

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: P642520

Luminaire Tested: GWS-SA6D-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25486.6 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

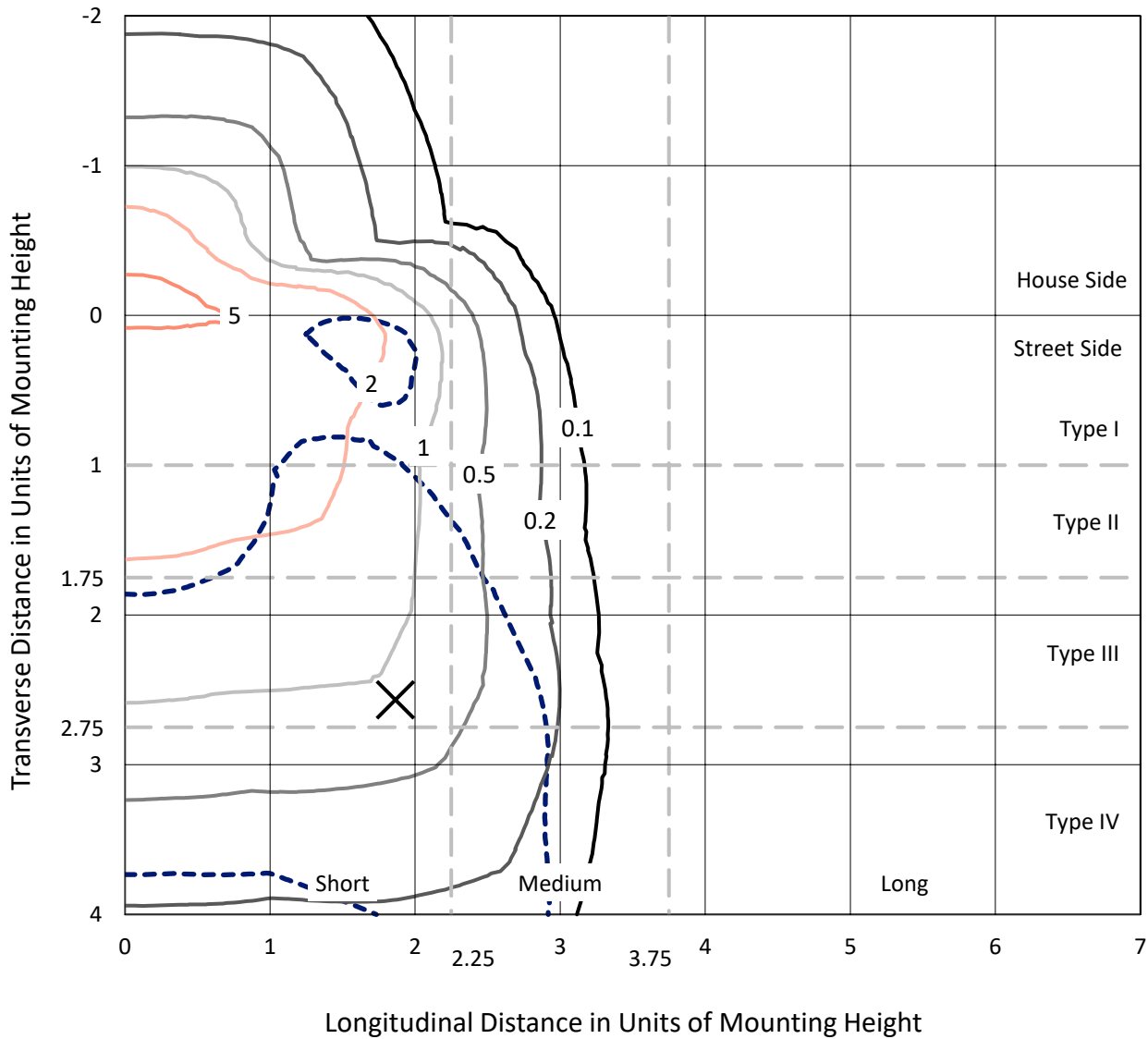
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

