

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: P636325

Luminaire Tested: GWS-SA3F-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21302.2 lumens
Efficiency: N/A
Efficacy: 116.3 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

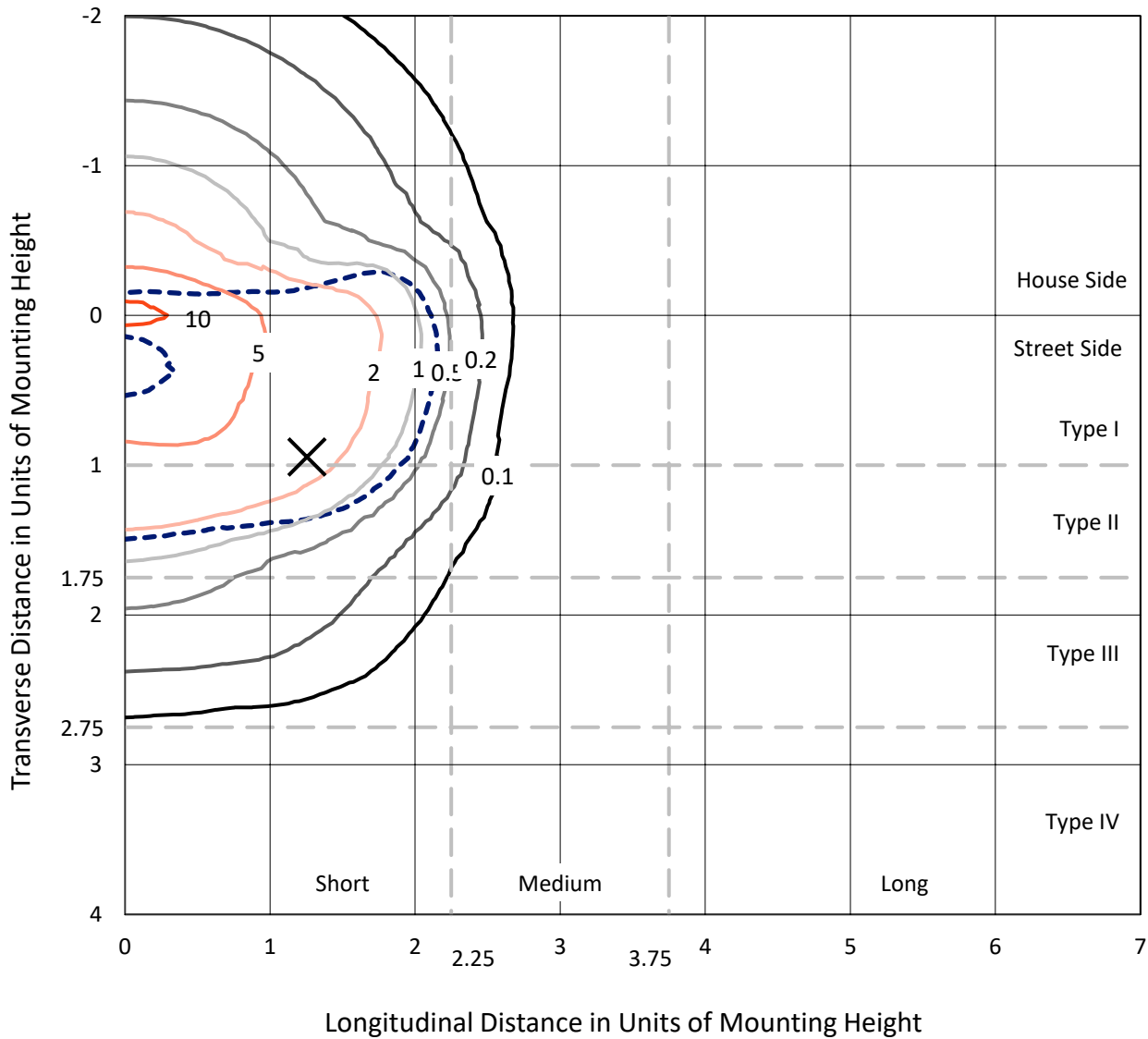
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

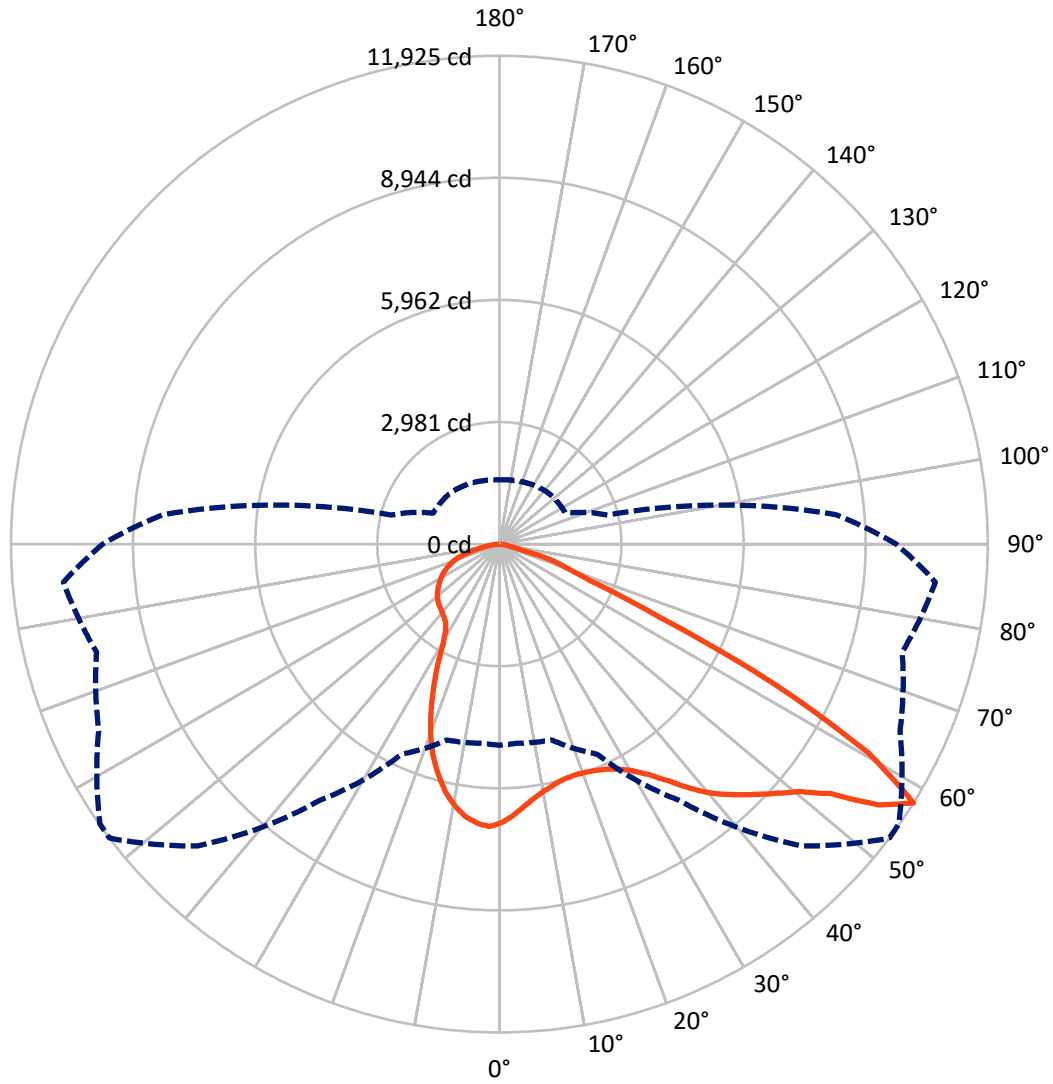
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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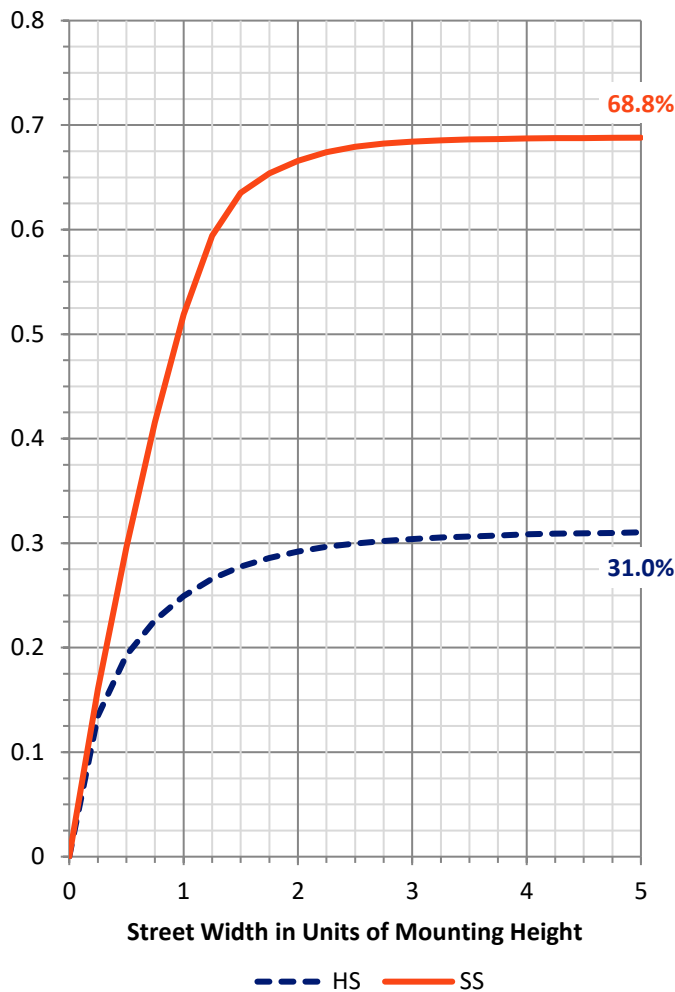
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6660.4	0.0	6660.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	14641.8	0.0	14641.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	21302.2	0.0	21302.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.1	2.9
10°-20°	1613.8	7.6
20°-30°	2377.8	11.2
30°-40°	3328.2	15.6
40°-50°	4375.2	20.5
50°-60°	5129.9	24.1
60°-70°	3022.1	14.2
70°-80°	751.8	3.5
80°-90°	88.2	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°	21302.2	100.0
0°-180°	21302.2	100.0

Coefficient of Utilization



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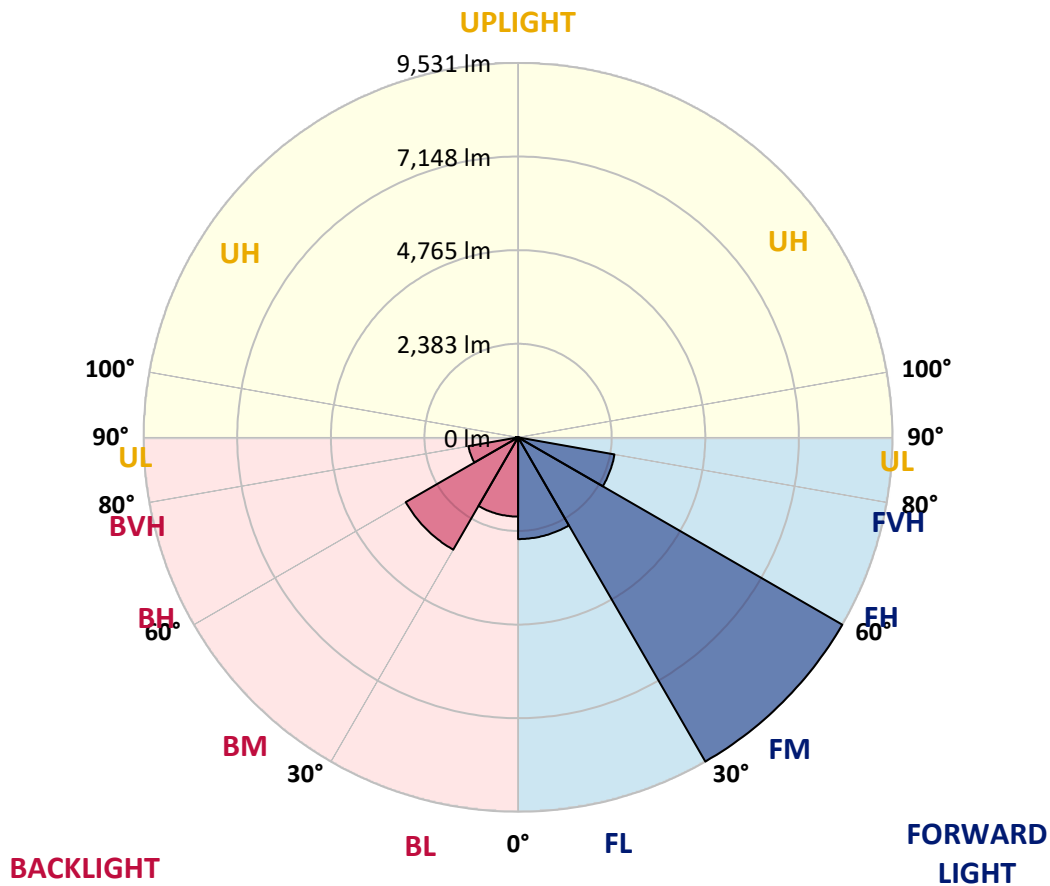
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2589.9	12.2			
