

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: P643272

Luminaire Tested: GWS-SA6E-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

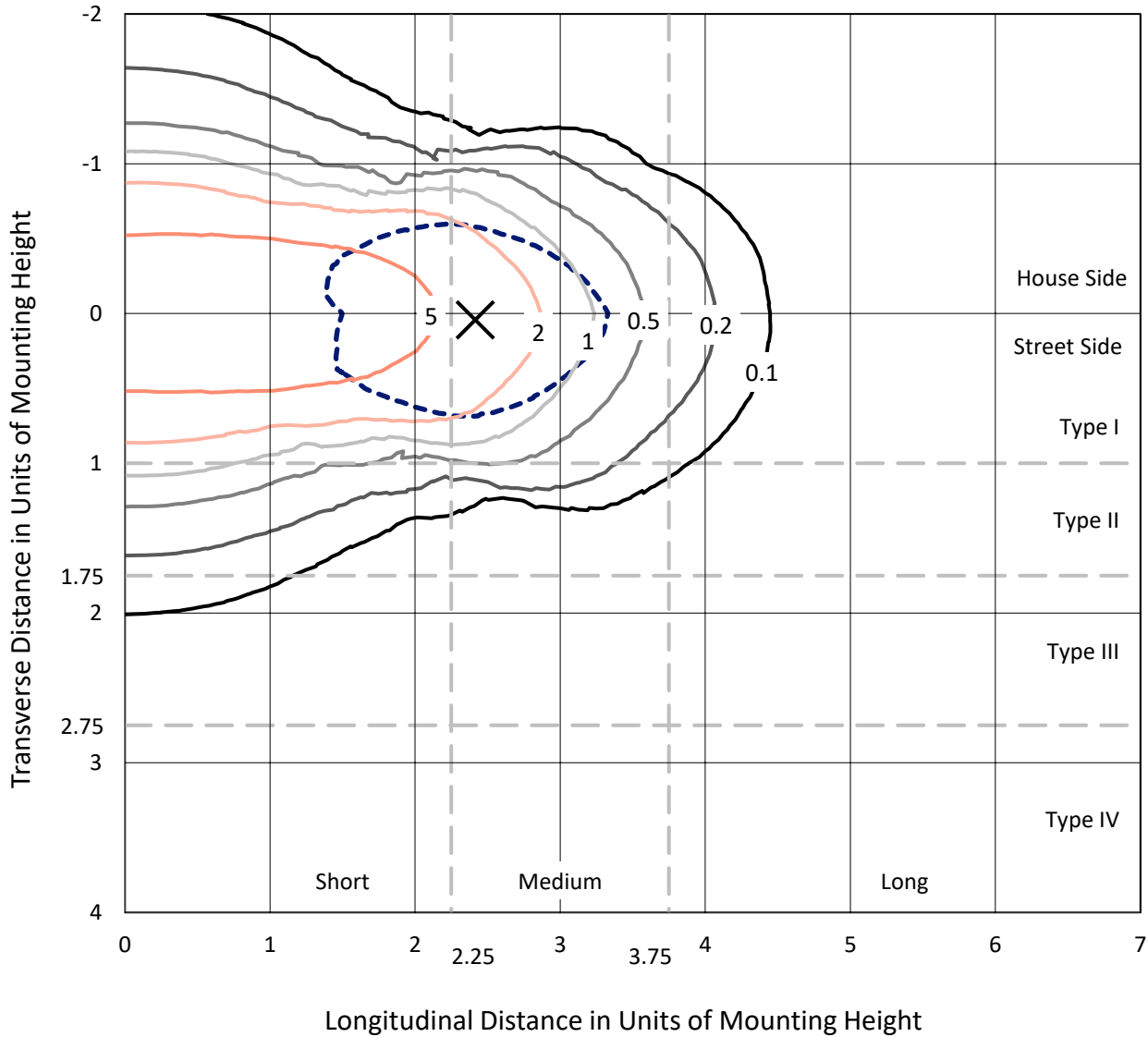
Lumens per Lamp: N/A  
Luminaire Lumens: 45706.6 lumens  
Efficiency: N/A  
Efficacy: 141.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

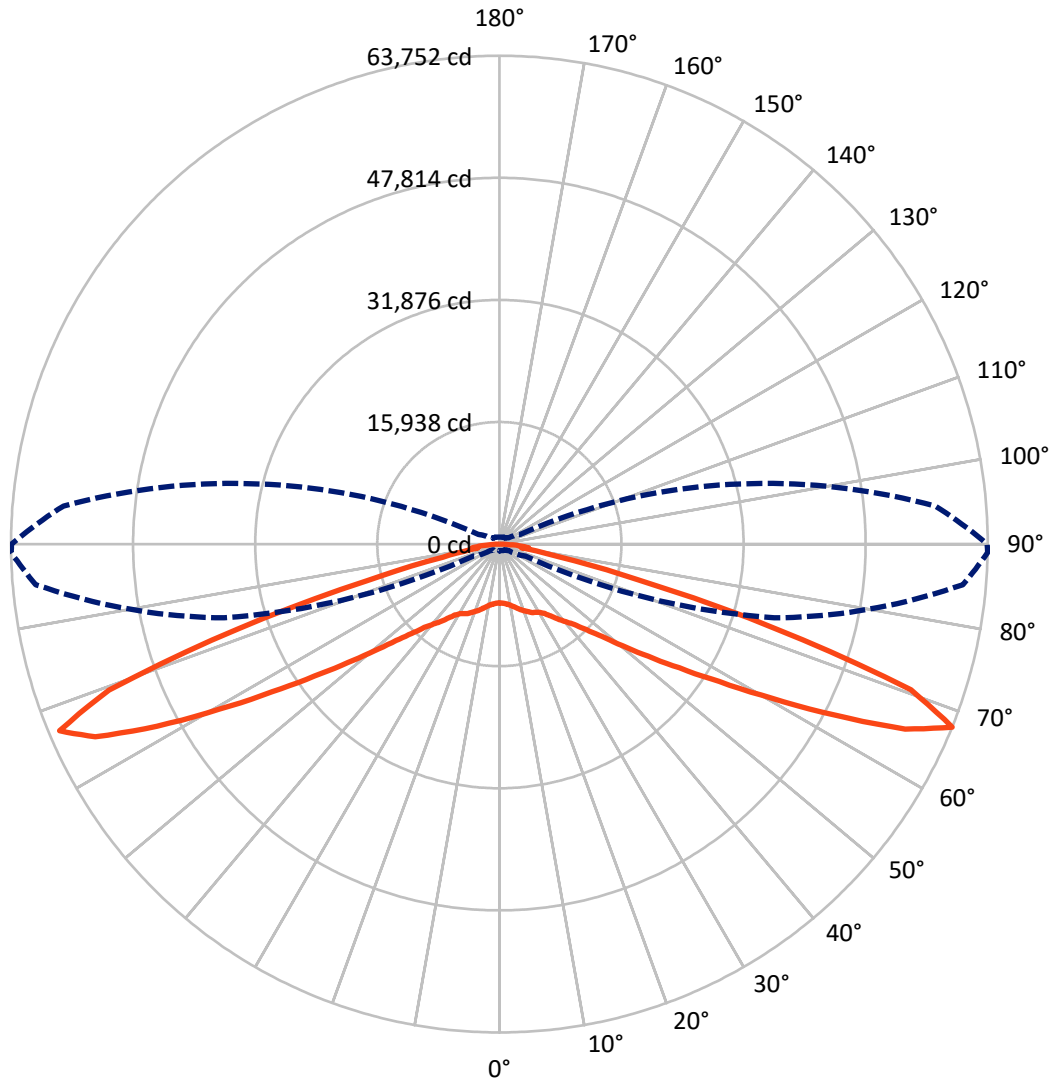
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22653.0	0.0	22653.0
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	23053.6	0.0	23053.6
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	45706.6	0.0	45706.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	769.5	1.7
10°-20°	2505.6	5.5
20°-30°	4235.7	9.3
30°-40°	5812.9	12.7
40°-50°	7412.7	16.2
50°-60°	9300.4	20.3
60°-70°	11217.1	24.5
70°-80°	4058.0	8.9
80°-90°	394.6	0.9
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°	45706.6	100.0
0°-180°	45706.6	100.0

**Coefficient of Utilization**



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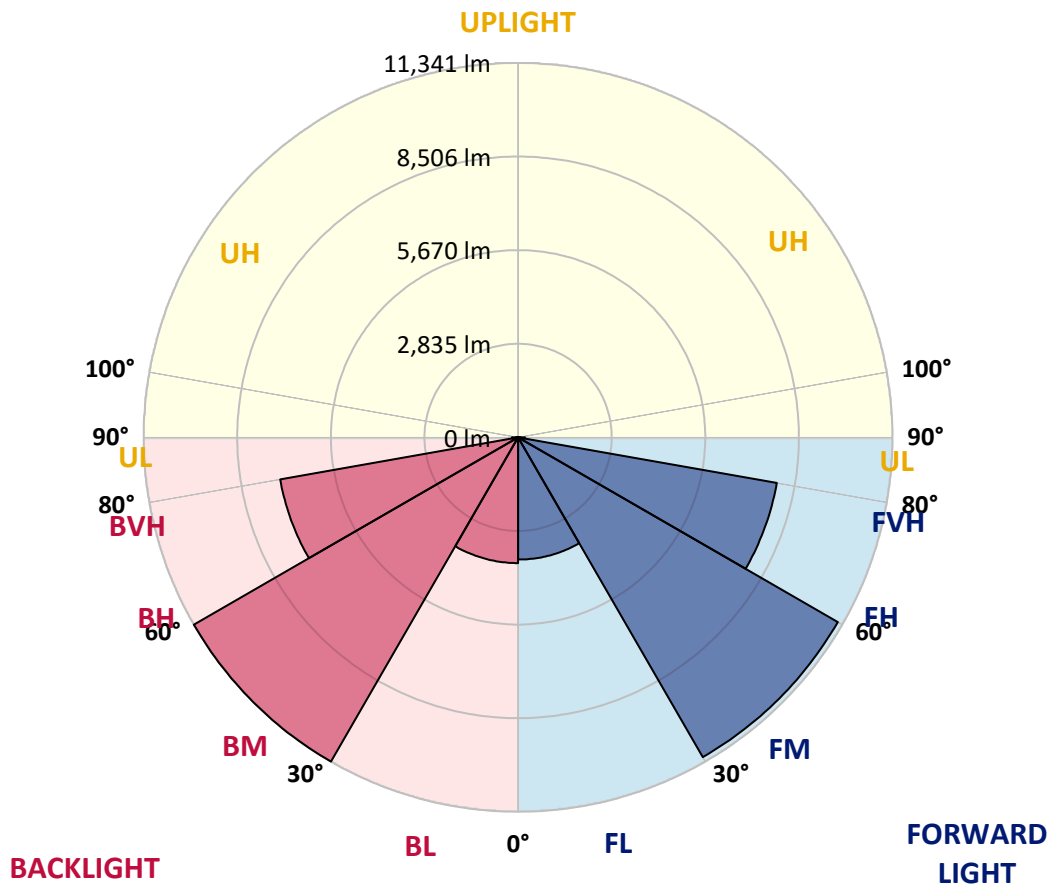
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3701.9	8.1			
FM (30°-60°)	11185.3	24.5			
FH (60°-80°)	7958.2	17.4			G4/12000
FVH (80°-90°)	208.2	0.5			G2/225
BL (0°-30°)	3808.9	8.3	B4/5000		
BM (30°-60°)	11340.8	24.8	B5		
BH (60°-80°)	7316.9	16.0	B5		G5
BVH (80°-90°)	186.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5
2.5°	7694.5	7687.9	7671.5	7720.7	7710.9	7714.2	7733.9	7720.7	7697.7	7658.4	7714.2
