

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: P641803

Luminaire Tested: GWS-SA6B-750-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641803  
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-SA6B-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**

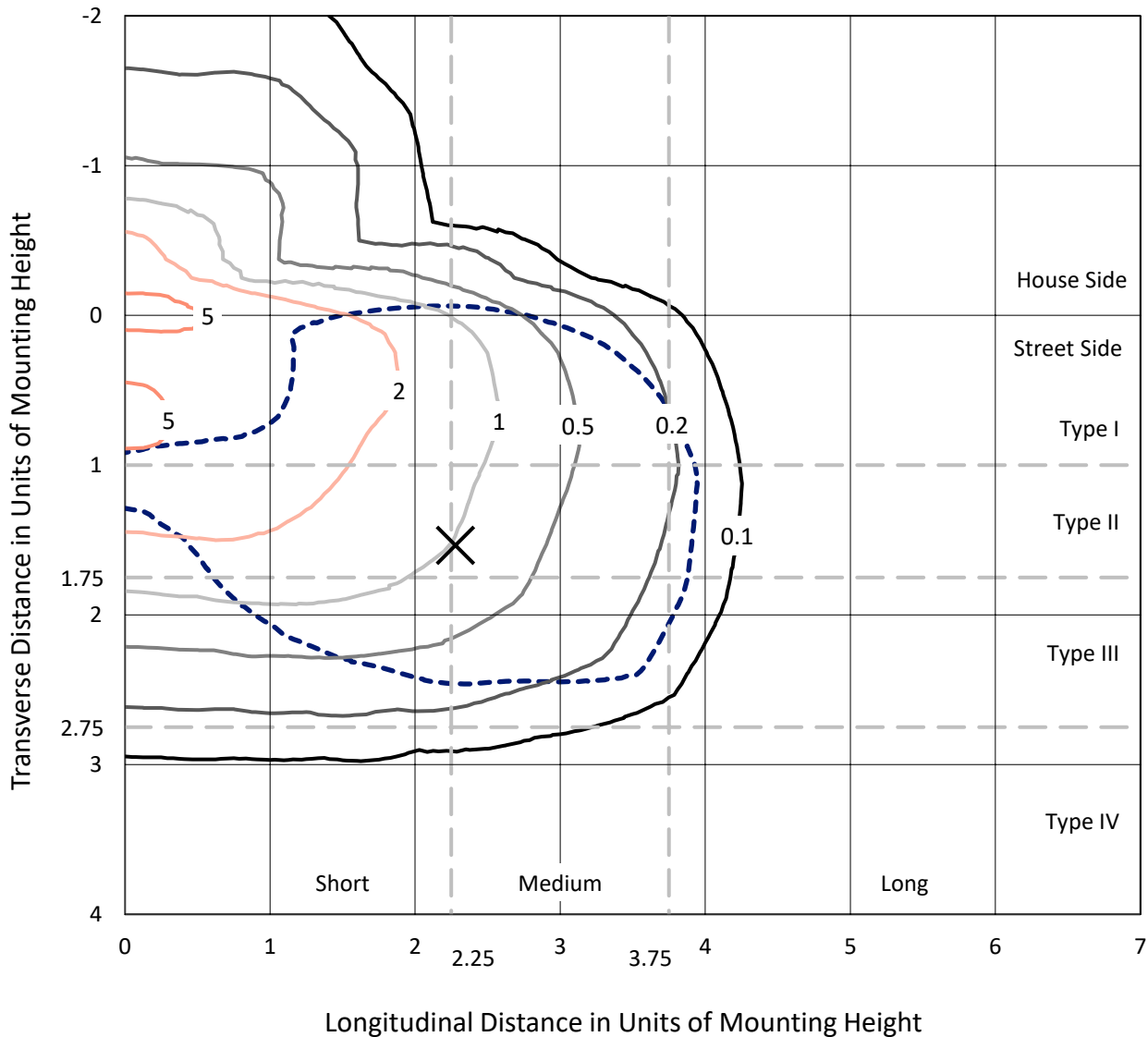
Lumens per Lamp: N/A  
Luminaire Lumens: 22017.2 lumens  
Efficiency: N/A  
Efficacy: 158.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

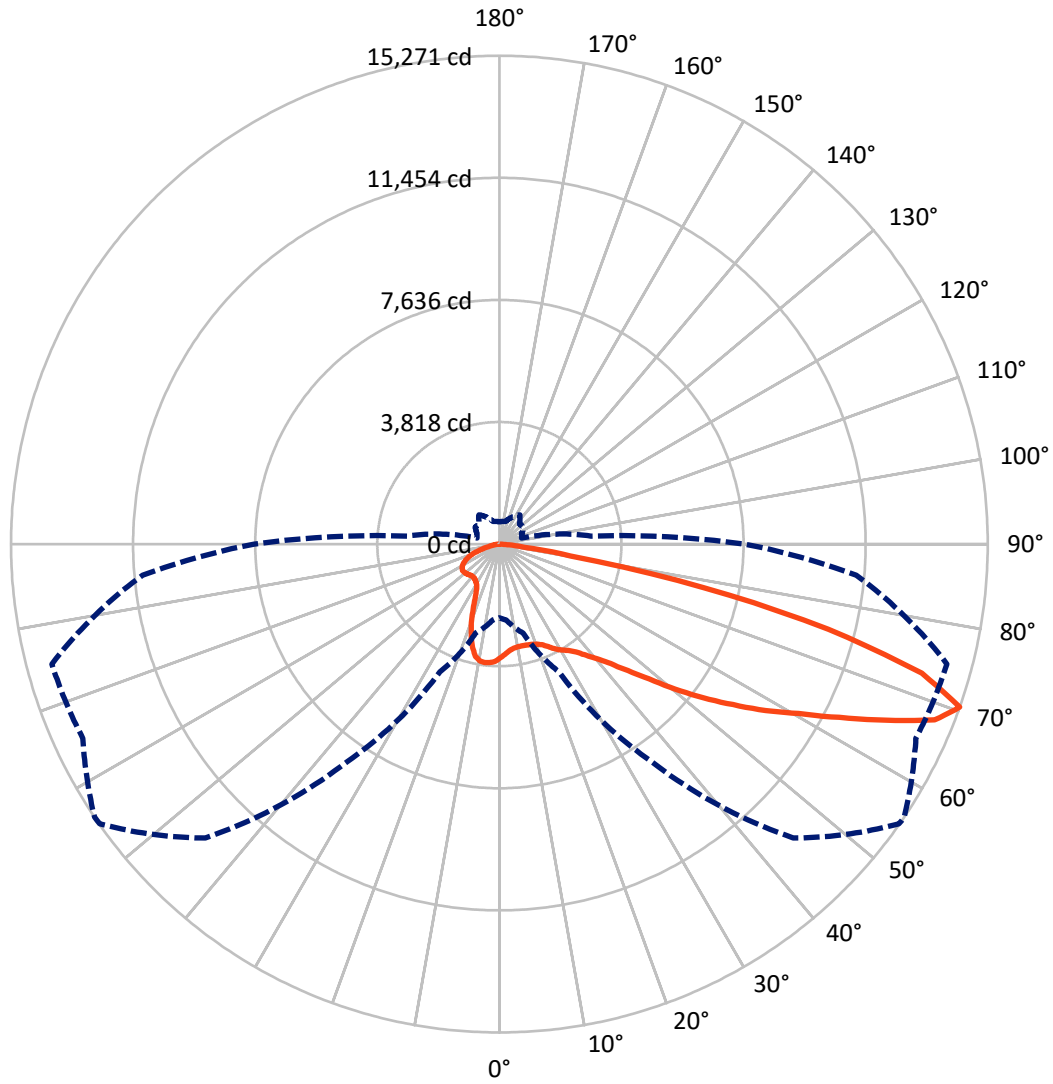
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Medium - N/A

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CATALOG NUMBER: GWS-SA6B-750-U-T3R-W

### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4232.8	0.0	4232.8
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	17784.4	0.0	17784.4
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	22017.2	0.0	22017.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.9	1.5
10°-20°	891.1	4.0
20°-30°	1473.2	6.7
30°-40°	2202.7	10.0
40°-50°	3277.9	14.9
50°-60°	4660.2	21.2
60°-70°	5771.8	26.2
70°-80°	3187.0	14.5
80°-90°	224.5	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°	22017.2	100.0
0°-180°	22017.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641803

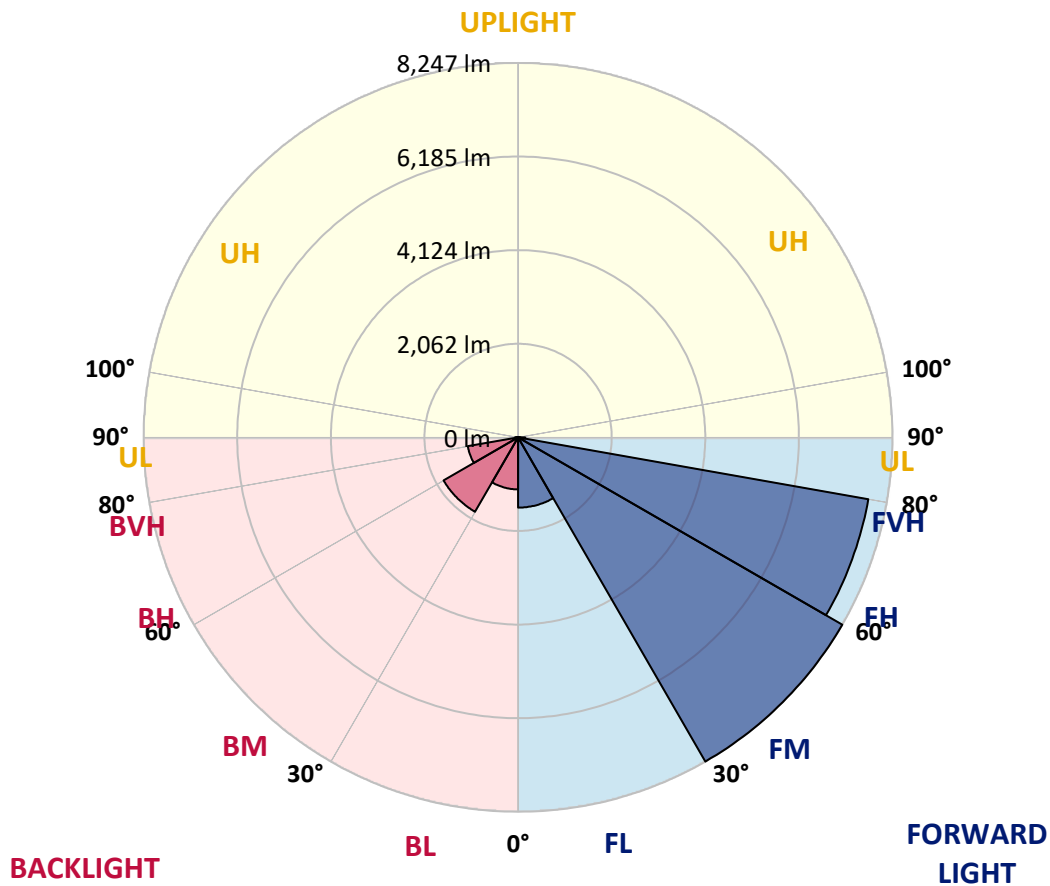
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1547.3	7.0			
FM (30°-60°)	8247.3	37.5			
FH (60°-80°)	7833.7	35.6			G4/12000
FVH (80°-90°)	156.0	0.7			G2/225
BL (0°-30°)	1145.9	5.2	B3/2500		
