

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: P643426

Luminaire Tested: GWS-SA6E-830-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643426
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-SAGE-830-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34842.8 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - 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

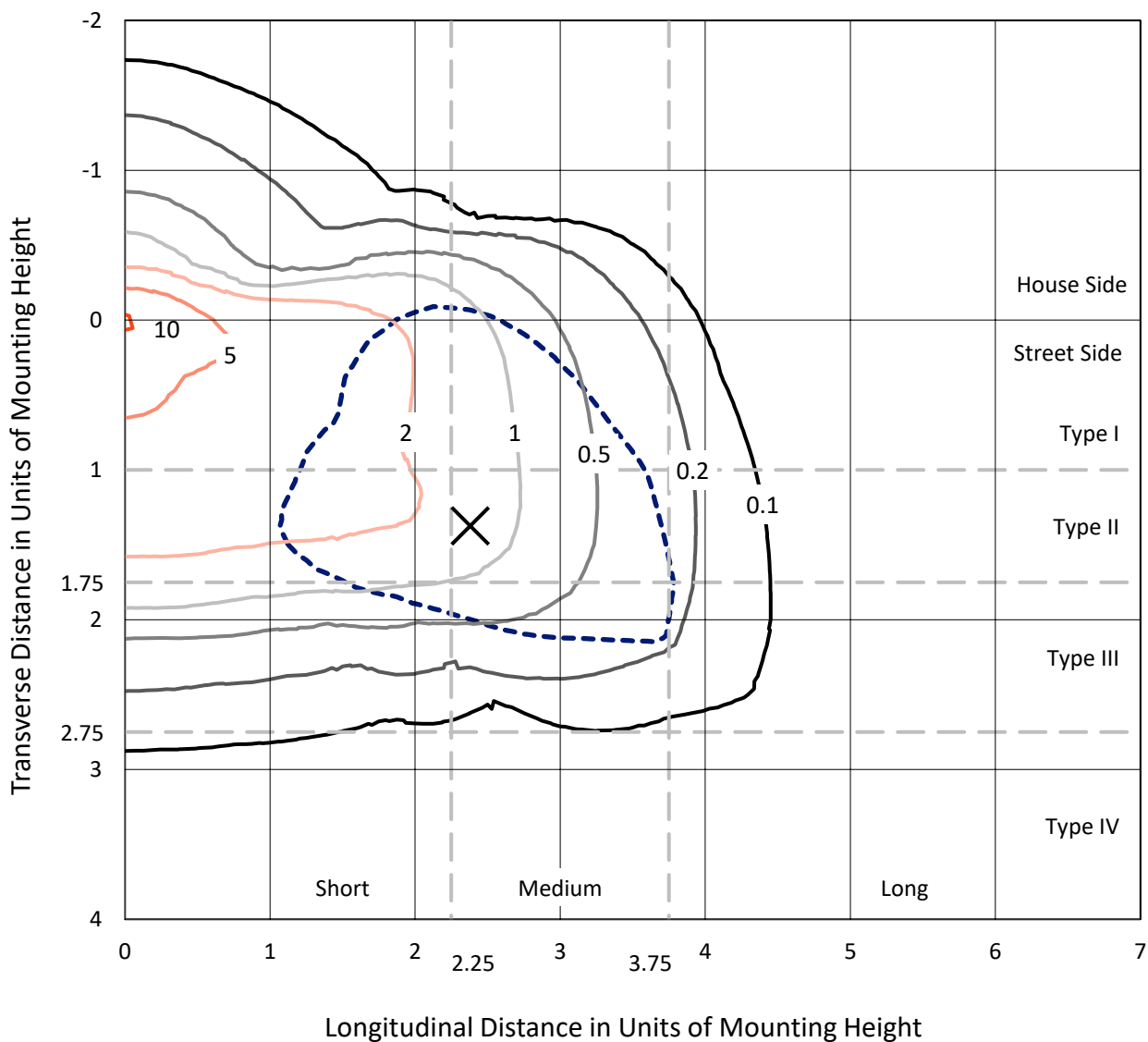


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Iso-Footcandle Lines of Horizontal Illumination

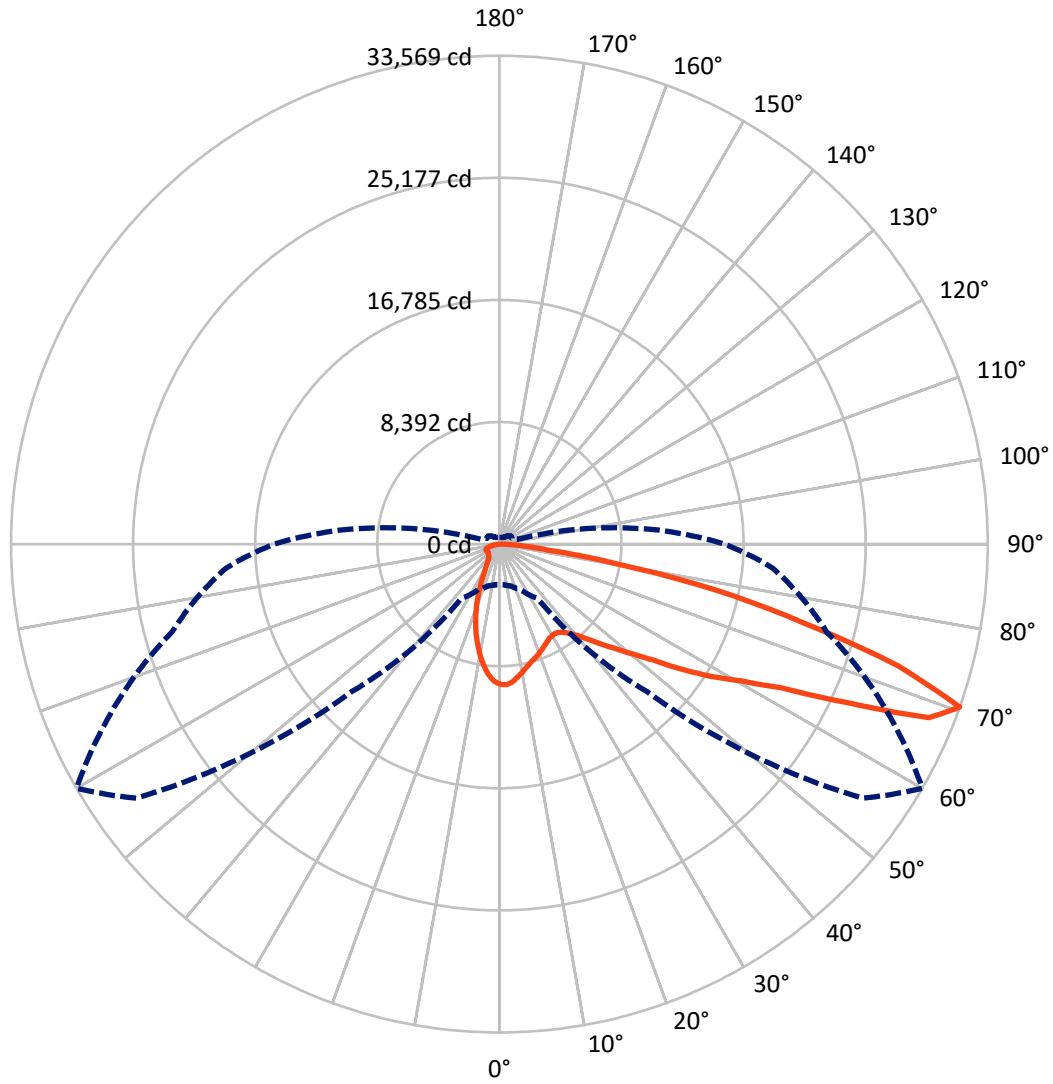
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.7 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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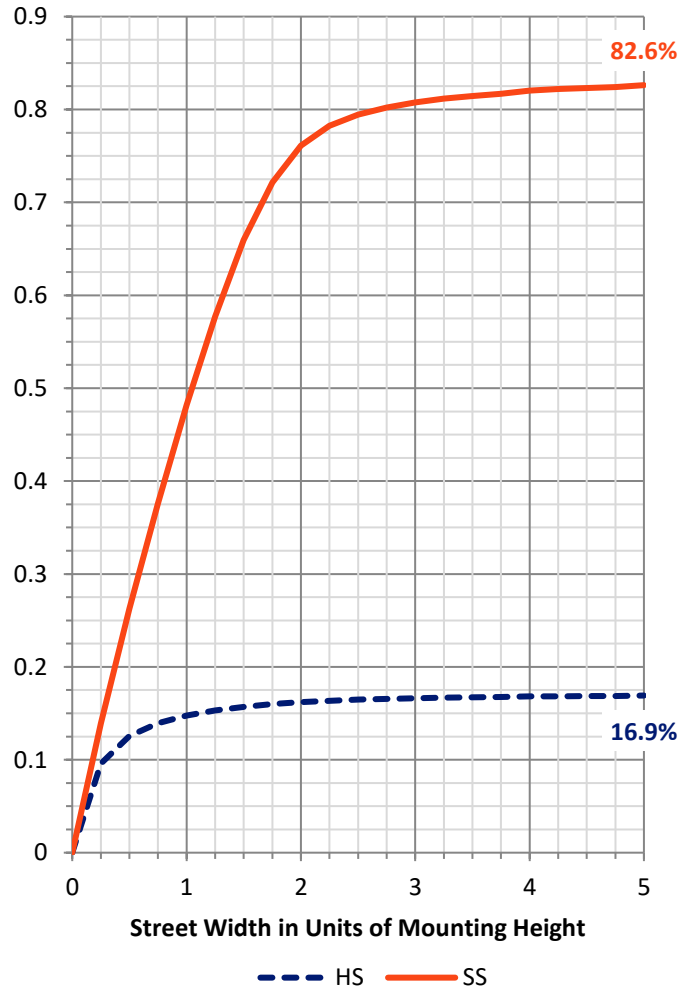
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5958.9	0.0	5958.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	28883.9	0.0	28883.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	34842.8	0.0	34842.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.0	2.4
10°-20°	1861.8	5.3
20°-30°	2384.4	6.8
30°-40°	3133.7	9.0
40°-50°	4546.4	13.0
50°-60°	7093.5	20.4
60°-70°	9286.8	26.7
70°-80°	5135.3	14.7
80°-90°	569.9	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°	34842.8	100.0
