

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: P642298

Luminaire Tested: GWS-SA6C-750-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642298  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-750-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29527.4 lumens  
Efficiency: N/A  
Efficacy: 156.1 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): 189.2  
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

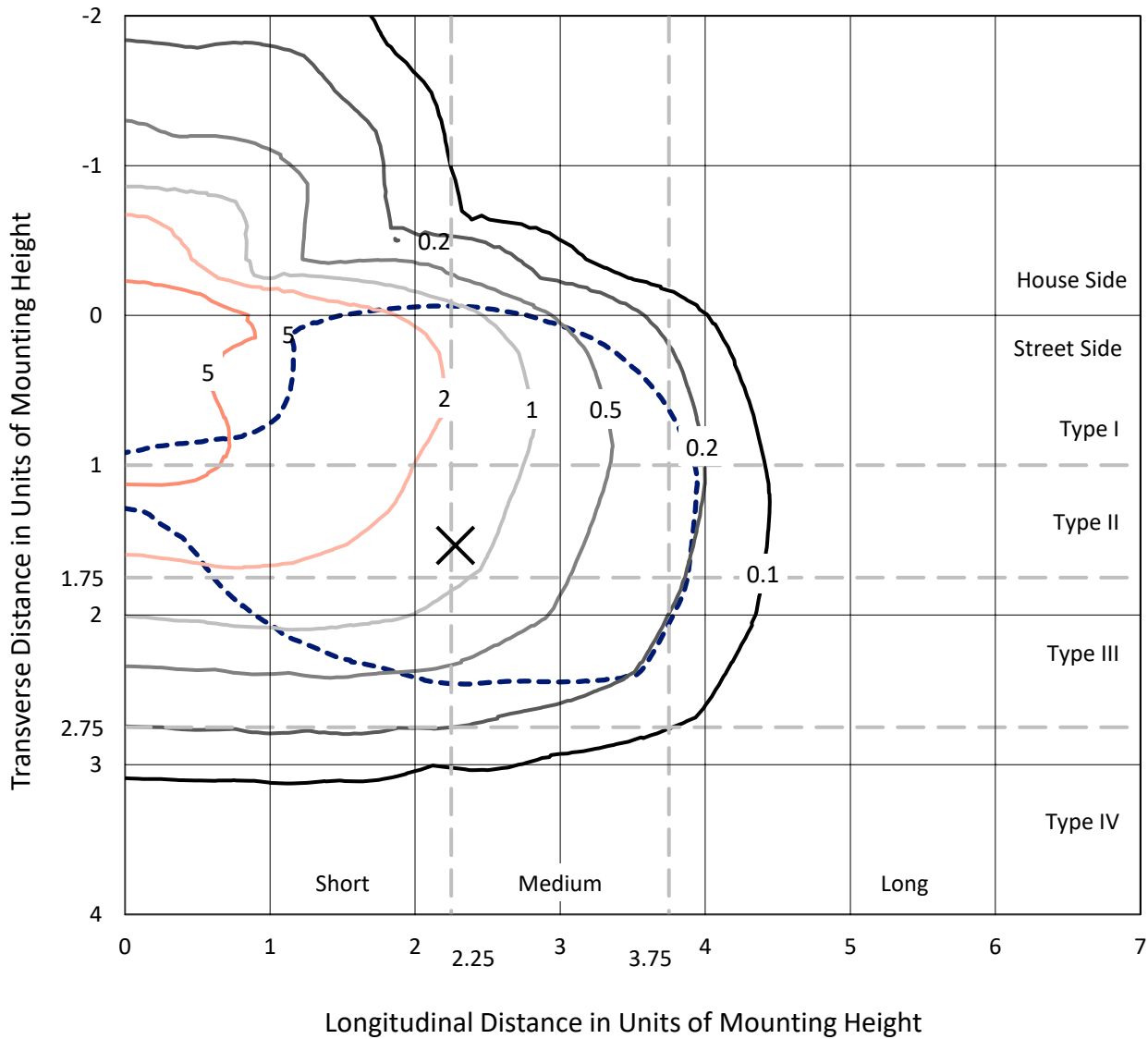


REPORT NUMBER: P642298

CATALOG NUMBER: GWS-SA6C-750-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

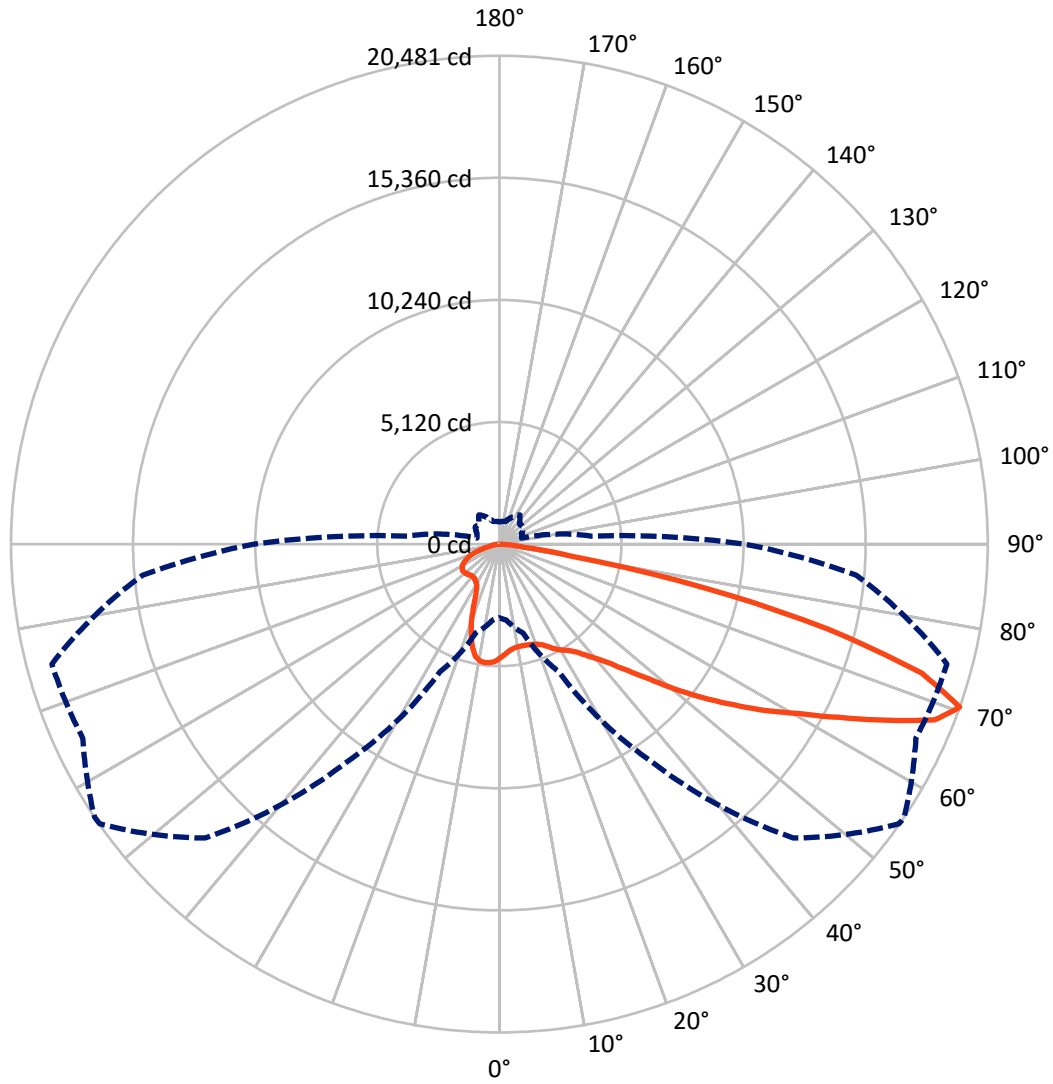
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P642298  
CATALOG NUMBER: GWS-SA6C-750-U-T3R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642298

CATALOG NUMBER: GWS-SA6C-750-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5676.7	0.0	5676.7
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	23850.7	0.0	23850.7
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	29527.4	0.0	29527.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.1	1.5
10°-20°	1195.1	4.0
20°-30°	1975.8	6.7
30°-40°	2954.0	10.0
40°-50°	4396.0	14.9
50°-60°	6249.8	21.2
60°-70°	7740.6	26.2
70°-80°	4274.1	14.5
80°-90°	301.0	1.0
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°	29527.4	100.0
0°-180°	29527.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642298

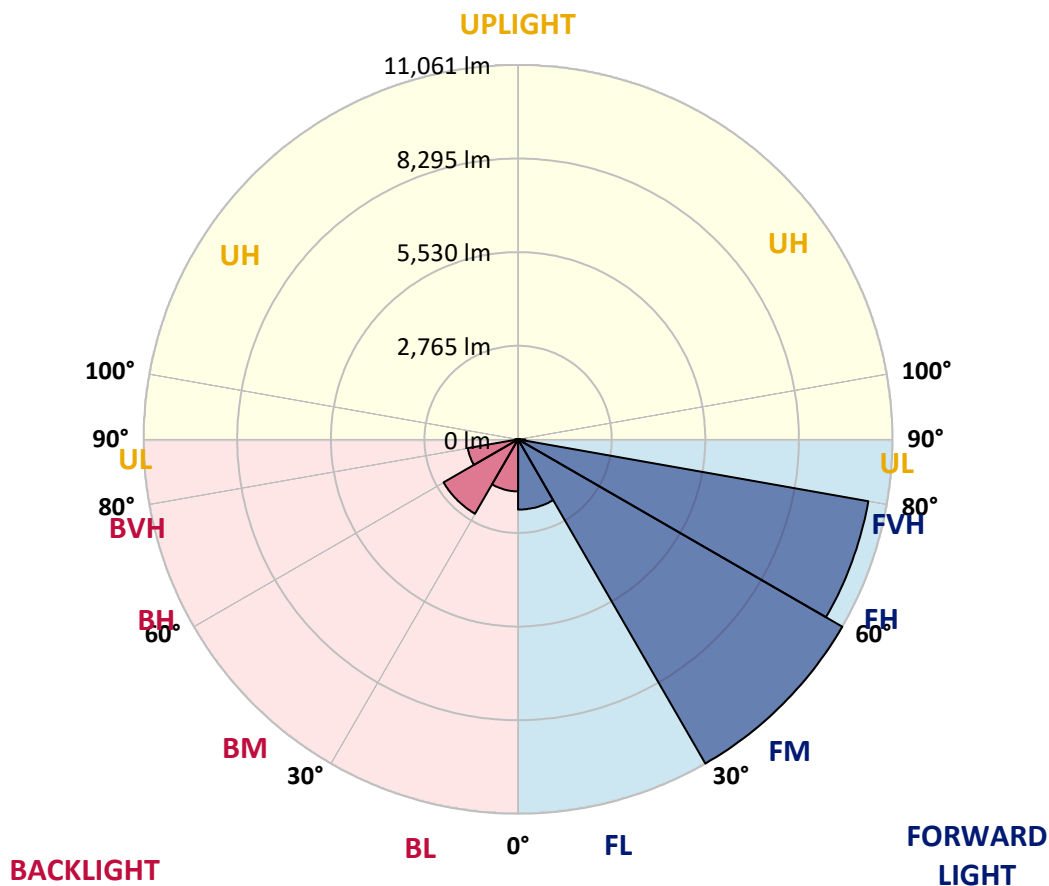
CATALOG NUMBER: GWS-SA6C-750-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2075.1	7.0			
FM (30°-60°)	11060.5	37.5			
