

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: P532664

Luminaire Tested: **GLAN-SA8A-735-U-T3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8A-735-U-T3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29329 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

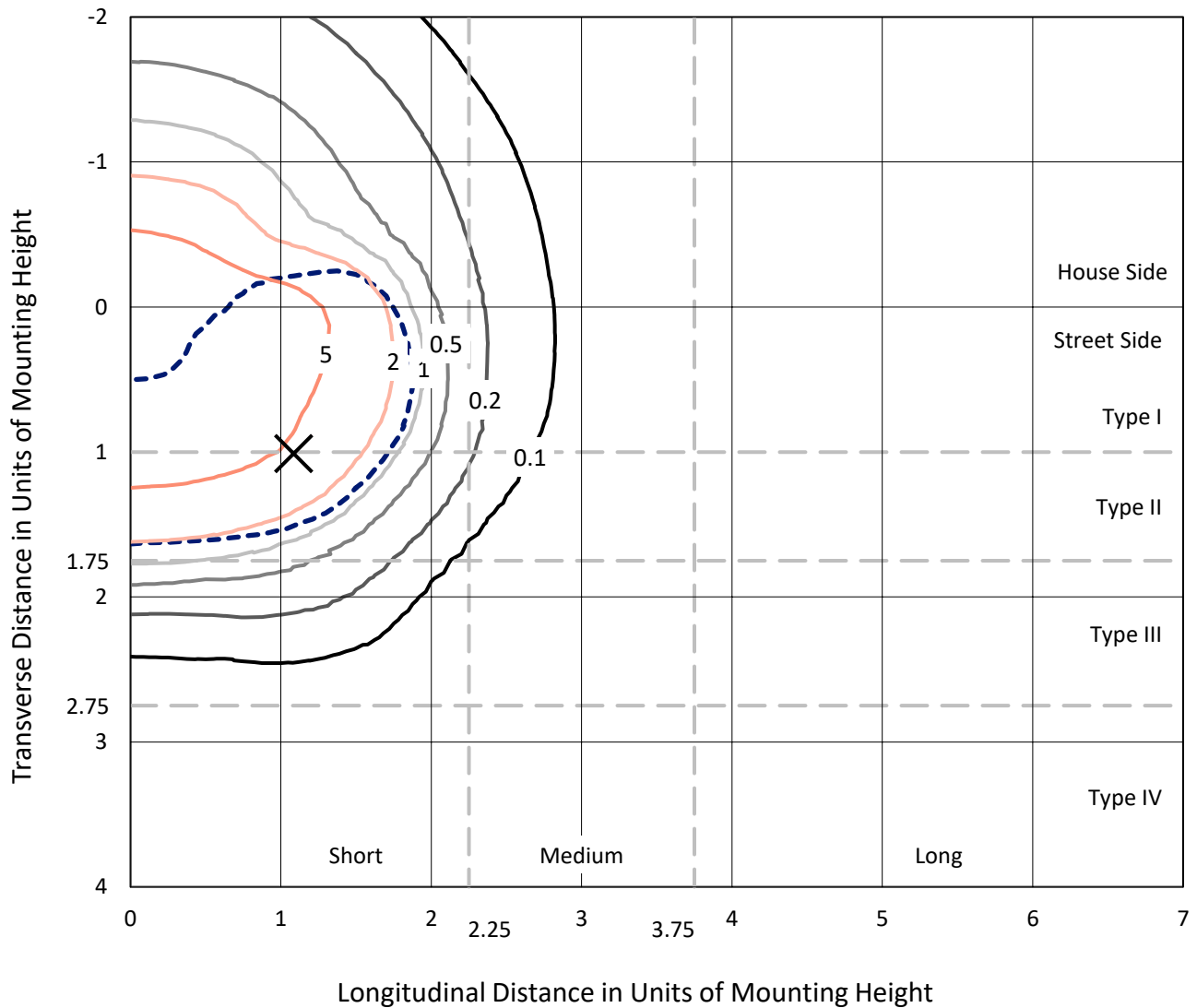
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

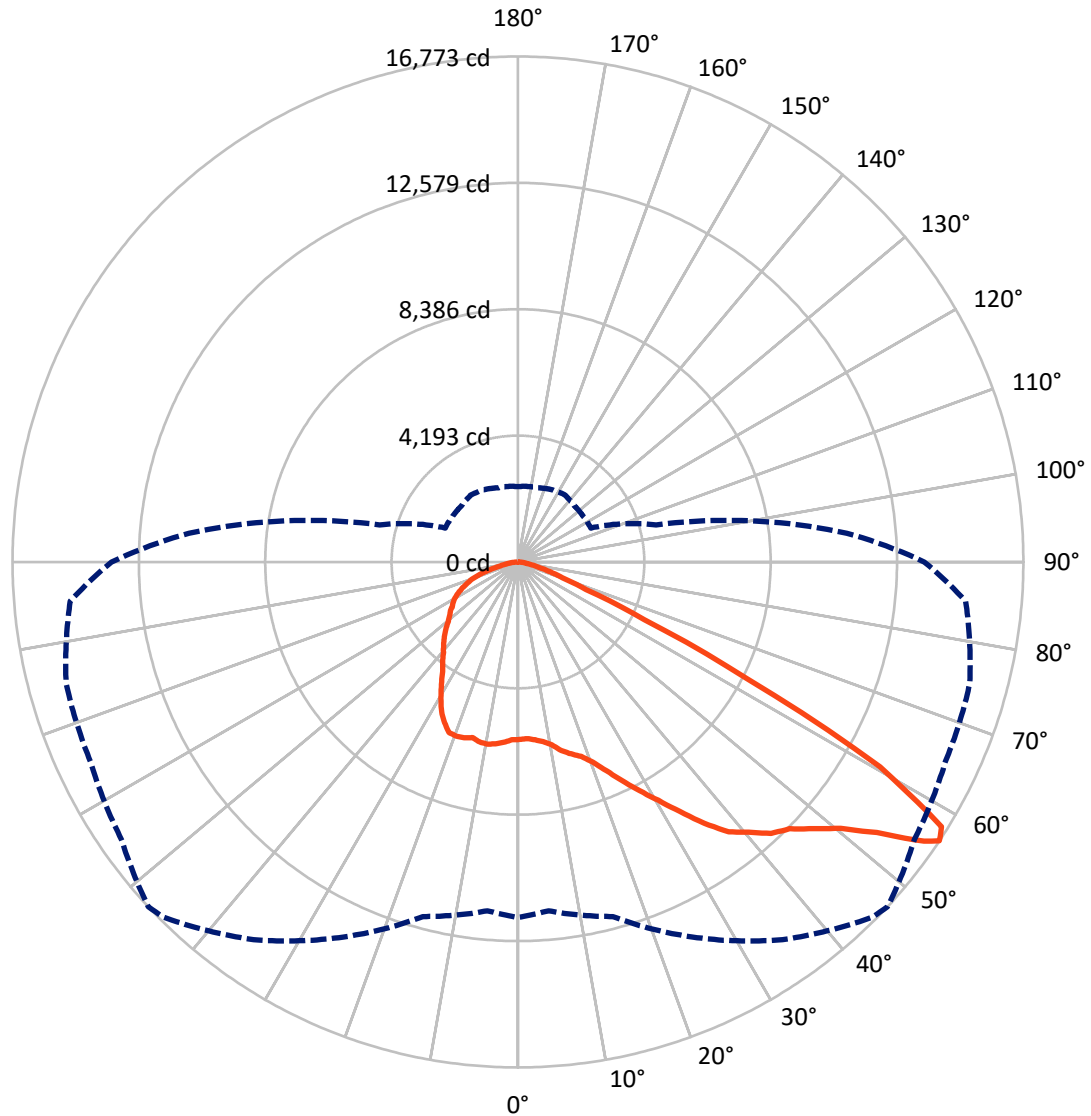
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9294.0	0.0	9294.0
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	20035.0	0.0	20035.0
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	29329.0	0.0	29329.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	574.0	2.0
10°-20°	1810.8	6.2
20°-30°	3201.0	10.9
30°-40°	4807.8	16.4
40°-50°	6598.2	22.5
50°-60°	7860.9	26.8
60°-70°	3364.0	11.5
70°-80°	952.0	3.2
80°-90°	160.2	0.5
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°	29329.0	100.0
0°-180°	29329.0	100.0

**Coefficient of Utilization**



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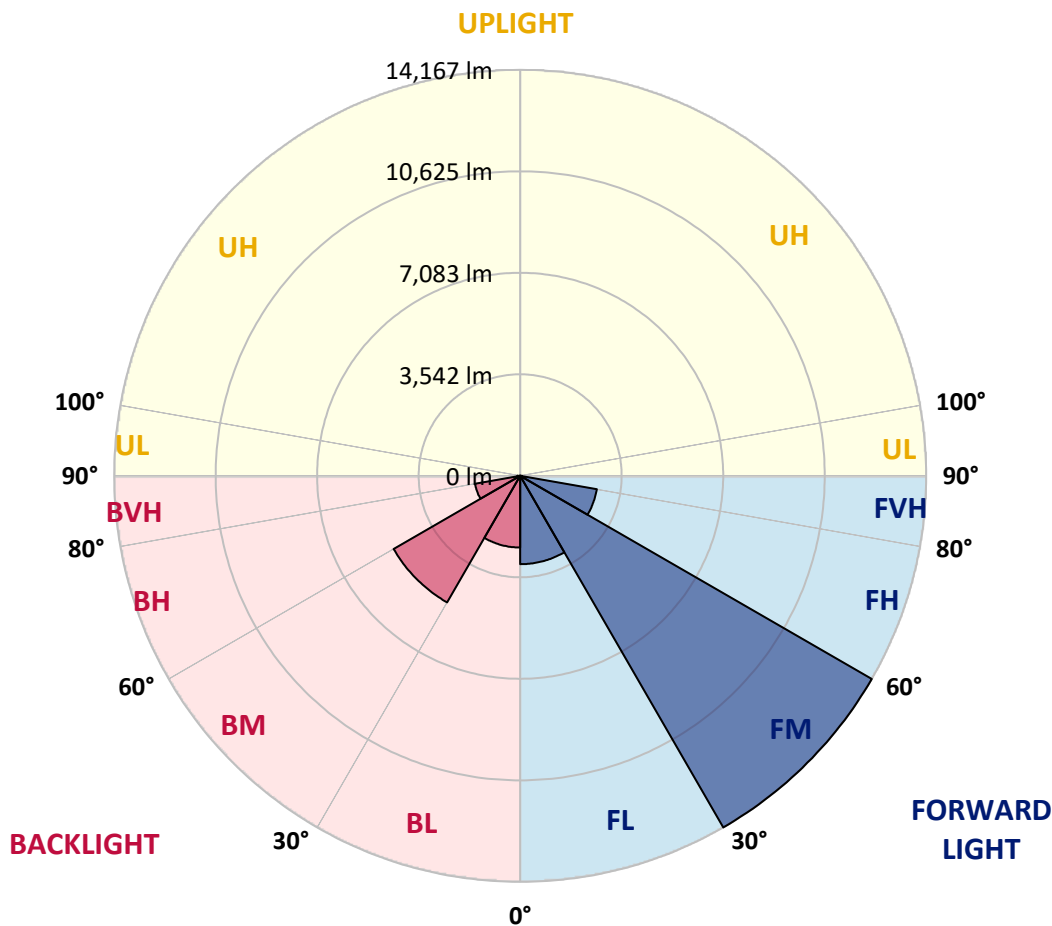
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3083.5	10.5			
FM (30°-60°)	14166.6	48.3			
FH (60°-80°)	2716.9	9.3			G2/5000
FVH (80°-90°)	68.0	0.2			G1/100
BL (0°-30°)	2502.3	8.5	B4/5000		
BM (30°-60°)	5100.4	17.4	B4/8500		
BH (60°-80°)	1599.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	92.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3
2.5°	5868.9	5857.6	5850.2	5910.0	5887.6	5891.3	5868.9	5891.3	5906.3	5872.6	5921.2
