

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: P530970

Luminaire Tested: **GALN-SA6B-727-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-727-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23670 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

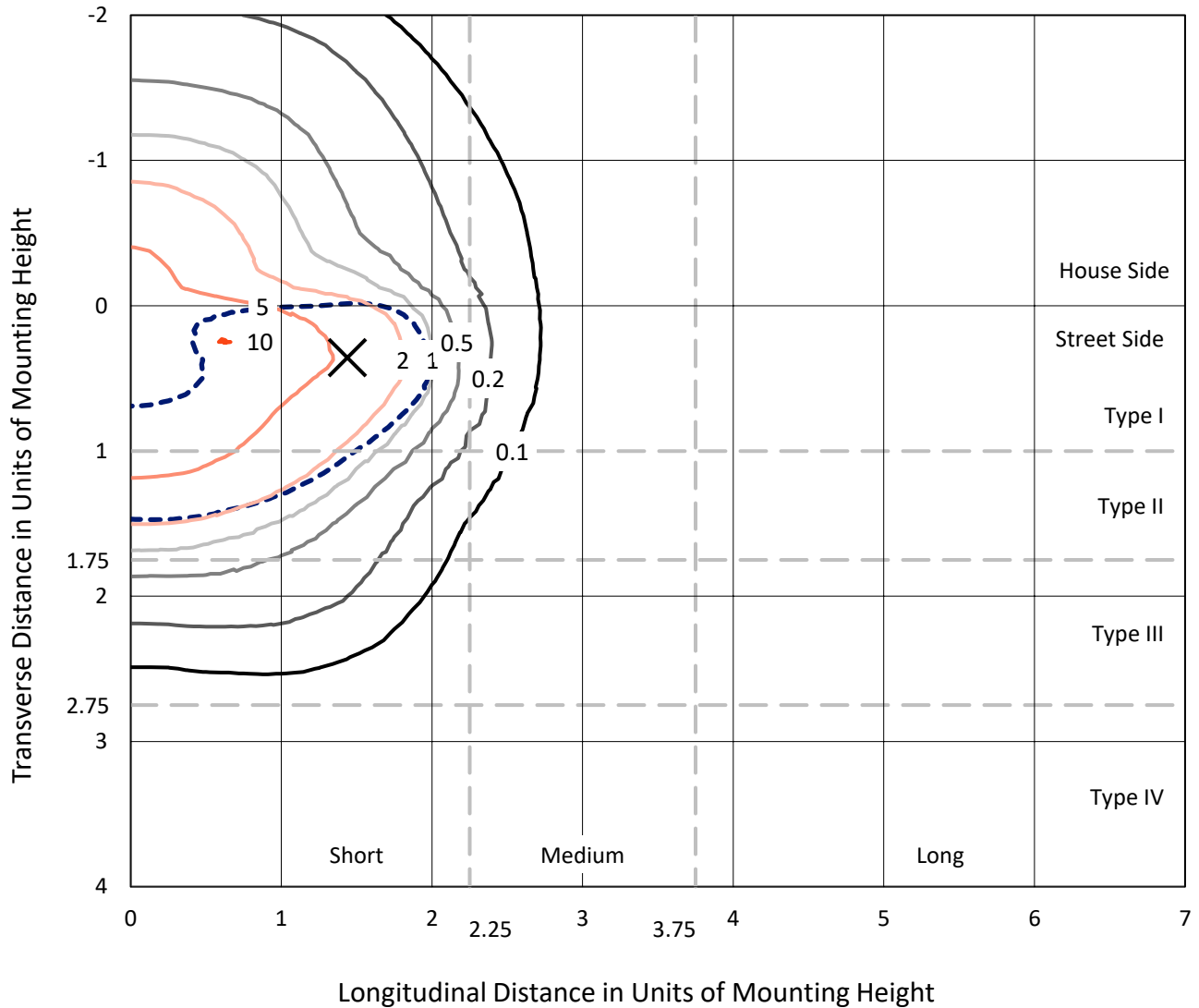
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

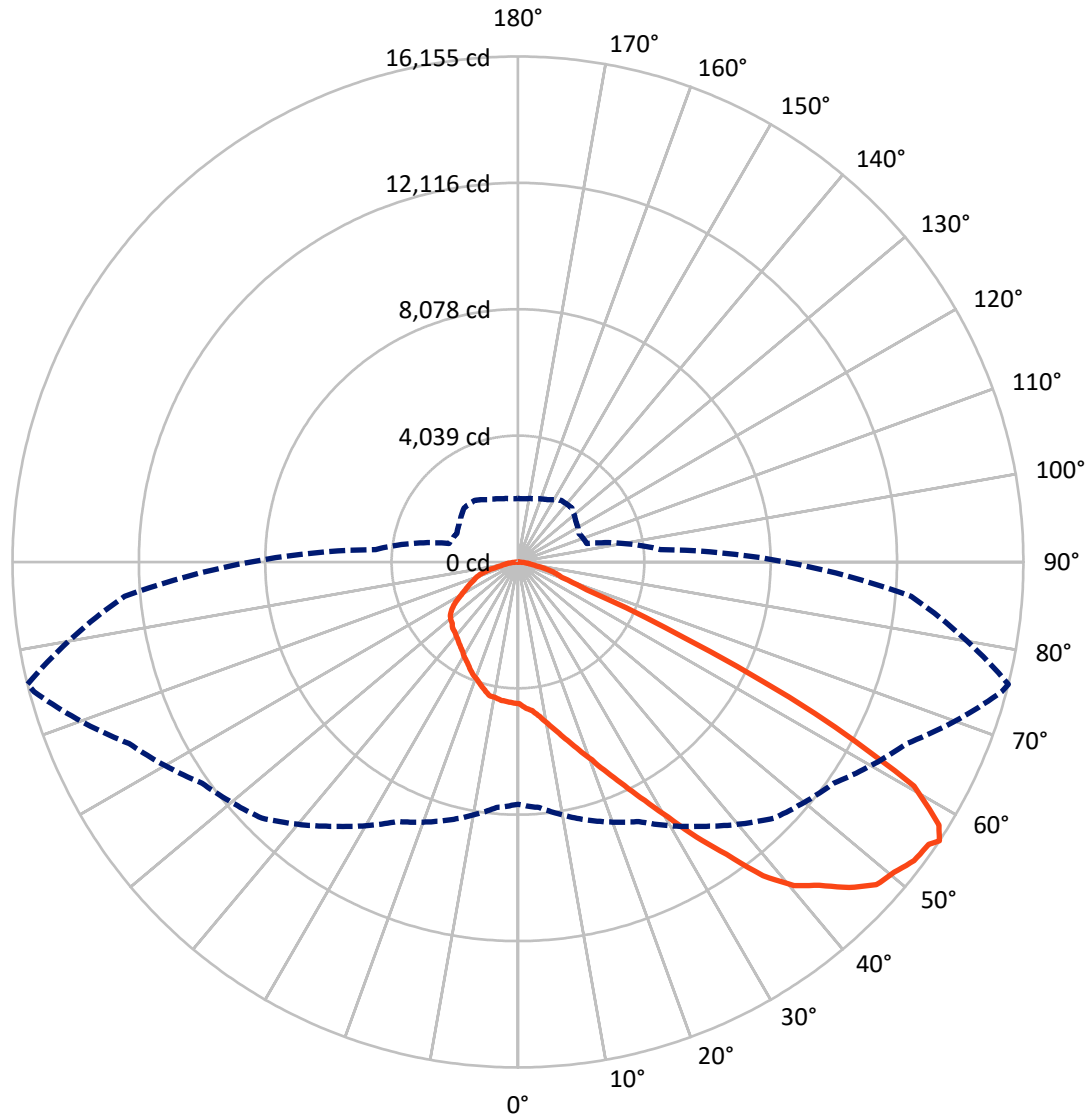
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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CATALOG NUMBER: GALN-SA6B-727-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6364.1	0.0	6364.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17305.8	0.0	17305.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	23670.0	0.0	23670.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.1	1.9
10°-20°	1410.9	6.0
20°-30°	2467.4	10.4
30°-40°	3863.3	16.3
40°-50°	5620.0	23.7
50°-60°	6176.7	26.1
60°-70°	2757.0	11.6
70°-80°	796.3	3.4
80°-90°	129.2	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°	23670.0	100.0
0°-180°	23670.0	100.0

Coefficient of Utilization

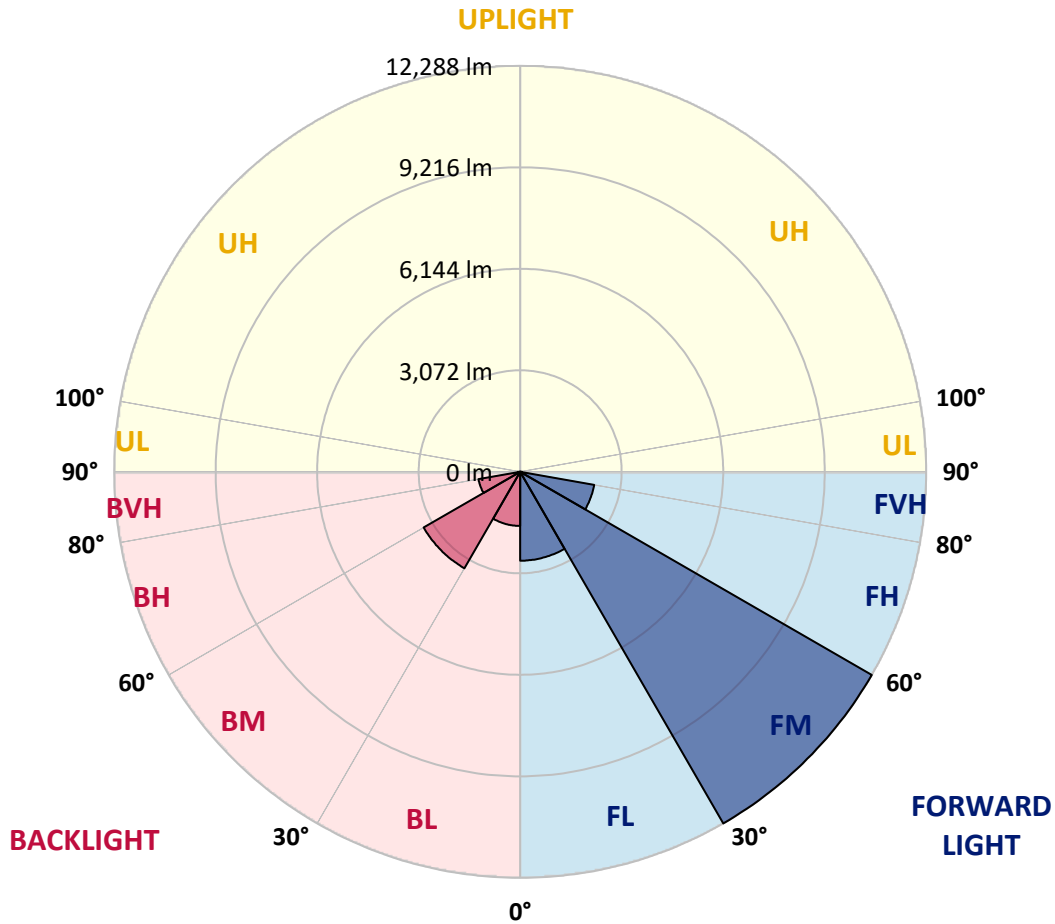


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2689.8	11.4			
FM (30°-60°)	12287.5	51.9			
FH (60°-80°)	2272.9	9.6			G2/5000
FVH (80°-90°)	55.6	0.2			G1/100
BL (0°-30°)	1637.6	6.9	B3/2500		
BM (30°-60°)	3372.5	14.2	B3/5000		
BH (60°-80°)	1280.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	73.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0
