

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: P643256

Luminaire Tested: GWS-SA6E-750-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-750-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

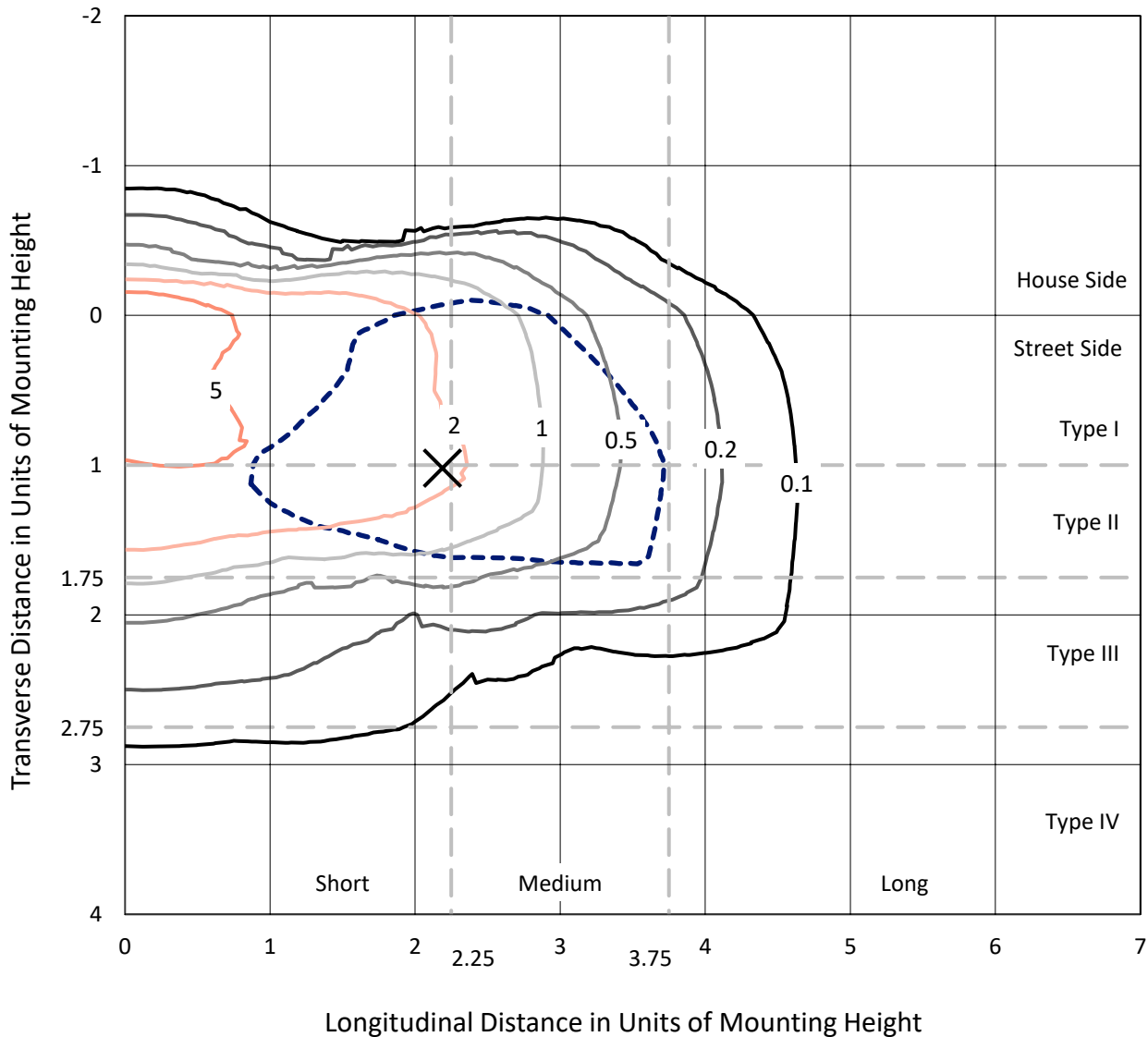
Lumens per Lamp: N/A  
Luminaire Lumens: 36298.8 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

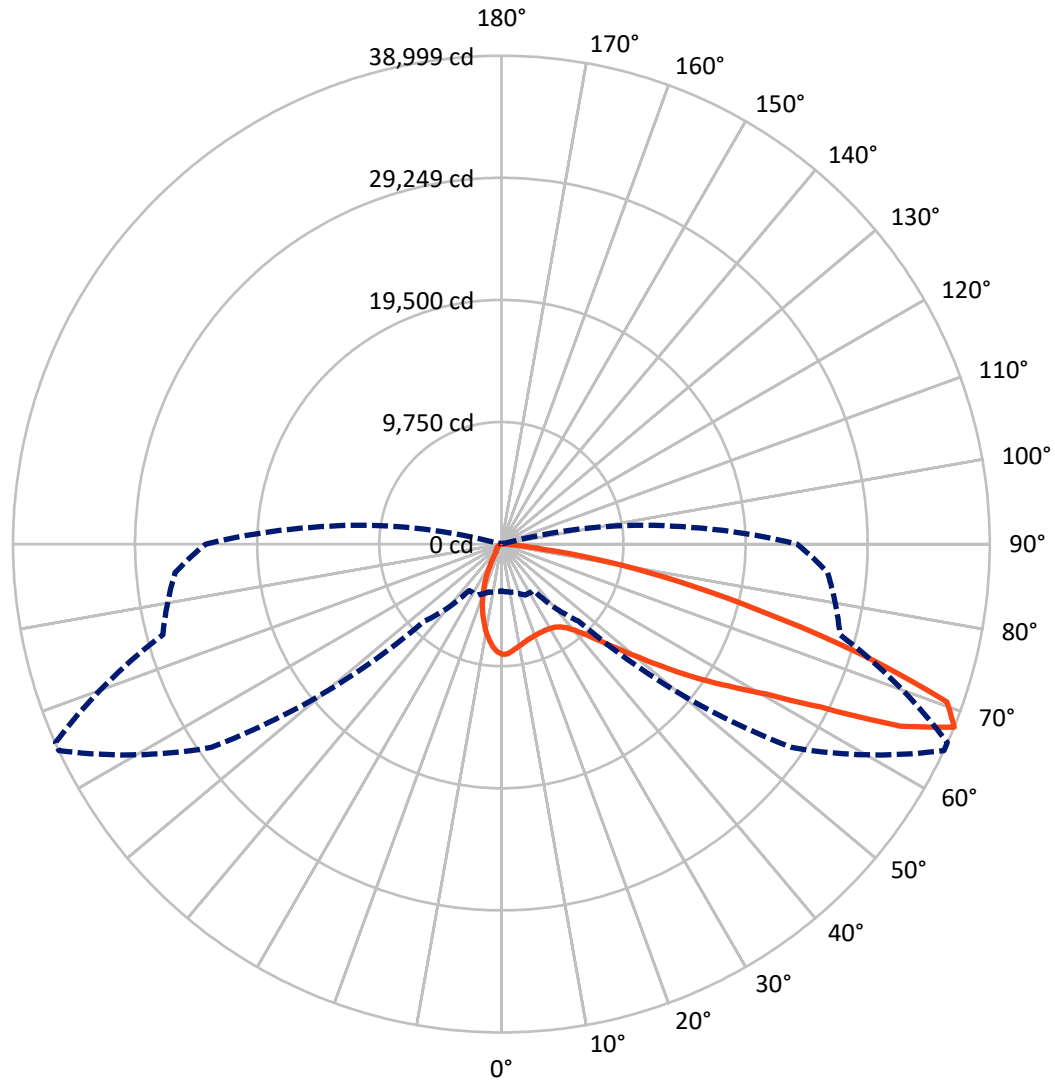
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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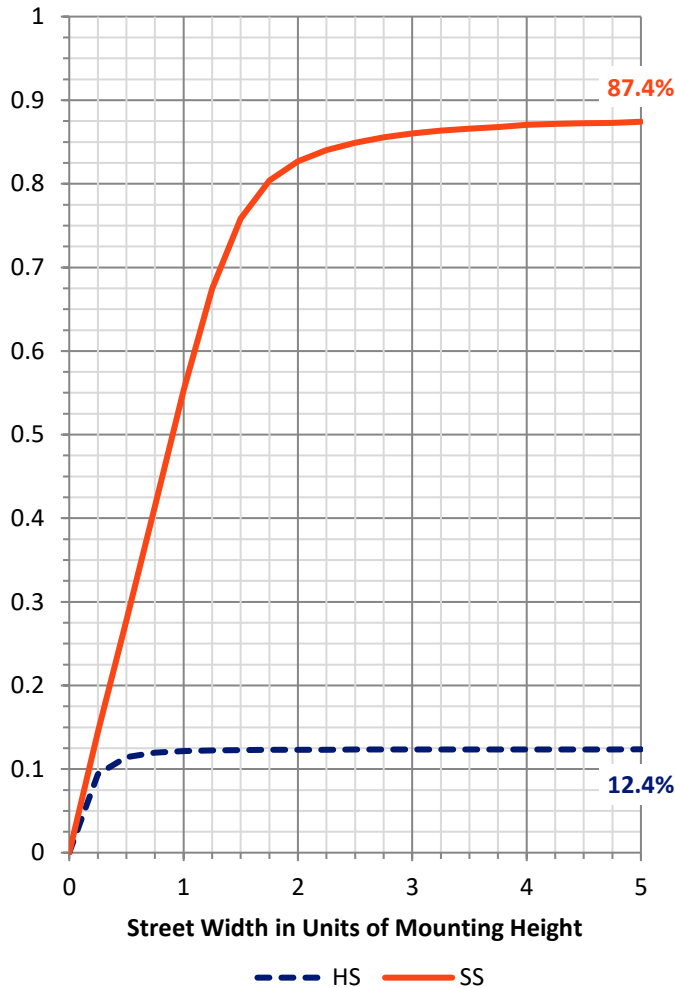
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4532.6	0.0	4532.6
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	31766.2	0.0	31766.2
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	36298.8	0.0	36298.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	731.2	2.0
10°-20°	1643.7	4.5
20°-30°	2348.7	6.5
30°-40°	3417.1	9.4
40°-50°	5351.7	14.7
50°-60°	8348.8	23.0
60°-70°	9170.7	25.3
70°-80°	4880.6	13.4
80°-90°	406.3	1.1
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°	36298.8	100.0
0°-180°	36298.8	100.0

**Coefficient of Utilization**



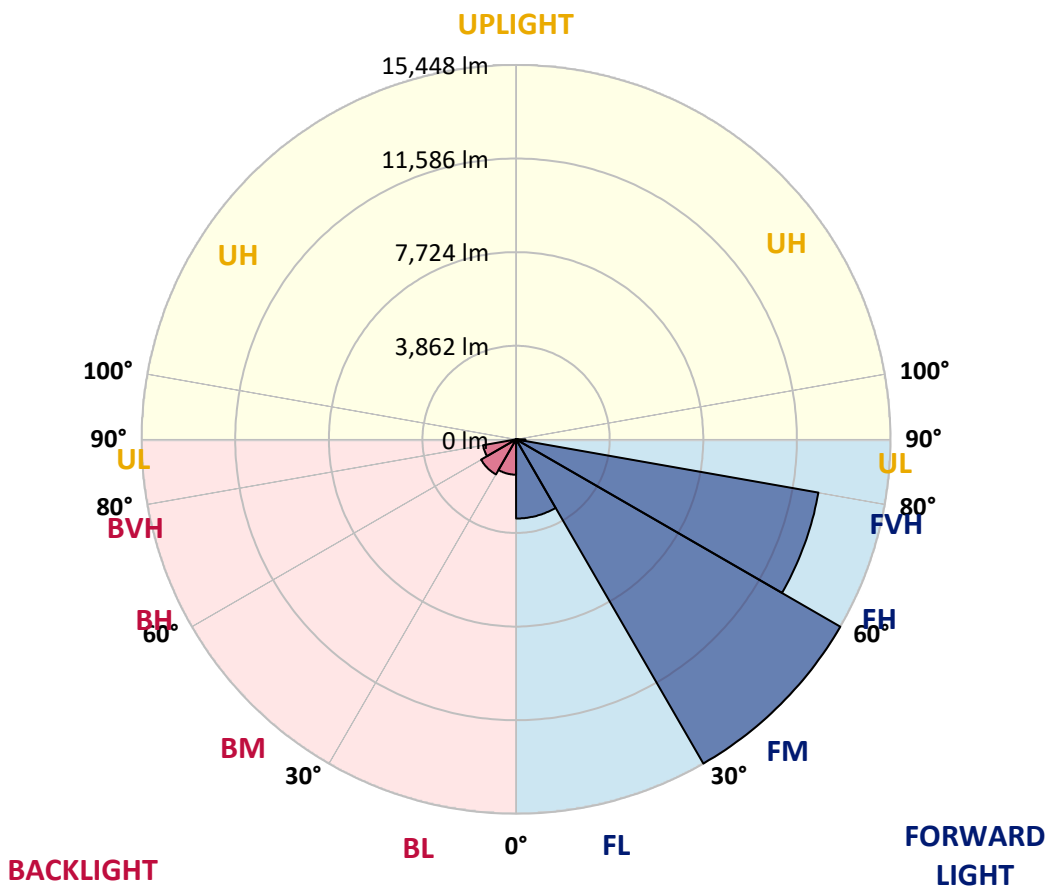
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3266.7	9.0			
