

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: P642601

Luminaire Tested: GWS-SA6D-730-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642601  
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-SA6D-730-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, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

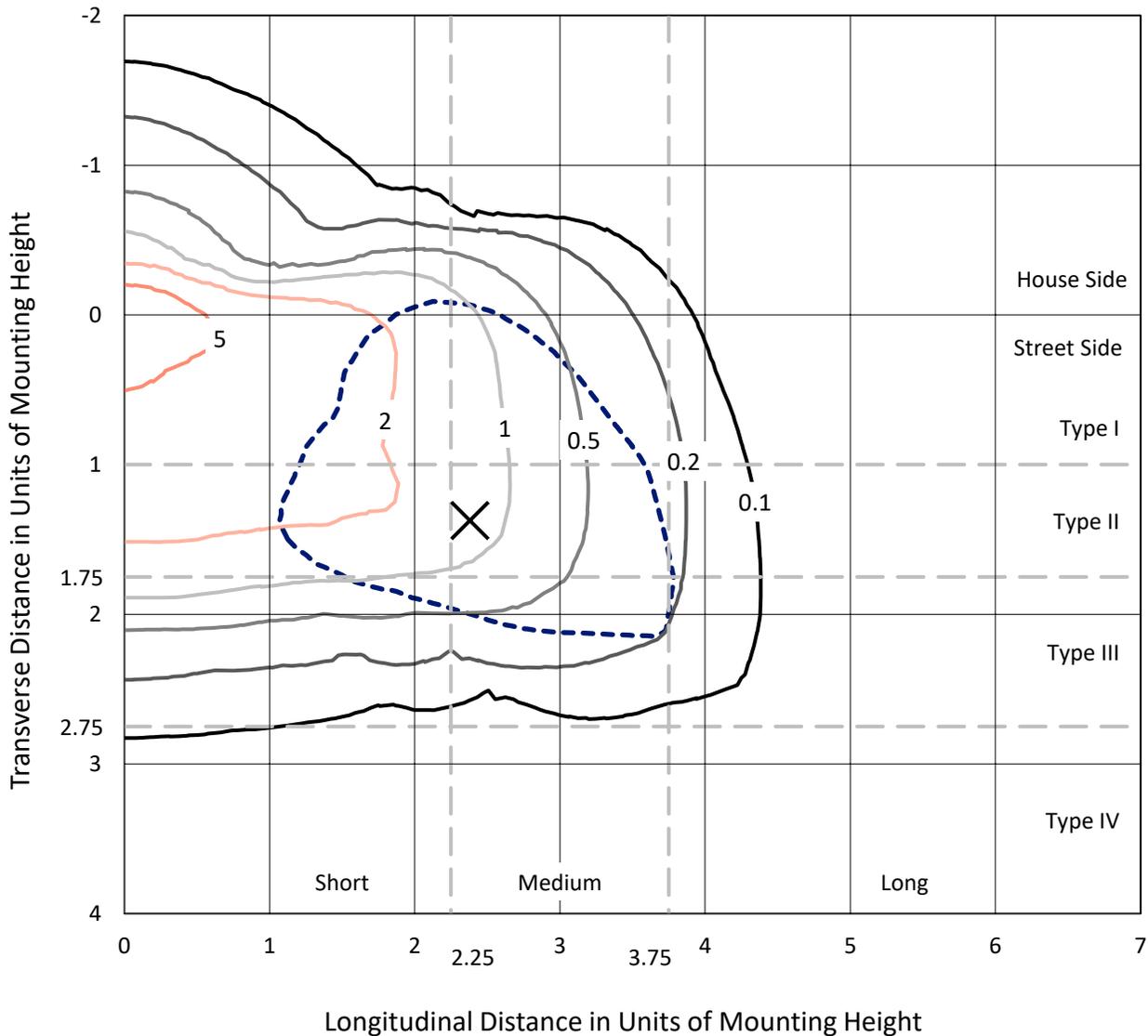
Lumens per Lamp: N/A  
Luminaire Lumens: 31961.5 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P642601  
 CATALOG NUMBER: GWS-SA6D-730-U-SL3-W

