

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: P319090

Luminaire Tested: **GAN-SA6C-750-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42007 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

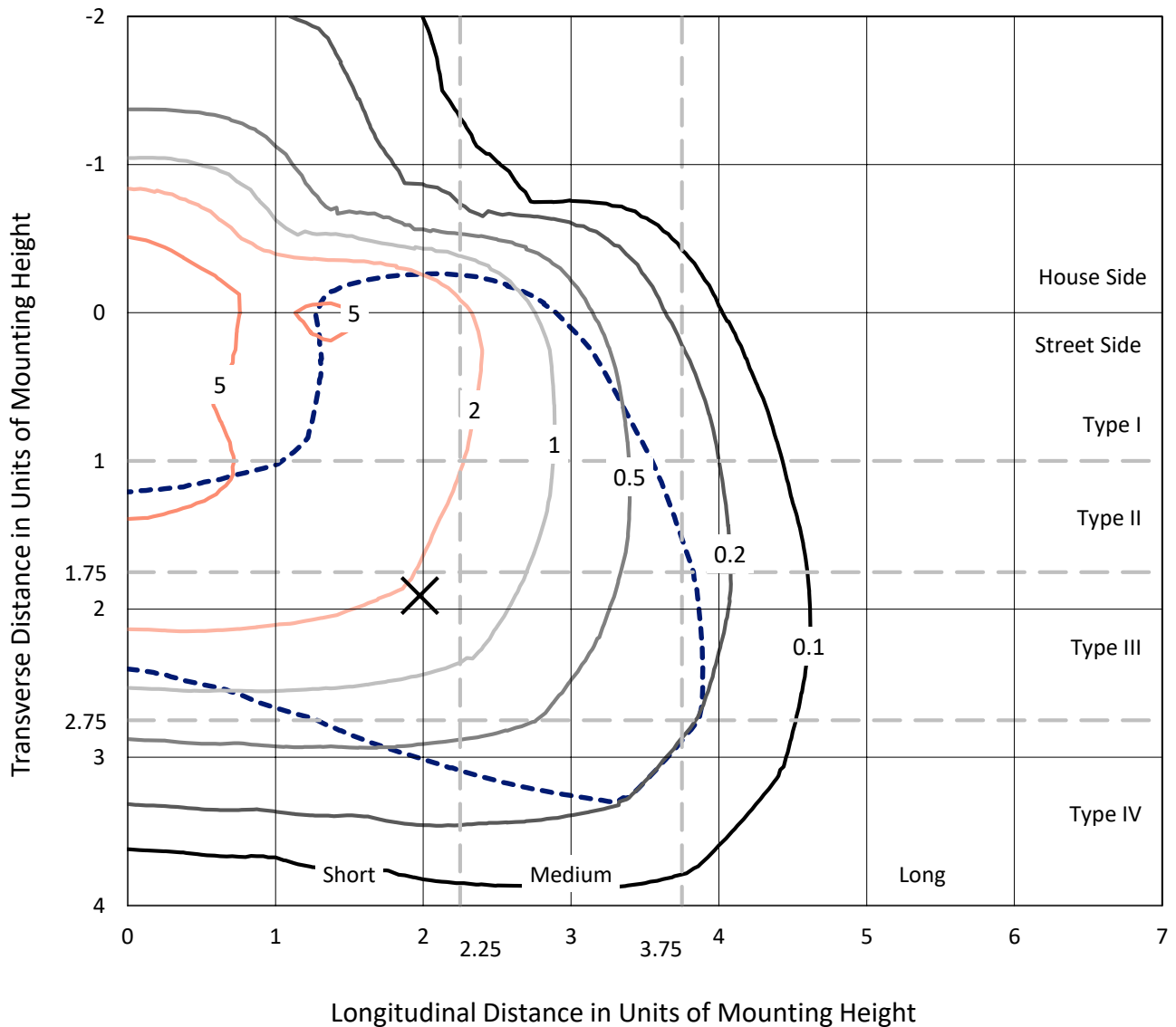
Input Watts (W): 333
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

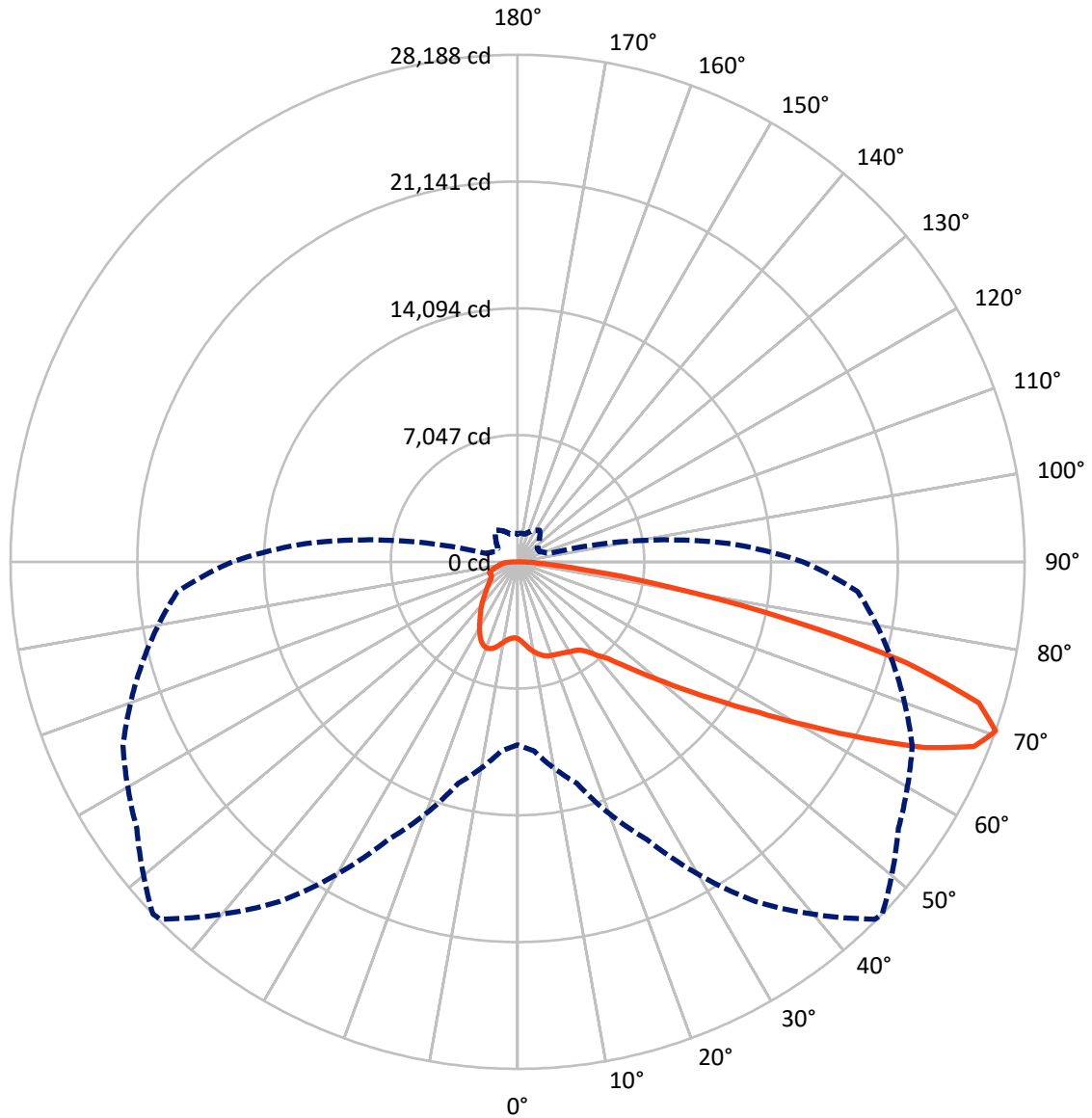
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9627.9	0.0	9627.9
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	32379.1	0.0	32379.1
	% Fixture	77.1	0.0	77.1
Total	Lumens	42007.0	0.0	42007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.3	1.0
10°-20°	1453.6	3.5
20°-30°	2423.6	5.8
30°-40°	3439.3	8.2
40°-50°	5059.0	12.0
50°-60°	8567.5	20.4
60°-70°	12161.4	29.0
70°-80°	7388.1	17.6
80°-90°	1078.2	2.6
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°	42007.0	100.0
0°-180°	42007.0	100.0

Coefficient of Utilization

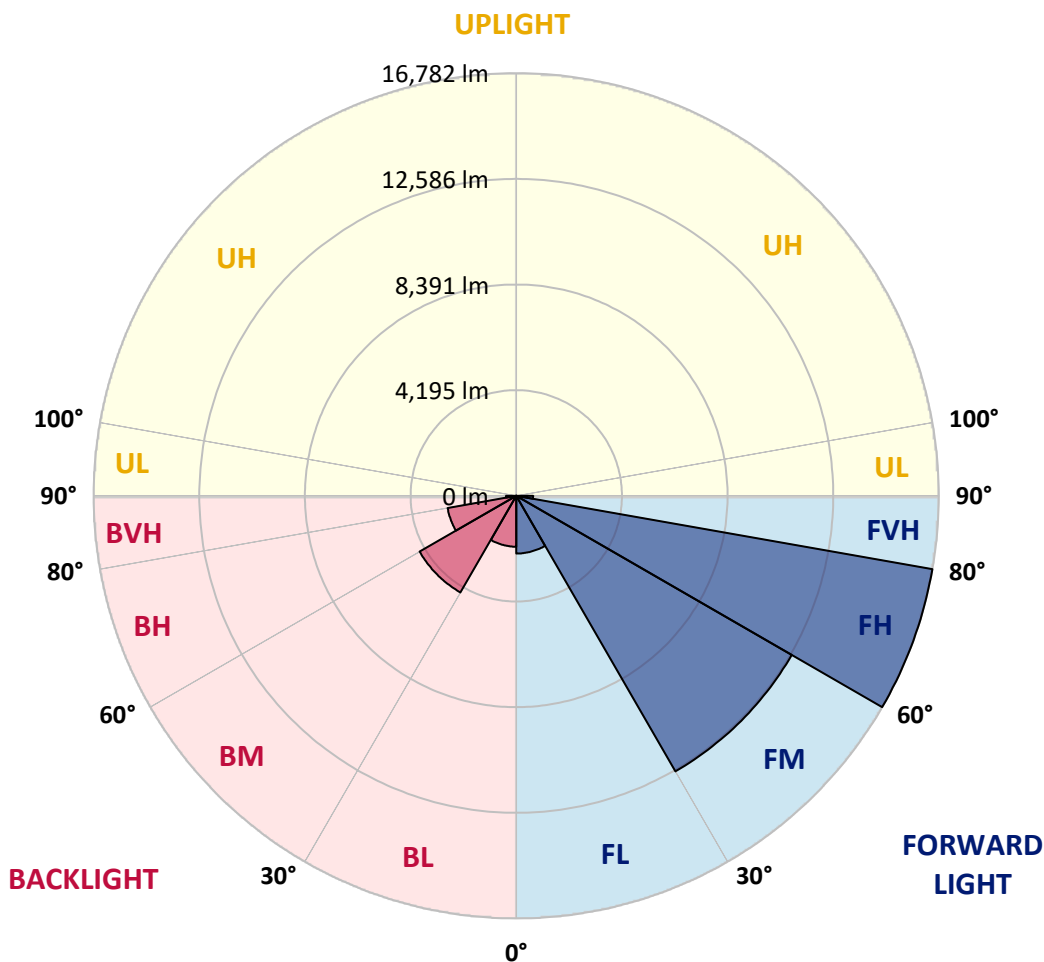


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2292.1	5.5			
FM (30°-60°)	12633.8	30.1			
FH (60°-80°)	16781.6	39.9			G5
FVH (80°-90°)	671.6	1.6			G4/750
BL (0°-30°)	2021.4	4.8	B3/2500		
BM (30°-60°)	4432.0	10.6	B3/5000		
BH (60°-80°)	2767.9	6.6	B4/5000		G4/5000
BVH (80°-90°)	406.6	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7
2.5°	4493.9	4496.8	4502.5	4488.1	4447.9	4436.4	4432.1	4390.4	4363.1	4322.8	4288.3
5°	4853.3	4856.2	4847.5	4807.3	4718.2	4652.0	4646.3	4551.4	4465.1	4373.1	4304.1