BM (30°-60°)	1893.4	8.6	B2/2500		
BH (60°-80°)	1125.1	5.1	B3/2500		G3/2500
BVH (80°-90°)	68.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9
2.5°	3325.7	3307.1	3328.8	3339.7	3367.6	3408.0	3443.7	3445.2	3463.9	3508.9	3552.4
5°	3175.1	3165.8	3172.0	3204.6	3234.1	3285.3	3339.7	3344.3	3397.1	3485.6	3572.5
7.5°	3058.6	3046.2	3069.5	3111.4	3148.7	3206.1	3277.6	3283.8	3358.3	3491.8	3625.3
10°	2891.0	2881.6	2925.1	2981.0	3061.7	3156.4	3251.2	3258.9	3356.7	3532.2	3718.5
12.5°	2818.0	2818.0	2836.6	2889.4	2977.9	3103.7	3246.5	3258.9	3381.6	3594.3	3838.0
15°	2931.3	2939.1	2923.6	2920.5	2956.2	3075.7	3252.7	3271.3	3428.2	3657.9	3956.0
17.5°	3159.6	3167.3	3126.9	3063.3	3027.6	3102.1	3276.0	3296.2	3477.8	3727.8	4083.4
20°	3479.4	3488.7	3400.2	3302.4	3179.7	3178.2	3321.0	3339.7	3541.5	3803.9	4218.4
22.5°	3853.6	3859.8	3748.0	3592.7	3404.9	3319.5	3398.7	3417.3	3623.8	3909.5	4364.4
25°	4286.7	4305.4	4170.3	3945.2	3690.5	3513.5	3527.5	3549.3	3771.3	4050.7	4536.7
27.5°	4749.4	4772.7	4617.4	4369.0	4018.1	3727.8	3693.6	3712.3	3928.1	4137.7	4628.3
30°	5223.0	5240.0	5084.8	4800.7	4370.6	3970.0	3833.4	3844.3	3996.4	4179.6	4721.5
32.5°	5749.3	5735.3	5586.3	5258.7	4777.4	4260.4	3963.8	3960.7	4072.5	4263.5	4855.0
35°	6243.0	6263.2	6104.8	5743.1	5224.5	4619.0	4159.4	4147.0	4234.0	4400.1	5042.9
37.5°	6840.8	6834.6	6645.2	6253.9	5673.2	4962.1	4434.2	4412.5	4443.6	4612.8	5305.3
40°	7267.7	7311.2	7188.6	6823.7	6198.0	5384.4	4755.6	4707.5	4715.3	4875.2	5656.1