5°	5857.6	5891.3	5861.4	5880.1	5928.7	5913.7	5928.7	5973.6	5962.4	5951.2	5936.2
7.5°	5962.4	5966.1	5988.6	5996.0	6011.0	5996.0	6018.5	6059.6	6048.4	5984.8	5992.3
10°	6112.0	6119.5	6123.2	6164.4	6190.5	6194.3	6168.1	6130.7	6127.0	6213.0	6153.1
12.5°	6284.1	6265.4	6310.2	6325.2	6355.1	6388.8	6422.5	6343.9	6392.5	6396.3	6325.2
15°	6534.7	6553.4	6501.0	6501.0	6512.2	6516.0	6609.5	6572.1	6564.6	6523.5	6553.4
17.5°	6908.7	6781.5	6777.8	6725.4	6718.0	6747.9	6781.5	6811.5	6912.5	6830.2	6669.3
20°	7181.8	7211.7	7103.2	7039.6	7050.9	7118.2	7084.5	7219.2	7290.3	7155.6	6998.5
22.5°	7664.3	7563.3	7589.5	7447.4	7458.6	7529.6	7525.9	7664.3	7705.5	7492.2	7264.1
25°	7989.7	7963.5	7986.0	7873.8	7888.7	7944.8	8034.6	8262.8	8195.5	7959.8	7432.4
27.5°	8464.8	8412.4	8393.7	8352.6	8337.6	8487.2	8592.0	8835.1	8786.5	8442.3	7731.6
30°	8951.0	8917.4	8936.1	8767.8	8827.6	9145.5	9175.5	9508.4	9485.9	8880.0	8064.5
32.5°	9287.7	9306.4	9340.1	9246.5	9512.1	9766.5	9867.5	10245.3	10264.0	9631.8	8707.9
35°	9830.1	9766.5	9785.2	9893.7	10017.1	10480.9	10645.5	10896.1	11053.2	10421.1	9325.1
37.5°	10170.4	10237.8	10159.2	10331.3	10653.0	11210.3	11359.9	11618.0	11782.6	11199.1	10166.7
40°	10701.6	10593.1	10649.2	10772.7	11101.8	11827.5	11786.4	12051.9	12104.3	11861.2	10952.2
42.5°	11273.9	11221.5	11143.0	11423.5	11700.3	12227.7	12310.0	12186.6	12452.2	12508.3	12074.4
45°	11958.4	12022.0	12033.2	12040.7	12283.8	12743.9	12631.7	12523.2	12830.0	13237.7	12770.1