7.5°	5228.5	5232.8	5205.5	5129.3	5004.2	4889.2	4882.0	4752.7	4621.8	4482.4	4378.9
10°	5560.6	5543.3	5498.8	5392.4	5244.3	5103.4	5097.7	4962.5	4811.6	4643.4	4505.4
12.5°	5782.0	5767.6	5710.1	5580.7	5418.3	5288.9	5277.4	5152.3	5005.7	4821.7	4656.3
15°	5904.2	5914.2	5836.6	5690.0	5531.8	5422.6	5412.5	5323.4	5192.6	5007.1	4817.3
17.5°	5920.0	5928.6	5853.8	5708.7	5579.3	5504.5	5500.2	5441.3	5346.4	5168.1	4969.7
20°	5828.0	5833.7	5771.9	5652.6	5567.8	5544.8	5543.3	5517.5	5447.0	5288.9	5096.2
22.5°	5694.3	5698.6	5654.0	5567.8	5539.0	5575.0	5585.0	5575.0	5524.6	5376.6	5195.4
25°	5661.2	5658.3	5612.3	5524.6	5549.1	5625.3	5638.2	5642.5	5608.0	5478.6	5321.9
27.5°	5820.8	5810.7	5723.0	5582.1	5598.0	5690.0	5707.2	5748.9	5727.3	5613.8	5465.7
30°	6282.2	6265.0	6085.3	5800.7	5723.0	5770.5	5792.0	5858.2	5862.5	5767.6	5656.9
32.5°	7061.4	7039.9	6717.8	6208.9	5934.4	5852.4	5872.5	5971.7	6024.9	5951.6	5832.3
35°	8046.2	8021.7	7599.1	6903.3	6288.0	6009.1	6023.5	6102.5	6208.9	6105.4	5947.3
37.5°	9072.6	9013.7	8606.8	7719.8	6850.1	6344.1	6344.1	6354.1	6404.4	6188.8	6082.4
40°	10093.3	10034.3	9666.3	8680.1	7577.5	6871.7	6838.6	6615.8	6575.5	6390.1	6354.1
42.5°	11042.1	11024.8	10807.8	9765.5	8431.4	7390.6	7344.6	6966.5	6975.2	6860.2	6861.6
45°	12051.3	12051.3	11874.5	10861.0	9426.2	8224.4	8178.4	7622.1	7708.3	7655.1	7783.1
47.5°	12875.0	12900.9	12876.5	12002.4	10583.5	9283.9	9200.5	8530.6	8772.1	8954.7	9327.1
50°	13716.0	13756.3	13760.6	13254.5	11982.3	10543.2	10448.4	9736.8	10275.9	10799.1	11530.9
