

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: P530740

Luminaire Tested: **GALN-SA6A-727-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530740
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: McGRAW-EDISON
Catalog Number: GALN-SA6A-727-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 19336 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

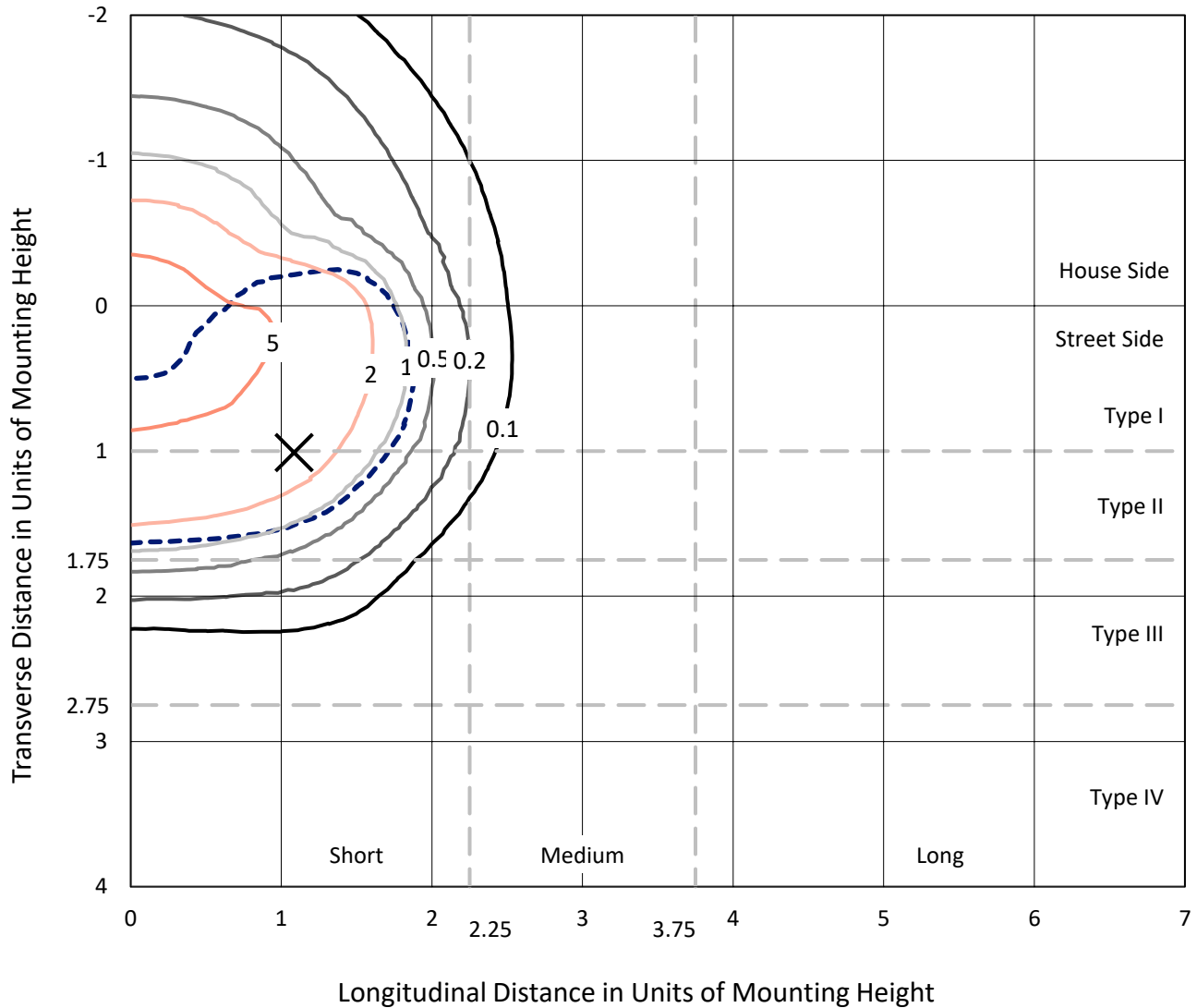
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530740
 CATALOG NUMBER: GALN-SA6A-727-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

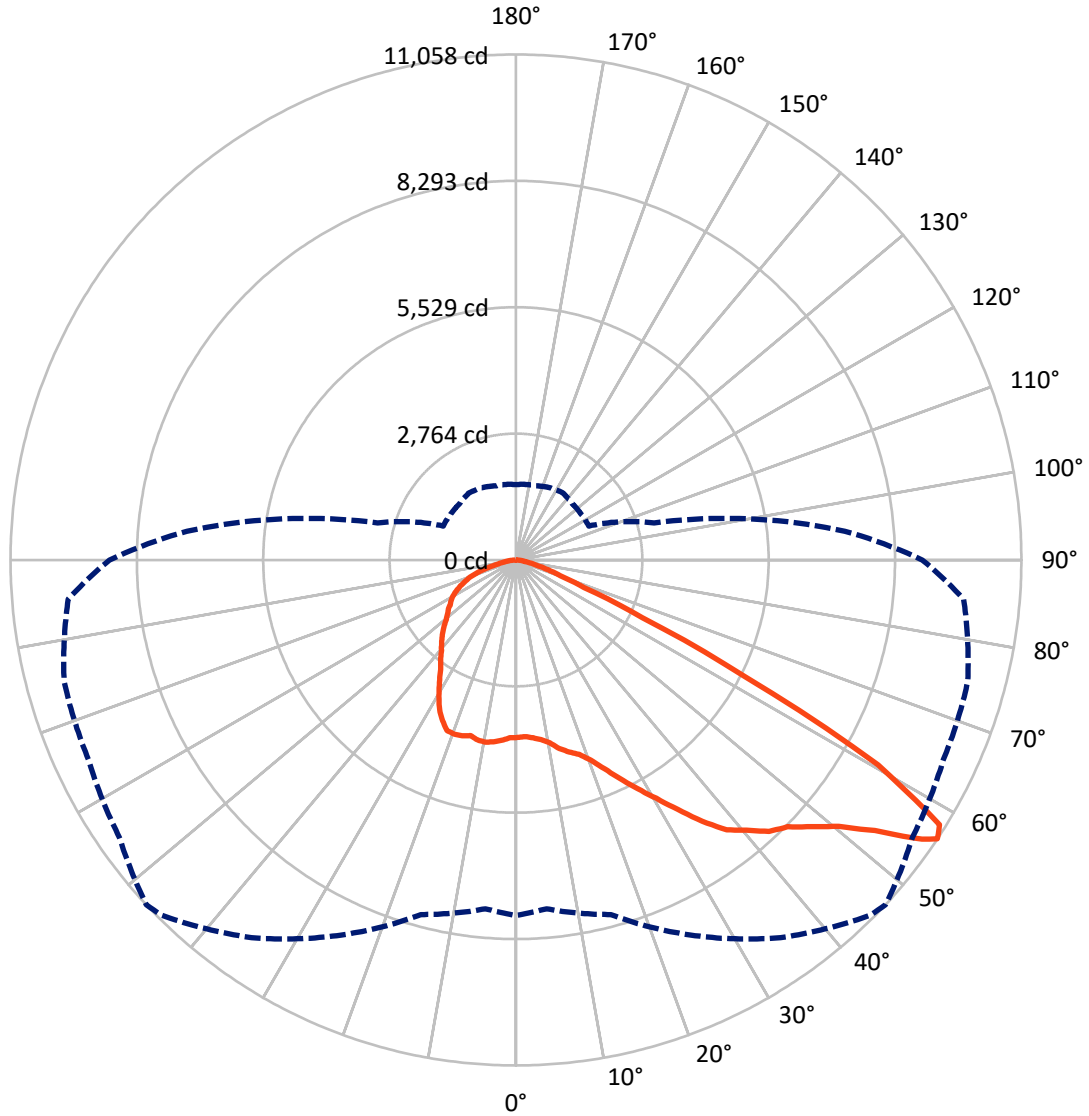
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

REPORT NUMBER: P530740
CATALOG NUMBER: GALN-SA6A-727-U-T3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P530740
 CATALOG NUMBER: GALN-SA6A-727-U-T3-GRSWH

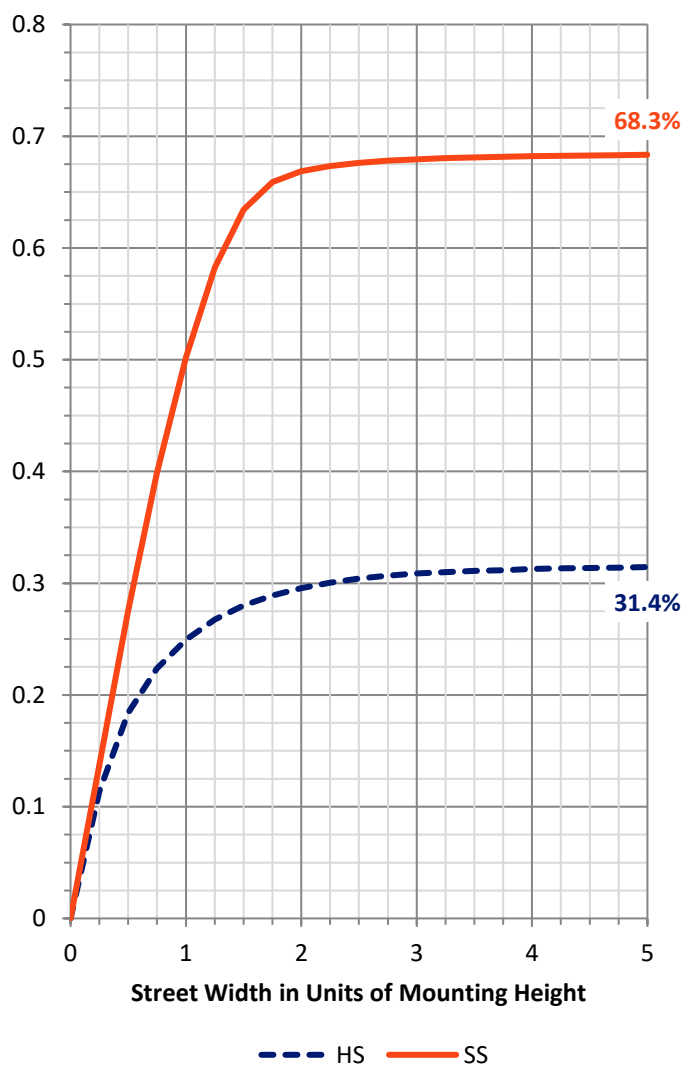
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6127.4	0.0	6127.4
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	13208.6	0.0	13208.6
	% Fixture	68.3	0.0	68.3
Total	Lumens	19336.0	0.0	19336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.4	2.0
10°-20°	1193.8	6.2
20°-30°	2110.4	10.9
30°-40°	3169.7	16.4
40°-50°	4350.1	22.5
50°-60°	5182.5	26.8
60°-70°	2217.8	11.5
70°-80°	627.6	3.2
80°-90°	105.6	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°	19336.0	100.0
