

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636344

Luminaire Tested: GWS-SA3F-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20852.1 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

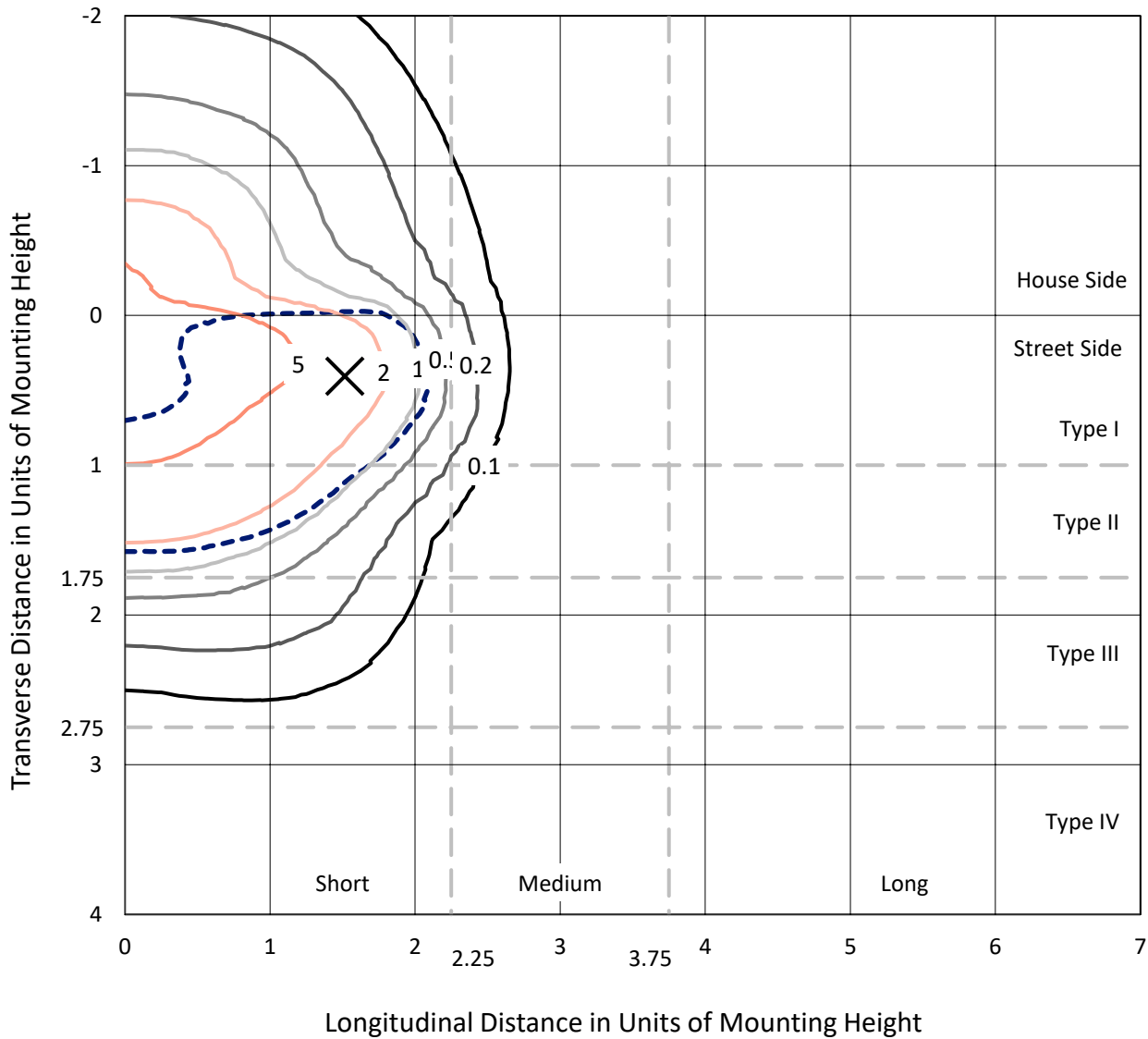
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

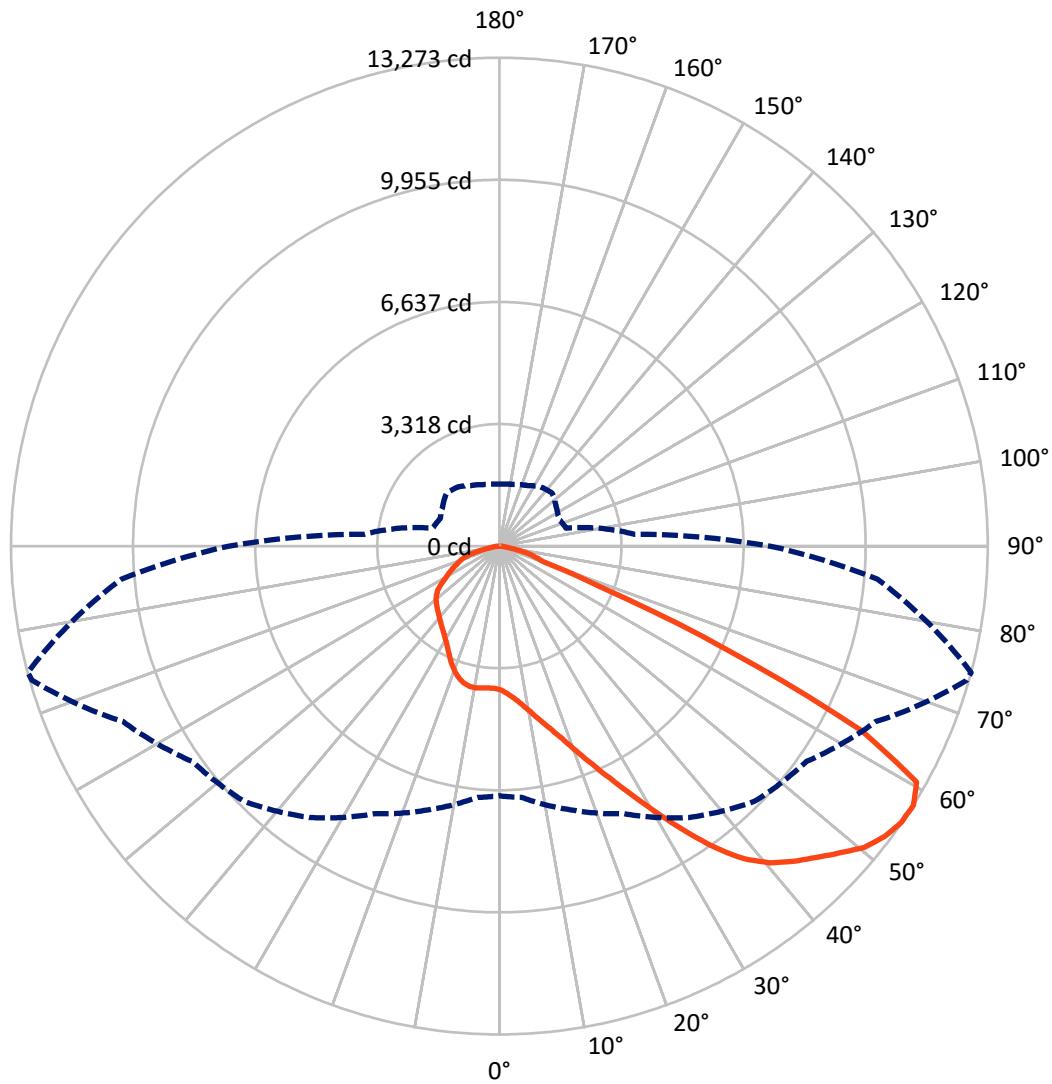
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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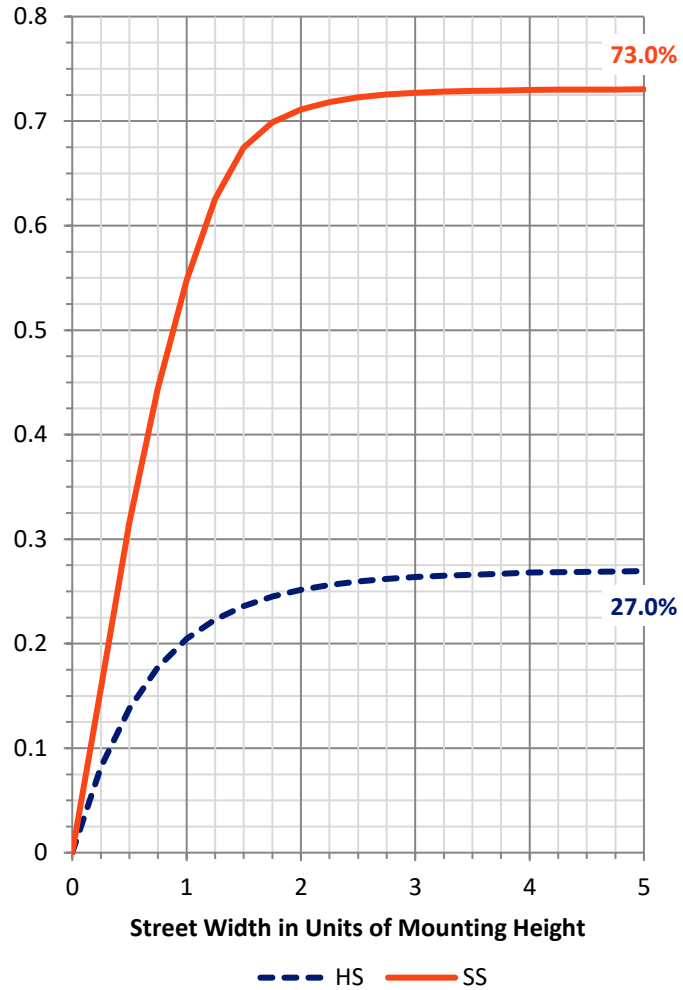
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5640.9	0.0	5640.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	15211.2	0.0	15211.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	20852.1	0.0	20852.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	1.9
10°-20°	1244.2	6.0
20°-30°	2206.5	10.6
30°-40°	3377.8	16.2
40°-50°	4703.3	22.6
50°-60°	5389.0	25.8
60°-70°	2769.0	13.3
70°-80°	697.1	3.3
80°-90°	74.5	0.4
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°	20852.1	100.0
0°-180°	20852.1	100.0

Coefficient of Utilization



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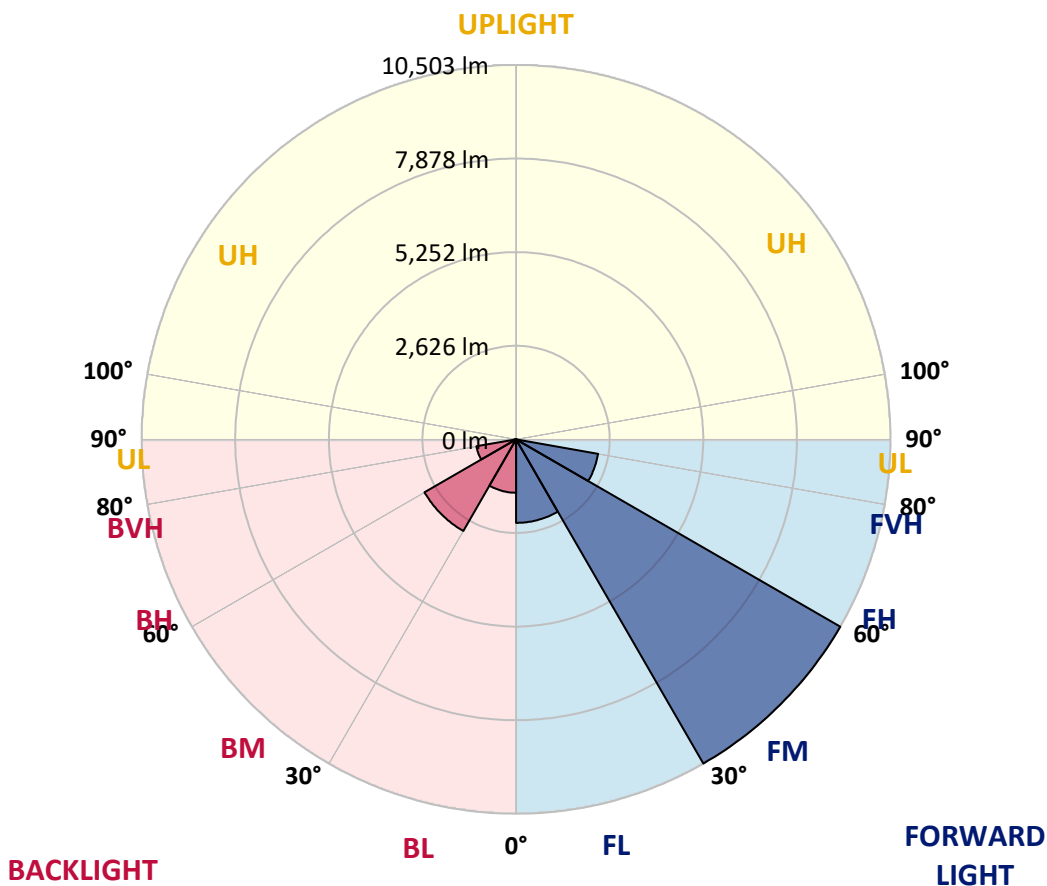
CATALOG NUMBER: GWS-SA3F-750-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2342.9	11.2			