FM (30°-60°)	9530.8	44.7			
FH (60°-80°)	2491.6	11.7			G2/5000
FVH (80°-90°)	29.5	0.1			G1/100
BL (0°-30°)	2016.8	9.5	B3/2500		
BM (30°-60°)	3302.6	15.5	B3/5000		
BH (60°-80°)	1282.4	6.0	B3/2500		G3/2500
BVH (80°-90°)	58.7	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°	53°	55°	65°	75°	85°
0°	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4
2.5°	6411.5	6429.4	6433.0	6488.6	6492.2	6572.9	6626.7	6615.9	6671.5	6739.6	6793.4
5°	6104.9	6106.7	6124.6	6191.0	6226.8	6332.6	6422.3	6422.3	6529.8	6669.7	6789.8
7.5°	5852.1	5850.3	5866.5	5940.0	5999.1	6126.4	6248.4	6262.7	6413.3	6617.7	6813.1
10°	5617.2	5629.8	5647.7	5737.4	5812.7	5970.4	6115.7	6139.0	6329.0	6581.8	6845.4
12.5°	5466.6	5468.4	5495.3	5595.7	5692.5	5861.1	6013.5	6042.2	6260.9	6547.8	6868.7
15°	5369.8	5371.6	5400.3	5511.5	5624.4	5794.7	5950.7	5983.0	6221.5	6542.4	6913.5
17.5°	5326.8	5325.0	5351.9	5463.1	5586.8	5764.3	5931.0	5970.4	6239.4	6583.6	6992.4
20°	5326.8	5328.6	5342.9	5443.3	5568.8	5757.1	5950.7	5999.1	6309.3	6676.9	7114.3
22.5°	5402.1	5409.3	5416.4	5484.6	5583.2	5767.8	6002.7	6067.3	6459.9	6832.8	7273.9
25°	5549.1	5550.9	5558.1	5613.7	5658.5	5798.3	6088.8	6185.6	6694.8	7060.5	7474.7