5°	7911.1	7907.8	7871.7	7901.3	7868.4	7845.5	7842.2	7809.4	7783.1	7740.4	7799.5
7.5°	8121.2	8117.9	8088.4	8140.9	8114.6	8088.4	8058.8	7993.2	7930.8	7868.4	7934.1
10°	8282.1	8278.8	8272.2	8347.7	8354.3	8364.1	8351.0	8239.4	8131.1	8055.6	8121.2
12.5°	8374.0	8383.8	8400.2	8538.1	8607.0	8672.7	8689.1	8597.2	8416.6	8308.3	8387.1
15°	8311.6	8331.3	8413.4	8662.8	8853.2	9000.9	9063.3	8987.8	8754.7	8574.2	8662.8
17.5°	8012.9	8029.3	8190.1	8570.9	8991.1	9332.5	9434.3	9388.3	9129.0	8909.0	8994.4
20°	7599.3	7635.4	7809.4	8341.1	8968.1	9562.3	9834.7	9818.3	9536.0	9197.9	9299.7
22.5°	7225.0	7267.7	7451.5	8039.1	8813.8	9621.4	10238.5	10281.2	9906.9	9486.8	9568.8
25°	6804.9	6844.3	7080.6	7681.3	8547.9	9575.4	10583.2	10776.8	10327.1	9818.3	9893.8
27.5°	6374.8	6404.4	6637.5	7277.6	8200.0	9490.1	10855.6	11321.8	10740.7	10048.1	10100.6
30°	5997.3	6036.7	6250.1	6873.8	7819.2	9319.4	11078.8	11902.8	11216.7	10307.4	10350.1
32.5°	5633.0	5665.8	5898.9	6476.6	7415.4	9056.8	11279.1	12585.6	11922.5	10790.0	10790.0
35°	5173.4	5232.5	5495.1	6095.8	7034.7	8708.8	11423.5	13380.0	12887.6	11502.3	11505.6
37.5°	4750.0	4782.8	5058.5	5665.8	6634.2	8314.9	11436.7	14203.9	14108.7	12408.3	12414.9
40°	4267.4	4310.1	4605.5	5206.2	6174.6	7901.3	11311.9	14972.0	15388.9	13340.6	13304.5
42.5°	3778.3	3840.7	4123.0	4710.6	5678.9	7395.7	10980.4	15704.1	17013.8	14420.6	14331.9
45°	3305.6	3345.0	3627.3	4182.1	5111.0	6791.7	10448.6	16406.5	18944.0	16061.9	15933.8