### Iso-Footcandle Lines of Horizontal Illumination

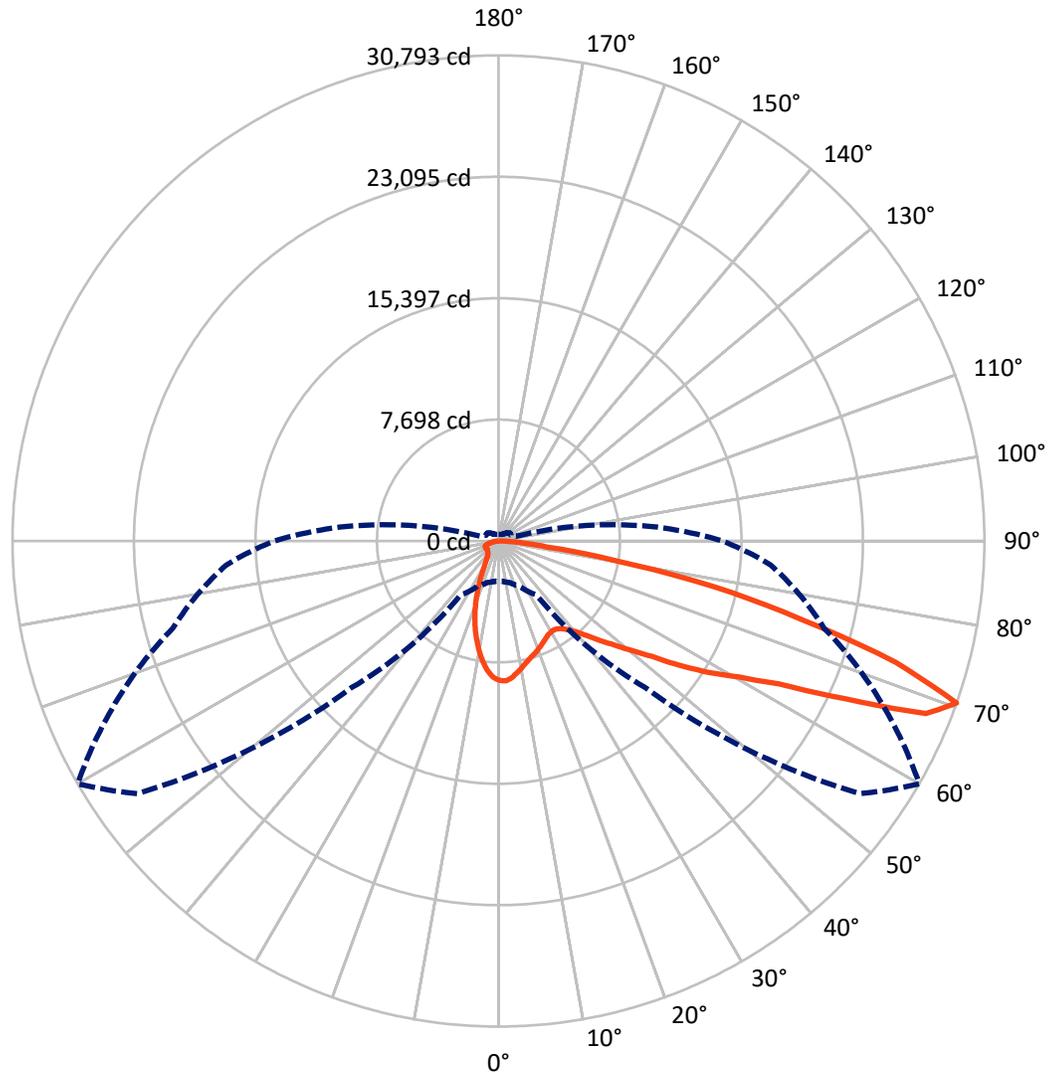
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P642601  
CATALOG NUMBER: GWS-SA6D-730-U-SL3-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P642601