27.5°	5746.3	5771.4	5778.6	5814.5	5814.5	5873.6	6223.3	6363.1	7012.1	7388.7	7731.1
30°	6022.4	6031.4	6044.0	6083.4	6040.4	6015.3	6420.5	6599.8	7379.7	7784.9	8039.5
32.5°	6264.5	6284.2	6352.3	6416.9	6339.8	6260.9	6710.9	6922.5	7732.9	8197.3	8367.6
35°	6470.7	6519.1	6650.0	6793.4	6739.6	6660.7	7096.4	7316.9	8023.4	8493.1	8658.0
37.5°	6719.9	6757.5	6936.8	7169.9	7218.3	7180.7	7566.2	7723.9	8217.0	8568.4	8815.8
40°	6972.7	7030.1	7261.4	7584.1	7768.8	7795.6	8000.0	8105.8	8283.3	8421.4	8785.3
42.5°	7230.9	7329.5	7646.8	8023.4	8351.5	8412.4	8365.8	8410.6	8261.8	8218.8	8643.7
45°	7546.4	7663.0	8021.6	8502.1	8934.2	9029.2	8724.4	8683.1	8258.2	8141.7	8555.9
47.5°	7919.4	8035.9	8378.4	8937.7	9490.0	9559.9	9091.9	9016.6	8383.7	8260.0	8674.2
50°	8249.3	8329.9	8636.5	9262.3	10008.1	10049.4	9497.1	9405.7	8695.7	8588.1	9043.5
52.5°	7914.0	7905.0	8227.7	8998.7	10277.1	10773.7	10121.1	10033.2	9298.1	9133.2	9615.5
55°	6714.5	6612.3	6901.0	7659.4	9525.8	11417.4	11239.9	11064.2	10101.4	9681.8	10151.6
57.5°	4909.0	4880.3	4950.3	5662.1	7630.7	10420.5	11924.8	11908.6	10795.2	10183.8	10685.8
60°	3838.7	3795.6	3609.2	3628.9	5201.3	8139.9	10348.8	10823.9	11225.5	10485.0	11058.8
62.5°	3408.4	3376.1	3279.3	3012.1	3098.2	5457.7	7585.9	8021.6	9809.1	9260.5	9498.9
