

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: P643290

Luminaire Tested: GWS-SA6E-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44229.5 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

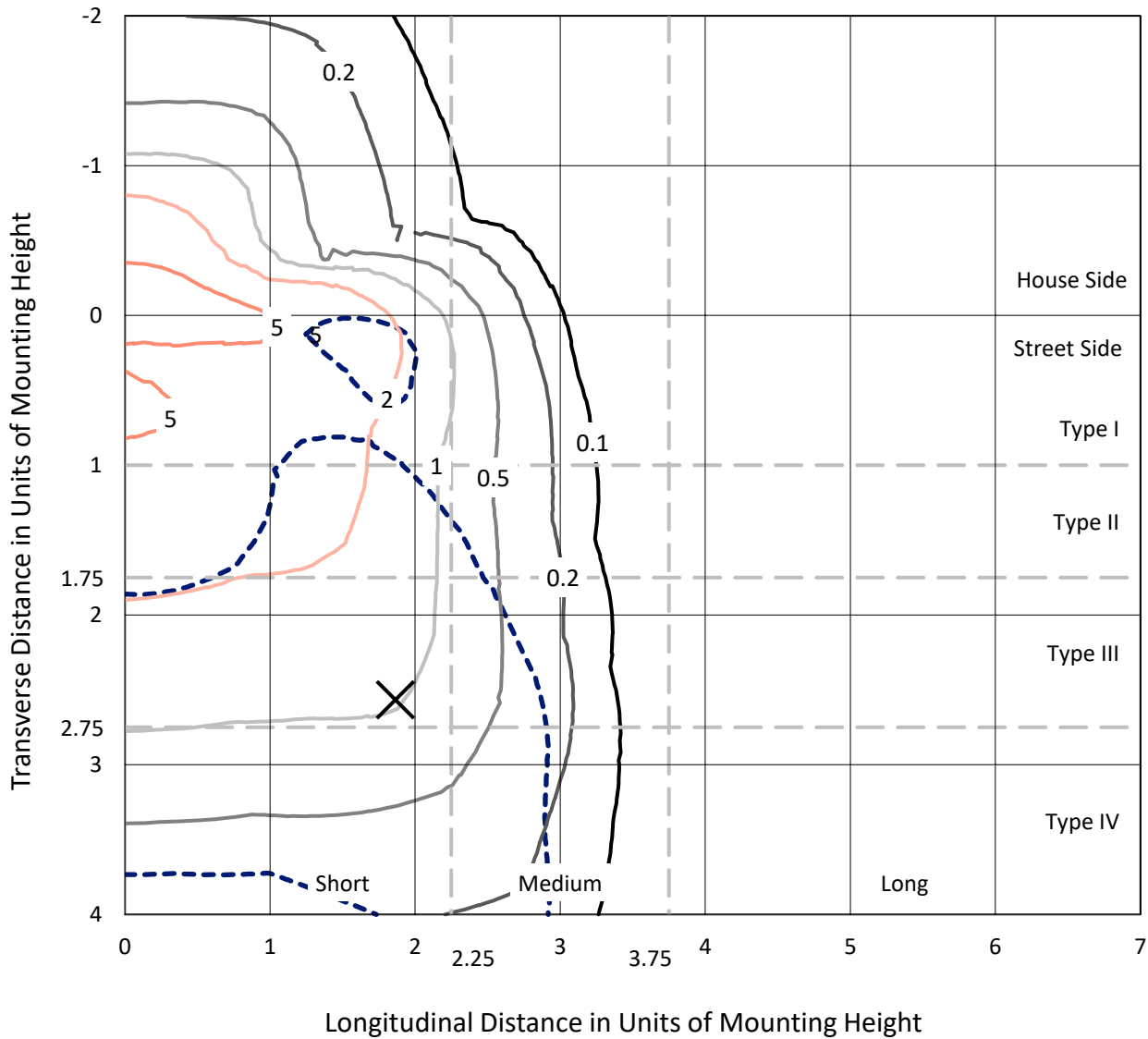
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

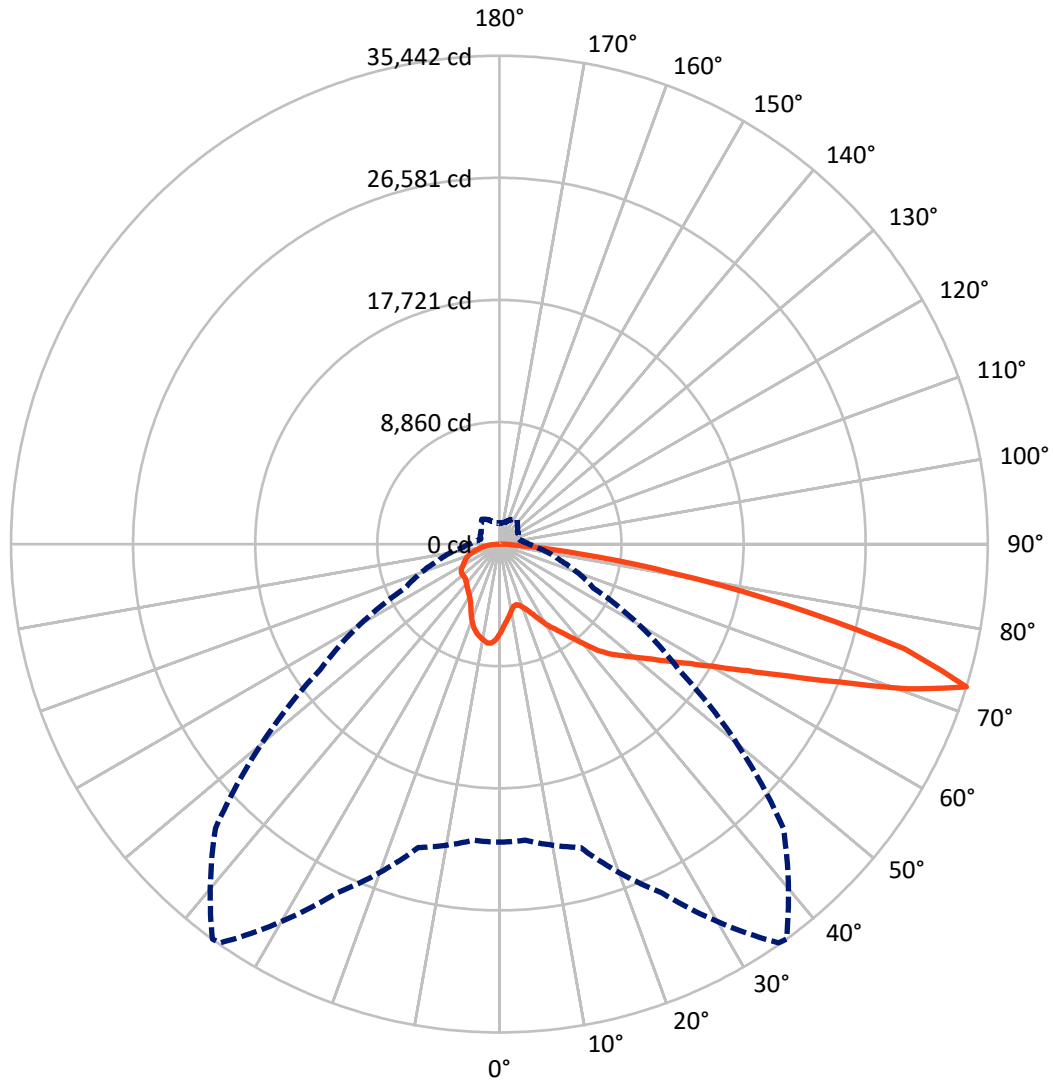
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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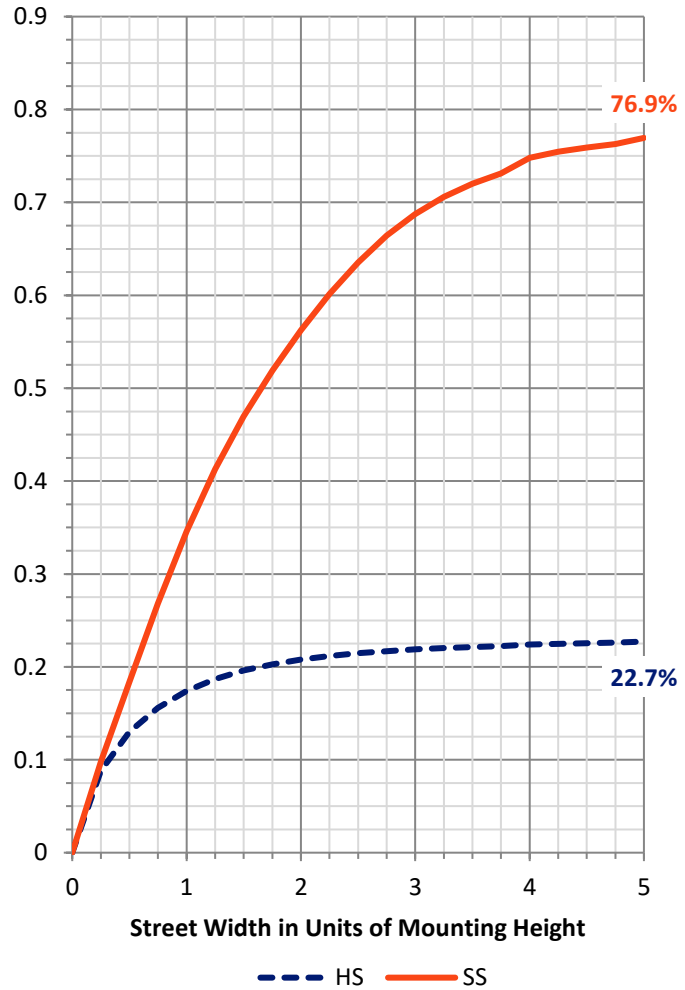
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10196.8	0.0	10196.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	34032.7	0.0	34032.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	44229.5	0.0	44229.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.1	1.4
10°-20°	1707.1	3.9
20°-30°	2827.2	6.4
30°-40°	4234.0	9.6
40°-50°	6177.1	14.0
50°-60°	8791.8	19.9
60°-70°	11107.8	25.1
70°-80°	7915.3	17.9
80°-90°	864.1	2.0
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°	44229.5	100.0
0°-180°	44229.5	100.0

Coefficient of Utilization



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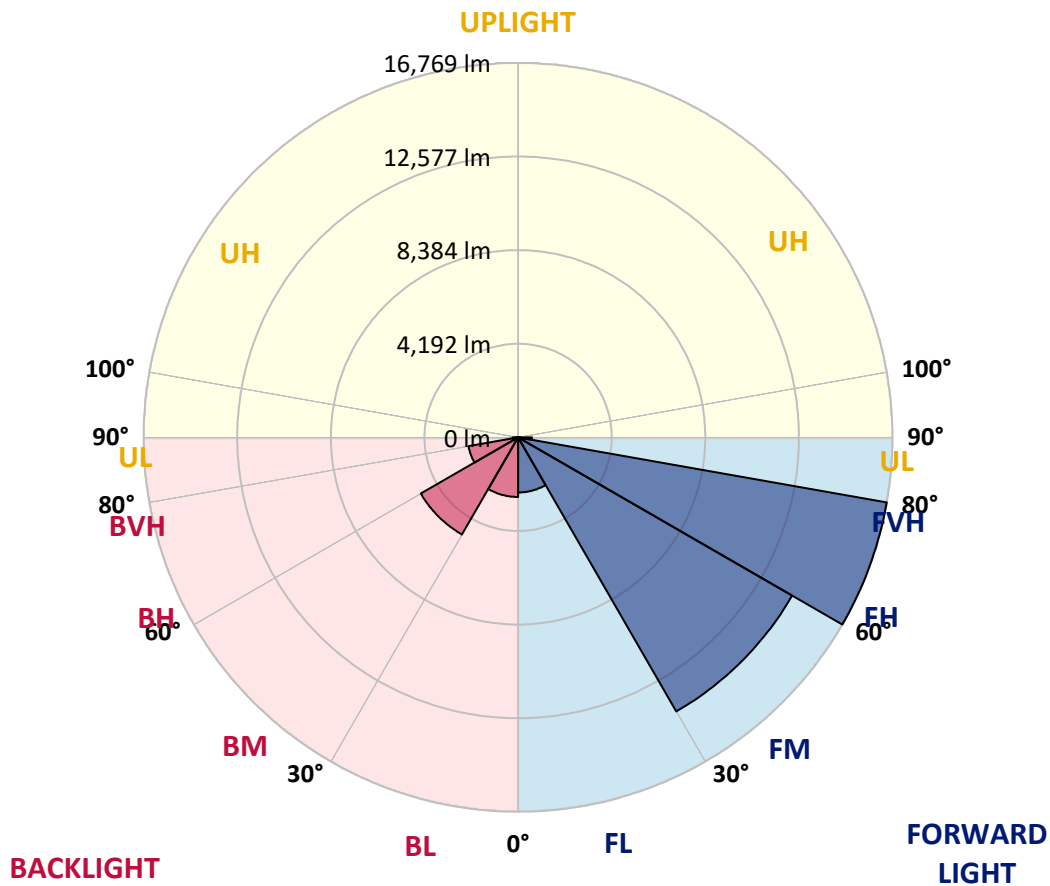
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2469.2	5.6			
FM (30°-60°)	14174.4	32.0			