CATALOG NUMBER: GWS-SA6D-730-U-SL3-W

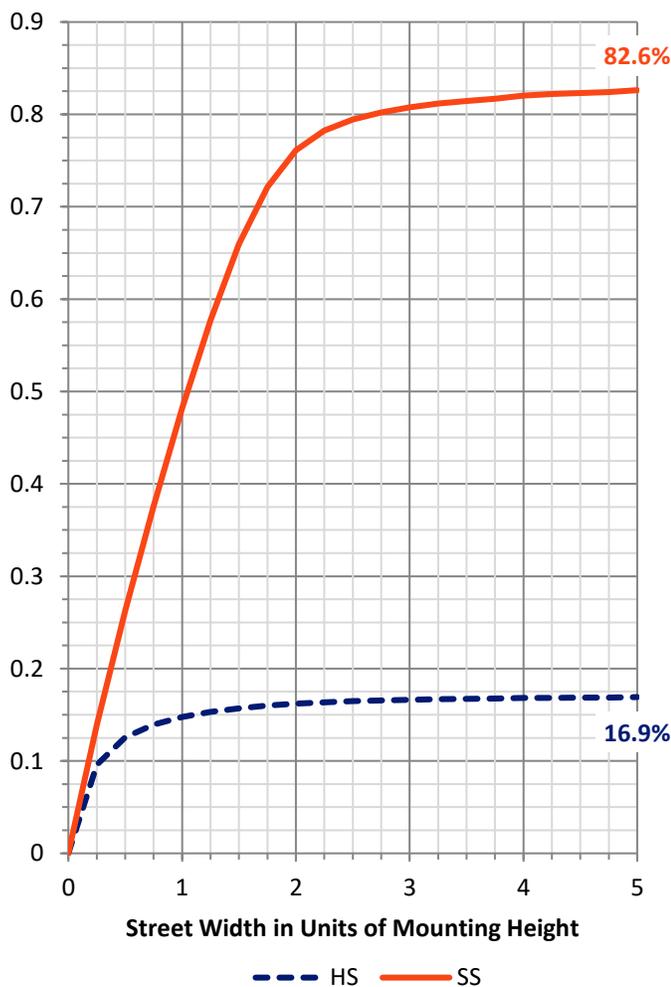
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5466.2	0.0	5466.2
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	26495.3	0.0	26495.3
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	31961.5	0.0	31961.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	762.3	2.4
10°-20°	1707.9	5.3
20°-30°	2187.2	6.8
30°-40°	2874.5	9.0
40°-50°	4170.5	13.0
50°-60°	6506.9	20.4
60°-70°	8518.8	26.7
70°-80°	4710.6	14.7
80°-90°	522.8	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°	31961.5	100.0
0°-180°	31961.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642601