65°	2822.1	2813.1	2893.8	2883.0	2596.2	3013.9	4281.5	4720.8	6167.7	6244.8	6167.7
67.5°	2051.1	2035.0	2239.4	2642.8	2499.3	2275.2	2386.4	2538.8	3162.7	2840.0	2556.7
70°	1333.9	1310.6	1429.0	1909.5	2237.6	1983.0	1719.4	1694.3	1739.1	1081.1	1169.0
72.5°	894.7	867.8	866.0	1050.7	1351.9	1335.7	1332.1	1319.6	1178.0	853.4	946.7
75°	498.4	476.9	471.5	453.6	484.1	493.1	525.3	543.3	588.1	647.2	717.2
77.5°	84.3	82.5	104.0	132.7	182.9	234.9	290.5	306.6	378.3	448.2	493.1
80°	46.6	48.4	62.8	77.1	102.2	139.8	179.3	190.1	233.1	270.7	306.6
82.5°	25.1	25.1	32.3	41.2	55.6	73.5	96.8	105.8	134.5	157.8	182.9
85°	9.0	9.0	12.6	16.1	23.3	30.5	37.7	43.0	59.2	80.7	91.4
87.5°	0.0	0.0	0.0	0.0	1.8	3.6	7.2	7.2	9.0	16.1	23.3
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°	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4	6802.4
2.5°	6838.2	6789.8	6856.2	6886.6	6897.4	6904.6	6857.9	6825.7	6814.9	6780.9	6761.1
5°	6863.3	6831.1	6893.8	6893.8	6849.0	6802.4	6707.3	6641.0	6594.4	6538.8	6529.8
7.5°	6906.4	6883.0	6917.1	6847.2	6734.2	6608.7	6443.8	6314.7	6210.7	6142.6	6144.4
10°	6963.7	6935.0	6908.2	6752.2	6546.0	6314.7	6061.9	5873.6	5701.5	5622.6	5579.6
12.5°	7001.4	6960.1	6847.2	6589.0	6286.0	5975.8	5619.0	5339.3	5090.1	4977.2	4968.2