47.5°	2773.8	2790.2	3082.4	3614.2	4523.5	6118.8	9687.0	17033.5	21064.6	18235.0	18015.0
50°	2301.1	2324.1	2553.9	3010.2	3804.6	5321.1	8738.3	17401.2	23766.2	21199.2	20818.4
52.5°	1861.2	1884.2	2068.1	2432.4	3144.8	4411.8	7563.2	17315.8	26507.2	24879.0	24324.2
55°	1503.4	1519.9	1644.6	1930.2	2475.1	3509.1	6174.6	16551.0	29550.2	29684.7	28489.9
57.5°	1270.4	1276.9	1362.3	1536.3	1933.5	2704.9	4766.4	14745.5	32740.9	35816.7	33853.7
60°	1135.8	1139.1	1178.5	1286.8	1526.4	2064.8	3492.7	11870.0	36046.5	43488.2	40796.4
62.5°	1050.4	1050.4	1083.3	1145.6	1267.1	1588.8	2567.0	8525.0	38419.8	51835.9	49160.5
65°	968.4	968.4	991.4	1043.9	1109.5	1296.6	1926.9	5498.4	39585.1	58814.7	58220.6
67.5°	863.3	866.6	883.0	938.8	997.9	1083.3	1460.8	3719.2	37165.8	60744.9	63751.8
70°	764.9	768.1	791.1	827.2	876.5	935.5	1142.4	2563.7	27052.1	50591.8	57002.7
72.5°	656.5	669.7	686.1	725.5	755.0	797.7	932.3	1661.0	15740.2	32543.9	37681.2
75°	538.3	554.8	574.5	613.9	633.5	650.0	768.1	1185.0	7573.0	16491.9	18779.9
77.5°	416.9	433.3	456.3	492.4	505.5	525.2	587.6	856.8	3627.3	7310.4	7881.6
80°	279.0	285.6	305.3	348.0	370.9	384.1	433.3	584.3	1575.7	2934.7	2908.4
82.5°	170.7	174.0	180.5	206.8	216.7	229.8	282.3	357.8	751.7	3335.1	3824.3
85°	62.4	59.1	55.8	72.2	85.3	98.5	131.3	180.5	328.3	2291.3	2563.7
87.5°	0.0	0.0	0.0	3.3	6.6	6.6	13.1	26.3	78.8	856.8	587.6
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°	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5	7671.5
