

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: P531048

Luminaire Tested: **GALN-SA6B-740-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531048
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-740-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 28303 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

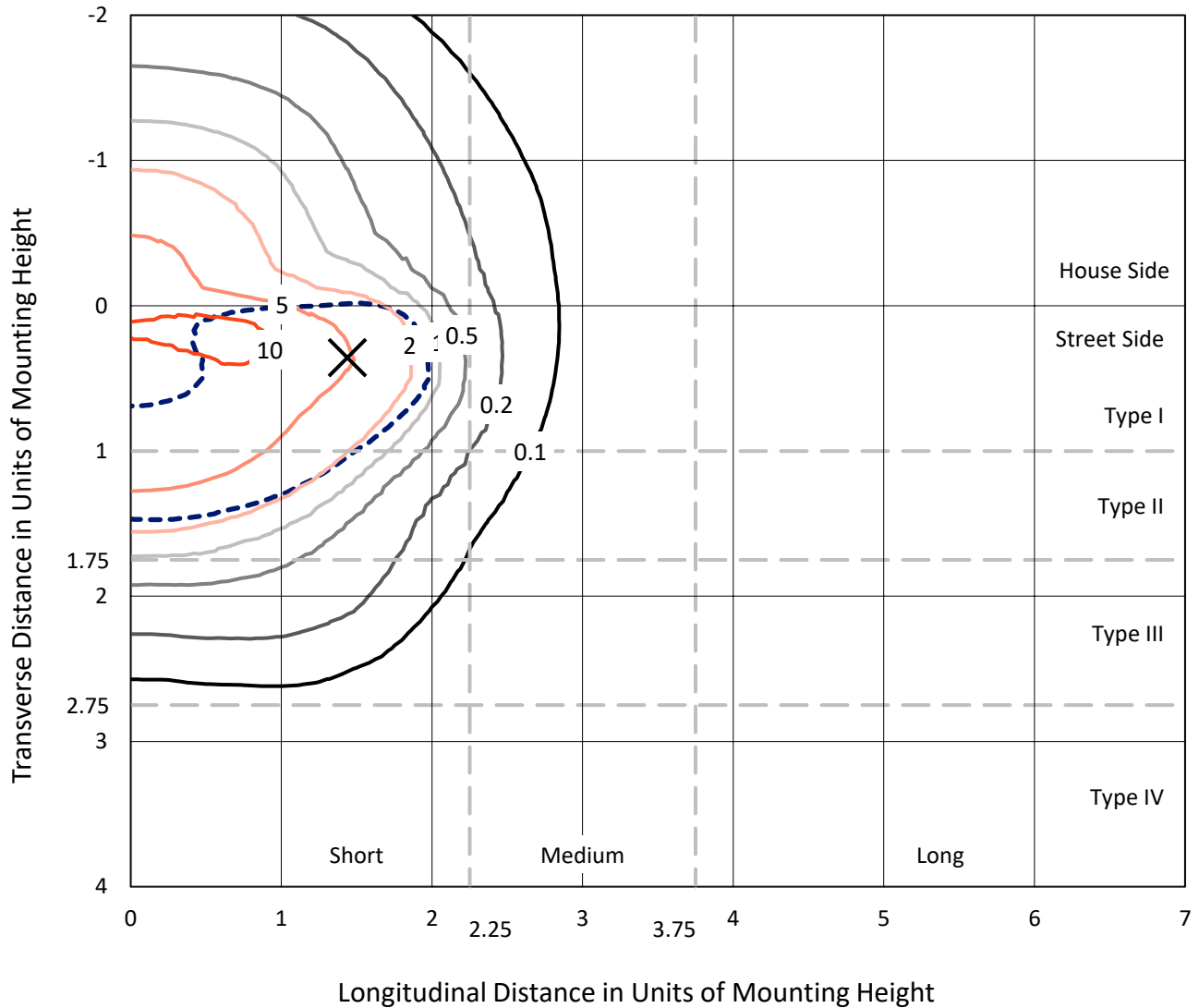
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

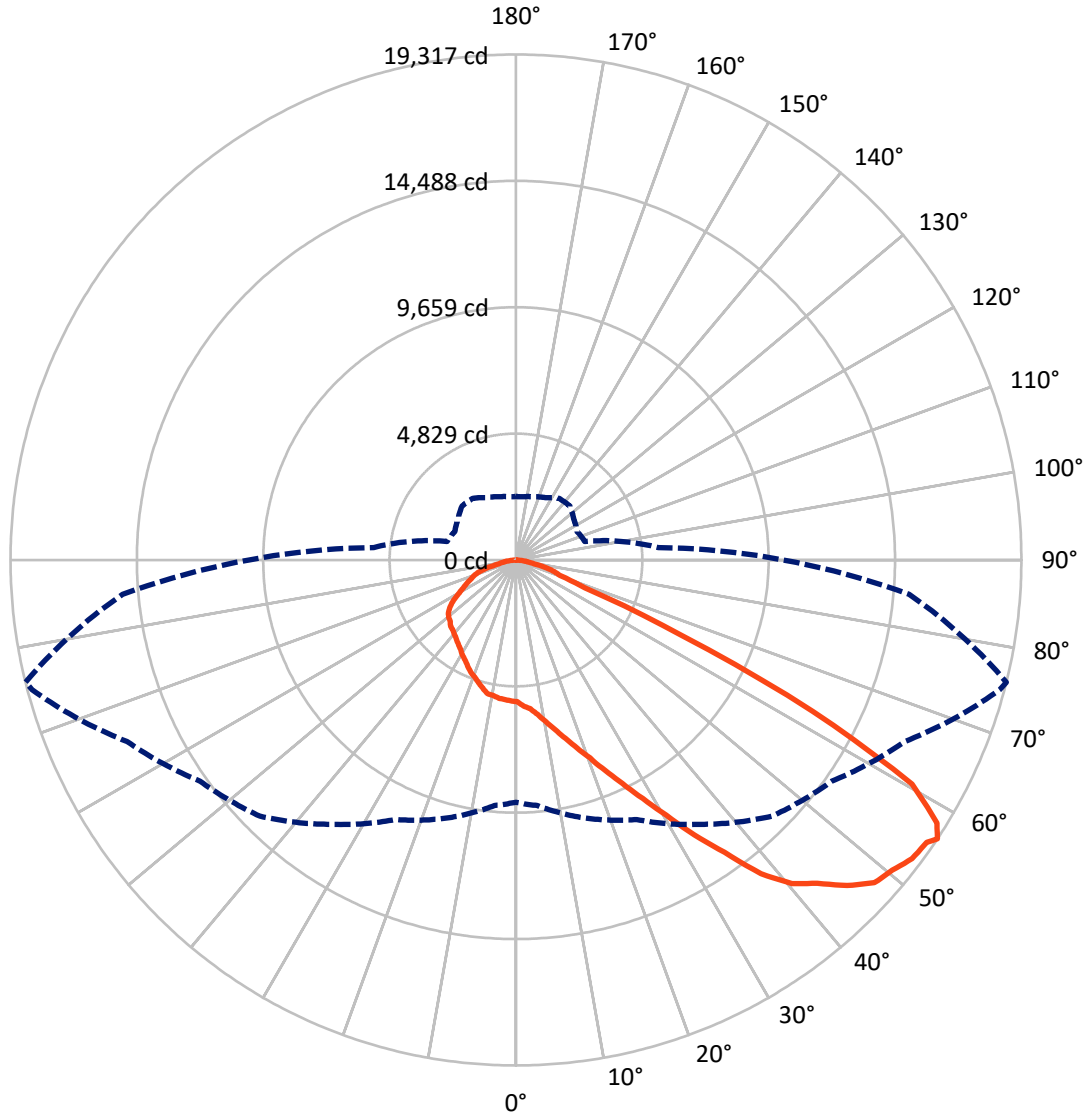
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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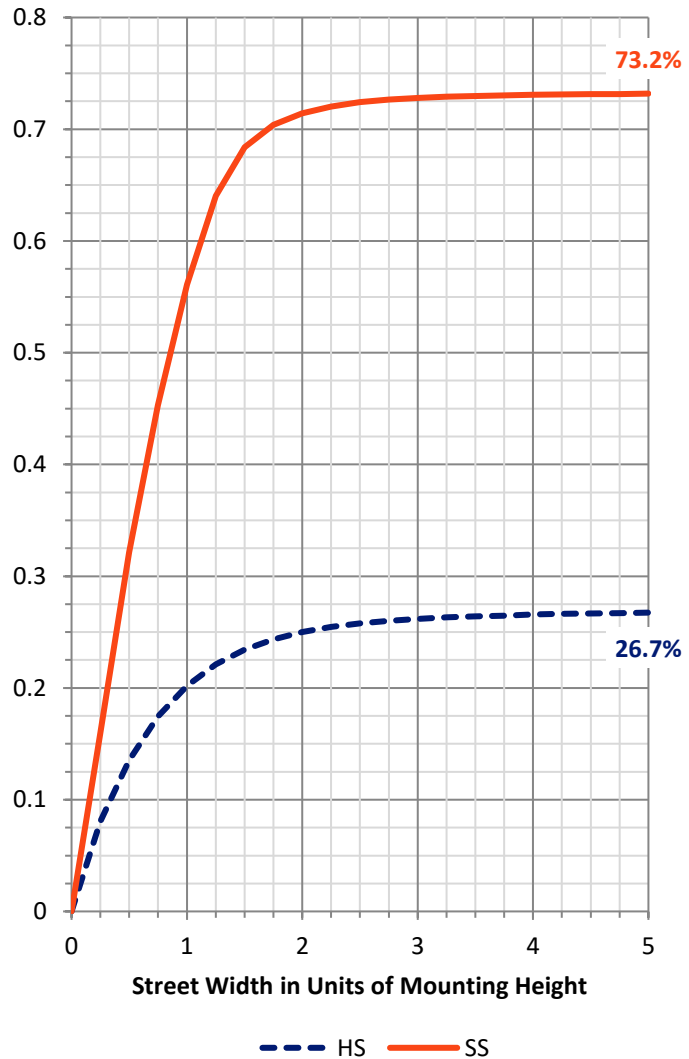
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7609.8	0.0	7609.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	20693.2	0.0	20693.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	28303.0	0.0	28303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.0	1.9
10°-20°	1687.0	6.0
20°-30°	2950.4	10.4
30°-40°	4619.5	16.3
40°-50°	6720.0	23.7
50°-60°	7385.7	26.1
60°-70°	3296.7	11.6
70°-80°	952.2	3.4
80°-90°	154.5	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°	28303.0	100.0
0°-180°	28303.0	100.0

Coefficient of Utilization



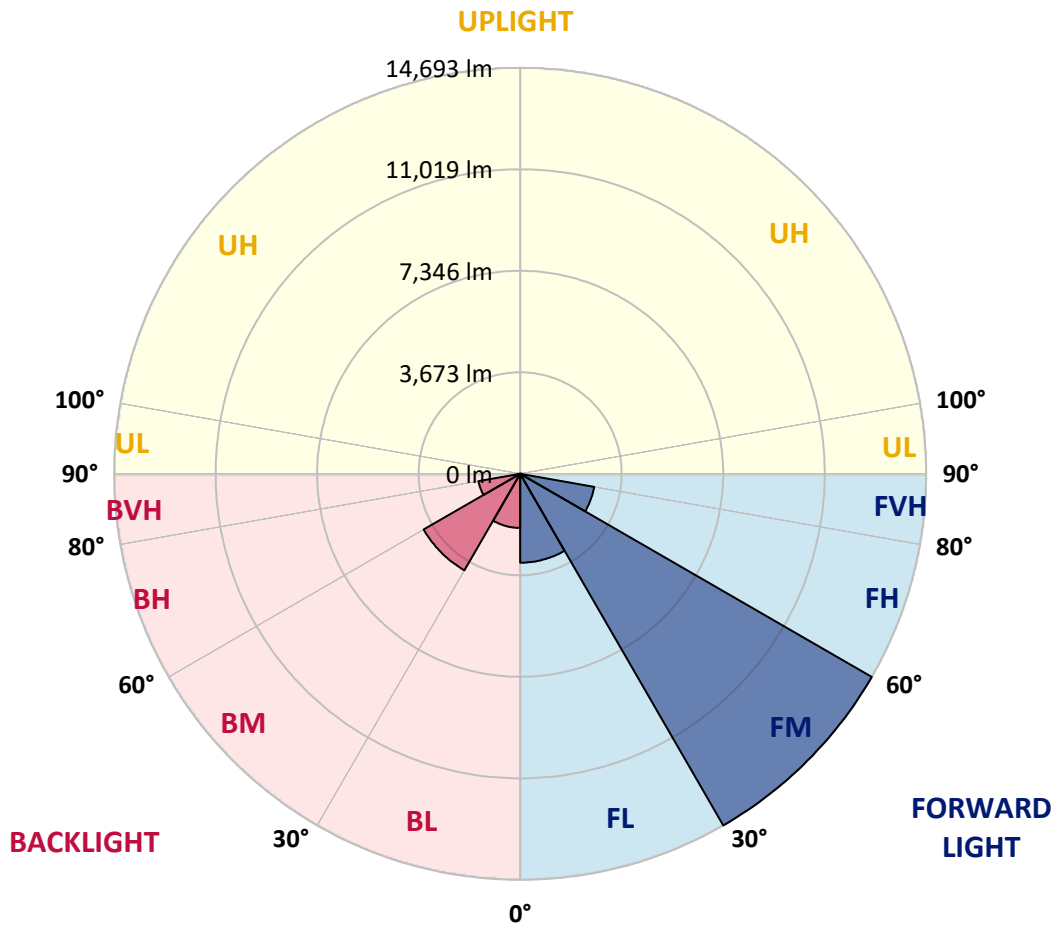
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3216.3	11.4			