FH (60°-80°)	10505.9	35.6			G4/12000
FVH (80°-90°)	209.2	0.7			G2/225
BL (0°-30°)	1536.7	5.2	B3/2500		
BM (30°-60°)	2539.3	8.6	B3/5000		
BH (60°-80°)	1508.8	5.1	B3/2500		G3/2500
BVH (80°-90°)	91.8	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: P642298  
 CATALOG NUMBER: GWS-SA6C-750-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2
2.5°	4460.1	4435.1	4464.3	4478.8	4516.3	4570.4	4618.3	4620.4	4645.4	4705.8	4764.1
5°	4258.1	4245.6	4254.0	4297.7	4337.2	4406.0	4478.8	4485.1	4555.9	4674.6	4791.2
7.5°	4102.0	4085.3	4116.5	4172.7	4222.7	4299.8	4395.5	4403.9	4503.8	4682.9	4862.0
10°	3877.1	3864.6	3922.9	3997.8	4106.1	4233.1	4360.1	4370.6	4501.7	4737.0	4986.9
12.5°	3779.2	3779.2	3804.2	3875.0	3993.7	4162.3	4353.9	4370.6	4535.1	4820.3	5147.2
15°	3931.2	3941.6	3920.8	3916.6	3964.5	4124.9	4362.2	4387.2	4597.5	4905.7	5305.5
17.5°	4237.3	4247.7	4193.6	4108.2	4060.3	4160.3	4393.5	4420.5	4664.1	4999.4	5476.2
20°	4666.2	4678.7	4560.0	4428.9	4264.4	4262.3	4453.8	4478.8	4749.5	5101.4	5657.4
22.5°	5168.0	5176.4	5026.5	4818.2	4566.3	4451.8	4558.0	4582.9	4859.9	5243.0	5853.1
25°	5749.0	5774.0	5592.8	5290.9	4949.4	4712.0	4730.8	4759.9	5057.7	5432.5	6084.2
27.5°	6369.5	6400.7	6192.5	5859.3	5388.8	4999.4	4953.6	4978.6	5268.0	5549.1	6207.1
30°	7004.6	7027.5	6819.2	6438.2	5861.4	5324.2	5141.0	5155.5	5359.6	5605.3	6332.0
32.5°	7710.4	7691.7	7491.8	7052.4	6407.0	5713.6	5315.9	5311.7	5461.6	5717.7	6511.1
35°	8372.6	8399.6	8187.2	7702.1	7006.6	6194.6	5578.2	5561.6	5678.2	5901.0	6763.0
37.5°	9174.2	9165.9	8911.9	8387.1	7608.4	6654.7	5946.8	5917.6	5959.3	6186.2	7114.9
