-90°)	79.1	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°	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6
2.5°	4878.4	4871.0	4893.4	4916.7	4925.6	4940.6	4963.1	4975.8	4975.1	4977.3	4969.8
5°	4554.8	4545.1	4590.0	4626.7	4697.2	4776.6	4873.2	4942.1	4943.6	4982.6	4993.1
7.5°	4248.4	4241.7	4293.4	4352.5	4434.2	4555.6	4712.1	4860.5	4869.5	4975.1	5011.8
10°	4002.7	4001.2	4051.4	4115.8	4211.0	4346.6	4526.3	4743.6	4757.1	4939.1	5014.8
12.5°	3810.9	3813.9	3857.4	3930.8	4031.2	4172.7	4367.5	4612.5	4634.2	4882.2	4997.6
15°	3669.3	3681.3	3716.5	3790.7	3889.6	4033.4	4233.4	4491.1	4524.1	4818.5	4987.8
17.5°	3588.4	3601.9	3626.6	3688.1	3780.9	3919.5	4109.1	4391.5	4421.5	4769.8	4988.6
20°	3564.4	3575.7	3589.9	3627.4	3706.0	3831.9	4010.9	4301.6	4333.8	4730.9	4996.1
22.5°	3611.6	3619.9	3621.4	3618.4	3666.3	3769.0	3939.8	4235.7	4270.1	4705.4	5001.3
25°	3712.8	3724.0	3715.8	3688.1	3672.3	3735.2	3903.1	4192.2	4226.7	4686.7	4990.8
27.5°	3864.9	3866.3	3859.6	3823.6	3749.5	3739.0	3891.8	4166.8	4199.7	4664.9	4969.1
30°	4071.6	4081.4	4069.4	4020.7	3899.3	3798.9	3905.3	4142.0	4172.0	4637.2	4933.9
32.5°	4313.6	4337.6	4336.8	4285.9	4112.1	3933.0	3960.7	4127.1	4150.3	4608.0	4891.2
35°	4564.6	4597.5	4658.9	4637.2	4422.2	4145.0	4067.1	4151.0	4166.8	4604.3	4861.2
37.5°	4825.3	4858.2	4984.8	5043.3	4791.5	4448.4	4234.9	4235.7	4243.2	4650.0	4859.0
40°	5097.9	5133.2	5323.4	5475.5	5270.3	4832.7	4505.4	4412.5	4404.2	4762.3	4903.2
42.5°	5480.0	5511.5	5740.0	5934.0	5801.4	5324.9	4879.2	4685.2	4667.9	4982.6	5044.8
45°	5963.2	5990.2	6232.9	6440.4	6372.2	5886.8	5348.9	5060.5	5057.5	5349.7	5331.7
47.5°	6537.8	6558.8	6776.8	6977.6	7002.3	6533.3	5939.2	5639.6	5590.9	5853.1	5775.9
50°	7136.4	7159.6	7307.9	7523.7	7707.2	7398.6	6698.9	6349.0	6283.8	6517.6	6405.2
52.5°	7532.7	7563.4	7692.2	7965.7	8499.8	8347.0	7597.1	7209.0	7110.2	7322.9	7236.8
55°	7355.9	7424.8	7621.8	8060.1	9133.6	9795.8	8705.1	8212.2	8100.5	8277.3	8226.4
57.5°	6552.0	6646.4	6915.4	7591.9	9222.8	11072.4	10380.2	9393.6	9314.9	9264.0	9287.2
60°	5083.0	5173.6	5507.0	6388.7	8601.7	12004.3	12901.1	10849.9	10736.0	10254.3	10275.3
62.5°	3597.4	3551.7	3780.2	4425.2	6989.5	12113.7	15769.5	12797.7	12423.1	11300.1	11208.0
65°	2743.4	2732.9	2835.5	3040.8	4233.4	10805.0	17478.4	16071.5	15486.4	12530.2	12313.0
67.5°	2254.2	2235.5	2336.6	2635.5	2726.1	6970.8	17515.8	19869.6	19295.0	14061.5	13591.0
70°	1853.4	1832.4	1926.8	2312.6	2519.4	3535.2	14741.7	22093.8	22063.1	16000.3	14555.9
71°	1661.6	1646.6	1759.7	2188.3	2475.2	2946.4	12728.0	22099.8	22192.0	16656.5	14499.0
72.5°	1353.0	1358.2	1478.1	1947.8	2442.2	2601.8	9354.6	21069.8	21264.5	17282.1	13981.3
75°	899.0	903.5	1060.8	1498.3	2368.1	2545.6	5141.4	17679.9	18038.0	16907.5	12758.0
77.5°	603.8	602.3	709.4	1027.8	2063.2	2545.6	3014.6	13223.2	13616.5	13453.2	9835.6
80°	415.8	412.8	488.4	709.4	1562.0	2576.3	2330.6	9267.0	9386.1	7265.2	3997.4
82.5°	254.7	257.0	319.1	501.2	1063.0	2318.6	2200.2	5053.0	4923.4	2037.7	998.6
85°	146.1	145.3	203.8	339.4	682.5	1956.8	2145.6	2174.8	1995.0	613.6	361.1