2.5°	4989.2	4909.4	4903.3	4881.8	4894.1	4838.9	4780.6	4703.8	4624.1	4673.2	4556.6
5°	5339.0	5231.6	5274.6	5200.9	5210.1	5136.5	5016.8	4927.8	4829.7	4771.4	4688.5
7.5°	5461.7	5470.9	5501.6	5489.4	5428.0	5428.0	5348.2	5191.7	5019.9	4986.1	4848.1
10°	5627.4	5630.5	5596.8	5606.0	5691.9	5652.0	5581.4	5513.9	5293.0	5253.1	5007.6
12.5°	5685.7	5630.5	5685.7	5734.8	5836.1	5891.3	5876.0	5826.9	5590.6	5563.0	5204.0
15°	5694.9	5661.2	5707.2	5817.7	5906.7	6139.9	6256.5	6222.7	5909.7	5912.8	5424.9
17.5°	5652.0	5698.0	5716.4	5811.5	6017.1	6235.0	6572.5	6618.5	6360.8	6320.9	5704.1
20°	5710.3	5676.5	5701.1	5787.0	6060.1	6400.7	6842.5	7146.3	6784.2	6756.6	5992.6
22.5°	5934.3	5888.2	5882.1	5937.3	6133.7	6486.6	7127.9	7674.1	7299.7	7315.1	6351.6
25°	6109.2	6133.7	6112.2	6109.2	6231.9	6615.5	7505.3	8303.1	7999.3	7910.3	6775.0
27.5°	6409.9	6468.2	6425.2	6483.5	6455.9	6808.8	7775.3	8999.6	8754.1	8634.5	7158.6
30°	6827.2	6857.9	6818.0	6818.0	6735.1	7078.8	8020.8	9726.8	9625.6	9462.9	7609.6
32.5°	7376.4	7422.4	7342.7	7296.6	7284.4	7480.7	8462.6	10444.8	10616.6	10478.6	8208.0
35°	8103.6	8076.0	7980.9	7937.9	7772.2	8097.5	9119.3	11270.2	11721.3	11475.8	8932.1
37.5°	8744.9	8702.0	8695.8	8456.5	8496.4	8763.3	9677.7	11896.2	12792.1	12721.6	9696.1
40°	9343.3	9383.2	9447.6	9312.6	9251.2	9545.8	10328.2	12374.8	13623.7	13596.1	10285.3
42.5°	9984.6	9947.7	10061.3	9947.7	9855.7	10273.0	11033.9	12706.2	14354.0	14126.9	10902.0
45°	10914.3	10797.7	10837.6	10846.8	10779.3	10932.7	11325.4	12945.6	14866.4	14841.8	11353.1