0°-180°	19336.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530740

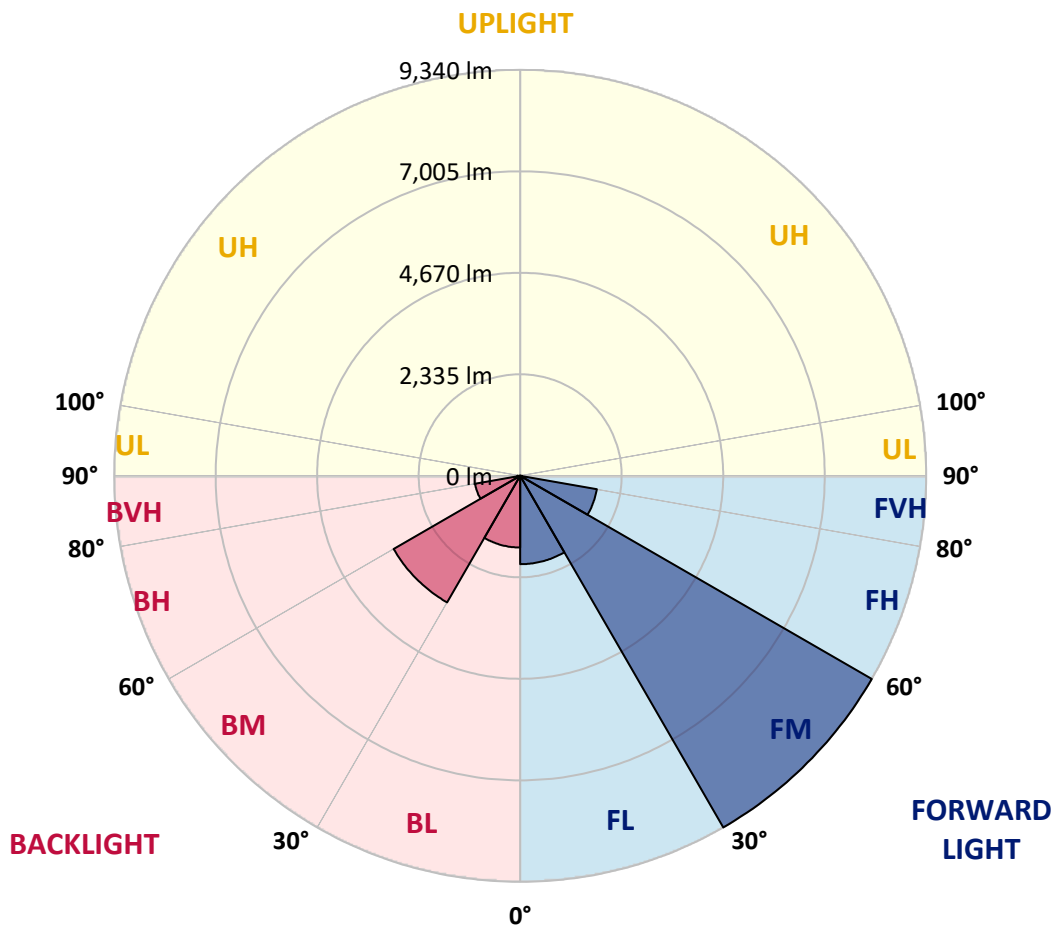
CATALOG NUMBER: GALN-SA6A-727-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2032.9	10.5			
FM (30°-60°)	9339.7	48.3			
FH (60°-80°)	1791.2	9.3			G1/1800
FVH (80°-90°)	44.8	0.2			G1/100
BL (0°-30°)	1649.7	8.5	B3/2500		
BM (30°-60°)	3362.6	17.4	B3/5000		
BH (60°-80°)	1054.2	5.5	B3/2500		G3/2500
BVH (80°-90°)	60.8	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: P530740

CATALOG NUMBER: GALN-SA6A-727-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0
2.5°	3869.2	3861.8	3856.9	3896.3	3881.5	3884.0	3869.2	3884.0	3893.9	3871.7	3903.7
5°	3861.8	3884.0	3864.3	3876.6	3908.7	3898.8	3908.7	3938.3	3930.9	3923.5	3913.6
7.5°	3930.9	3933.3	3948.1	3953.1	3962.9	3953.1	3967.9	3995.0	3987.6	3945.7	3950.6
10°	4029.5	4034.4	4036.9	4064.0	4081.3	4083.8	4066.5	4041.8	4039.4	4096.1	4056.6
12.5°	4142.9	4130.6	4160.2	4170.1	4189.8	4212.0	4234.2	4182.4	4214.5	4216.9	4170.1
15°	4308.2	4320.5	4286.0	4286.0	4293.4	4295.8	4357.5	4332.8	4327.9	4300.8	4320.5
17.5°	4554.8	4470.9	4468.5	4433.9	4429.0	4448.7	4470.9	4490.7	4557.2	4503.0	4397.0
20°	4734.8	4754.5	4683.0	4641.1	4648.5	4692.9	4670.7	4759.5	4806.3	4717.5	4614.0