15°	7048.0	6972.7	6746.8	6377.4	5956.1	5533.0	5074.0	4684.9	4347.8	4172.1	4163.2
17.5°	7109.0	6985.2	6626.7	6135.4	5608.3	4984.3	4407.0	3917.5	3559.0	3422.7	3446.0
20°	7195.0	6999.6	6490.4	5866.5	5176.2	4360.4	3641.4	3191.4	3053.4	3044.4	3026.5
22.5°	7291.8	7008.6	6339.8	5565.2	4652.6	3695.2	3008.5	2816.7	2814.9	2859.7	2870.5
25°	7401.2	7015.7	6169.5	5213.8	4086.1	3031.8	2660.7	2603.3	2648.2	2732.4	2743.2
27.5°	7541.1	7030.1	5963.3	4828.4	3483.7	2619.5	2468.9	2454.5	2508.3	2587.2	2583.6
30°	7747.2	7082.1	5744.5	4385.5	2865.1	2424.0	2352.3	2354.1	2375.6	2413.3	2418.7
32.5°	7957.0	7162.7	5531.2	3887.1	2510.1	2312.9	2280.6	2277.0	2277.0	2293.2	2296.7
35°	8156.0	7254.2	5299.9	3367.1	2338.0	2248.3	2226.8	2216.1	2210.7	2207.1	2201.7
37.5°	8267.2	7299.0	5074.0	2854.3	2246.5	2205.3	2183.8	2169.4	2149.7	2135.4	2131.8
40°	8218.8	7247.0	4812.2	2470.7	2191.0	2164.1	2139.0	2119.2	2092.3	2079.8	2072.6
42.5°	8057.4	7085.7	4527.1	2289.6	2146.1	2119.2	2088.8	2056.5	2038.6	2027.8	2026.0
45°	7887.1	6890.2	4182.9	2183.8	2103.1	2070.8	2035.0	1999.1	1979.4	1974.0	1972.2
47.5°	7881.7	6793.4	3817.1	2099.5	2051.1	2018.8	1974.0	1938.2	1916.6	1909.5	1902.3
50°	8118.4	6892.0	3404.8	2026.0	1997.3	1963.3	1913.1	1873.6	1846.7	1837.8	1836.0