FM (30°-60°)	14692.6	51.9			
FH (60°-80°)	2717.8	9.6			G2/5000
FVH (80°-90°)	66.5	0.2			G1/100
BL (0°-30°)	1958.2	6.9	B3/2500		
BM (30°-60°)	4032.6	14.2	B3/5000		
BH (60°-80°)	1531.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	88.0	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°	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4
2.5°	5965.8	5870.4	5863.0	5837.3	5852.0	5786.0	5716.3	5624.5	5529.2	5587.9	5448.4
5°	6384.0	6255.6	6307.0	6218.9	6229.9	6141.9	5998.8	5892.4	5775.0	5705.3	5606.2
7.5°	6530.8	6541.8	6578.5	6563.8	6490.4	6490.4	6395.0	6207.9	6002.5	5962.1	5797.0
10°	6728.9	6732.6	6692.2	6703.2	6806.0	6758.3	6673.9	6593.2	6329.0	6281.3	5987.8
12.5°	6798.6	6732.6	6798.6	6857.3	6978.4	7044.4	7026.1	6967.4	6684.9	6651.9	6222.6
15°	6809.6	6769.3	6824.3	6956.4	7062.8	7341.6	7481.1	7440.7	7066.5	7070.1	6486.8
17.5°	6758.3	6813.3	6835.3	6949.0	7194.9	7455.4	7859.0	7914.0	7605.8	7558.1	6820.6
20°	6828.0	6787.6	6817.0	6919.7	7246.2	7653.5	8181.8	8545.1	8112.1	8079.1	7165.5
22.5°	7095.8	7040.8	7033.4	7099.5	7334.3	7756.2	8523.0	9176.1	8728.5	8746.9	7594.8
25°	7304.9	7334.3	7308.6	7304.9	7451.7	7910.3	8974.3	9928.3	9565.0	9458.6	8101.1
27.5°	7664.5	7734.2	7682.8	7752.6	7719.5	8141.5	9297.2	10761.1	10467.6	10324.5	8559.7