0°-180°	34842.8	100.0

Coefficient of Utilization



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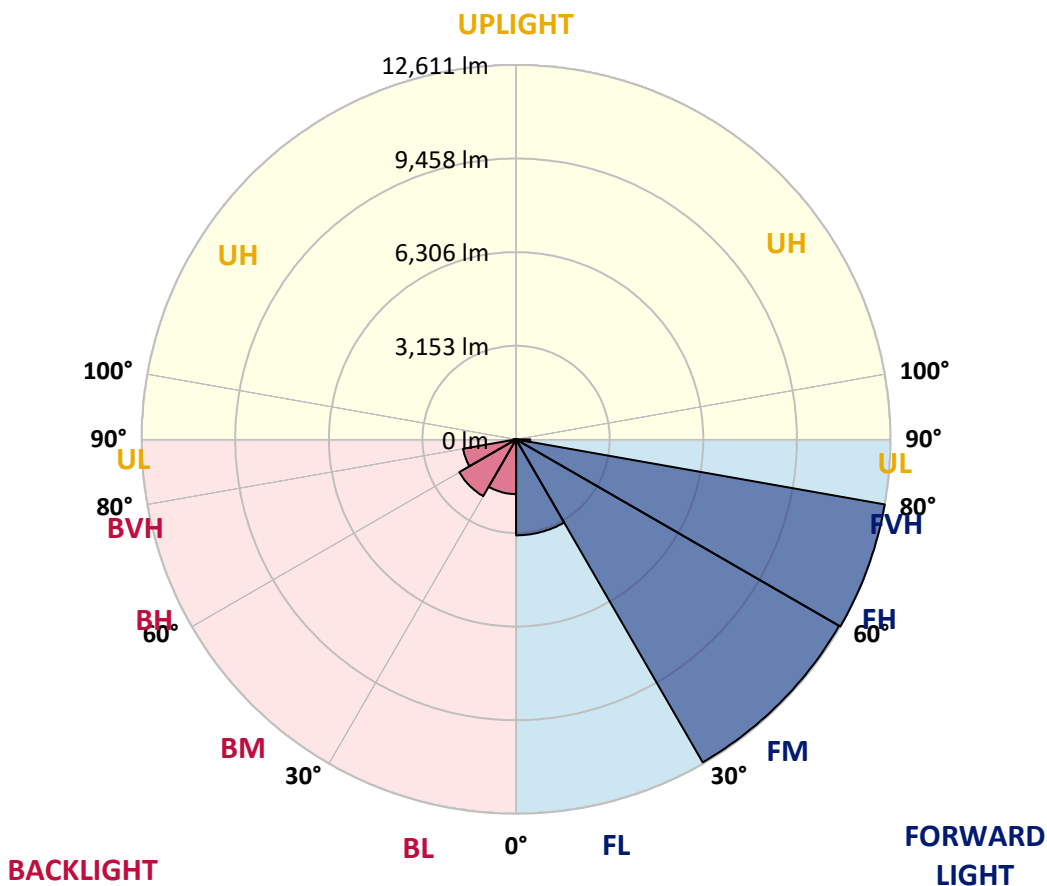
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3233.6	9.3			
FM (30°-60°)	12564.2	36.1			
FH (60°-80°)	12611.2	36.2			G5
FVH (80°-90°)	474.9	1.4			G3/500
BL (0°-30°)	1843.6	5.3	B3/2500		
BM (30°-60°)	2209.4	6.3	B2/2500		
BH (60°-80°)	1810.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	95.0	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-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5
2.5°	9506.3	9516.5	9544.6	9585.4	9626.2	9646.6	9697.5	9682.2	9672.0	9651.7	9626.2
5°	9085.7	9106.1	9131.6	9210.6	9299.8	9371.2	9485.9	9498.7	9503.8	9514.0	9473.2
7.5°	8550.4	8555.5	8616.6	8721.2	8838.4	8960.8	9152.0	9205.5	9251.4	9302.4	9269.3
10°	7958.9	7971.7	8017.5	8168.0	8369.4	8550.4	8807.8	8897.1	8993.9	9106.1	9060.2
12.5°	7474.5	7477.1	7551.0	7711.6	7930.9	8175.6	8496.8	8603.9	8731.4	8907.3	8866.5
15°	7089.6	7089.6	7158.4	7296.1	7548.5	7836.5	8218.9	8356.6	8530.0	8767.0	8695.7
17.5°	6783.7	6786.2	6829.6	6974.9	7199.2	7517.9	7971.7	8157.8	8349.0	8662.5	8555.5
20°	6623.1	6610.3	6618.0	6707.2	6898.4	7206.9	7724.4	7941.1	8198.5	8591.1	8428.0
22.5°	6615.4	6592.5	6559.3	6567.0	6679.2	6934.1	7459.3	7721.8	8045.6	8532.5	8298.0