40°	9746.8	9805.1	9640.6	9151.3	8312.2	7221.1	6377.8	6313.3	6323.7	6538.1	7585.5
42.5°	10215.3	10269.5	10286.1	9973.8	9118.0	7920.7	6915.0	6850.5	6856.7	7160.7	8164.3
45°	10575.5	10648.4	10883.7	10792.1	10025.8	8728.6	7641.7	7575.1	7579.2	7916.6	8864.0
47.5°	10723.4	10802.5	11279.3	11498.0	10989.9	9694.8	8545.4	8447.5	8462.1	8834.8	9663.5
50°	10675.5	10781.7	11427.2	12041.4	11797.8	10677.6	9626.1	9557.3	9501.1	10042.5	10531.8
52.5°	10263.2	10379.8	11412.6	12387.1	12457.9	11606.2	10742.1	10702.6	10690.1	11325.1	11502.1
55°	9049.3	9245.0	10910.8	12478.7	12974.2	12480.8	11951.9	11885.2	11949.8	12699.4	12482.8
57.5°	8376.7	8522.5	9928.0	12376.7	13396.9	13313.6	13159.6	13165.8	13238.7	14192.3	13671.8
60°	7993.6	8164.3	9382.4	12097.6	13803.0	14325.6	14423.5	14423.5	14554.6	15801.9	14879.5
62.5°	7485.5	7658.4	8872.3	11560.4	14177.8	15516.6	16012.2	16005.9	16058.0	17528.0	16060.1
65°	6454.8	6615.2	7847.8	10713.0	14361.0	16828.4	17817.5	17798.7	17694.6	19064.7	16840.9
67.5°	4687.1	4839.1	6011.3	9101.3	13700.9	17886.2	19676.9	19685.2	19062.6	20032.9	16882.6
70°	3090.0	3194.1	3864.6	5911.4	11141.9	17430.2	20455.6	20480.6	19272.9	19429.1	15025.2
72.5°	1928.1	2001.0	2413.3	3525.2	6583.9	13796.7	18456.7	18525.4	17338.6	17074.1	12345.4
75°	1280.6	1330.5	1605.4	2055.1	3046.3	7466.8	14029.9	14250.6	13896.7	13384.4	8601.6
77.5°	770.4	812.1	1022.4	1305.5	1349.3	2917.2	8189.3	8759.9	8809.8	6987.9	3602.2
80°	351.9	399.8	564.3	745.4	718.4	1016.1	2888.0	3021.3	3564.7	2219.6	1136.9
82.5°	208.2	229.0	374.8	370.6	306.1	493.5	1039.0	1066.1	905.8	812.1	485.2