52.5°	14936.5	15027.1	14666.2	14503.8	13695.9	12038.3	11944.9	11287.9	12187.8	12922.5	14183.2
55°	16067.9	15988.8	15731.5	15832.1	15530.2	13740.4	13670.0	13093.5	14318.3	15272.9	16910.3
57.5°	16680.3	16674.6	16933.3	17364.6	17508.3	15839.3	15780.4	15219.7	16720.6	17437.9	19470.7
60°	17399.1	17409.2	18050.3	19029.3	19621.6	18452.8	18427.0	18001.4	19053.8	19459.2	21479.0
62.5°	17499.7	17680.9	18784.9	20469.8	21599.7	21506.3	21563.8	20507.2	21141.1	21072.1	22978.4
65°	16342.5	16581.1	18579.4	20905.4	23566.3	24845.8	24899.0	23027.2	22787.2	22450.8	23514.6
67.5°	13970.5	14324.1	16494.9	19958.0	24214.7	27314.1	27388.9	24980.9	24152.9	22918.0	22223.6
70°	10166.6	10559.1	12744.2	17045.4	23058.9	28103.4	28188.2	25844.9	24204.6	21588.2	18971.8
72.5°	6141.4	6449.0	8250.3	12548.7	19462.0	26665.8	26816.7	24749.5	22098.6	18286.1	14009.3
75°	2696.9	2898.2	3989.3	7231.1	13933.1	22062.6	22250.9	21184.3	17955.4	13289.0	8280.5
77.5°	1148.6	1206.1	1636.0	3141.1	7876.5	15076.0	15334.7	15478.5	12182.1	7231.1	3499.1
80°	715.9	738.9	925.8	1421.8	3686.0	8467.4	8746.3	9107.1	6049.4	2658.1	1221.9
82.5°	435.6	461.5	615.3	859.7	1919.2	3838.4	3972.0	4226.5	2347.6	1148.6	632.5
85°	261.6	280.3	376.6	543.4	1092.6	1509.5	1508.0	1667.6	1105.5	738.9	333.5
87.5°	125.1	139.4	201.3	281.8	550.6	566.4	530.5	600.9	671.4	484.5	168.2
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°	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7	4279.7