30°	8163.5	8200.2	8152.5	8152.5	8053.4	8464.3	9590.7	11630.7	11509.6	11315.1	9099.1
32.5°	8820.2	8875.3	8779.9	8724.8	8710.2	8945.0	10119.0	12489.2	12694.7	12529.6	9814.5
35°	9689.8	9656.8	9543.0	9491.7	9293.5	9682.4	10904.2	13476.2	14015.5	13722.0	10680.4
37.5°	10456.6	10405.2	10397.9	10111.7	10159.4	10478.6	11572.0	14224.6	15296.0	15211.6	11594.0
40°	11172.0	11219.7	11296.8	11135.4	11062.0	11414.2	12349.8	14797.0	16290.3	16257.3	12298.4
42.5°	11938.9	11894.8	12030.6	11894.8	11784.8	12283.7	13193.7	15193.2	17163.5	16892.0	13035.9
45°	13050.6	12911.1	12958.8	12969.8	12889.1	13072.6	13542.2	15479.4	17776.2	17746.9	13575.2
47.5°	13978.8	13982.5	13901.8	13839.4	13593.6	13777.0	13931.1	15659.2	18480.7	18433.0	13784.4
50°	14323.7	14276.0	14510.8	14646.6	14661.2	14287.0	14235.6	15758.3	18851.2	18642.1	13993.5
52.5°	13083.6	13127.6	13498.2	14305.4	14771.3	14811.7	14591.5	15963.7	19001.7	18957.6	14162.3
55°	10530.0	10742.8	11351.8	12283.7	13388.1	14602.5	14976.8	16176.5	19082.4	19045.7	14910.7
56°	9256.8	9421.9	10214.4	10944.6	12331.4	13843.1	14734.6	16404.0	19144.7	19317.2	15086.8
57.5°	7451.7	7642.5	8211.2	9040.4	10676.7	12397.5	14066.9	16125.2	18902.6	18968.6	15215.3
60°	4659.6	4678.0	5360.4	5907.1	7059.1	8739.5	10735.4	14030.2	17493.7	17398.3	13667.0
