

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: McGRAW-EDISON

Report Number: P531210

Luminaire Tested: **GALN-SA6C-727-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-727-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30436 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

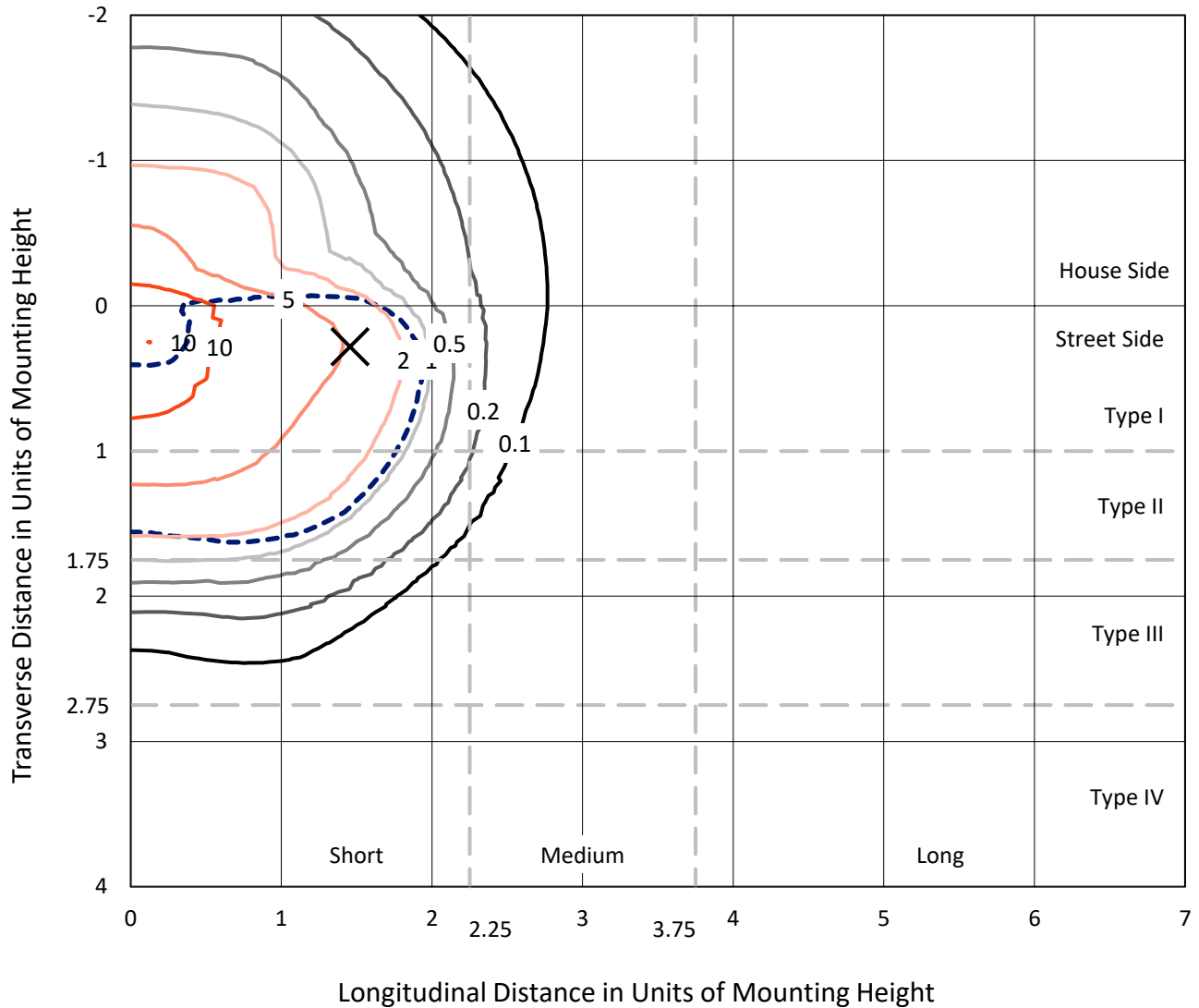
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P531210  
 CATALOG NUMBER: GALN-SA6C-727-U-T3R-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