FH (60°-80°)	16768.9	37.9			G5
FVH (80°-90°)	620.2	1.4			G4/750
BL (0°-30°)	2670.2	6.0	B4/5000		
BM (30°-60°)	5028.5	11.4	B4/8500		
BH (60°-80°)	2254.3	5.1	B3/2500		G3/2500
BVH (80°-90°)	243.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2
2.5°	5905.3	5895.5	5875.8	5934.8	5993.9	5987.4	6069.4	6148.2	6233.6	6322.2	6440.4
5°	5432.6	5426.1	5409.6	5498.3	5586.9	5583.6	5718.2	5846.2	6020.2	6210.6	6446.9
7.5°	4959.9	4943.5	4966.5	5078.1	5202.8	5216.0	5399.8	5609.9	5862.6	6148.2	6483.0
10°	4543.0	4539.8	4549.6	4674.3	4861.5	4874.6	5110.9	5403.1	5737.9	6118.7	6565.1
12.5°	4434.7	4428.2	4401.9	4464.3	4605.4	4625.1	4884.4	5242.2	5652.5	6135.1	6676.7
15°	4612.0	4595.6	4503.7	4474.1	4543.0	4559.5	4779.4	5147.0	5603.3	6164.6	6817.9
17.5°	4917.3	4907.4	4733.4	4612.0	4657.9	4671.1	4835.2	5130.6	5590.2	6223.7	6991.8
20°	5363.7	5321.0	5048.6	4864.7	4864.7	4884.4	4982.9	5202.8	5606.6	6295.9	7188.8
22.5°	5954.5	5869.2	5485.1	5235.7	5170.0	5196.3	5238.9	5383.4	5675.5	6417.4	7435.0
25°	6617.6	6538.8	6082.6	5731.3	5639.4	5649.3	5613.2	5639.4	5826.5	6584.8	7740.2
27.5°	7323.4	7270.8	6785.0	6338.6	6194.2	6194.2	6066.1	6003.8	6036.6	6775.2	8081.6
30°	7953.6	7881.4	7471.1	6982.0	6791.6	6791.6	6548.7	6414.1	6335.3	7008.2	8537.9