62.5°	3056.3	3059.9	3680.0	4127.6	4652.3	5037.5	6318.0	9304.5	12907.5	12738.7	9730.1
65°	2146.4	2194.1	2674.7	3272.7	3485.5	3283.7	3243.4	4905.4	7209.5	6967.4	5228.3
67.5°	1570.3	1574.0	1999.6	2641.7	2949.9	2498.6	2028.9	2395.8	2854.5	2847.1	2421.5
70°	1038.3	1082.3	1408.9	1973.9	2326.1	2006.9	1658.4	1713.4	1816.1	1816.1	1801.5
72.5°	605.4	645.7	862.2	1251.1	1306.2	1254.8	1313.5	1467.6	1533.6	1530.0	1511.6
75°	344.9	363.2	410.9	521.0	649.4	766.8	964.9	1111.7	1177.7	1218.1	1170.4
77.5°	201.8	212.8	242.2	297.2	337.5	414.6	524.7	627.4	715.5	704.4	711.8
80°	106.4	106.4	135.8	176.1	234.8	293.5	348.6	407.3	455.0	466.0	477.0
82.5°	62.4	66.0	88.1	128.4	168.8	209.1	267.8	308.2	352.2	355.9	363.2
85°	33.0	36.7	55.0	84.4	113.7	128.4	132.1	124.7	135.8	128.4	146.8
87.5°	11.0	11.0	18.3	14.7	14.7	18.3	22.0	22.0	29.4	29.4	29.4
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°	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4	5415.4
2.5°	5444.8	5444.8	5382.4	5265.0	5246.6	5198.9	5154.9	5151.2	5118.2	5088.9	5074.2
5°	5547.5	5433.8	5342.0	5235.6	5110.9	5052.2	4986.1	4912.8	4883.4	4912.8	4909.1
7.5°	5664.9	5569.5	5294.3	5096.2	4953.1	4894.4	4821.0	4744.0	4751.3	4751.3	4700.0
10°	5778.6	5650.2	5210.0	4956.8	4747.7	4703.6	4663.3	4692.6	4729.3	4736.7	4703.6
12.5°	5969.4	5679.6	5169.6	4817.4	4685.3	4589.9	4615.6	4696.3	4773.3	4751.3	4777.0