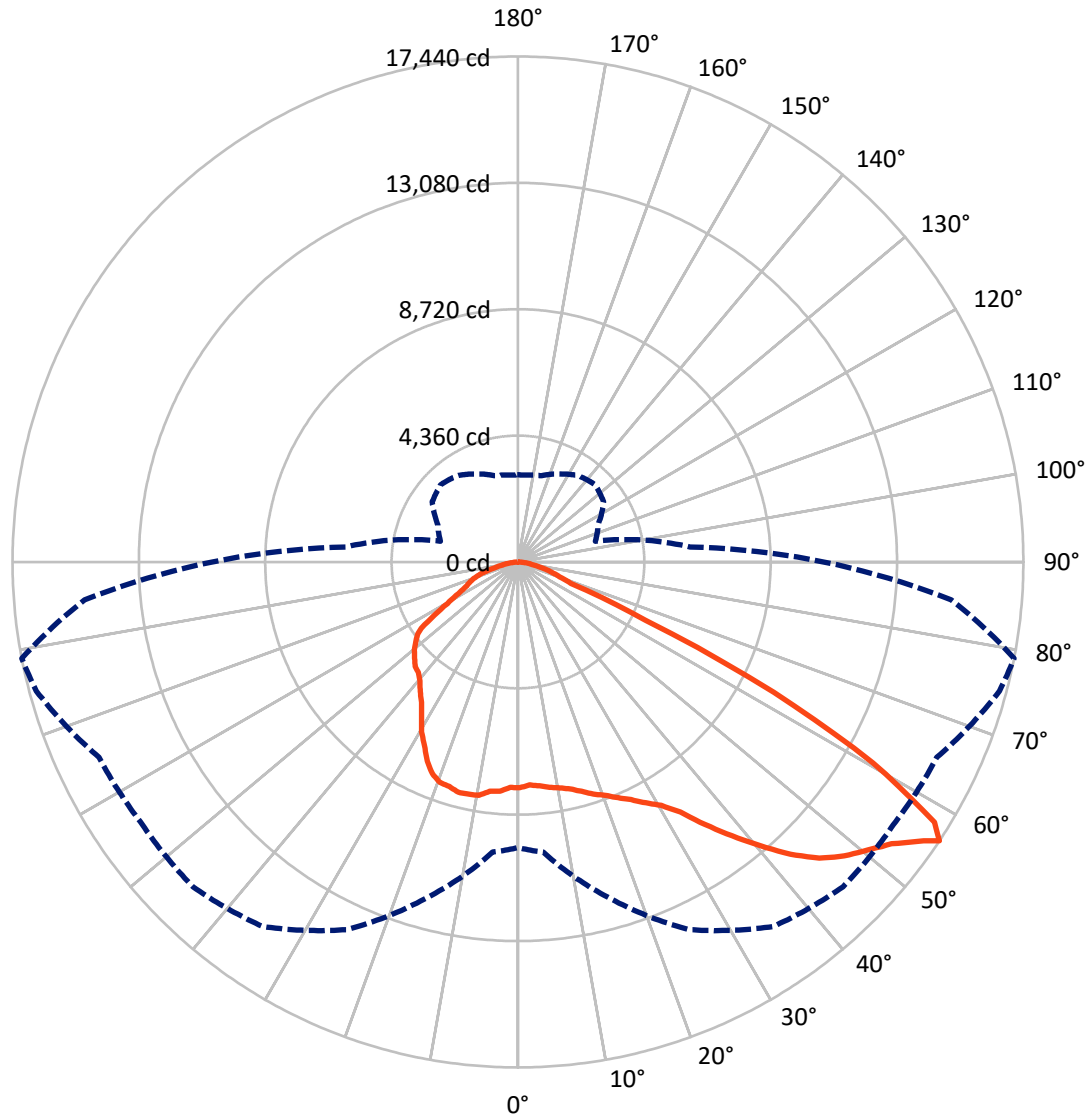
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P531210  
CATALOG NUMBER: GALN-SA6C-727-U-T3R-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P531210  
 CATALOG NUMBER: GALN-SA6C-727-U-T3R-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8988.4	0.0	8988.4
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	21447.6	0.0	21447.6
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	30436.0	0.0	30436.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	708.0	2.3
10°-20°	1937.7	6.4
20°-30°	3315.0	10.9
30°-40°	5080.6	16.7
40°-50°	6866.4	22.6
50°-60°	7886.3	25.9
60°-70°	3594.8	11.8
70°-80°	886.3	2.9
80°-90°	161.1	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°	30436.0	100.0
0°-180°	30436.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531210