FM (30°-60°)	15448.0	42.6			
FH (60°-80°)	12666.9	34.9			G5
FVH (80°-90°)	384.6	1.1			G3/500
BL (0°-30°)	1456.9	4.0	B3/2500		
BM (30°-60°)	1669.6	4.6	B2/2500		
BH (60°-80°)	1384.5	3.8	B3/2500		G3/2500
BVH (80°-90°)	21.7	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6
2.5°	8498.3	8524.6	8488.5	8577.1	8593.5	8692.0	8747.8	8787.2	8783.9	8833.1	8833.1
5°	7999.4	8025.7	8006.0	8101.2	8176.6	8330.9	8458.9	8606.7	8613.2	8764.2	8820.0
7.5°	7576.0	7579.2	7579.2	7697.4	7795.9	7986.3	8176.6	8403.1	8429.4	8662.5	8810.2
10°	7228.0	7237.9	7241.1	7375.7	7484.0	7713.8	7956.7	8229.2	8258.7	8573.8	8803.6
12.5°	6988.4	6991.7	7004.8	7146.0	7264.1	7503.7	7749.9	8061.8	8101.2	8472.1	8774.1
15°	6873.5	6866.9	6873.5	6991.7	7109.8	7339.6	7592.4	7927.2	7969.9	8386.7	8777.3
17.5°	6866.9	6857.1	6850.5	6939.2	7014.7	7218.2	7474.2	7838.6	7884.5	8347.3	8813.4
20°	6962.1	6955.6	6922.7	6962.1	6978.5	7146.0	7398.7	7769.6	7815.6	8340.8	8892.2
22.5°	7211.6	7195.2	7146.0	7109.8	7021.2	7119.7	7346.2	7720.4	7772.9	8357.2	8994.0
25°	7582.5	7576.0	7513.6	7425.0	7198.5	7159.1	7349.5	7720.4	7769.6	8376.9	9102.3
27.5°	8140.5	8101.2	8022.4	7868.1	7543.1	7313.4	7415.1	7740.1	7789.3	8403.1	9190.9