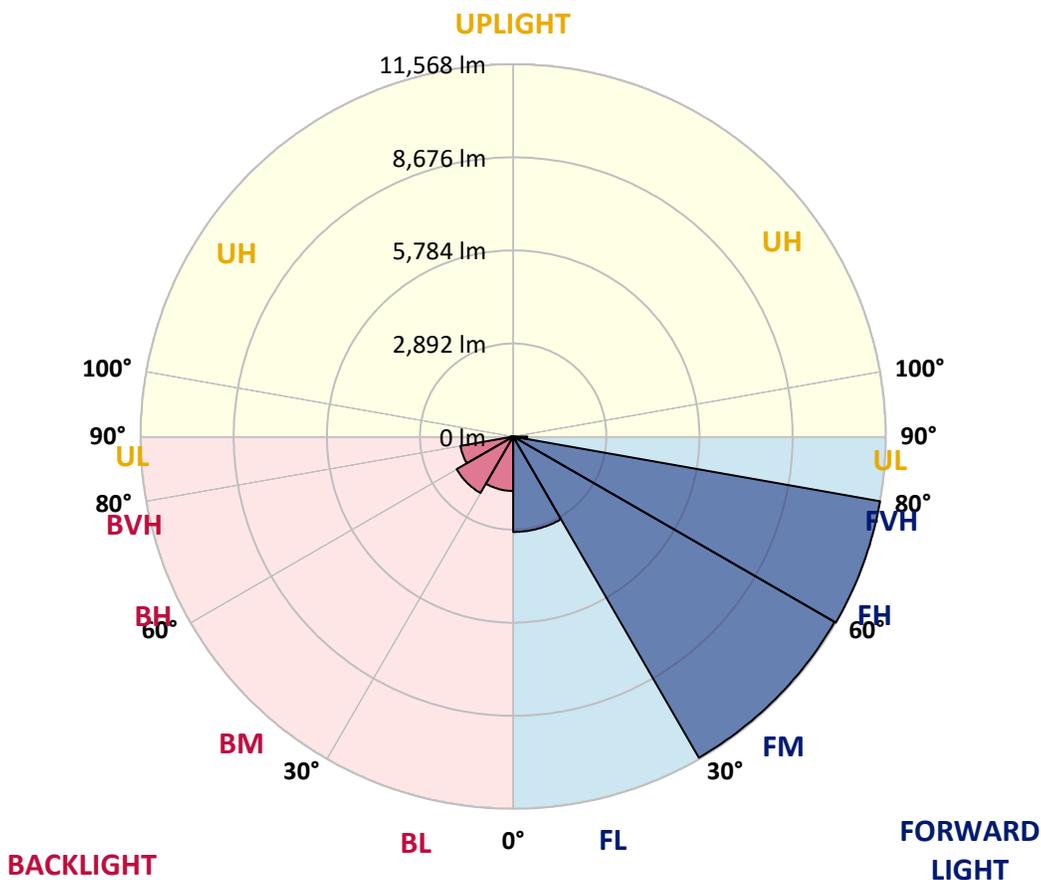
CATALOG NUMBER: GWS-SA6D-730-U-SL3-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2966.2	9.3			
FM (30°-60°)	11525.2	36.1			
FH (60°-80°)	11568.3	36.2			G4/12000
FVH (80°-90°)	435.6	1.4			G3/500
BL (0°-30°)	1691.2	5.3	B3/2500		
BM (30°-60°)	2026.7	6.3	B2/2500		
BH (60°-80°)	1661.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	87.2	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-G4**