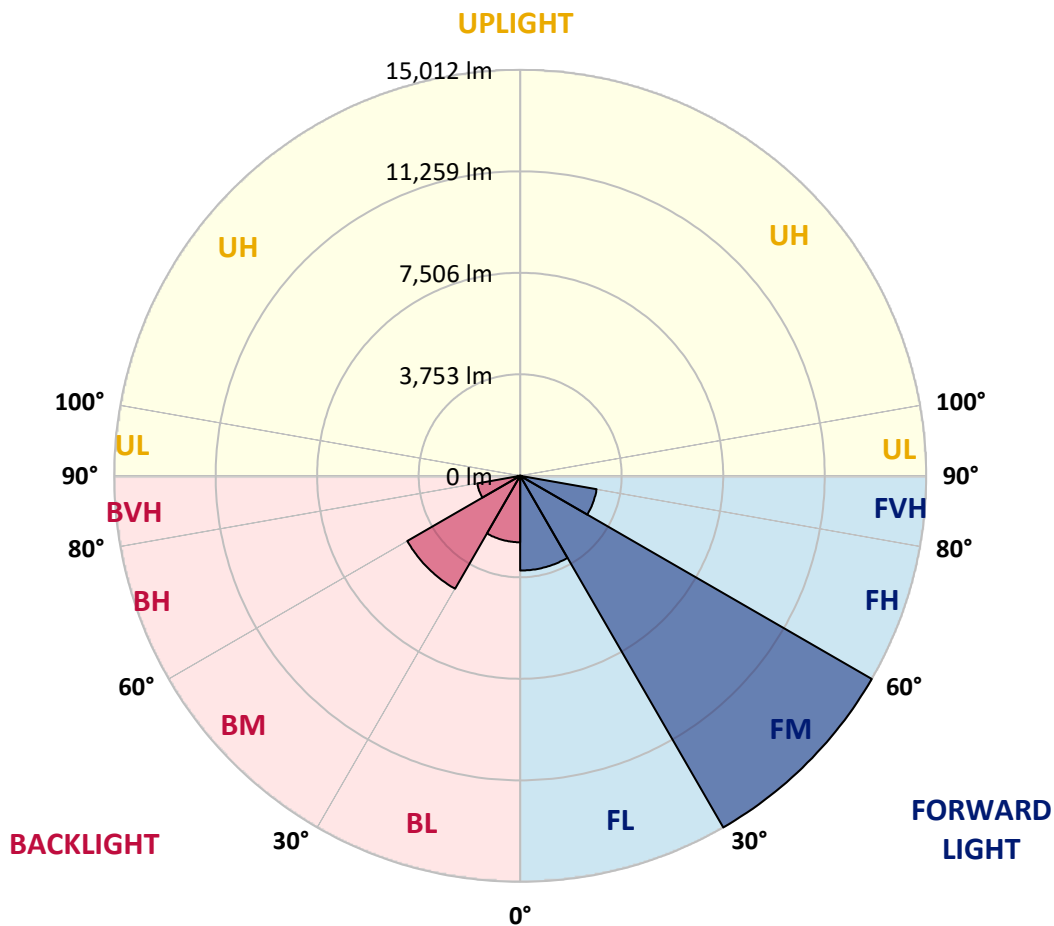
CATALOG NUMBER: GALN-SA6C-727-U-T3R-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3501.9	11.5			
FM (30°-60°)	15011.9	49.3			
FH (60°-80°)	2869.4	9.4			G2/5000
FVH (80°-90°)	64.3	0.2			G1/100
BL (0°-30°)	2458.7	8.1	B3/2500		
BM (30°-60°)	4821.3	15.8	B3/5000		
BH (60°-80°)	1611.7	5.3	B3/2500		G3/2500
BVH (80°-90°)	96.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