30°	8708.4	8705.1	8678.9	8521.3	8038.8	7608.8	7553.0	7792.6	7838.6	8426.1	9273.0
32.5°	9296.0	9305.8	9371.5	9250.0	8721.5	8048.6	7802.4	7900.9	7933.7	8472.1	9345.2
35°	9854.0	9873.7	10047.7	10090.3	9552.0	8715.0	8209.5	8117.6	8120.8	8573.8	9440.4
37.5°	10389.0	10454.7	10733.7	10940.5	10586.0	9522.5	8797.0	8485.2	8458.9	8777.3	9584.8
40°	10996.3	11121.0	11472.3	11823.5	11711.9	10589.3	9598.0	9049.8	8994.0	9151.5	9844.1
42.5°	11669.2	11803.8	12269.9	12762.3	12814.8	11879.3	10599.1	9873.7	9778.5	9781.8	10330.0
45°	12391.3	12571.9	13113.5	13822.5	14140.9	13317.0	11833.3	10986.4	10891.3	10750.1	11111.2
47.5°	13340.0	13497.5	14019.5	14836.8	15447.3	14859.8	13451.6	12417.6	12243.6	12036.8	12325.7
50°	14157.3	14295.2	14744.9	15769.0	17039.3	16849.0	15286.5	14206.6	14039.2	13687.9	13927.5
52.5°	14337.9	14446.2	14859.8	16011.9	18257.1	19360.0	17535.0	16369.7	16251.5	15601.6	15693.5
55°	13527.1	13691.2	14062.1	15342.3	18575.5	21815.3	20453.1	18808.6	18562.4	17525.1	17689.3
57.5°	11478.8	11771.0	12118.9	13783.1	17712.2	23121.8	24529.9	21391.9	21168.7	19376.5	19379.7
60°	8413.0	8649.3	8882.4	10405.5	15664.0	23033.1	28229.3	24293.6	23886.6	20889.7	20833.9