Type III Medium





REPORT NUMBER: P642601

CATALOG NUMBER: GWS-SA6D-730-U-SL3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2
2.5°	8720.2	8729.6	8755.3	8792.7	8830.1	8848.8	8895.6	8881.6	8872.2	8853.5	8830.1
5°	8334.4	8353.1	8376.5	8449.0	8530.8	8596.3	8701.5	8713.2	8717.9	8727.2	8689.8
7.5°	7843.3	7848.0	7904.1	8000.0	8107.5	8219.8	8395.2	8444.3	8486.4	8533.1	8502.7
10°	7300.8	7312.5	7354.5	7492.5	7677.3	7843.3	8079.5	8161.3	8250.2	8353.1	8311.0
12.5°	6856.4	6858.8	6926.6	7073.9	7275.0	7499.5	7794.2	7892.4	8009.3	8170.7	8133.3
15°	6503.3	6503.3	6566.5	6692.8	6924.3	7188.5	7539.3	7665.6	7824.6	8042.1	7976.6
17.5°	6222.7	6225.1	6264.8	6398.1	6603.9	6896.2	7312.5	7483.2	7658.5	7946.2	7848.0
20°	6075.4	6063.7	6070.7	6152.6	6327.9	6610.9	7085.6	7284.4	7520.6	7880.7	7731.0
22.5°	6068.4	6047.3	6016.9	6023.9	6126.8	6360.7	6842.4	7083.3	7380.3	7826.9	7611.8
25°	6187.6	6164.3	6110.5	6049.7	6040.3	6180.6	6613.2	6886.8	7235.3	7803.5	7497.2
27.5°	6388.7	6372.4	6302.2	6211.0	6115.1	6110.5	6440.2	6725.5	7130.0	7826.9	7415.3
30°	6655.3	6627.3	6582.8	6465.9	6320.9	6171.3	6372.4	6639.0	7059.9	7901.8	7380.3
32.5°	6957.0	6940.6	6898.5	6781.6	6627.3	6388.7	6426.2	6657.7	7059.9	8032.7	7387.3
35°	7277.4	7275.0	7275.0	7197.9	7027.2	6730.2	6639.0	6816.7	7167.5	8243.2	7462.1
37.5°	7588.4	7586.1	7660.9	7688.9	7494.9	7174.5	7001.4	7134.7	7403.7	8554.2	7646.9
40°	7840.9	7850.3	8014.0	8154.3	8046.7	7749.7	7506.5	7574.4	7787.2	8996.2	7969.6
42.5°	8095.8	8121.6	8367.1	8615.0	8657.1	8399.8	8154.3	8194.1	8336.7	9580.8	8451.3
45°	8374.1	8385.8	8729.6	9075.7	9279.1	9127.1	8926.0	8979.8	9012.5	10303.4	9169.2
47.5°	8643.1	8673.5	9117.8	9592.5	9978.3	9964.3	9852.0	9835.7	9842.7	11182.6	10018.1
50°	9010.2	9054.6	9576.1	10149.0	10715.0	10974.5	11007.3	10883.3	10831.9	12160.1	11075.1
52.5°	9707.1	9707.1	10174.8	10738.3	11498.3	12141.4	12361.2	12157.8	11994.1	13193.7	12197.6
55°	10579.3	10616.7	10988.6	11444.6	12408.0	13369.1	14112.8	13888.3	13425.3	14318.6	13373.8
57.5°	10967.5	11014.3	11603.6	12312.1	13598.3	14765.2	15796.5	15717.0	15041.2	15487.8	14594.5
60°	10266.0	10364.2	11175.6	12363.6	14676.3	17017.2	17744.4	17512.9	16547.1	16715.5	15918.1
62.5°	8563.5	8671.1	9571.4	11229.4	14526.7	19451.5	20814.9	19961.3	18427.3	18265.9	17681.3
65°	5109.6	5104.9	6187.6	8385.8	12681.6	20127.4	25674.3	24081.7	21331.7	20394.0	19496.0
67.5°	3248.2	3241.1	3468.0	4443.1	8439.6	18471.7	28798.5	29212.4	25276.7	21958.4	19645.6
70°	2563.0	2560.6	2724.3	3168.7	4174.2	13144.6	27928.6	30793.2	27659.6	21362.1	17297.8
72.5°	1868.5	1873.1	2125.7	2654.2	3220.1	6599.2	22615.5	26347.7	25440.4	18857.6	14042.6
75°	1342.3	1349.3	1501.3	2032.1	2969.9	3608.3	15038.8	19811.7	19355.7	15116.0	9660.3
77.5°	853.5	862.9	996.2	1424.1	2399.3	2913.8	9117.8	13986.5	12878.1	8516.8	3435.2
80°	521.5	551.9	664.1	1061.7	1917.6	2186.5	4557.7	7368.6	6449.5	2336.1	1155.2
82.5°	268.9	292.3	399.9	657.1	1321.2	1919.9	2579.4	3096.2	1997.1	977.5	615.0
85°	84.2	98.2	140.3	266.6	629.1	1190.3	1707.1	1538.7	916.7	460.7	285.3