47.5°	12594.3	12392.3	12538.2	12740.2	13084.3	13088.0	13219.0	12960.9	13286.3	13649.1	13398.5
50°	12807.5	12710.3	12904.8	13286.3	13817.4	13873.6	13888.5	13521.9	13690.3	13978.3	13615.5
52.5°	12725.2	12691.6	13189.0	13780.0	14558.1	14842.3	14917.2	14464.6	14558.1	14427.2	14094.2
55°	12332.5	12433.5	12934.7	14139.1	15332.4	16211.4	16353.5	15781.2	15186.5	15287.5	14920.9
56°	11793.8	11618.0	12179.1	13731.4	15298.7	16656.5	16772.5	16058.0	15654.0	15523.1	14913.4
57.5°	10005.9	9777.7	10514.6	12354.9	14449.6	16488.2	16574.2	16174.0	15575.5	15309.9	13824.9
60°	5857.6	5969.9	6905.0	8520.9	11146.7	13518.2	13806.2	14098.0	13697.8	12508.3	10290.1
62.5°	2827.8	2756.8	3426.3	4885.1	6792.8	8629.4	8543.3	9362.5	9811.4	8887.5	6497.3
65°	1481.2	1473.8	1870.3	2667.0	3733.0	4533.5	4612.1	5053.4	5670.6	4578.4	3299.1
67.5°	1088.5	1118.4	1316.7	1874.0	2401.4	2450.0	2438.8	2659.5	2719.4	2300.4	2027.4
70°	852.8	867.8	1013.7	1425.1	1788.0	1600.9	1567.3	1593.5	1769.3	1844.1	1754.3
72.5°	617.2	632.1	755.6	961.3	1118.4	1092.2	1114.7	1260.6	1477.5	1556.1	1462.5
75°	411.5	422.7	490.0	587.3	662.1	714.4	755.6	923.9	1125.9	1170.8	1125.9
77.5°	284.3	295.5	340.4	415.2	422.7	456.3	471.3	549.9	673.3	729.4	699.5
80°	160.8	160.8	183.3	213.2	261.8	306.7	314.2	377.8	433.9	471.3	478.8
82.5°	74.8	78.6	97.3	130.9	172.1	213.2	220.7	261.8	303.0	340.4	351.6
85°	37.4	41.1	56.1	78.6	104.7	127.2	123.4	127.2	134.7	127.2	130.9
87.5°	11.2	11.2	15.0	18.7	15.0	18.7	18.7	22.4	26.2	29.9	33.7
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°	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3	5891.3
