

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: P641336

Luminaire Tested: GWS-SA5F-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41259.9 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

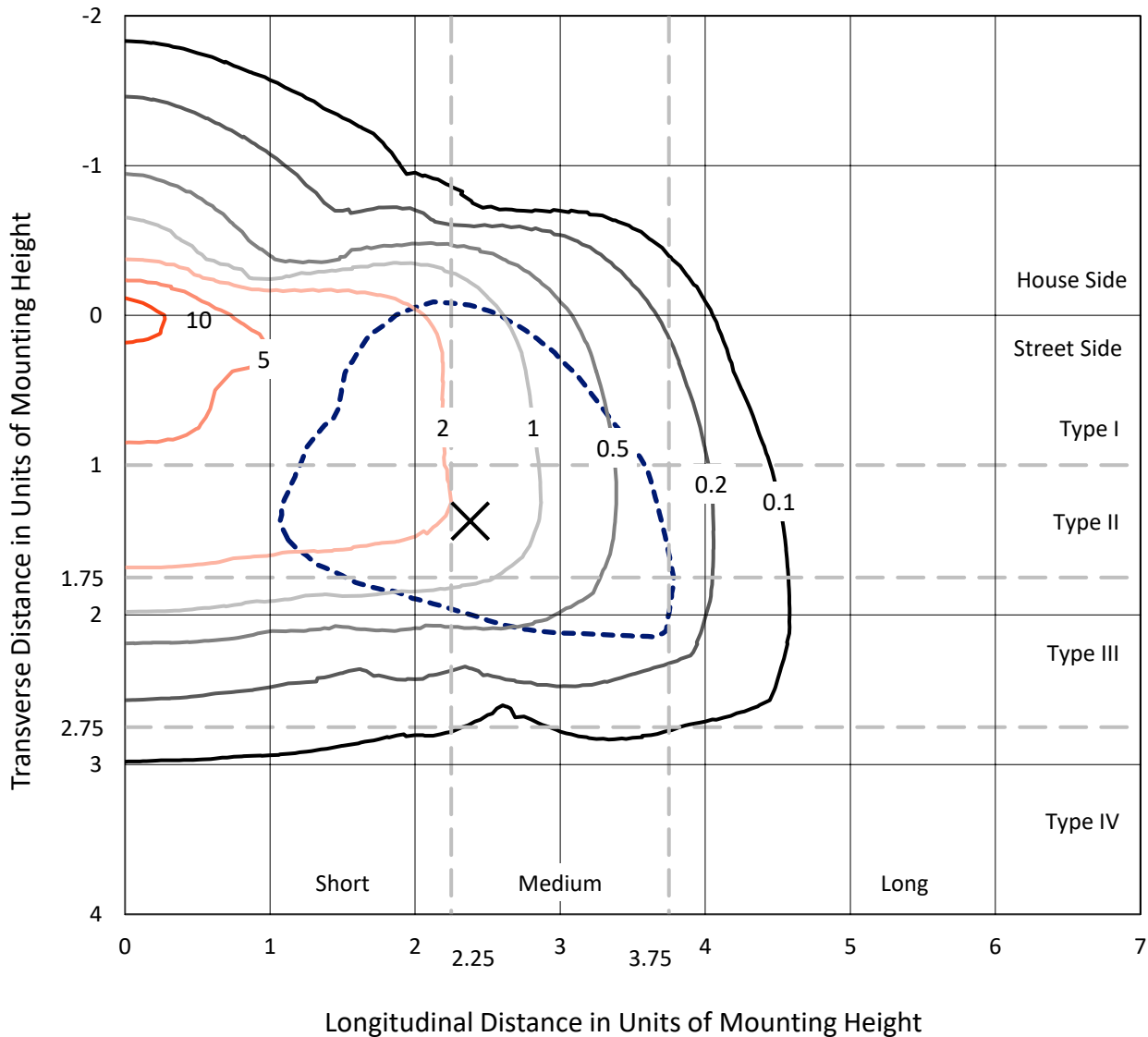
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

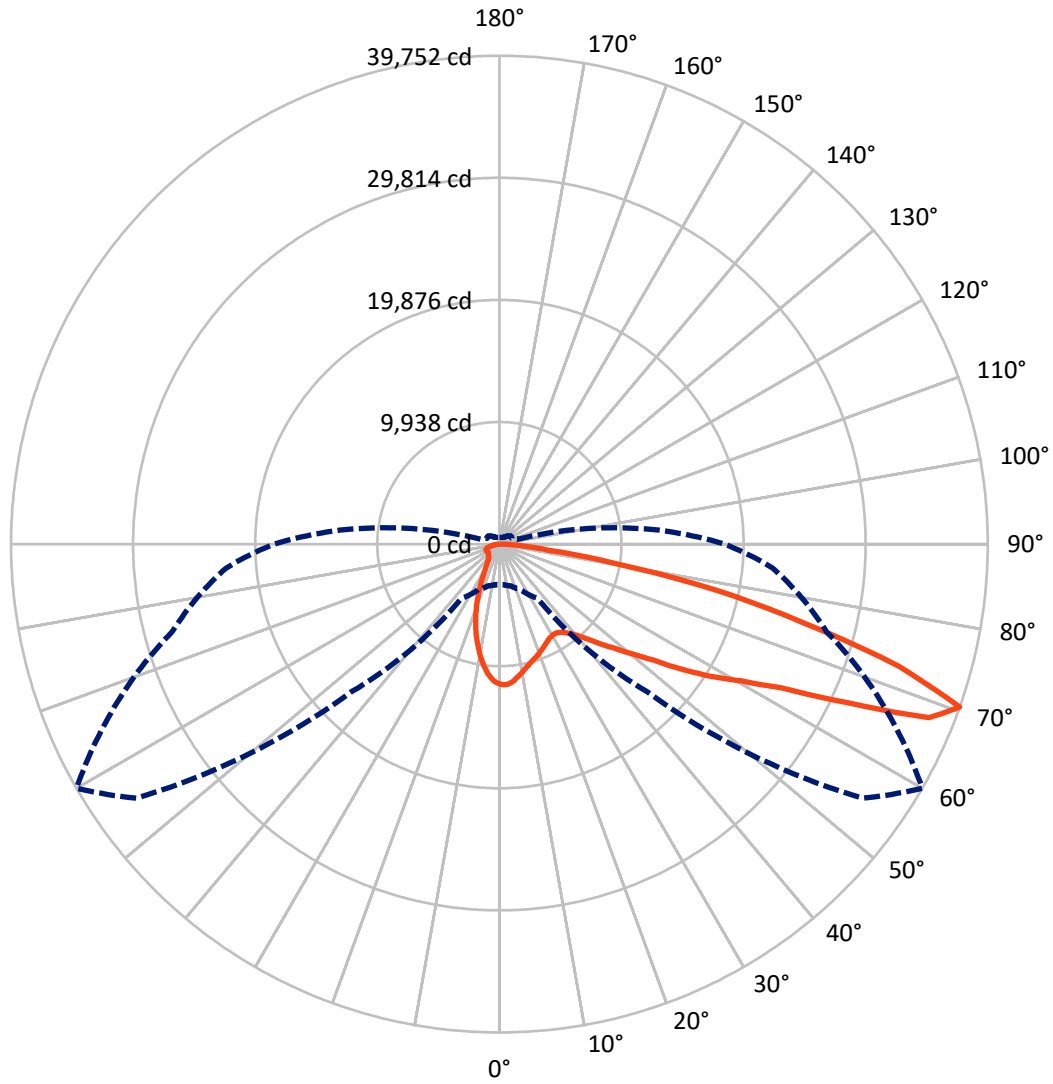
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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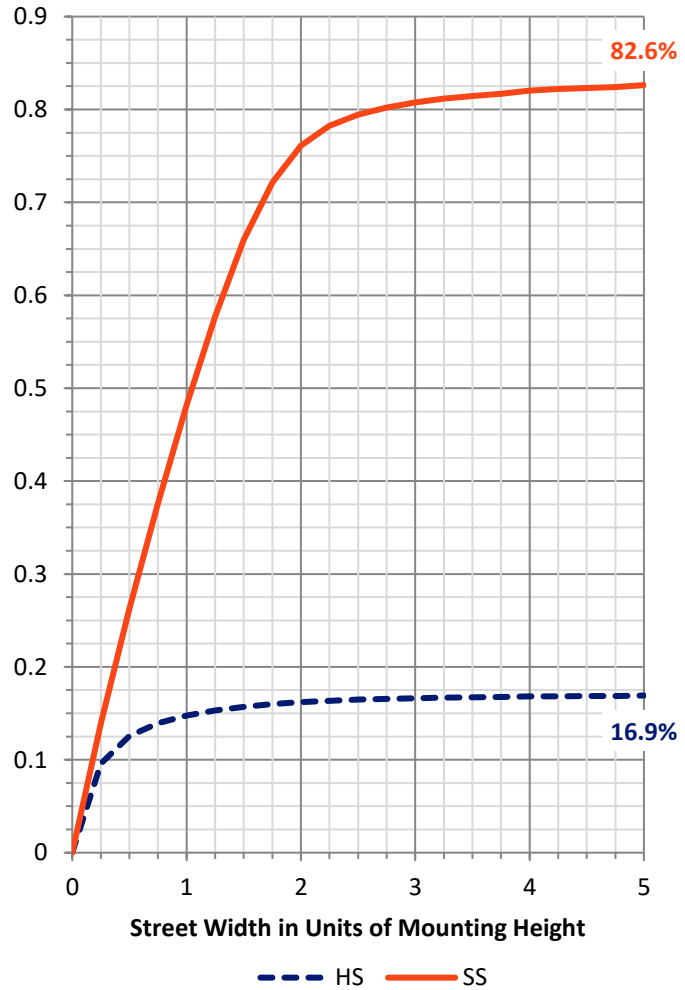
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7056.4	0.0	7056.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	34203.5	0.0	34203.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	41259.9	0.0	41259.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	984.1	2.4
10°-20°	2204.7	5.3
20°-30°	2823.5	6.8
30°-40°	3710.8	9.0
40°-50°	5383.8	13.0
50°-60°	8399.9	20.4
60°-70°	10997.2	26.7
70°-80°	6081.1	14.7
80°-90°	674.9	1.6
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°	41259.9	100.0
0°-180°	41259.9	100.0

Coefficient of Utilization



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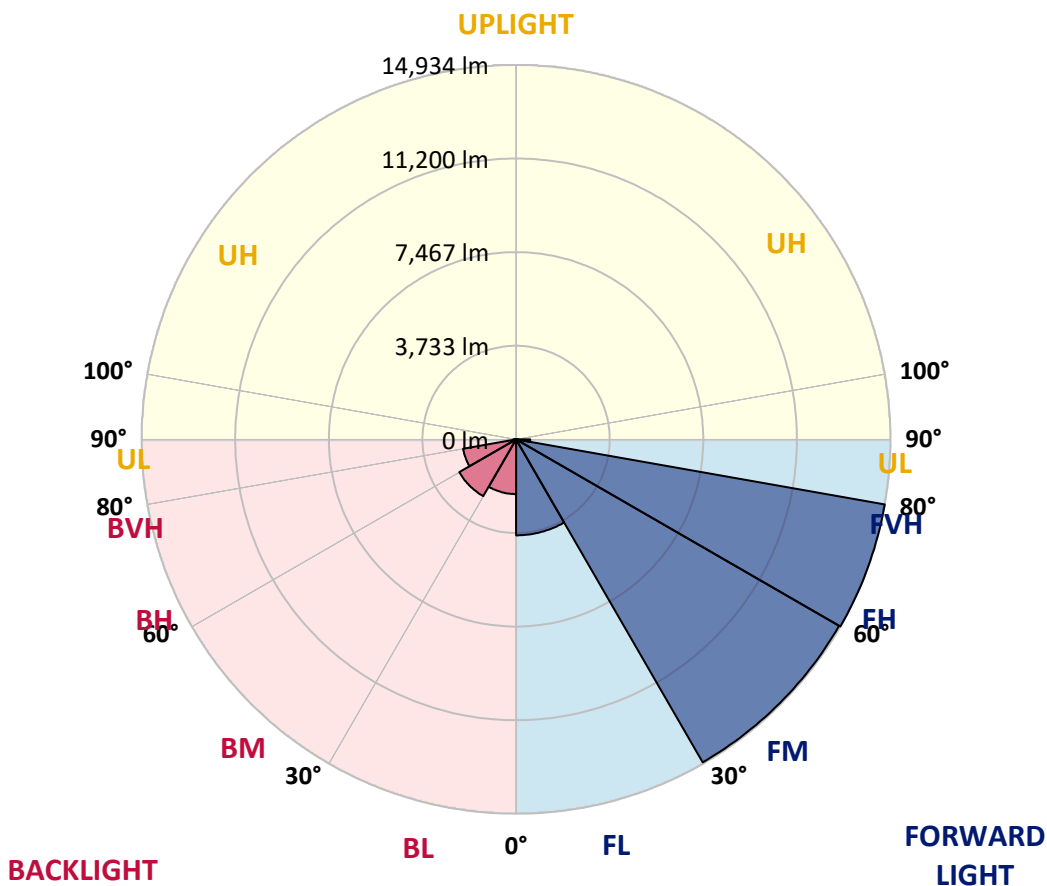
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3829.2	9.3			
FM (30°-60°)	14878.2	36.1			