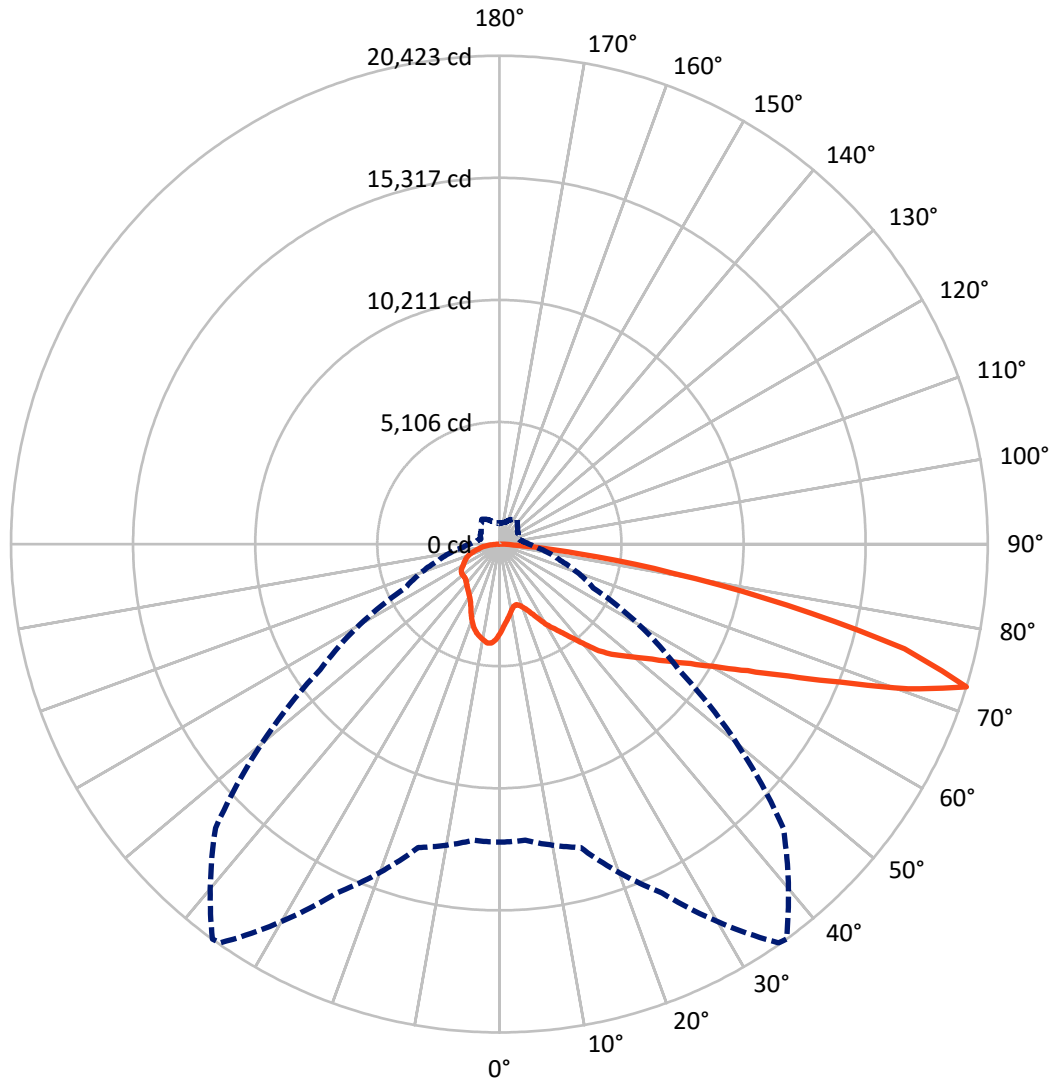
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5875.8	0.0	5875.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	19610.8	0.0	19610.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	25486.6	0.0	25486.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.7	1.4
10°-20°	983.7	3.9
20°-30°	1629.1	6.4
30°-40°	2439.8	9.6
40°-50°	3559.4	14.0
50°-60°	5066.2	19.9
60°-70°	6400.7	25.1
70°-80°	4561.1	17.9
80°-90°	497.9	2.0
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°	25486.6	100.0
0°-180°	25486.6	100.0