42.5°	7617.1	7657.5	7669.9	7437.0	6798.9	5906.1	5156.2	5108.1	5112.7	5339.4	6087.8
45°	7885.7	7940.0	8115.5	8047.2	7475.8	6508.5	5698.1	5648.4	5651.5	5903.0	6609.4
47.5°	7995.9	8054.9	8410.5	8573.5	8194.7	7228.9	6371.9	6298.9	6309.8	6587.7	7205.6
50°	7960.2	8039.4	8520.7	8978.7	8797.1	7961.8	7177.7	7126.5	7084.5	7488.2	7853.1
52.5°	7652.8	7739.7	8509.8	9236.5	9289.2	8654.2	8009.9	7980.4	7971.1	8444.6	8576.6
55°	6747.6	6893.6	8135.7	9304.8	9674.3	9306.3	8912.0	8862.3	8910.4	9469.3	9307.9
57.5°	6246.1	6354.8	7402.8	9228.7	9989.5	9927.4	9812.5	9817.1	9871.5	10582.6	10194.4
60°	5960.5	6087.8	6996.0	9020.6	10292.2	10681.9	10754.9	10754.9	10852.7	11782.7	11094.9
62.5°	5581.6	5710.5	6615.7	8620.1	10571.7	11570.0	11939.5	11934.9	11973.7	13069.8	11975.2
65°	4813.1	4932.6	5851.8	7988.2	10708.3	12548.2	13285.6	13271.7	13194.0	14215.7	12557.5
67.5°	3494.9	3608.3	4482.4	6786.4	10216.1	13336.9	14672.1	14678.3	14214.1	14937.6	12588.5
70°	2304.1	2381.7	2881.6	4407.8	8308.0	12996.9	15252.8	15271.4	14370.9	14487.4	11203.6
72.5°	1437.7	1492.1	1799.5	2628.6	4909.3	10287.6	13762.3	13813.5	12928.5	12731.4	9205.4
75°	954.9	992.1	1197.1	1532.4	2271.5	5567.6	10461.5	10626.0	10362.1	9980.2	6413.8
77.5°	574.5	605.5	762.3	973.5	1006.1	2175.2	6106.4	6531.8	6569.1	5210.5	2686.0
80°	262.4	298.1	420.8	555.8	535.6	757.7	2153.5	2252.8	2658.1	1655.1	847.7
82.5°	155.3	170.8	279.5	276.4	228.2	368.0	774.8	794.9	675.4	605.5	361.8
85°	62.1	73.0	118.0	104.0	83.8	119.6	291.9	305.9	293.4	263.9	133.5