25°	6745.4	6720.0	6661.3	6595.0	6584.8	6737.8	7209.4	7507.7	7887.5	8507.0	8173.1
27.5°	6964.7	6946.8	6870.4	6770.9	6666.4	6661.3	7020.8	7331.8	7772.8	8532.5	8083.8
30°	7255.3	7224.7	7176.3	7048.8	6890.8	6727.6	6946.8	7237.5	7696.3	8614.1	8045.6
32.5°	7584.2	7566.3	7520.4	7393.0	7224.7	6964.7	7005.5	7257.9	7696.3	8756.8	8053.2
35°	7933.4	7930.9	7930.9	7846.7	7660.6	7336.9	7237.5	7431.2	7813.6	8986.3	8134.8
37.5°	8272.5	8269.9	8351.5	8382.1	8170.5	7821.3	7632.6	7777.9	8071.1	9325.3	8336.2
40°	8547.8	8558.0	8736.5	8889.4	8772.1	8448.4	8183.3	8257.2	8489.2	9807.2	8688.0
42.5°	8825.7	8853.7	9121.4	9391.6	9437.5	9157.1	8889.4	8932.7	9088.3	10444.5	9213.2
45°	9129.0	9141.8	9516.5	9893.8	10115.6	9949.9	9730.7	9789.3	9825.0	11232.2	9995.8
47.5°	9422.2	9455.4	9939.7	10457.2	10877.9	10862.6	10740.2	10722.4	10730.0	12190.8	10921.2
50°	9822.5	9870.9	10439.4	11064.0	11680.9	11963.9	11999.6	11864.4	11808.4	13256.4	12073.5
52.5°	10582.1	10582.1	11092.0	11706.4	12534.9	13236.0	13475.6	13253.8	13075.4	14383.2	13297.2
55°	11533.0	11573.8	11979.2	12476.3	13526.6	14574.3	15385.0	15140.3	14635.5	15609.4	14579.4
57.5°	11956.2	12007.2	12649.6	13422.1	14824.2	16096.3	17220.5	17133.8	16397.1	16884.0	15910.2
60°	11191.4	11298.5	12183.1	13478.2	15999.4	18551.3	19344.1	19091.7	18038.8	18222.4	17353.1