FM (30°-60°)	10503.4	50.4			
FH (60°-80°)	2337.3	11.2			G2/5000
FVH (80°-90°)	27.6	0.1			G1/100
BL (0°-30°)	1498.6	7.2	B3/2500		
BM (30°-60°)	2966.6	14.2	B3/5000		
BH (60°-80°)	1128.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	46.9	0.2			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°	74°	75°	85°
0°	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1
2.5°	4195.6	4206.3	4195.6	4213.5	4177.6	4161.5	4122.0	4062.9	4016.3	4009.1	3957.1
5°	4521.9	4545.2	4530.8	4523.7	4475.3	4439.4	4380.2	4261.9	4165.1	4150.7	4048.5
7.5°	4731.7	4747.8	4747.8	4753.2	4735.2	4694.0	4631.3	4491.4	4355.1	4333.6	4179.4
10°	4801.6	4814.1	4837.4	4882.3	4918.1	4930.7	4889.4	4755.0	4588.2	4566.7	4351.5
12.5°	4817.7	4832.1	4867.9	4950.4	5049.0	5138.7	5145.8	5047.2	4860.8	4837.4	4550.6
15°	4848.2	4862.5	4911.0	5013.2	5158.4	5330.5	5436.3	5368.2	5162.0	5136.9	4776.5
17.5°	4844.6	4860.8	4932.5	5068.7	5264.2	5513.4	5717.8	5746.5	5533.1	5490.1	5032.9
20°	4835.7	4850.0	4927.1	5093.8	5335.9	5678.3	6047.7	6196.5	5967.0	5927.6	5332.3
22.5°	4907.4	4923.5	4982.7	5120.7	5373.5	5805.7	6352.5	6711.1	6481.6	6426.0	5676.6
25°	5068.7	5092.0	5127.9	5222.9	5441.7	5918.6	6664.5	7293.8	7058.9	6992.6	6051.3