47.5°	11690.6	11693.7	11626.1	11574.0	11368.4	11521.8	11650.7	13095.9	15455.5	15415.6	11528.0
50°	11979.0	11939.1	12135.5	12249.0	12261.3	11948.3	11905.4	13178.8	15765.4	15590.5	11702.9
52.5°	10941.9	10978.7	11288.6	11963.7	12353.4	12387.1	12203.0	13350.6	15891.2	15854.4	11844.0
55°	8806.3	8984.3	9493.6	10273.0	11196.6	12212.2	12525.2	13528.6	15958.7	15928.0	12470.0
56°	7741.6	7879.6	8542.4	9153.0	10312.9	11577.1	12322.7	13718.8	16010.9	16155.1	12617.2
57.5°	6231.9	6391.5	6867.1	7560.5	8929.0	10368.1	11764.2	13485.6	15808.4	15863.6	12724.6
60°	3896.9	3912.2	4482.9	4940.1	5903.6	7308.9	8978.1	11733.5	14630.1	14550.3	11429.8
62.5°	2556.0	2559.0	3077.6	3451.9	3890.7	4212.9	5283.8	7781.4	10794.6	10653.5	8137.4
65°	1795.0	1834.9	2236.9	2737.0	2915.0	2746.2	2712.5	4102.4	6029.4	5826.9	4372.5
67.5°	1313.3	1316.3	1672.3	2209.2	2467.0	2089.6	1696.8	2003.7	2387.2	2381.1	2025.1
70°	868.4	905.2	1178.3	1650.8	1945.4	1678.4	1386.9	1432.9	1518.9	1518.9	1506.6
72.5°	506.3	540.0	721.1	1046.3	1092.3	1049.4	1098.5	1227.4	1282.6	1279.5	1264.2
75°	288.4	303.8	343.7	435.7	543.1	641.3	807.0	929.7	985.0	1018.7	978.8
77.5°	168.8	178.0	202.5	248.5	282.3	346.7	438.8	524.7	598.3	589.1	595.3
80°	89.0	89.0	113.5	147.3	196.4	245.5	291.5	340.6	380.5	389.7	398.9
82.5°	52.2	55.2	73.6	107.4	141.1	174.9	224.0	257.7	294.6	297.6	303.8
85°	27.6	30.7	46.0	70.6	95.1	107.4	110.5	104.3	113.5	107.4	122.7
87.5°	9.2	9.2	15.3	12.3	12.3	15.3	18.4	18.4	24.5	24.5	24.5