2.5°	7697.7	7661.6	7707.6	7740.4	7812.6	7838.9	7845.5	7822.5	7822.5	7783.1	7789.7
5°	7786.4	7763.4	7838.9	7894.7	7999.7	8039.1	8065.4	8049.0	8058.8	8032.6	8039.1
7.5°	7921.0	7901.3	8032.6	8140.9	8249.2	8295.2	8318.2	8305.0	8308.3	8275.5	8285.3
10°	8108.1	8114.6	8272.2	8413.4	8557.8	8603.7	8613.6	8574.2	8541.4	8482.3	8485.6
12.5°	8364.1	8396.9	8620.2	8777.7	8925.4	8991.1	8918.9	8774.4	8639.9	8538.1	8525.0
15°	8643.1	8702.2	9023.9	9224.2	9385.0	9352.2	9138.8	8813.8	8547.9	8396.9	8367.4
17.5°	8978.0	9066.6	9470.4	9710.0	9847.9	9637.8	9191.3	8705.5	8334.6	8131.1	8091.7
20°	9293.1	9434.3	9943.1	10254.9	10271.3	9798.6	9168.4	8485.6	8019.4	7770.0	7717.4
22.5°	9582.0	9762.5	10438.7	10835.9	10622.6	9870.8	9027.2	8173.7	7638.7	7346.5	7300.5
25°	9897.1	10153.1	11016.5	11387.4	10973.8	9841.3	8731.8	7786.4	7179.1	6880.4	6847.5
27.5°	10113.8	10435.5	11597.5	11952.0	11262.7	9673.9	8351.0	7362.9	6758.9	6476.6	6430.7
30°	10363.2	10773.6	12237.6	12565.9	11439.9	9427.7	7943.9	6969.0	6368.3	6063.0	6030.2
32.5°	10816.2	11331.6	13032.0	13215.8	11495.7	9122.4	7553.3	6588.2	5961.2	5656.0	5610.0
35°	11545.0	12149.0	14148.1	13941.3	11453.1	8787.6	7182.4	6141.8	5544.3	5258.8	5212.8
37.5°	12464.1	13215.8	15392.2	14594.5	11334.9	8419.9	6742.5	5767.6	5170.1	4881.3	4855.0
40°	13320.9	14246.6	16787.3	15159.1	11095.3	7966.9	6319.0	5376.9	4766.4	4461.1	4402.0
42.5°	14394.3	15625.3	18402.4	15648.3	10701.3	7425.3	5843.1	4894.4	4260.8	3985.1	3912.9