32.5°	8285.2	8242.5	7970.0	7595.8	7362.8	7326.6	7116.6	6959.0	6775.2	7352.9	9155.0
35°	8718.4	8708.6	8544.5	8252.3	7956.9	7904.4	7759.9	7635.2	7316.8	7782.9	9975.7
37.5°	9263.4	9246.9	9220.7	9046.7	8692.2	8682.3	8554.3	8403.3	7989.7	8403.3	10970.3
40°	9873.9	9844.4	9811.5	9808.3	9594.9	9558.8	9548.9	9378.2	8800.5	9151.7	12007.6
42.5°	10714.2	10612.5	10303.9	10441.8	10599.3	10566.5	10691.3	10435.2	9811.5	10041.3	12989.0
45°	11748.2	11498.8	10888.2	10927.6	11324.8	11390.4	11823.7	11761.4	10924.3	11068.8	14023.0
47.5°	12368.6	12152.0	11584.1	11551.3	12047.0	12129.0	13071.1	13189.3	12122.5	12306.3	15300.0
50°	12877.4	12726.4	12260.3	12306.3	12831.5	12913.5	14308.6	14561.4	13251.6	13573.3	16783.7
52.5°	13491.3	13274.6	12913.5	13130.2	13773.6	13872.0	15684.0	15956.5	14269.2	14965.1	18319.9
55°	13835.9	13747.3	13753.9	14085.4	14892.9	15027.5	17125.1	17079.1	15201.5	16156.7	19475.4
57.5°	14630.3	14597.5	14899.5	15024.2	16199.4	16373.4	18566.1	18172.2	16048.4	17079.1	20030.1
60°	16032.0	15949.9	16212.5	16402.9	17814.4	18060.6	20174.5	19242.3	16622.8	17765.2	19843.0
62.5°	18001.5	17899.7	17909.6	18211.6	19977.6	20236.9	21963.5	20135.2	16800.1	17870.2	18658.0
65°	20450.3	20302.6	20135.2	20545.5	22849.8	23066.5	23910.1	20785.1	16376.6	16859.2	16183.0