FH (60°-80°)	14933.8	36.2			G5
FVH (80°-90°)	562.3	1.4			G4/750
BL (0°-30°)	2183.2	5.3	B3/2500		
BM (30°-60°)	2616.3	6.3	B3/5000		
BH (60°-80°)	2144.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	112.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1
2.5°	11257.2	11269.2	11302.4	11350.7	11399.0	11423.2	11483.6	11465.4	11453.4	11429.2	11399.0
5°	10759.0	10783.2	10813.4	10907.0	11012.6	11097.2	11233.0	11248.1	11254.1	11266.2	11217.9
7.5°	10125.1	10131.1	10203.6	10327.4	10466.2	10611.1	10837.5	10900.9	10955.3	11015.6	10976.4
10°	9424.7	9439.8	9494.2	9672.3	9910.8	10125.1	10430.0	10535.7	10650.4	10783.2	10728.9
12.5°	8851.2	8854.2	8941.7	9131.9	9391.5	9681.3	10061.7	10188.5	10339.4	10547.7	10499.4
15°	8395.3	8395.3	8476.8	8639.8	8938.7	9279.8	9732.7	9895.7	10100.9	10381.7	10297.2
17.5°	8033.1	8036.1	8087.4	8259.5	8525.1	8902.5	9439.8	9660.2	9886.6	10257.9	10131.1
20°	7842.9	7827.8	7836.8	7942.5	8168.9	8534.2	9147.0	9403.6	9708.5	10173.4	9980.2
22.5°	7833.8	7806.6	7767.4	7776.5	7909.3	8211.2	8833.0	9144.0	9527.4	10104.0	9826.2
25°	7987.8	7957.6	7888.2	7809.7	7797.6	7978.7	8537.2	8890.4	9340.2	10073.8	9678.3
27.5°	8247.4	8226.3	8135.7	8018.0	7894.2	7888.2	8313.8	8682.1	9204.4	10104.0	9572.7
30°	8591.5	8555.3	8498.0	8347.0	8159.8	7966.6	8226.3	8570.4	9113.8	10200.6	9527.4