2.5°	4276.8	4271.1	4252.4	4238.0	4235.1	4226.5	4219.3	4223.6	4229.4	4230.8	4230.8
5°	4275.4	4259.6	4235.1	4225.1	4238.0	4255.3	4276.8	4305.6	4322.8	4335.8	4344.4
7.5°	4344.4	4314.2	4286.9	4281.1	4307.0	4353.0	4401.9	4462.3	4504.0	4532.7	4538.5
10°	4459.4	4422.0	4394.7	4400.4	4446.5	4512.6	4581.6	4659.2	4722.5	4761.3	4764.2
12.5°	4591.6	4555.7	4529.8	4554.3	4630.5	4711.0	4782.8	4850.4	4907.9	4946.7	4946.7
15°	4744.0	4718.2	4688.0	4744.0	4847.5	4919.4	4949.6	4982.7	5014.3	5043.0	5037.3
17.5°	4890.7	4866.2	4850.4	4916.5	5024.4	5057.4	5037.3	5012.9	5012.9	5028.7	5031.5
20°	5017.2	4995.6	5005.7	5070.4	5126.4	5091.9	5017.2	4939.5	4907.9	4916.5	4925.2
22.5°	5127.9	5117.8	5148.0	5178.2	5137.9	5017.2	4879.2	4774.2	4735.4	4732.5	4735.4
25°	5257.2	5255.8	5293.2	5238.6	5060.3	4837.5	4652.0	4550.0	4528.4	4545.6	4574.4
27.5°	5418.3	5434.1	5452.8	5252.9	4902.2	4565.8	4377.4	4307.0	4328.6	4370.3	4397.6
30°	5623.8	5667.0	5626.7	5217.0	4675.0	4255.3	4075.6	4055.4	4114.4	4173.3	4202.1
32.5°	5823.7	5891.2	5793.5	5123.6	4381.8	3926.0	3786.6	3780.8	3852.7	3910.2	3950.5
35°	5984.7	6118.4	5918.5	4938.1	4042.5	3622.7	3520.6	3481.8	3507.7	3575.3	3621.3
37.5°	6194.6	6417.4	6004.8	4654.9	3674.5	3372.6	3253.3	3164.1	3141.1	3168.4	3191.4
40°	6578.4	6873.1	6045.0	4259.6	3315.1	3122.4	3001.7	2870.9	2780.3	2714.2	2715.6
42.5°	7205.2	7466.8	6019.2	3779.4	2983.0	2878.0	2741.5	2590.5	2443.9	2294.4	2282.9
45°	8223.0	8349.5	5941.5	3270.5	2691.2	2622.2	2494.2	2343.3	2147.8	1978.1	1962.3