REPORT NUMBER: P531210

CATALOG NUMBER: GALN-SA6C-727-U-T3R-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4
2.5°	7408.2	7389.3	7434.8	7468.9	7510.6	7563.7	7590.2	7605.4	7738.1	7704.0	7806.3
5°	7249.0	7199.7	7233.8	7260.4	7332.4	7396.9	7468.9	7582.6	7704.0	7757.0	7882.2
7.5°	7108.7	7082.2	7074.6	7093.6	7192.1	7275.5	7400.7	7567.5	7764.6	7851.8	7923.9
10°	6877.5	6839.5	6896.4	7021.5	7048.1	7222.5	7366.5	7605.4	7776.0	7927.6	8140.0
12.5°	6775.1	6737.2	6748.5	6820.6	7006.4	7173.2	7343.8	7613.0	7973.1	8033.8	8318.2
15°	6938.1	6900.2	6911.6	6892.6	7070.8	7158.0	7427.2	7764.6	8109.6	8212.0	8515.3
17.5°	7309.7	7313.5	7264.2	7222.5	7180.8	7366.5	7552.3	7855.6	8162.7	8420.5	8648.0
20°	8018.6	7893.5	7794.9	7559.9	7495.4	7575.1	7810.1	8102.0	8378.8	8591.1	8848.9
22.5°	8564.6	8576.0	8435.7	8049.0	7908.7	7942.8	8143.8	8382.6	8685.9	8837.6	9133.3
25°	9357.0	9277.4	9125.7	8818.6	8503.9	8530.5	8678.3	8894.4	8977.8	9084.0	9406.3
27.5°	10081.1	10103.9	9804.3	9516.2	9125.7	9049.9	9315.3	9353.2	9212.9	9413.8	9523.8
30°	10816.6	10797.7	10600.5	10263.1	9880.2	9895.3	10012.9	9827.1	9633.7	9743.7	9819.5
32.5°	11578.7	11362.6	11355.0	11051.7	10759.8	10619.5	10475.4	10566.4	10266.9	10289.6	10217.6
35°	12189.1	12219.4	12045.0	11828.9	11684.8	11438.4	11044.1	11207.1	11150.3	11123.7	10812.8
37.5°	12632.7	12515.1	12602.3	12530.3	12393.8	12086.7	11677.3	11832.7	11859.2	11988.1	11628.0
40°	12996.6	12947.4	13178.6	13216.5	13121.8	12458.3	11722.8	12185.3	12583.4	12863.9	12435.5
42.5°	13171.0	13277.2	13519.8	13811.8	13599.5	12890.5	11957.8	12454.5	13341.6	13785.2	13201.4
45°	13406.1	13269.6	13629.8	14164.4	14168.2	13254.4	12185.3	12818.4	13933.1	14577.6	13724.6
47.5°	13167.2	13235.5	13607.0	14285.7	14460.1	13637.4	12799.5	13334.1	14585.2	15157.7	14209.9
50°	12632.7	12769.2	13447.8	14153.0	14680.0	14043.0	13504.7	13891.4	15188.0	15624.0	14289.5
52.5°	12075.3	12151.2	13212.7	14255.4	14778.6	14566.2	14448.7	14661.0	15923.5	16151.0	14388.1
55°	10558.8	10919.0	12435.5	14209.9	15260.1	15510.3	15419.3	15730.2	16757.6	16985.1	14926.4
56°	9857.4	10047.0	11969.2	13997.5	15354.8	15855.3	15809.8	15950.1	17201.2	17440.1	15009.8
57.5°	8560.8	8576.0	10206.2	13057.3	14998.5	15957.7	15912.2	16022.1	17114.0	16951.0	14278.1
60°	5357.1	5592.2	6945.7	10043.2	12754.0	14805.1	15062.9	14179.5	14429.8	14084.7	11108.6
62.5°	2775.2	2741.1	3639.7	5872.8	8466.0	10600.5	10839.4	10797.7	10411.0	9906.7	7256.6
65°	1383.8	1391.4	1903.2	2907.9	4337.3	5550.5	6217.8	6289.8	5262.3	4841.5	3442.5
67.5°	1004.7	1042.6	1368.7	1778.1	2043.5	2286.2	2801.8	2748.7	2081.4	1979.1	1835.0
70°	781.0	815.1	1110.9	1357.3	1232.2	1232.2	1342.1	1387.6	1482.4	1524.1	1573.4
72.5°	568.7	595.2	849.3	936.5	807.6	868.2	1004.7	1110.9	1209.4	1224.6	1281.5
75°	390.5	413.3	557.3	515.6	485.3	599.0	735.5	834.1	906.1	944.0	978.2
77.5°	254.0	261.6	318.5	269.2	310.9	386.7	477.7	561.1	633.2	663.5	671.1
80°	113.7	125.1	136.5	170.6	216.1	276.8	341.2	409.5	455.0	466.3	489.1
82.5°	64.5	64.5	83.4	121.3	159.2	200.9	246.4	295.7	348.8	360.2	356.4
85°	34.1	34.1	49.3	72.0	98.6	117.5	113.7	117.5	125.1	144.1	140.3
87.5°	11.4	11.4	15.2	15.2	19.0	22.7	19.0	26.5	34.1	34.1	34.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P531210