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	26.4	27.9	40.4	73.0	40.4
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°	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9	3553.9
2.5°	3580.3	3571.0	3617.6	3653.3	3668.8	3684.3	3670.4	3665.7	3665.7	3634.7	3619.1
5°	3619.1	3623.8	3687.4	3716.9	3716.9	3704.5	3667.3	3640.9	3631.5	3591.2	3580.3
7.5°	3692.1	3712.3	3771.3	3769.7	3726.3	3657.9	3564.8	3493.4	3428.2	3400.2	3383.1
10°	3811.6	3838.0	3878.4	3813.2	3692.1	3512.0	3314.8	3159.6	3066.4	2991.9	2991.9
12.5°	3948.3	3973.1	3965.4	3814.8	3564.8	3227.9	2943.7	2765.2	2634.8	2566.5	2566.5
15°	4084.9	4105.1	4021.2	3743.3	3299.3	2850.6	2540.1	2325.8	2212.5	2148.8	2148.8
17.5°	4223.1	4221.5	4044.5	3578.8	2953.1	2432.9	2128.6	1962.5	1923.7	1912.8	1911.3
20°	4356.6	4320.9	4015.0	3303.9	2550.9	2012.2	1819.7	1830.5	1888.0	1912.8	1915.9
22.5°	4507.2	4418.7	3928.1	2953.1	2094.5	1720.3	1732.7	1822.8	1906.6	1943.9	1948.5
25°	4660.9	4502.6	3782.1	2541.6	1712.5	1613.2	1709.4	1810.3	1905.0	1953.2	1957.8
27.5°	4723.0	4502.6	3533.7	2065.0	1509.1	1568.1	1673.7	1771.5	1870.9	1926.8	1937.7
30°	4774.3	4463.7	3185.9	1634.9	1425.3	1524.7	1616.3	1706.3	1804.1	1872.4	1884.9
32.5°	4845.7	4429.6	2765.2	1374.1	1386.5	1482.7	1546.4	1622.5	1711.0	1756.0	1751.3
35°	4929.5	4376.8	2257.5	1249.8	1353.9	1447.0	1492.1	1537.1	1496.7	1495.2	1499.8
37.5°	5049.1	4330.2	1815.0	1194.0	1332.1	1422.2	1459.4	1363.2	1307.3	1284.0	1274.7
40°	5221.4	4311.6	1431.5	1161.3	1329.0	1420.6	1394.2	1245.2	1169.1	1088.4	1086.8