27.5°	5318.0	5346.6	5396.9	5441.7	5594.1	6062.0	6974.7	7946.5	7711.6	7641.7	6447.5
30°	5622.8	5660.4	5725.0	5755.4	5859.4	6273.6	7311.7	8618.8	8482.6	8385.7	6894.0
32.5°	6044.1	6096.1	6157.1	6166.0	6228.8	6594.6	7645.2	9285.8	9284.0	9215.9	7401.4
35°	6592.8	6648.3	6660.9	6673.4	6703.9	7035.6	8048.7	9893.6	10128.5	10049.6	7953.6
37.5°	7191.6	7272.3	7292.0	7236.4	7279.5	7566.4	8502.3	10381.3	10863.6	10779.4	8487.9
40°	7831.7	7864.0	7917.8	7829.9	7883.7	8174.2	8946.9	10693.3	11412.3	11322.6	8909.3
42.5°	8290.7	8349.9	8430.6	8398.3	8428.8	8694.1	9258.9	10843.9	11803.1	11713.5	9212.3
45°	8789.2	8807.1	8859.1	8851.9	8869.8	9117.3	9483.0	10910.2	12152.8	12072.1	9470.5
47.5°	9223.1	9250.0	9284.0	9244.6	9205.1	9366.5	9665.9	10967.6	12556.2	12459.4	9741.2
50°	9640.8	9664.1	9705.4	9590.6	9443.6	9484.8	9755.6	11046.5	12934.5	12866.4	9954.6
52.5°	9717.9	9743.0	9936.7	9960.0	9771.7	9626.5	9913.4	11220.4	13156.8	13113.8	10031.7
55°	8747.9	8792.7	9178.2	9621.1	10085.5	10038.9	10166.2	11311.9	13244.7	13255.5	10169.7
57.5°	6790.0	6854.5	7417.5	8025.4	9002.5	9811.2	10198.4	11288.6	13214.2	13273.4	10311.4
60°	4453.7	4491.4	5158.4	5839.7	6852.7	7971.6	9128.0	10869.0	12943.5	13027.8	10275.5
62.5°	2689.5	2732.5	3268.6	3785.0	4382.0	5129.7	6191.1	8735.4	10849.3	11037.5	8229.8