62.5°	9335.5	9452.8	10434.3	12241.7	15836.3	21205.1	22691.3	21760.8	20088.5	19912.6	19275.3
65°	5570.2	5565.1	6745.4	9141.8	13824.9	21941.8	27988.8	26252.7	23254.7	22232.4	21253.5
67.5°	3541.0	3533.3	3780.6	4843.7	9200.4	20136.9	31394.6	31845.9	27555.4	23937.9	21416.7
70°	2794.0	2791.5	2969.9	3454.3	4550.5	14329.6	30446.3	33569.2	30153.1	23287.9	18857.2
72.5°	2036.9	2042.0	2317.3	2893.5	3510.4	7194.1	24654.3	28723.0	27733.8	20557.6	15308.5
75°	1463.3	1470.9	1636.7	2215.3	3237.6	3933.6	16394.6	21597.7	21100.6	16478.7	10531.2
77.5°	930.5	940.7	1086.0	1552.5	2615.6	3176.4	9939.7	15247.4	14039.0	9284.6	3744.9
80°	568.5	601.6	724.0	1157.4	2090.4	2383.6	4968.6	8032.8	7031.0	2546.8	1259.4
82.5°	293.2	318.7	435.9	716.4	1440.4	2093.0	2811.9	3375.3	2177.1	1065.6	670.5
85°	91.8	107.1	153.0	290.6	685.8	1297.6	1861.0	1677.4	999.3	502.2	311.0
87.5°	22.9	22.9	25.5	25.5	28.0	58.6	359.5	379.8	265.1	158.1	127.5
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°	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5	9641.5
2.5°	9575.2	9514.0	9488.5	9485.9	9422.2	9330.4	9269.3	9225.9	9200.4	9195.3	9195.3
5°	9404.4	9325.3	9220.8	9141.8	8971.0	8797.6	8652.3	8570.7	8476.4	8463.7	8461.1
7.5°	9177.5	9062.8	8863.9	8642.1	8343.9	8055.8	7811.1	7645.4	7479.6	7449.1	7438.9