42.5°	5438.8	4297.6	1183.1	1145.8	1339.9	1456.3	1304.2	1167.6	1010.7	975.0	971.9
45°	5718.2	4275.9	1058.9	1142.7	1366.3	1484.3	1294.9	1060.4	953.3	937.8	937.8
47.5°	6055.2	4241.7	1003.0	1142.7	1395.8	1471.9	1266.9	1037.1	926.9	944.0	954.9
50°	6441.8	4198.2	973.5	1139.6	1425.3	1471.9	1207.9	1032.5	920.7	1009.2	1044.9
52.5°	6854.8	4148.6	953.3	1127.2	1445.5	1473.4	1211.0	1048.0	926.9	1024.7	1054.2
55°	7311.2	4140.8	925.4	1100.8	1451.7	1433.1	1218.8	1082.2	936.2	928.5	930.0
57.5°	7887.2	4234.0	905.2	1062.0	1426.8	1350.8	1234.3	1107.0	925.4	926.9	937.8
60°	8489.6	4409.4	922.2	1024.7	1375.6	1273.1	1245.2	1094.6	872.6	847.7	850.8
62.5°	9002.0	4542.9	936.2	1007.6	1301.1	1204.8	1234.3	1066.6	843.1	836.9	850.8
65°	9216.3	4432.7	902.1	971.9	1192.4	1121.0	1211.0	1030.9	818.2	794.9	796.5
67.5°	8978.7	3915.7	835.3	892.7	1069.7	1013.9	1173.8	984.4	784.1	756.1	749.9
70°	7669.9	2877.0	720.4	767.0	920.7	888.1	1116.3	923.8	729.7	709.5	695.6
72.5°	6180.9	2037.0	597.8	610.2	722.0	748.4	1017.0	847.7	667.6	610.2	590.0
75°	4302.3	1279.3	498.4	486.0	521.7	571.4	793.4	703.3	576.0	515.5	496.8
77.5°	1850.7	656.8	389.7	383.5	347.8	395.9	608.6	586.9	482.9	413.0	402.1
80°	619.5	380.4	281.0	270.2	231.3	277.9	428.5	468.9	378.8	305.9	287.2
82.5°	310.5	220.5	178.5	161.5	155.3	175.4	253.1	291.9	262.4	211.2	178.5
85°	152.2	125.8	97.8	96.3	80.7	76.1	105.6	124.2	118.0	86.9	82.3
87.5°	55.9	49.7	31.1	24.8	15.5	10.9	6.2	6.2	4.7	4.7	4.7
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)