22.5°	5052.9	4986.3	5003.6	4909.9	4917.3	4964.1	4961.7	5052.9	5080.0	4939.5	4789.1
25°	5267.5	5250.2	5265.0	5191.0	5200.9	5237.9	5297.1	5447.5	5403.1	5247.7	4900.0
27.5°	5580.7	5546.1	5533.8	5506.7	5496.8	5595.4	5664.5	5824.8	5792.7	5565.9	5097.3
30°	5901.2	5879.0	5891.4	5780.4	5819.9	6029.5	6049.2	6268.7	6253.9	5854.4	5316.8
32.5°	6123.2	6135.5	6157.7	6096.1	6271.1	6438.8	6505.4	6754.5	6766.8	6350.1	5740.9
35°	6480.8	6438.8	6451.2	6522.7	6604.1	6909.8	7018.4	7183.6	7287.2	6870.4	6147.8
37.5°	6705.2	6749.6	6697.8	6811.2	7023.3	7390.7	7489.4	7659.5	7768.0	7383.3	6702.7
40°	7055.3	6983.8	7020.8	7102.2	7319.2	7797.6	7770.5	7945.6	7980.1	7819.8	7220.6
42.5°	7432.6	7398.1	7346.3	7531.3	7713.8	8061.5	8115.7	8034.4	8209.5	8246.4	7960.4
45°	7883.9	7925.9	7933.3	7938.2	8098.5	8401.8	8327.8	8256.3	8458.5	8727.3	8419.1
47.5°	8303.2	8170.0	8266.2	8399.3	8626.2	8628.7	8715.0	8544.8	8759.4	8998.6	8833.4
50°	8443.7	8379.6	8507.8	8759.4	9109.6	9146.5	9156.4	8914.7	9025.7	9215.6	8976.4
52.5°	8389.5	8367.3	8695.3	9084.9	9597.8	9785.3	9834.6	9536.2	9597.8	9511.5	9292.0
55°	8130.5	8197.1	8527.6	9321.6	10108.3	10687.8	10781.5	10404.2	10012.1	10078.7	9837.0
56°	7775.4	7659.5	8029.4	9052.8	10086.1	10981.3	11057.7	10586.7	10320.4	10234.1	9832.1
57.5°	6596.7	6446.2	6932.0	8145.3	9526.3	10870.3	10927.0	10663.2	10268.6	10093.5	9114.5