CATALOG NUMBER: GALN-SA6C-727-U-T3R-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4	7787.4
2.5°	7776.0	7810.1	7764.6	7863.2	7863.2	7844.2	7749.5	7779.8	7802.5	7802.5	7821.5
5°	7923.9	7912.5	7942.8	7825.3	7753.2	7726.7	7571.3	7495.4	7431.0	7427.2	7370.3
7.5°	8007.3	7976.9	7965.6	7878.4	7559.9	7366.5	7032.9	6839.5	6797.8	6650.0	6706.8
10°	8140.0	8196.8	8140.0	7666.0	7222.5	6778.9	6452.8	6153.3	6035.8	5941.0	5884.1
12.5°	8412.9	8386.4	8056.6	7415.8	6794.0	6267.0	5781.8	5467.1	5349.5	5266.1	5258.6
15°	8644.2	8511.5	8007.3	7021.5	6126.8	5565.7	5167.6	4943.9	4890.8	4898.4	4932.5
17.5°	8723.8	8632.8	7749.5	6612.1	5630.1	4970.4	4784.6	4750.5	4799.8	4856.7	4871.8
20°	8848.9	8704.9	7643.3	6054.7	5015.9	4598.9	4587.5	4708.8	4799.8	4883.2	4894.6
22.5°	9110.5	8746.6	7298.3	5527.7	4595.1	4488.9	4598.9	4701.2	4841.5	4909.8	4849.1
25°	9186.4	8655.6	6813.0	4894.6	4329.7	4420.7	4538.2	4678.5	4777.1	4815.0	4841.5
27.5°	9250.8	8515.3	6157.1	4473.8	4246.3	4416.9	4538.2	4655.7	4708.8	4742.9	4773.3
30°	9432.8	8473.6	5588.4	4193.2	4193.2	4341.1	4496.5	4526.8	4598.9	4640.6	4693.7
32.5°	9523.8	8185.5	5004.5	4015.0	4140.1	4379.0	4390.3	4447.2	4451.0	4485.1	4428.3
35°	9762.6	7980.7	4462.4	3886.1	4162.9	4341.1	4397.9	4363.8	4178.0	4087.0	4106.0
37.5°	9937.0	7878.4	4071.9	3870.9	4166.7	4382.8	4413.1	4155.3	3961.9	3810.3	3848.2
40°	10407.2	7624.3	3776.2	3844.4	4200.8	4428.3	4344.9	4064.3	3715.5	3560.0	3533.5
42.5°	10767.3	7442.4	3590.4	3814.1	4227.3	4492.7	4310.7	3882.3	3525.9	3381.9	3419.8
45°	11184.4	7400.7	3491.8	3821.6	4272.8	4526.8	4269.0	3742.0	3362.9	3306.0	3294.7
47.5°	11332.2	7101.1	3385.6	3757.2	4261.4	4515.5	4128.7	3635.9	3302.2	3309.8	3340.2
50°	11085.8	6794.0	3306.0	3624.5	4185.6	4413.1	3908.8	3495.6	3268.1	3362.9	3416.0
52.5°	10771.1	6479.4	3143.0	3446.3	4030.2	4253.9	3806.5	3488.0	3234.0	3203.7	3215.0
55°	10865.9	6221.6	2915.5	3203.7	3779.9	3958.1	3692.7	3416.0	3150.6	3036.8	3074.8
56°	10558.8	5956.2	2767.7	3052.0	3609.3	3768.6	3635.9	3351.5	3082.3	3006.5	3006.5
57.5°	9690.6	5065.2	2574.3	2809.4	3249.2	3438.7	3525.9	3313.6	3006.5	2873.8	2877.6
60°	7146.6	3601.8	2308.9	2475.7	2691.8	2843.5	3249.2	3207.5	2816.9	2726.0	2691.8
62.5°	4405.5	2631.2	2119.3	2183.8	2293.7	2418.9	2835.9	2904.1	2616.0	2517.4	2494.7
65°	2468.1	2013.2	1975.3	2001.8	2054.9	2119.3	2354.4	2506.1	2308.9	2157.3	2149.7
67.5°	1804.7	1800.9	1831.2	1854.0	1876.7	1876.7	1933.6	1994.2	1967.7	1846.4	1835.0
70°	1603.7	1615.1	1637.8	1641.6	1649.2	1622.7	1577.2	1558.2	1588.6	1512.7	1497.6
72.5°	1323.2	1361.1	1387.6	1391.4	1349.7	1315.6	1254.9	1190.5	1167.7	1152.6	1148.8
75°	1016.1	1042.6	1054.0	1050.2	1035.0	985.7	913.7	849.3	807.6	762.1	784.8
77.5°	686.2	724.1	743.1	743.1	720.4	644.5	610.4	561.1	519.4	470.1	477.7
80°	481.5	508.0	538.4	534.6	496.7	458.7	409.5	364.0	329.8	291.9	288.1
82.5°	360.2	375.3	390.5	382.9	356.4	318.5	284.3	242.6	204.7	178.2	178.2
85°	128.9	140.3	170.6	178.2	193.4	193.4	163.0	136.5	109.9	91.0	91.0
87.5°	37.9	37.9	41.7	41.7	37.9	41.7	34.1	37.9	41.7	26.5	26.5
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)