65°	1877.2	1934.6	2404.4	2829.3	3035.5	2881.3	3135.9	4878.7	6759.5	6838.4	5029.3
67.5°	1360.9	1400.3	1785.8	2291.4	2519.1	2035.0	1550.9	2160.5	2944.1	2972.8	2074.5
70°	891.1	935.9	1285.6	1744.6	2056.5	1649.5	1160.1	1169.0	1238.9	1253.3	1204.9
72.5°	489.5	516.4	794.3	1158.3	1215.6	986.1	905.5	971.8	1020.2	1020.2	1032.8
75°	252.8	276.1	324.5	381.9	460.8	539.7	652.6	751.3	803.3	806.8	801.5
77.5°	129.1	138.1	173.9	188.3	206.2	240.3	312.0	399.8	446.5	464.4	460.8
80°	61.0	64.5	73.5	86.1	105.8	134.5	168.5	200.8	229.5	233.1	252.8
82.5°	32.3	35.9	39.4	46.6	57.4	71.7	98.6	118.3	136.3	139.9	156.0
85°	12.6	14.3	16.1	17.9	25.1	30.5	41.2	55.6	68.1	68.1	80.7
87.5°	0.0	0.0	0.0	0.0	1.8	3.6	7.2	9.0	12.6	12.6	21.5
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°	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1	3905.1
2.5°	3944.5	3892.5	3869.2	3831.6	3801.1	3767.0	3740.1	3720.4	3707.9	3700.7	3693.5
5°	4009.1	3930.2	3867.4	3792.1	3740.1	3689.9	3648.7	3620.0	3605.7	3594.9	3587.7
7.5°	4109.5	4003.7	3885.4	3768.8	3677.4	3596.7	3544.7	3514.2	3494.5	3487.3	3482.0
10°	4247.6	4100.5	3905.1	3720.4	3584.2	3496.3	3460.4	3446.1	3447.9	3444.3	3442.5
12.5°	4403.5	4202.7	3899.7	3634.4	3483.7	3431.8	3433.5	3456.9	3483.7	3490.9	3492.7