60°	3861.8	3935.8	4552.3	5617.6	7348.8	8912.3	9102.2	9294.5	9030.6	8246.4	6784.1
62.5°	1864.3	1817.5	2258.9	3220.6	4478.3	5689.2	5632.4	6172.5	6468.4	5859.3	4283.5
65°	976.6	971.6	1233.0	1758.3	2461.1	2988.8	3040.6	3331.6	3738.5	3018.4	2175.0
67.5°	717.6	737.3	868.0	1235.5	1583.2	1615.3	1607.9	1753.4	1792.8	1516.6	1336.6
70°	562.3	572.1	668.3	939.6	1178.8	1055.5	1033.3	1050.5	1166.4	1215.8	1156.6
72.5°	406.9	416.8	498.1	633.8	737.3	720.1	734.9	831.1	974.1	1025.9	964.2
75°	271.3	278.7	323.1	387.2	436.5	471.0	498.1	609.1	742.3	771.9	742.3
77.5°	187.4	194.8	224.4	273.7	278.7	300.9	310.7	362.5	443.9	480.9	461.1
80°	106.0	106.0	120.8	140.6	172.6	202.2	207.1	249.1	286.1	310.7	315.7
82.5°	49.3	51.8	64.1	86.3	113.4	140.6	145.5	172.6	199.7	224.4	231.8
85°	24.7	27.1	37.0	51.8	69.0	83.8	81.4	83.8	88.8	83.8	86.3
87.5°	7.4	7.4	9.9	12.3	9.9	12.3	12.3	14.8	17.3	19.7	22.2
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: P530740

CATALOG NUMBER: GALN-SA6A-727-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0	3884.0
2.5°	3906.2	3913.6	3864.3	3911.1	3893.9	3891.4	3925.9	3921.0	3933.3	3928.4	3898.8
5°	3908.7	3891.4	3943.2	3896.3	3918.5	3965.4	3933.3	4007.3	3970.3	3995.0	3940.7
7.5°	3985.1	3990.1	3980.2	3999.9	3990.1	4012.2	3995.0	4012.2	3982.7	3985.1	4034.4
10°	4051.7	4036.9	4054.2	4029.5	4046.8	4039.4	3999.9	3987.6	3997.5	3985.1	4017.2