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°	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0	4529.0
2.5°	4553.5	4553.5	4501.3	4403.1	4387.8	4347.9	4311.1	4308.0	4280.4	4255.9	4243.6
5°	4639.4	4544.3	4467.6	4378.6	4274.3	4225.2	4169.9	4108.6	4084.0	4108.6	4105.5
7.5°	4737.6	4657.8	4427.7	4262.0	4142.3	4093.2	4031.9	3967.4	3973.6	3973.6	3930.6
10°	4832.7	4725.3	4357.1	4145.4	3970.5	3933.7	3899.9	3924.5	3955.2	3961.3	3933.7
12.5°	4992.3	4749.9	4323.4	4028.8	3918.3	3838.6	3860.0	3927.5	3992.0	3973.6	3995.0
15°	5111.9	4771.4	4169.9	3909.1	3771.1	3807.9	3884.6	3930.6	4038.0	4025.7	4047.2
17.5°	5228.5	4783.6	4019.6	3749.6	3691.3	3792.5	3850.8	3982.8	4016.5	4090.2	4117.8
20°	5467.9	4808.2	3866.2	3651.4	3633.0	3749.6	3850.8	3912.2	3985.8	4050.3	4050.3
22.5°	5590.6	4795.9	3764.9	3522.5	3580.8	3654.5	3746.5	3850.8	3850.8	3912.2	3915.3
25°	5744.0	4746.8	3605.4	3461.1	3504.1	3574.7	3679.0	3642.2	3682.1	3682.1	3731.2
27.5°	5918.9	4642.5	3467.3	3350.7	3436.6	3513.3	3528.7	3504.1	3458.1	3451.9	3433.5
30°	6060.1	4513.6	3366.0	3313.9	3384.4	3427.4	3378.3	3326.1	3246.4	3240.2	3197.3
32.5°	6253.4	4354.1	3240.2	3221.8	3301.6	3304.7	3289.3	3209.5	3092.9	3043.8	2994.8
35°	6578.6	4262.0	3145.1	3172.7	3197.3	3188.1	3160.4	3074.5	2957.9	2936.5	2918.0
37.5°	6818.0	4194.5	3046.9	3080.7	3102.1	3114.4	3031.6	2936.5	2939.5	2896.6	2884.3
40°	7088.0	4151.5	2967.1	2982.5	2985.5	3025.4	2924.2	2878.2	2899.6	2872.0	2890.4
42.5°	7434.7	4163.8	2884.3	2872.0	2930.3	2915.0	2865.9	2804.5	2816.8	2733.9	2746.2