67.5°	23033.6	22912.2	22715.2	23575.3	26568.9	26700.2	26093.0	20729.3	15034.1	14154.3	11351.1
70°	23184.6	23214.2	24146.4	27258.3	31423.8	31456.7	28157.7	19606.7	12175.0	9174.7	5655.8
72.5°	21628.7	21579.5	22794.0	27931.2	35330.1	35441.7	29132.6	15884.3	7523.6	4575.9	2652.3
75°	17568.2	17653.5	18930.5	24438.6	30281.5	30380.0	23749.2	9365.1	3574.7	2238.7	1697.1
77.5°	7563.0	8039.0	10556.7	17217.0	21687.8	21382.5	12240.6	3794.6	1907.2	1595.3	1299.9
80°	2182.9	2370.0	3761.8	8186.7	12995.6	12765.8	4845.0	1421.3	1329.4	1198.1	932.2
82.5°	705.7	781.2	1378.7	3259.6	5823.2	5816.7	1838.2	840.3	869.9	814.1	600.7
85°	197.0	226.5	423.4	988.0	1802.1	1766.0	531.8	397.2	462.8	469.4	298.7
87.5°	0.0	0.0	3.3	6.6	6.6	6.6	13.1	59.1	134.6	170.7	121.5
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°	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2
2.5°	6512.6	6502.7	6637.3	6742.4	6840.8	6906.5	6926.2	6939.3	6965.6	6978.7	6965.6
5°	6558.5	6607.8	6831.0	6995.1	7126.4	7205.2	7208.5	7201.9	7221.6	7205.2	7195.3
7.5°	6657.0	6752.2	7034.5	7208.5	7293.8	7297.1	7218.3	7126.4	7080.5	7041.1	7027.9
10°	6788.3	6929.5	7238.0	7352.9	7326.6	7205.2	7031.2	6886.8	6804.7	6745.6	6732.5
12.5°	6968.9	7126.4	7418.6	7415.3	7251.1	7034.5	6831.0	6657.0	6538.8	6469.9	6446.9