12.5°	4175.0	4147.9	4135.6	4106.0	4086.2	4012.2	3950.6	3916.1	3962.9	3970.3	3955.5
15°	4300.8	4303.2	4246.5	4179.9	4056.6	3945.7	3960.5	3972.8	3972.8	3992.5	3955.5
17.5°	4379.7	4379.7	4327.9	4194.7	4069.0	4004.9	3990.1	3950.6	3916.1	3911.1	3908.7
20°	4517.8	4475.9	4357.5	4192.3	4064.0	4034.4	3923.5	3829.8	3758.2	3733.6	3731.1
22.5°	4675.6	4569.6	4404.3	4197.2	4056.6	4014.7	3807.6	3667.0	3538.8	3484.5	3491.9
25°	4821.1	4651.0	4431.5	4175.0	4029.5	3827.3	3595.5	3400.7	3267.5	3223.1	3200.9
27.5°	4922.2	4737.3	4431.5	4194.7	3928.4	3617.7	3380.9	3131.9	3016.0	2986.4	2991.3
30°	5057.9	4845.8	4507.9	4152.8	3726.2	3346.4	3062.8	2900.1	2831.0	2806.4	2823.6
32.5°	5376.0	5129.4	4614.0	4051.7	3487.0	3075.2	2845.8	2754.6	2653.5	2604.1	2586.9
35°	5721.2	5398.2	4717.5	3881.5	3218.2	2828.5	2685.5	2601.7	2480.8	2426.6	2436.4
37.5°	6209.5	5743.4	4724.9	3600.4	2927.2	2690.5	2559.8	2429.1	2330.4	2246.6	2221.9
40°	6867.9	6214.4	4707.7	3304.5	2692.9	2527.7	2431.5	2268.8	2157.8	2098.6	2110.9
42.5°	7447.4	6766.8	4636.2	2969.1	2480.8	2416.7	2308.2	2147.9	2039.4	1977.8	1972.8
45°	7935.7	7173.7	4500.5	2683.1	2303.3	2293.4	2167.7	2044.3	1958.0	1901.3	1926.0
47.5°	8387.0	7501.7	4295.8	2397.0	2140.5	2160.3	2039.4	1963.0	1908.7	1856.9	1854.5
50°	8549.8	7496.8	4115.8	2160.3	2009.8	2000.0	1995.0	1913.6	1856.9	1812.5	1832.3