87.5°	21.0	21.0	23.4	23.4	25.7	53.8	329.7	348.4	243.2	145.0	116.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P642601  
 CATALOG NUMBER: GWS-SA6D-730-U-SL3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2	8844.2
2.5°	8783.4	8727.2	8703.9	8701.5	8643.1	8558.9	8502.7	8463.0	8439.6	8434.9	8434.9
5°	8626.7	8554.2	8458.3	8385.8	8229.1	8070.1	7936.8	7862.0	7775.5	7763.8	7761.4
7.5°	8418.6	8313.3	8130.9	7927.5	7653.9	7389.6	7165.1	7013.1	6861.1	6833.1	6823.7
10°	8194.1	8051.4	7740.4	7382.6	6973.4	6578.2	6234.4	5965.5	5787.8	5661.5	5638.1
12.5°	7971.9	7782.5	7326.5	6793.3	6232.1	5691.9	5175.1	4735.4	4417.4	4232.7	4199.9
15°	7763.8	7499.5	6875.2	6194.7	5465.0	4726.1	3994.1	3423.5	2976.9	2817.9	2780.5
17.5°	7574.4	7244.6	6437.9	5575.0	4665.3	3699.5	2867.0	2359.5	2097.6	2018.1	1999.4
20°	7384.9	6982.7	5993.5	4922.5	3816.4	2733.7	2095.3	1856.8	1758.5	1728.1	1718.8
22.5°	7181.5	6695.1	5509.5	4279.4	2958.2	2046.2	1714.1	1608.9	1578.5	1580.8	1578.5
25°	6978.0	6402.8	5002.0	3580.2	2202.9	1660.3	1496.6	1456.9	1463.9	1484.9	1489.6
27.5°	6809.7	6143.2	4503.9	2813.2	1721.1	1428.8	1351.6	1349.3	1375.0	1403.1	1407.8
30°	6688.1	5911.7	4012.8	2163.1	1417.1	1269.8	1239.4	1253.4	1283.8	1304.9	1311.9
32.5°	6601.6	5712.9	3489.0	1700.1	1241.7	1157.6	1143.5	1157.6	1176.3	1197.3	1202.0
35°	6571.2	5567.9	2974.6	1386.7	1122.5	1075.7	1066.4	1073.4	1082.7	1094.4	1099.1
37.5°	6639.0	5495.4	2436.7	1206.7	1050.0	1021.9	1007.9	1003.2	1005.5	1010.2	1012.6
40°	6840.1	5528.2	1997.1	1101.4	1003.2	977.5	954.1	944.7	942.4	947.1	944.7
42.5°	7186.2	5666.2	1679.0	1040.6	965.8	928.4	902.7	893.3	893.3	905.0	905.0
45°	7693.6	5937.4	1449.9	996.2	933.1	886.3	858.2	853.5	862.9	881.6	883.9
47.5°	8437.3	6335.0	1311.9	963.5	902.7	848.9	820.8	818.5	837.2	867.6	869.9
50°	9318.9	6907.9	1237.1	940.1	881.6	818.5	790.4	792.7	813.8	846.5	853.5
52.5°	10380.5	7688.9	1241.7	930.7	869.9	799.8	771.7	767.0	788.1	820.8	827.8
55°	11477.3	8638.4	1332.9	933.1	853.5	790.4	753.0	736.6	755.3	778.7	781.1
57.5°	12684.0	9709.4	1559.8	928.4	832.5	781.1	736.6	699.2	710.9	724.9	731.9
60°	14045.0	10969.8	2048.5	937.7	823.1	760.0	703.9	654.8	652.4	661.8	664.1
62.5°	15864.3	12684.0	2598.1	954.1	844.2	734.3	654.8	603.3	594.0	598.7	601.0
65°	17255.7	13502.4	2425.0	940.1	888.6	715.6	608.0	554.2	535.5	530.8	530.8
67.5°	16689.8	12419.7	1688.4	902.7	909.7	717.9	570.6	502.8	479.4	467.7	465.4
70°	14201.6	10088.2	1173.9	865.2	886.3	713.2	530.8	460.7	430.3	413.9	411.6
72.5°	11220.1	7703.0	949.4	790.4	804.4	643.1	472.4	413.9	388.2	367.1	367.1
75°	7221.3	4700.4	792.7	703.9	657.1	500.4	409.2	369.5	343.8	322.7	322.7
77.5°	2429.7	1744.5	615.0	596.3	491.1	376.5	343.8	318.0	297.0	278.3	275.9
80°	986.8	827.8	451.3	451.3	343.8	287.6	268.9	257.2	243.2	219.8	219.8
82.5°	572.9	502.8	315.7	273.6	229.2	198.8	187.1	175.4	175.4	159.0	159.0
85°	275.9	278.3	189.4	168.4	131.0	114.6	109.9	102.9	100.6	91.2	88.9
87.5°	149.7	152.0	95.9	74.8	51.4	44.4	37.4	35.1	32.7	30.4	30.4
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)