10°	8932.7	8777.2	8438.2	8048.1	7602.0	7171.2	6796.4	6503.3	6309.5	6171.9	6146.4
12.5°	8690.6	8484.1	7987.0	7405.7	6793.9	6205.0	5641.6	5162.3	4815.6	4614.2	4578.5
15°	8463.7	8175.6	7494.9	6753.1	5957.7	5152.1	4354.2	3732.2	3245.3	3071.9	3031.1
17.5°	8257.2	7897.7	7018.2	6077.5	5085.9	4033.0	3125.4	2572.2	2286.7	2200.0	2179.7
20°	8050.7	7612.2	6533.9	5366.3	4160.5	2980.1	2284.2	2024.1	1917.1	1883.9	1873.7
22.5°	7828.9	7298.6	6006.2	4665.2	3224.9	2230.6	1868.6	1753.9	1720.8	1723.3	1720.8
25°	7607.1	6980.0	5453.0	3903.0	2401.4	1810.0	1631.6	1588.2	1595.9	1618.8	1623.9
27.5°	7423.6	6697.0	4910.0	3066.8	1876.3	1557.6	1473.5	1470.9	1499.0	1529.6	1534.7
30°	7291.0	6444.6	4374.6	2358.1	1544.9	1384.3	1351.1	1366.4	1399.6	1422.5	1430.2
32.5°	7196.7	6227.9	3803.6	1853.3	1353.7	1261.9	1246.6	1261.9	1282.3	1305.2	1310.3
35°	7163.5	6069.9	3242.7	1511.7	1223.7	1172.7	1162.5	1170.1	1180.3	1193.1	1198.2
37.5°	7237.5	5990.9	2656.4	1315.4	1144.6	1114.0	1098.7	1093.6	1096.2	1101.3	1103.8
40°	7456.7	6026.5	2177.1	1200.7	1093.6	1065.6	1040.1	1029.9	1027.4	1032.5	1029.9
42.5°	7834.0	6177.0	1830.4	1134.4	1052.9	1012.1	984.0	973.8	973.8	986.6	986.6
45°	8387.2	6472.7	1580.6	1086.0	1017.2	966.2	935.6	930.5	940.7	961.1	963.6