2.5°	5925.0	5936.2	5861.4	5932.5	5906.3	5902.5	5954.9	5947.4	5966.1	5958.6	5913.7
5°	5928.7	5902.5	5981.1	5910.0	5943.7	6014.7	5966.1	6078.3	6022.2	6059.6	5977.3
7.5°	6044.7	6052.1	6037.2	6067.1	6052.1	6085.8	6059.6	6085.8	6040.9	6044.7	6119.5
10°	6145.7	6123.2	6149.4	6112.0	6138.2	6127.0	6067.1	6048.4	6063.4	6044.7	6093.3
12.5°	6332.7	6291.5	6272.8	6228.0	6198.0	6085.8	5992.3	5939.9	6011.0	6022.2	5999.8
15°	6523.5	6527.2	6441.2	6340.2	6153.1	5984.8	6007.3	6026.0	6026.0	6055.9	5999.8
17.5°	6643.1	6643.1	6564.6	6362.6	6171.8	6074.6	6052.1	5992.3	5939.9	5932.5	5928.7
20°	6852.6	6789.0	6609.5	6358.9	6164.4	6119.5	5951.2	5809.0	5700.5	5663.1	5659.4
22.5°	7092.0	6931.2	6680.6	6366.3	6153.1	6089.6	5775.3	5562.1	5367.6	5285.3	5296.6
25°	7312.7	7054.6	6721.7	6332.7	6112.0	5805.3	5453.7	5158.2	4956.2	4888.8	4855.2
27.5°	7466.1	7185.5	6721.7	6362.6	5958.6	5487.3	5128.2	4750.4	4574.6	4529.8	4537.2
30°	7671.8	7350.1	6837.7	6299.0	5651.9	5075.9	4645.7	4398.8	4294.1	4256.7	4282.9
32.5°	8154.3	7780.3	6998.5	6145.7	5289.1	4664.4	4316.5	4178.2	4024.8	3950.0	3923.8
35°	8678.0	8188.0	7155.6	5887.6	4881.4	4290.4	4073.4	3946.2	3763.0	3680.7	3695.6
37.5°	9418.6	8711.7	7166.8	5461.1	4440.0	4080.9	3882.7	3684.4	3534.8	3407.6	3370.2
40°	10417.3	9426.1	7140.6	5012.3	4084.6	3834.0	3688.1	3441.3	3272.9	3183.2	3201.9
42.5°	11296.3	10264.0	7032.2	4503.6	3763.0	3665.7	3501.1	3258.0	3093.4	2999.9	2992.4
45°	12037.0	10881.1	6826.4	4069.7	3493.6	3478.7	3287.9	3100.9	2970.0	2883.9	2921.3