32.5°	8981.0	8959.8	8905.5	8754.6	8555.3	8247.4	8295.7	8594.6	9113.8	10369.6	9536.4
35°	9394.5	9391.5	9391.5	9291.9	9071.5	8688.1	8570.4	8799.8	9252.7	10641.3	9633.0
37.5°	9796.0	9793.0	9889.6	9925.9	9675.3	9261.7	9038.3	9210.4	9557.6	11042.8	9871.5
40°	10122.1	10134.2	10345.5	10526.6	10387.7	10004.3	9690.4	9777.9	10052.6	11613.4	10288.1
42.5°	10451.1	10484.3	10801.3	11121.3	11175.6	10843.6	10526.6	10577.9	10762.1	12368.1	10910.0
45°	10810.4	10825.5	11269.2	11716.0	11978.6	11782.4	11522.8	11592.2	11634.5	13300.9	11836.8
47.5°	11157.5	11196.8	11770.3	12383.2	12881.3	12863.2	12718.3	12697.1	12706.2	14436.0	12932.6
50°	11631.5	11688.8	12362.0	13101.6	13832.2	14167.3	14209.5	14049.6	13983.1	15697.8	14297.1
52.5°	12531.1	12531.1	13134.9	13862.4	14843.5	15673.7	15957.4	15694.8	15483.5	17032.1	15746.1
55°	13657.1	13705.4	14185.4	14774.1	16017.8	17258.6	18218.5	17928.7	17331.0	18484.2	17264.6
57.5°	14158.2	14218.6	14979.3	15894.0	17554.4	19060.8	20392.1	20289.4	19417.0	19993.6	18840.4
60°	13252.6	13379.4	14426.9	15960.5	18946.1	21967.9	22906.7	22607.9	21361.1	21578.5	20549.1
62.5°	11054.9	11193.8	12356.0	14496.3	18752.9	25110.5	26870.4	25768.6	23788.2	23579.9	22825.2