62.5°	6118.5	6240.0	6236.7	6778.3	10756.7	21516.6	30172.5	28665.9	27717.2	22507.9	22189.5
65°	4812.1	4808.8	4950.0	5127.2	6006.9	16609.3	30412.1	35050.3	34026.2	24677.7	24014.6
67.5°	3745.3	3817.5	3958.7	4480.6	4513.4	8692.0	28304.8	38999.1	38979.4	27989.7	26151.5
70°	2888.6	2987.1	3187.3	3948.8	4168.7	4864.6	21178.5	37748.5	38066.9	29470.1	24638.3
72.5°	1854.6	1848.0	2143.5	3190.6	4004.6	4053.9	11711.9	29985.4	30346.5	26693.1	19921.4
75°	1037.3	1043.8	1211.2	1953.1	3732.2	3814.2	5800.1	21382.1	21667.6	20810.9	15306.2
77.5°	407.0	420.2	567.9	1027.4	2461.9	3407.2	3446.6	14580.8	14623.4	12896.9	9387.9
80°	164.1	174.0	288.9	636.8	1500.1	2294.5	2461.9	8590.2	8416.3	4992.6	2731.0
82.5°	49.2	52.5	114.9	361.1	784.5	1631.4	1660.9	3295.6	3111.8	1073.4	695.9
85°	3.3	3.3	26.3	111.6	279.0	410.3	1106.2	1073.4	951.9	269.2	308.6
87.5°	0.0	0.0	3.3	3.3	6.6	13.1	118.2	196.9	200.2	49.2	137.9
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°	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6	8803.6
2.5°	8833.1	8715.0	8705.1	8613.2	8521.3	8406.4	8271.8	8173.4	8104.4	7983.0	7960.0
5°	8820.0	8662.5	8514.7	8252.1	7960.0	7644.9	7369.2	7113.1	6952.3	6844.0	6798.0
7.5°	8793.8	8593.5	8252.1	7756.5	7267.4	6715.9	6285.9	5892.0	5622.9	5465.3	5396.4