45°	7618.8	4246.7	2835.2	2780.0	2844.4	2841.3	2776.9	2718.6	2645.0	2485.4	2491.5
47.5°	7741.6	4268.1	2718.6	2681.8	2749.3	2789.2	2715.5	2580.5	2476.2	2362.7	2335.0
50°	7867.4	4308.0	2663.4	2586.7	2614.3	2709.4	2617.3	2488.5	2387.2	2286.0	2301.3
52.5°	7977.8	4384.7	2556.0	2442.4	2491.5	2595.9	2546.8	2390.3	2279.8	2197.0	2172.4
55°	8468.8	4556.6	2374.9	2227.7	2344.3	2476.2	2448.6	2258.3	2138.7	2095.7	2089.6
56°	8545.5	4562.7	2279.8	2154.0	2261.4	2436.3	2402.6	2200.0	2092.6	2025.1	2028.2
57.5°	8557.8	4489.1	2144.8	2086.5	2178.6	2378.0	2335.0	2154.0	2006.7	1945.4	1927.0
60°	7529.8	3504.1	1976.0	1939.2	2046.6	2200.0	2184.7	2028.2	1862.5	1791.9	1825.7
62.5°	5133.4	2568.2	1844.1	1838.0	1893.2	2043.6	2003.7	1862.5	1724.4	1678.4	1656.9
65°	2988.6	1948.4	1715.2	1690.7	1736.7	1816.5	1844.1	1696.8	1552.6	1521.9	1512.7
67.5°	1764.3	1610.9	1549.5	1509.7	1494.3	1543.4	1564.9	1479.0	1334.8	1291.8	1328.6
70°	1475.9	1432.9	1436.0	1368.5	1331.7	1297.9	1279.5	1202.8	1083.1	1027.9	1012.6
72.5°	1273.4	1255.0	1242.7	1181.3	1147.6	1070.9	991.1	914.4	825.4	779.4	782.4
75°	972.7	966.5	972.7	942.0	883.7	822.3	748.7	650.5	583.0	524.7	537.0
77.5°	579.9	598.3	607.5	595.3	570.7	515.5	469.5	405.0	340.6	294.6	288.4
80°	398.9	414.2	429.6	414.2	389.7	349.8	300.7	251.6	205.6	181.0	174.9
82.5°	303.8	319.1	328.3	313.0	282.3	239.3	205.6	171.8	135.0	110.5	104.3
85°	110.5	125.8	122.7	147.3	159.6	153.4	131.9	101.3	76.7	55.2	52.2
87.5°	30.7	27.6	30.7	30.7	30.7	27.6	24.5	24.5	24.5	15.3	12.3
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)