15°	6112.5	5705.3	4986.1	4674.3	4509.2	4553.2	4644.9	4700.0	4828.4	4813.7	4839.4
17.5°	6251.9	5719.9	4806.4	4483.5	4413.8	4534.9	4604.6	4762.3	4802.7	4890.8	4923.8
20°	6538.1	5749.3	4622.9	4366.1	4344.1	4483.5	4604.6	4678.0	4766.0	4843.1	4843.1
22.5°	6684.9	5734.6	4501.8	4212.0	4281.7	4369.8	4479.8	4604.6	4604.6	4678.0	4681.6
25°	6868.3	5675.9	4311.1	4138.6	4190.0	4274.4	4399.1	4355.1	4402.8	4402.8	4461.5
27.5°	7077.5	5551.2	4145.9	4006.5	4109.3	4201.0	4219.3	4190.0	4134.9	4127.6	4105.6
30°	7246.2	5397.1	4024.9	3962.5	4046.9	4098.3	4039.5	3977.2	3881.8	3874.4	3823.1
32.5°	7477.4	5206.3	3874.4	3852.4	3947.8	3951.5	3933.1	3837.8	3698.3	3639.6	3580.9
35°	7866.3	5096.2	3760.7	3793.7	3823.1	3812.1	3779.1	3676.3	3536.9	3511.2	3489.2
37.5°	8152.5	5015.5	3643.3	3683.7	3709.3	3724.0	3625.0	3511.2	3514.9	3463.5	3448.8
40°	8475.3	4964.1	3547.9	3566.2	3569.9	3617.6	3496.5	3441.5	3467.2	3434.2	3456.2
42.5°	8889.9	4978.8	3448.8	3434.2	3503.9	3485.5	3426.8	3353.4	3368.1	3269.1	3283.7
45°	9110.1	5077.9	3390.1	3324.1	3401.1	3397.5	3320.4	3250.7	3162.7	2971.9	2979.2
47.5°	9256.8	5103.6	3250.7	3206.7	3287.4	3335.1	3247.0	3085.6	2960.9	2825.1	2792.1
50°	9407.3	5151.2	3184.7	3093.0	3126.0	3239.7	3129.6	2975.5	2854.5	2733.4	2751.7