85°	83.3	97.9	158.2	139.5	112.4	160.3	391.5	410.2	393.5	354.0	179.1
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	35.4	37.5	54.1	97.9	54.1
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°	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2	4766.2
2.5°	4801.6	4789.1	4851.5	4899.4	4920.3	4941.1	4922.3	4916.1	4916.1	4874.5	4853.6
5°	4853.6	4859.9	4945.2	4984.8	4984.8	4968.2	4918.2	4882.8	4870.3	4816.1	4801.6
7.5°	4951.5	4978.6	5057.7	5055.6	4997.3	4905.7	4780.8	4685.0	4597.5	4560.0	4537.1
10°	5111.8	5147.2	5201.4	5113.9	4951.5	4710.0	4445.5	4237.3	4112.4	4012.4	4012.4
12.5°	5295.1	5328.4	5318.0	5116.0	4780.8	4328.9	3947.9	3708.4	3533.5	3441.9	3441.9
15°	5478.3	5505.4	5392.9	5020.2	4424.7	3822.9	3406.5	3119.1	2967.1	2881.8	2881.8
17.5°	5663.6	5661.5	5424.2	4799.5	3960.4	3262.8	2854.7	2631.9	2579.9	2565.3	2563.2
20°	5842.7	5794.8	5384.6	4430.9	3421.1	2698.5	2440.3	2454.9	2532.0	2565.3	2569.4
22.5°	6044.7	5926.0	5268.0	3960.4	2808.9	2307.1	2323.7	2444.5	2557.0	2606.9	2613.2
25°	6250.8	6038.4	5072.3	3408.6	2296.7	2163.4	2292.5	2427.9	2554.9	2619.4	2625.7
27.5°	6334.1	6038.4	4739.1	2769.3	2023.9	2103.0	2244.6	2375.8	2509.1	2584.0	2598.6
30°	6402.8	5986.4	4272.7	2192.6	1911.5	2044.7	2167.6	2288.3	2419.5	2511.1	2527.8
32.5°	6498.6	5940.5	3708.4	1842.8	1859.4	1988.5	2073.9	2175.9	2294.6	2355.0	2348.7
35°	6611.0	5869.7	3027.5	1676.2	1815.7	1940.6	2001.0	2061.4	2007.2	2005.2	2011.4
37.5°	6771.3	5807.3	2434.1	1601.2	1786.5	1907.3	1957.3	1828.2	1753.2	1722.0	1709.5
40°	7002.5	5782.3	1919.8	1557.5	1782.4	1905.2	1869.8	1669.9	1567.9	1459.6	1457.5