15°	4572.1	4303.1	3847.7	3523.2	3404.9	3410.2	3456.9	3512.4	3562.6	3582.4	3585.9
17.5°	4755.0	4387.4	3752.7	3401.3	3340.3	3397.7	3483.7	3575.2	3648.7	3681.0	3689.9
20°	4959.4	4459.1	3618.2	3281.1	3279.3	3374.4	3499.9	3620.0	3713.2	3756.3	3763.5
22.5°	5176.3	4504.0	3453.3	3170.0	3216.6	3343.9	3487.3	3612.8	3711.5	3754.5	3763.5
25°	5395.1	4518.3	3272.2	3067.8	3152.0	3295.5	3426.4	3526.8	3620.0	3657.7	3664.8
27.5°	5599.5	4477.1	3100.1	2979.9	3092.9	3223.8	3311.6	3365.4	3430.0	3458.6	3464.0
30°	5807.4	4394.6	2954.8	2910.0	3026.5	3125.2	3164.6	3168.2	3193.3	3193.3	3196.9
32.5°	6017.2	4272.7	2827.5	2841.9	2944.1	3008.6	3014.0	2972.8	2942.3	2892.1	2890.3
35°	6259.3	4148.9	2723.5	2764.8	2847.2	2886.7	2870.6	2791.7	2718.1	2635.7	2632.1
37.5°	6483.4	4021.6	2635.7	2685.9	2737.9	2766.6	2728.9	2633.9	2572.9	2488.6	2476.1
40°	6668.1	3906.9	2551.4	2603.4	2628.5	2653.6	2592.6	2515.5	2524.5	2477.9	2476.1
42.5°	6775.6	3795.7	2472.5	2512.0	2528.1	2546.0	2492.2	2434.9	2483.3	2447.4	2449.2
45°	6854.5	3698.9	2400.8	2415.1	2454.6	2481.5	2431.3	2366.7	2377.5	2239.4	2207.2
47.5°	6944.2	3645.1	2332.7	2318.3	2388.2	2434.9	2357.8	2264.5	2200.0	2063.7	2051.2