65°	6596.1	6590.1	7987.8	10825.5	16371.0	25982.9	33143.5	31087.7	27537.6	26327.1	25167.8
67.5°	4193.1	4184.1	4476.9	5735.7	10894.9	23845.6	37176.7	37711.0	32630.3	28346.6	25361.0
70°	3308.6	3305.6	3516.9	4090.5	5388.6	16968.7	36053.7	39751.7	35706.5	27576.9	22330.2
72.5°	2412.0	2418.1	2744.1	3426.4	4156.9	8519.1	29194.9	34013.0	32841.7	24343.7	18128.0
75°	1732.8	1741.9	1938.1	2623.3	3833.9	4658.0	19414.0	25575.4	24986.7	19513.6	12470.7
77.5°	1101.9	1113.9	1286.0	1838.5	3097.3	3761.4	11770.3	18055.5	16624.6	10994.5	4434.6
80°	673.2	712.4	857.3	1370.5	2475.4	2822.6	5883.7	9512.3	8325.9	3015.8	1491.3
82.5°	347.2	377.4	516.2	848.3	1705.6	2478.4	3329.8	3996.9	2578.1	1261.9	793.9
85°	108.7	126.8	181.1	344.1	812.1	1536.6	2203.7	1986.4	1183.4	594.7	368.3
87.5°	27.2	27.2	30.2	30.2	33.2	69.4	425.7	449.8	314.0	187.2	150.9
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°	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1	11417.1
2.5°	11338.7	11266.2	11236.0	11233.0	11157.5	11048.9	10976.4	10925.1	10894.9	10888.9	10888.9
5°	11136.4	11042.8	10919.0	10825.5	10623.2	10417.9	10245.8	10149.2	10037.6	10022.5	10019.4
7.5°	10867.7	10731.9	10496.4	10233.8	9880.6	9539.4	9249.6	9053.4	8857.2	8821.0	8808.9
10°	10577.9	10393.8	9992.3	9530.4	9002.1	8491.9	8048.2	7701.0	7471.6	7308.5	7278.4