47.5°	12721.5	11378.6	6516.0	3635.8	3246.8	3276.7	3093.4	2977.4	2895.2	2816.6	2812.9
50°	12968.4	11371.2	6242.9	3276.7	3048.5	3033.6	3026.1	2902.6	2816.6	2749.3	2779.2
52.5°	13379.8	11498.3	5947.4	3029.8	2869.0	2872.7	2898.9	2809.1	2711.9	2670.7	2708.1
55°	13970.8	11517.0	5296.6	2741.8	2719.4	2745.5	2745.5	2685.7	2603.4	2569.7	2551.0
56°	13488.3	10959.7	4750.4	2667.0	2644.5	2644.5	2715.6	2648.3	2547.3	2521.1	2498.7
57.5°	12440.9	9601.9	3976.2	2577.2	2543.5	2595.9	2633.3	2562.3	2468.7	2431.3	2453.8
60°	8580.7	6497.3	2988.7	2382.7	2382.7	2468.7	2498.7	2393.9	2352.8	2349.0	2319.1
62.5°	5008.5	3785.4	2337.8	2206.9	2214.4	2285.5	2307.9	2248.0	2195.7	2259.3	2289.2
65°	2655.8	2259.3	2004.9	2019.9	2023.6	2079.7	2177.0	2173.2	2169.5	2188.2	2191.9
67.5°	1922.6	1877.7	1821.6	1806.7	1814.1	1855.3	1952.5	2027.4	2023.6	1978.7	1945.1
70°	1713.2	1649.6	1615.9	1619.6	1589.7	1638.3	1716.9	1765.5	1679.5	1627.1	1604.7
72.5°	1425.1	1406.4	1384.0	1387.7	1327.9	1316.7	1226.9	1226.9	1204.4	1189.5	1215.7
75°	1088.5	1081.0	1092.2	1073.5	1009.9	942.6	890.2	841.6	766.8	736.9	721.9
77.5°	688.3	710.7	736.9	695.7	669.6	620.9	568.6	519.9	460.1	426.4	426.4
80°	467.6	486.3	505.0	497.5	467.6	422.7	381.5	329.2	288.0	261.8	258.1
82.5°	355.3	370.3	396.5	366.6	336.6	299.2	265.6	228.2	190.8	160.8	160.8
85°	127.2	145.9	160.8	175.8	187.0	190.8	164.6	134.7	108.5	86.0	82.3
87.5°	33.7	37.4	41.1	37.4	37.4	37.4	41.1	37.4	33.7	26.2	26.2
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)