10°	8774.1	8504.9	7950.2	7198.5	6440.2	5678.7	5025.5	4441.2	4116.2	3860.2	3817.5
12.5°	8734.7	8376.9	7562.8	6545.3	5567.1	4556.1	3722.3	3006.7	2511.1	2287.9	2209.1
15°	8695.3	8242.3	7175.5	5855.9	4615.2	3367.8	2356.8	1667.5	1326.1	1221.1	1214.5
17.5°	8688.7	8120.8	6755.3	5202.7	3617.3	2205.8	1342.5	1079.9	1007.7	981.5	981.5
20°	8708.4	8019.1	6341.7	4451.0	2635.8	1342.5	1001.2	935.5	892.8	869.9	869.9
22.5°	8728.1	7914.1	5944.6	3692.8	1749.6	981.5	883.0	827.2	777.9	751.7	738.6
25°	8741.2	7799.2	5504.7	2931.3	1142.3	853.4	774.7	702.5	643.4	610.5	610.5
27.5°	8738.0	7661.3	5061.6	2186.1	886.3	758.3	663.1	587.6	528.5	492.4	495.7
30°	8711.7	7510.3	4602.0	1526.4	774.7	663.1	567.9	489.1	430.0	400.5	397.2
32.5°	8692.0	7349.5	4070.3	1073.4	695.9	581.0	482.5	407.0	357.8	334.8	331.5
35°	8669.0	7191.9	3564.8	817.3	627.0	502.2	407.0	344.7	305.3	285.6	285.6
37.5°	8675.6	7027.8	3016.6	702.5	558.0	436.6	347.9	295.4	262.6	242.9	239.6
40°	8777.3	6929.3	2478.3	636.8	495.7	377.5	302.0	256.0	223.2	203.5	200.2
42.5°	9030.1	6932.6	1962.9	587.6	439.9	321.7	262.6	219.9	190.4	167.4	164.1
45°	9535.6	7070.5	1506.7	535.0	380.8	279.0	226.5	187.1	157.6	137.9	134.6