12.5°	10291.1	10046.6	9457.9	8769.6	8045.1	7347.8	6680.6	6113.1	5702.5	5464.1	5421.8
15°	10022.5	9681.3	8875.3	7996.8	7055.0	6101.0	5156.1	4419.5	3842.9	3637.7	3589.4
17.5°	9777.9	9352.3	8310.8	7196.8	6022.5	4775.8	3701.1	3046.0	2707.9	2605.2	2581.1
20°	9533.4	9014.2	7737.2	6354.6	4926.7	3529.0	2704.9	2396.9	2270.1	2230.9	2218.8
22.5°	9270.8	8642.9	7112.3	5524.4	3818.8	2641.5	2212.8	2076.9	2037.7	2040.7	2037.7
25°	9008.1	8265.5	6457.2	4621.8	2843.7	2143.4	1932.0	1880.7	1889.8	1916.9	1923.0
27.5°	8790.8	7930.4	5814.2	3631.6	2221.8	1844.5	1744.9	1741.9	1775.1	1811.3	1817.3
30°	8633.8	7631.6	5180.3	2792.4	1829.4	1639.2	1600.0	1618.1	1657.3	1684.5	1693.6
32.5°	8522.1	7375.0	4504.1	2194.7	1603.0	1494.3	1476.2	1494.3	1518.5	1545.6	1551.7
35°	8482.9	7187.8	3839.9	1790.2	1449.0	1388.7	1376.6	1385.6	1397.7	1412.8	1418.8
37.5°	8570.4	7094.2	3145.6	1557.7	1355.4	1319.2	1301.1	1295.1	1298.1	1304.1	1307.1
40°	8830.0	7136.5	2578.1	1421.9	1295.1	1261.9	1231.7	1219.6	1216.6	1222.6	1219.6
42.5°	9276.8	7314.6	2167.5	1343.4	1246.8	1198.5	1165.3	1153.2	1153.2	1168.3	1168.3
45°	9931.9	7664.8	1871.7	1286.0	1204.5	1144.1	1107.9	1101.9	1113.9	1138.1	1141.1
47.5°	10891.9	8178.0	1693.6	1243.8	1165.3	1095.8	1059.6	1056.6	1080.7	1120.0	1123.0