52.5°	8609.6	7263.2	3035.4	1952.5	1925.6	1886.2	1844.9	1805.5	1773.2	1757.1	1755.3
55°	9140.3	7734.7	2805.9	1877.2	1841.3	1807.3	1769.6	1726.6	1690.7	1665.6	1662.0
57.5°	9689.0	8249.3	2736.0	1782.2	1755.3	1732.0	1687.1	1640.5	1599.3	1576.0	1570.6
60°	10140.8	8692.1	2866.9	1681.8	1667.4	1636.9	1595.7	1550.9	1522.2	1504.3	1500.7
62.5°	8489.5	7076.7	2314.7	1572.4	1572.4	1540.1	1493.5	1461.2	1441.5	1429.0	1425.4
65°	5387.7	4381.9	1579.6	1463.0	1461.2	1418.2	1378.8	1357.2	1348.3	1328.6	1325.0
67.5°	2346.9	2002.7	1350.1	1351.9	1344.7	1298.1	1258.6	1242.5	1224.6	1203.1	1201.3
70°	1217.4	1240.7	1208.4	1228.2	1215.6	1160.0	1122.4	1097.3	1059.6	1038.1	1039.9
72.5°	982.5	1007.6	1043.5	1074.0	1047.1	1002.2	943.1	912.6	864.2	840.9	842.7
75°	749.4	776.3	810.4	842.7	821.2	765.6	727.9	697.4	641.9	615.0	620.4
77.5°	516.4	530.7	571.9	570.2	563.0	546.8	491.3	455.4	398.0	365.8	369.3
80°	320.9	329.9	349.6	358.6	355.0	333.5	288.7	261.8	227.7	208.0	209.8
82.5°	193.6	199.0	216.9	218.7	216.9	200.8	166.7	147.0	125.5	114.7	114.7
85°	98.6	102.2	113.0	113.0	102.2	86.1	77.1	68.1	55.6	50.2	50.2
87.5°	26.9	26.9	34.1	28.7	23.3	21.5	10.8	9.0	3.6	1.8	1.8
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)