47.5°	10362.8	7480.8	1142.3	489.1	331.5	242.9	193.7	157.6	131.3	114.9	111.6
50°	11679.1	8222.6	899.4	433.3	279.0	210.1	164.1	131.3	108.3	91.9	88.6
52.5°	13261.2	9335.4	771.4	384.0	239.6	183.8	141.1	108.3	88.6	75.5	72.2
55°	15079.7	10664.8	712.3	334.8	203.5	157.6	114.9	88.6	72.2	62.4	55.8
57.5°	16747.2	11862.9	709.0	285.6	174.0	134.6	95.2	75.5	62.4	49.2	46.0
60°	18372.0	12864.0	666.3	236.3	151.0	111.6	82.1	62.4	52.5	42.7	39.4
62.5°	19845.9	13678.1	558.0	190.4	128.0	91.9	68.9	55.8	46.0	36.1	36.1
65°	21697.2	14715.3	426.7	154.3	105.0	75.5	59.1	49.2	42.7	32.8	32.8
67.5°	23610.9	15263.5	305.3	128.0	85.3	65.6	52.5	46.0	36.1	29.5	29.5
70°	21385.3	12896.9	219.9	105.0	72.2	55.8	46.0	42.7	36.1	29.5	26.3
72.5°	16701.2	9299.3	164.1	82.1	62.4	52.5	42.7	39.4	32.8	26.3	26.3
75°	12384.8	5422.7	124.7	65.6	49.2	42.7	42.7	39.4	32.8	26.3	23.0
77.5°	6732.4	1890.7	95.2	52.5	39.4	32.8	36.1	36.1	29.5	23.0	19.7
80°	1782.4	518.6	65.6	39.4	32.8	26.3	26.3	32.8	26.3	19.7	19.7
82.5°	518.6	151.0	46.0	32.8	26.3	23.0	23.0	23.0	19.7	16.4	13.1
85°	252.8	55.8	32.8	26.3	23.0	19.7	16.4	16.4	13.1	9.8	9.8
87.5°	111.6	23.0	26.3	23.0	23.0	16.4	13.1	9.8	9.8	6.6	3.3
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)