50°	12030.0	8917.6	1597.0	1213.6	1138.1	1056.6	1020.4	1023.4	1050.5	1092.8	1101.9
52.5°	13400.5	9925.9	1603.0	1201.5	1123.0	1032.4	996.2	990.2	1017.3	1059.6	1068.7
55°	14816.3	11151.5	1720.7	1204.5	1101.9	1020.4	972.1	950.9	975.1	1005.3	1008.3
57.5°	16374.0	12534.1	2013.5	1198.5	1074.7	1008.3	950.9	902.6	917.7	935.8	944.9
60°	18131.0	14161.2	2644.5	1210.5	1062.6	981.1	908.7	845.3	842.2	854.3	857.3
62.5°	20479.6	16374.0	3353.9	1231.7	1089.8	947.9	845.3	778.9	766.8	772.8	775.8
65°	22275.8	17430.6	3130.5	1213.6	1147.1	923.8	784.9	715.5	691.3	685.3	685.3
67.5°	21545.3	16032.9	2179.6	1165.3	1174.3	926.8	736.6	649.0	618.9	603.8	600.7
70°	18333.2	13023.2	1515.4	1117.0	1144.1	920.7	685.3	594.7	555.5	534.3	531.3
72.5°	14484.3	9944.0	1225.6	1020.4	1038.5	830.2	609.8	534.3	501.1	474.0	474.0
75°	9322.1	6067.8	1023.4	908.7	848.3	646.0	528.3	477.0	443.8	416.6	416.6
77.5°	3136.5	2252.0	793.9	769.8	634.0	486.0	443.8	410.6	383.4	359.2	356.2
80°	1273.9	1068.7	582.6	582.6	443.8	371.3	347.2	332.1	314.0	283.8	283.8
82.5°	739.6	649.0	407.5	353.2	295.8	256.6	241.5	226.4	226.4	205.3	205.3
85°	356.2	359.2	244.5	217.4	169.1	147.9	141.9	132.8	129.8	117.7	114.7
87.5°	193.2	196.2	123.8	96.6	66.4	57.4	48.3	45.3	42.3	39.2	39.2
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)