42.5°	7294.0	5763.6	1586.6	1536.7	1796.9	1953.1	1749.1	1565.8	1355.5	1307.6	1303.5
45°	7668.8	5734.4	1420.1	1532.5	1832.3	1990.6	1736.6	1422.1	1278.5	1257.7	1257.7
47.5°	8120.6	5688.6	1345.1	1532.5	1871.9	1973.9	1699.1	1390.9	1243.1	1266.0	1280.6
50°	8639.1	5630.3	1305.5	1528.3	1911.5	1973.9	1620.0	1384.7	1234.7	1353.4	1401.3
52.5°	9193.0	5563.7	1278.5	1511.7	1938.5	1976.0	1624.1	1405.5	1243.1	1374.3	1413.8
55°	9805.1	5553.3	1241.0	1476.3	1946.9	1921.9	1634.5	1451.3	1255.6	1245.2	1247.2
57.5°	10577.6	5678.2	1213.9	1424.2	1913.6	1811.5	1655.4	1484.6	1241.0	1243.1	1257.7
60°	11385.5	5913.5	1236.8	1374.3	1844.8	1707.4	1669.9	1468.0	1170.2	1136.9	1141.1
62.5°	12072.6	6092.5	1255.6	1351.4	1744.9	1615.8	1655.4	1430.5	1130.6	1122.3	1141.1
65°	12360.0	5944.7	1209.8	1303.5	1599.1	1503.4	1624.1	1382.6	1097.3	1066.1	1068.2
67.5°	12041.4	5251.3	1120.2	1197.3	1434.6	1359.7	1574.2	1320.1	1051.5	1014.0	1005.7
70°	10286.1	3858.3	966.1	1028.6	1234.7	1191.0	1497.1	1238.9	978.6	951.6	932.8
72.5°	8289.3	2731.9	801.7	818.3	968.2	1003.6	1363.8	1136.9	895.3	818.3	791.2
75°	5769.8	1715.7	668.4	651.7	699.6	766.3	1064.0	943.2	772.5	691.3	666.3
77.5°	2482.0	880.8	522.6	514.3	466.4	531.0	816.2	787.1	647.6	553.9	539.3
80°	830.8	510.1	376.9	362.3	310.2	372.7	574.7	628.8	508.1	410.2	385.2
82.5°	416.4	295.7	239.5	216.5	208.2	235.3	339.4	391.5	351.9	283.2	239.5
85°	204.1	168.7	131.2	129.1	108.3	102.0	141.6	166.6	158.2	116.6	110.4
87.5°	75.0	66.6	41.6	33.3	20.8	14.6	8.3	8.3	6.2	6.2	6.2
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)