47.5°	9851.8	9571.4	5820.8	2826.3	2433.8	2405.1	2287.2	2113.3	1906.2	1769.7	1758.2
50°	12072.8	11335.4	5761.8	2472.6	2206.7	2215.3	2119.0	1935.0	1739.5	1638.8	1627.3
52.5°	14729.5	13389.7	5875.4	2199.5	2024.1	2054.3	1982.4	1809.9	1646.0	1567.0	1555.5
55°	17485.3	15517.3	5997.6	2001.1	1851.6	1910.6	1886.1	1743.8	1595.7	1522.4	1512.3
57.5°	19844.4	17105.8	5753.2	1840.1	1697.8	1789.8	1811.4	1702.1	1569.8	1503.7	1492.2
60°	21329.5	17745.6	5112.1	1689.2	1575.6	1693.5	1768.2	1690.6	1579.9	1574.2	1565.5
62.5°	22033.9	17689.5	4150.3	1569.8	1499.4	1651.8	1799.9	1755.3	1694.9	1746.7	1751.0
65°	21717.6	16844.2	3090.8	1490.8	1444.8	1667.6	1894.7	1877.5	1728.0	1779.7	1786.9
67.5°	19636.0	14827.3	2288.6	1421.8	1384.4	1712.2	2067.2	1917.7	1663.3	1700.7	1677.7
70°	15870.9	11755.1	1765.4	1344.1	1322.6	1706.4	2144.9	1893.3	1592.8	1601.5	1539.7
72.5°	10944.3	8016.0	1436.1	1272.3	1233.4	1555.5	2090.2	1832.9	1533.9	1467.8	1385.8
75°	5951.6	4302.7	1220.5	1197.5	1076.8	1365.7	1989.6	1789.8	1480.7	1393.0	1347.0
77.5°	2341.8	1785.5	1059.5	1095.4	941.6	1206.1	1877.5	1707.9	1407.4	1292.4	1269.4
80°	956.0	911.4	878.4	947.4	809.4	1055.2	1742.4	1611.5	1319.7	1198.9	1152.9
82.5°	542.0	566.4	682.9	747.5	657.0	971.8	1677.7	1533.9	1214.8	1073.9	1019.2
85°	277.5	332.1	475.8	536.2	483.0	826.6	1545.4	1342.7	974.7	822.3	826.6
87.5°	133.7	185.4	300.5	336.4	313.4	598.0	1154.4	973.2	759.0	600.9	582.2
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)