52.5°	8821.0	7580.6	3921.0	1997.5	1891.5	1893.9	1911.2	1852.0	1787.9	1760.8	1785.4
55°	9210.7	7592.9	3491.9	1807.6	1792.8	1810.1	1810.1	1770.6	1716.4	1694.2	1681.8
56°	8892.5	7225.5	3131.9	1758.3	1743.5	1743.5	1790.3	1746.0	1679.4	1662.1	1647.3
57.5°	8202.1	6330.3	2621.4	1699.1	1676.9	1711.4	1736.1	1689.2	1627.6	1602.9	1617.7
60°	5657.1	4283.5	1970.4	1570.9	1570.9	1627.6	1647.3	1578.3	1551.1	1548.7	1528.9
62.5°	3302.0	2495.6	1541.3	1455.0	1459.9	1506.8	1521.5	1482.1	1447.6	1489.5	1509.2
65°	1750.9	1489.5	1321.8	1331.7	1334.1	1371.1	1435.2	1432.8	1430.3	1442.6	1445.1
67.5°	1267.5	1238.0	1201.0	1191.1	1196.0	1223.2	1287.3	1336.6	1334.1	1304.5	1282.3
70°	1129.4	1087.5	1065.3	1067.8	1048.1	1080.1	1131.9	1164.0	1107.3	1072.7	1057.9
72.5°	939.6	927.2	912.4	914.9	875.4	868.0	808.9	808.9	794.1	784.2	801.5
75°	717.6	712.7	720.1	707.8	665.8	621.4	586.9	554.9	505.5	485.8	475.9
77.5°	453.8	468.5	485.8	458.7	441.4	409.4	374.8	342.8	303.3	281.1	281.1
80°	308.3	320.6	332.9	328.0	308.3	278.7	251.5	217.0	189.9	172.6	170.2
82.5°	234.3	244.1	261.4	241.7	221.9	197.3	175.1	150.4	125.8	106.0	106.0
85°	83.8	96.2	106.0	115.9	123.3	125.8	108.5	88.8	71.5	56.7	54.3
87.5°	22.2	24.7	27.1	24.7	24.7	24.7	27.1	24.7	22.2	17.3	17.3
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)