50°	7039.2	3625.4	2260.9	2221.5	2305.8	2350.6	2260.9	2144.4	2060.1	1986.6	1979.4
52.5°	7071.5	3623.6	2171.3	2105.0	2189.2	2252.0	2176.7	2058.3	1957.9	1886.2	1882.6
55°	7198.8	3675.6	2056.5	1945.4	2024.3	2153.4	2097.8	1927.4	1846.8	1814.5	1810.9
57.5°	7347.6	3684.6	1875.5	1771.5	1880.8	2033.2	1963.3	1816.3	1728.4	1689.0	1685.4
60°	7286.6	3464.0	1681.8	1638.8	1758.9	1920.3	1855.7	1728.4	1626.2	1588.6	1585.0
62.5°	5552.8	2445.6	1540.2	1524.0	1628.0	1757.1	1744.6	1611.9	1515.1	1488.2	1484.6
65°	3340.3	1717.7	1403.9	1402.1	1475.6	1599.3	1615.5	1507.9	1405.7	1368.0	1368.0
67.5°	1651.3	1314.3	1249.7	1240.7	1287.4	1375.2	1443.3	1355.5	1269.4	1233.6	1228.2
70°	1167.2	1158.3	1136.7	1111.6	1120.6	1156.5	1185.2	1111.6	1020.2	984.3	977.2
72.5°	1009.4	1011.2	996.9	977.2	970.0	944.9	919.8	866.0	810.4	772.8	776.4
75°	783.5	787.1	796.1	788.9	769.2	742.3	715.4	647.3	602.4	566.6	559.4
77.5°	457.2	475.1	503.8	496.7	500.2	462.6	451.8	385.5	344.3	319.1	313.8
80°	258.2	268.9	281.5	290.5	279.7	263.6	240.3	204.4	191.8	173.9	170.3
82.5°	156.0	166.7	172.1	179.3	175.7	154.2	136.3	113.0	102.2	93.2	91.4
85°	78.9	86.1	91.4	95.0	84.3	69.9	62.8	50.2	43.0	37.7	37.7
87.5°	19.7	21.5	25.1	21.5	19.7	9.0	7.2	1.8	0.0	0.0	0.0
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)