45°	16025.8	17555.5	20280.0	16117.7	10113.8	6758.9	5245.6	4306.8	3706.1	3423.8	3368.0
47.5°	18061.0	19968.2	22315.3	16396.7	9220.9	6056.4	4569.4	3686.4	3085.7	2767.2	2741.0
50°	20920.1	23477.3	24498.2	16347.5	8223.0	5222.6	3807.8	2947.8	2445.6	2215.8	2179.7
52.5°	24403.0	27882.6	26858.4	15756.6	7162.7	4274.0	2967.5	2314.2	1940.0	1775.9	1746.4
55°	28772.2	33157.8	29343.3	14489.5	5823.4	3272.8	2330.7	1825.1	1569.1	1470.6	1457.5
57.5°	34181.9	39988.9	31736.4	12355.8	4379.0	2498.1	1795.6	1506.7	1385.3	1326.2	1322.9
60°	41321.6	47240.2	33814.3	9601.7	3134.9	1910.5	1483.7	1345.9	1250.7	1211.3	1208.0
62.5°	49810.5	53825.1	35107.6	6539.0	2356.9	1523.1	1306.5	1221.1	1165.3	1142.4	1139.1
65°	58535.7	57987.5	34490.5	4283.8	1789.0	1293.4	1171.9	1125.9	1076.7	1053.7	1053.7
67.5°	63689.4	57107.8	29753.7	2974.1	1418.1	1135.8	1057.0	1014.3	932.3	912.6	912.6
70°	56411.8	46275.1	19502.0	2176.4	1148.9	994.6	919.1	860.0	827.2	807.5	804.2
72.5°	37310.3	30111.5	10369.8	1510.0	958.5	846.9	778.0	755.0	715.6	695.9	692.6
75°	18569.8	15815.7	5314.6	1089.8	797.7	679.5	650.0	640.1	607.3	581.0	574.5
77.5°	7740.4	7041.2	2478.4	791.1	607.3	548.2	521.9	521.9	485.8	456.3	443.2
80°	2918.2	2599.8	1171.9	541.6	449.7	407.0	390.6	377.5	348.0	311.8	292.2
82.5°	3903.0	2550.6	574.5	338.1	295.4	262.6	239.6	229.8	213.4	197.0	183.8
85°	2527.6	1812.0	259.3	174.0	147.7	111.6	98.5	91.9	82.1	72.2	65.7
87.5°	515.4	607.3	78.8	32.8	19.7	9.8	9.8	3.3	0.0	0.0	0.0
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)