87.5°	52.4	56.2	109.4	188.0	391.1	1362.7	1820.4	1131.2	1019.6	277.2	163.3
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°	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6	4970.6
2.5°	4964.6	4969.1	4963.8	4933.9	4908.4	4867.2	4844.0	4811.8	4802.0	4797.5	4809.5
5°	4983.3	4984.8	4940.6	4862.0	4773.6	4669.4	4594.5	4502.4	4458.9	4440.2	4452.2
7.5°	5000.6	4993.8	4897.2	4746.6	4583.3	4402.0	4240.9	4093.3	4007.2	3972.0	3975.0
10°	5002.8	4974.3	4819.3	4586.3	4333.1	4067.1	3819.9	3592.2	3448.3	3354.7	3383.1
12.5°	4979.6	4931.6	4704.6	4378.8	4027.4	3664.8	3330.7	2989.1	2783.8	2688.7	2691.7
15°	4961.6	4874.7	4563.8	4134.5	3662.6	3182.4	2726.1	2324.6	2105.9	2008.5	1962.8
17.5°	4946.6	4813.3	4400.5	3859.6	3231.8	2622.8	2074.4	1716.3	1596.4	1568.0	1556.0
20°	4925.6	4748.1	4218.4	3541.2	2741.1	1996.5	1514.8	1338.0	1338.7	1371.7	1376.2
22.5°	4896.4	4673.9	4024.4	3183.9	2214.5	1454.1	1187.4	1136.5	1188.1	1251.1	1262.3
25°	4853.0	4586.3	3808.7	2789.1	1688.6	1117.7	1014.3	1012.1	1075.0	1141.0	1150.7
27.5°	4791.5	4471.7	3568.9	2365.1	1244.3	949.9	908.7	924.4	970.9	1018.8	1022.6
30°	4709.1	4338.3	3304.5	1917.8	975.4	845.8	841.3	855.5	884.0	917.7	920.7
32.5°	4618.5	4202.7	3022.1	1484.8	835.3	789.6	794.1	800.8	814.3	827.8	830.8
35°	4536.1	4064.1	2732.9	1128.2	768.6	752.9	749.9	748.4	749.9	745.4	746.2
37.5°	4482.9	3949.5	2431.7	898.2	730.4	720.7	711.7	700.5	687.7	680.2	681.7
40°	4463.4	3864.1	2126.8	776.1	699.0	692.2	675.0	651.0	636.0	631.5	631.5
42.5°	4515.9	3819.9	1832.4	714.7	672.7	661.5	633.0	605.3	594.1	593.3	592.6
45°	4676.2	3837.9	1552.2	681.0	648.8	627.0	589.6	566.4	558.9	560.4	559.6
47.5°	4963.8	3951.0	1312.5	658.5	624.8	596.3	554.4	535.6	526.7	526.7	527.4
50°	5453.0	4215.5	1121.5	639.8	604.6	567.9	528.9	505.7	493.7	492.9	492.9
52.5°	6165.5	4688.9	1002.4	624.0	582.1	542.4	503.4	474.2	460.0	457.0	455.5
55°	7058.5	5367.6	969.4	613.6	552.1	514.7	472.7	443.5	427.8	421.0	420.3
57.5°	8057.1	6193.2	1034.6	600.8	521.4	481.7	439.0	411.3	394.8	386.6	385.8
60°	9067.7	7094.4	1300.5	582.8	495.9	445.7	404.5	379.1	362.6	353.6	352.1
62.5°	10079.8	8044.3	1843.7	581.3	478.0	411.3	369.3	347.6	331.9	322.1	319.9
65°	11221.5	9084.2	2460.9	621.0	472.0	379.8	333.4	316.1	302.7	293.7	292.9
67.5°	12532.5	10258.1	2401.8	702.7	492.2	351.4	299.7	286.2	276.4	268.9	268.2
70°	13147.5	10074.5	1493.1	760.4	520.7	323.6	267.4	257.7	250.2	245.0	242.7
71°	12889.8	9565.9	1251.8	753.6	517.7	311.6	254.7	247.2	239.7	235.2	233.0
72.5°	12187.1	8723.8	1044.3	701.2	483.9	289.9	238.2	230.7	224.0	218.8	217.3
75°	10936.1	7791.1	836.0	560.4	385.8	245.0	209.0	200.8	195.5	192.5	189.5
77.5°	8039.1	5560.2	646.5	442.7	283.9	200.0	178.3	172.3	167.1	162.6	160.3
80°	3079.7	2153.8	435.3	330.4	208.3	158.1	143.8	140.8	135.6	132.6	132.6
82.5°	829.3	643.5	232.2	200.0	139.3	115.4	110.1	108.6	104.1	98.1	98.9
85°	335.6	283.9	130.4	110.1	85.4	68.2	74.2	74.9	69.7	62.2	62.9
87.5°	147.6	120.6	72.7	48.7	37.5	26.2	33.7	33.7	30.7	25.5	23.2
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)