15°	7139.5	7339.8	7549.9	7395.6	7136.3	6873.7	6611.1	6378.0	6220.4	6112.1	6092.4
17.5°	7349.6	7563.0	7645.1	7333.2	6991.8	6653.7	6302.5	5997.2	5783.9	5655.8	5646.0
20°	7592.5	7782.9	7691.0	7224.9	6804.7	6361.6	5885.6	5544.2	5314.4	5189.7	5199.6
22.5°	7874.8	8012.7	7704.1	7077.2	6545.4	5948.0	5416.2	5088.0	4933.7	4868.0	4871.3
25°	8176.8	8265.5	7681.2	6876.9	6148.2	5442.5	4933.7	4782.7	4769.5	4753.1	4759.7
27.5°	8534.6	8514.9	7612.2	6594.6	5613.2	4854.9	4595.6	4635.0	4687.5	4680.9	4687.5
30°	9013.9	8826.8	7523.6	6204.0	4976.3	4362.5	4395.3	4506.9	4575.9	4582.4	4602.1
32.5°	9562.1	9171.4	7382.5	5672.2	4369.1	4086.8	4208.2	4342.8	4424.9	4441.3	4467.5
35°	10215.3	9565.3	7133.0	5009.2	3932.5	3922.6	4034.3	4126.2	4214.8	4221.4	4221.4
37.5°	10967.0	9959.3	6735.8	4277.2	3663.3	3781.5	3886.5	3906.2	3929.2	3909.5	3919.4
40°	11656.3	10340.0	6171.2	3610.8	3443.4	3656.8	3745.4	3679.7	3607.5	3558.3	3568.1
42.5°	12234.1	10599.3	5422.8	3144.7	3220.2	3545.2	3614.1	3479.5	3338.4	3246.4	3259.6
45°	12884.0	10839.0	4543.0	2829.6	3029.8	3466.4	3512.3	3338.4	3157.8	3019.9	3000.2
47.5°	13780.1	11328.1	3761.8	2609.6	2895.2	3423.7	3499.2	3262.9	3026.5	2819.7	2796.7
50°	14886.4	12020.7	3108.6	2465.2	2832.8	3400.7	3495.9	3180.8	2898.5	2655.6	2639.2