47.5°	9197.9	6906.1	1430.2	1050.3	984.0	925.4	894.8	892.3	912.6	945.8	948.3
50°	10159.0	7530.6	1348.6	1024.8	961.1	892.3	861.7	864.2	887.2	922.8	930.5
52.5°	11316.3	8382.1	1353.7	1014.6	948.3	871.9	841.3	836.2	859.1	894.8	902.5
55°	12512.0	9417.1	1453.1	1017.2	930.5	861.7	820.9	803.0	823.4	848.9	851.5
57.5°	13827.4	10584.7	1700.4	1012.1	907.6	851.5	803.0	762.2	775.0	790.3	797.9
60°	15311.1	11958.8	2233.2	1022.3	897.4	828.5	767.3	713.8	711.3	721.5	724.0
62.5°	17294.5	13827.4	2832.3	1040.1	920.3	800.5	713.8	657.7	647.5	652.6	655.2
65°	18811.3	14719.7	2643.6	1024.8	968.7	780.1	662.8	604.2	583.8	578.7	578.7
67.5°	18194.4	13539.3	1840.6	984.0	991.7	782.6	622.0	548.1	522.6	509.9	507.3
70°	15481.9	10997.7	1279.7	943.2	966.2	777.5	578.7	502.2	469.1	451.2	448.7
72.5°	12231.5	8397.4	1035.0	861.7	877.0	701.1	515.0	451.2	423.2	400.2	400.2
75°	7872.2	5124.1	864.2	767.3	716.4	545.6	446.1	402.8	374.7	351.8	351.8
77.5°	2648.7	1901.8	670.5	650.1	535.4	410.4	374.7	346.7	323.8	303.4	300.8
80°	1075.8	902.5	492.0	492.0	374.7	313.6	293.2	280.4	265.1	239.6	239.6
82.5°	624.6	548.1	344.2	298.3	249.8	216.7	203.9	191.2	191.2	173.4	173.4
85°	300.8	303.4	206.5	183.5	142.8	124.9	119.8	112.2	109.6	99.4	96.9
87.5°	163.2	165.7	104.5	81.6	56.1	48.4	40.8	38.2	35.7	33.1	33.1
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)