52.5°	9539.4	5243.0	3056.3	2920.5	2979.2	3104.0	3045.3	2858.1	2726.1	2627.0	2597.6
55°	10126.4	5448.4	2839.8	2663.7	2803.1	2960.9	2927.8	2700.4	2557.3	2505.9	2498.6
56°	10218.1	5455.8	2726.1	2575.6	2704.0	2913.2	2872.8	2630.7	2502.2	2421.5	2425.2
57.5°	10232.8	5367.7	2564.6	2494.9	2605.0	2843.5	2792.1	2575.6	2399.5	2326.1	2304.1
60°	9003.7	4190.0	2362.8	2318.8	2447.2	2630.7	2612.3	2425.2	2227.1	2142.7	2183.0
62.5°	6138.2	3070.9	2205.1	2197.7	2263.8	2443.5	2395.8	2227.1	2062.0	2006.9	1981.2
65°	3573.6	2329.8	2051.0	2021.6	2076.6	2172.0	2205.1	2028.9	1856.5	1819.8	1808.8
67.5°	2109.7	1926.2	1852.8	1805.1	1786.8	1845.5	1871.2	1768.4	1596.0	1544.6	1588.7
70°	1764.8	1713.4	1717.1	1636.4	1592.3	1552.0	1530.0	1438.2	1295.2	1229.1	1210.8
72.5°	1522.6	1500.6	1485.9	1412.6	1372.2	1280.5	1185.1	1093.4	987.0	931.9	935.6
75°	1163.1	1155.7	1163.1	1126.4	1056.7	983.3	895.2	777.8	697.1	627.4	642.1
77.5°	693.4	715.5	726.5	711.8	682.4	616.4	561.4	484.3	407.3	352.2	344.9
80°	477.0	495.3	513.7	495.3	466.0	418.3	359.6	300.9	245.8	216.5	209.1
82.5°	363.2	381.6	392.6	374.2	337.5	286.2	245.8	205.5	161.4	132.1	124.7
85°	132.1	150.4	146.8	176.1	190.8	183.4	157.8	121.1	91.7	66.0	62.4
87.5°	36.7	33.0	36.7	36.7	36.7	33.0	29.4	29.4	29.4	18.3	14.7
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)