52.5°	16094.3	12696.9	2626.0	2353.6	2770.5	3331.8	3479.5	3088.9	2763.9	2501.3	2481.6
55°	16898.6	12962.8	2301.1	2248.5	2668.7	3223.5	3413.9	3000.2	2560.4	2320.8	2291.2
57.5°	17134.9	12621.4	2074.6	2153.4	2537.4	3072.5	3289.1	2813.1	2435.7	2245.3	2222.3
60°	16727.9	11761.4	1933.4	2074.6	2393.0	2878.8	3072.5	2704.8	2337.2	2166.5	2150.1
62.5°	15579.0	10435.2	1825.1	1992.5	2245.3	2675.3	2934.6	2573.5	2228.9	2094.3	2071.3
65°	13268.1	8557.6	1736.5	1907.2	2104.1	2481.6	2783.6	2442.2	2110.7	2008.9	1982.7
67.5°	9279.8	6010.3	1641.3	1805.4	1963.0	2294.5	2626.0	2320.8	1989.2	1913.7	1887.5
70°	4536.5	3187.4	1526.4	1687.2	1812.0	2104.1	2468.5	2173.0	1828.4	1785.7	1749.6
72.5°	2159.9	1782.4	1391.8	1526.4	1605.2	1851.4	2205.9	1959.7	1638.0	1546.1	1483.7
75°	1447.6	1267.1	1214.5	1336.0	1355.7	1552.6	1890.7	1690.5	1444.3	1339.3	1286.8
77.5°	1096.4	968.4	1020.9	1129.2	1089.8	1276.9	1555.9	1506.7	1303.2	1208.0	1181.7
80°	771.4	705.7	810.8	876.4	846.9	1086.5	1401.6	1290.0	1073.4	968.4	948.7
82.5°	485.8	472.7	597.4	607.3	617.1	860.0	1152.2	1014.3	833.8	686.1	636.8
85°	242.9	269.2	357.8	357.8	354.5	443.1	656.5	571.2	449.7	357.8	348.0
87.5°	82.1	114.9	154.3	124.7	95.2	75.5	85.3	105.0	111.6	108.3	108.3
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)