Coefficient of Utilization



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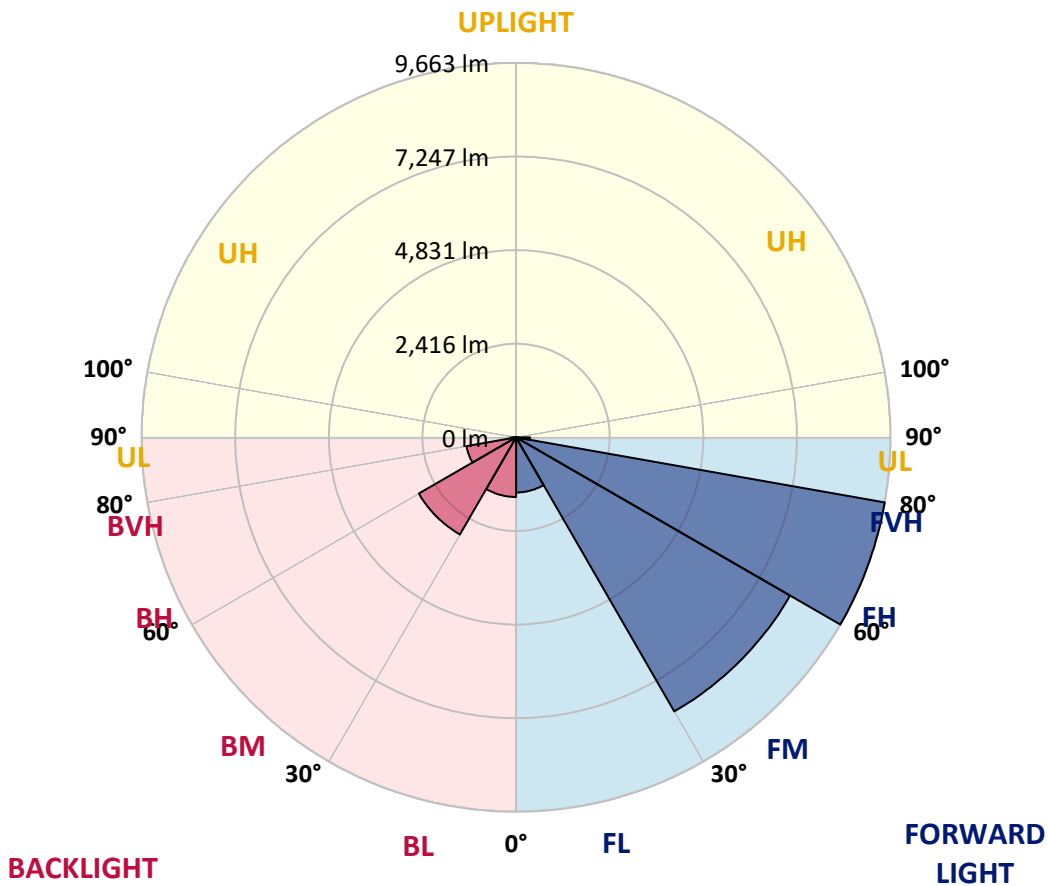
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1422.8	5.6			
FM (30°-60°)	8167.8	32.0			
FH (60°-80°)	9662.8	37.9			G4/12000
FVH (80°-90°)	357.4	1.4			G3/500
BL (0°-30°)	1538.7	6.0	B3/2500		
BM (30°-60°)	2897.6	11.4	B3/5000		
BH (60°-80°)	1299.0	5.1	B3/2500		G3/2500
BVH (80°-90°)	140.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1
2.5°	3402.8	3397.2	3385.8	3419.9	3453.9	3450.1	3497.4	3542.8	3592.0	3643.1	3711.2
5°	3130.5	3126.7	3117.2	3168.3	3219.4	3217.5	3295.0	3368.8	3469.0	3578.8	3714.9
7.5°	2858.1	2848.6	2861.9	2926.2	2998.1	3005.6	3111.6	3232.6	3378.3	3542.8	3735.8
10°	2617.9	2616.0	2621.6	2693.5	2801.3	2808.9	2945.1	3113.4	3306.4	3525.8	3783.0
12.5°	2555.4	2551.7	2536.5	2572.5	2653.8	2665.2	2814.6	3020.8	3257.2	3535.3	3847.4
15°	2657.6	2648.1	2595.2	2578.1	2617.9	2627.3	2754.1	2965.9	3228.8	3552.3	3928.7
17.5°	2833.5	2827.8	2727.6	2657.6	2684.1	2691.6	2786.2	2956.4	3221.3	3586.3	4028.9
20°	3090.7	3066.2	2909.2	2803.2	2803.2	2814.6	2871.3	2998.1	3230.7	3627.9	4142.4
22.5°	3431.2	3382.0	3160.7	3017.0	2979.1	2994.3	3018.9	3102.1	3270.4	3697.9	4284.3
25°	3813.3	3767.9	3505.0	3302.6	3249.6	3255.3	3234.5	3249.6	3357.4	3794.4	4460.2
27.5°	4220.0	4189.7	3909.8	3652.5	3569.3	3569.3	3495.5	3459.6	3478.5	3904.1	4656.9
30°	4583.2	4541.5	4305.1	4023.3	3913.6	3913.6	3773.6	3696.0	3650.6	4038.4	4919.8
32.5°	4774.2	4749.6	4592.6	4377.0	4242.7	4221.9	4100.8	4010.0	3904.1	4237.0	5275.5
35°	5023.9	5018.2	4923.6	4755.3	4585.0	4554.8	4471.6	4399.7	4216.2	4484.8	5748.3
37.5°	5337.9	5328.4	5313.3	5213.0	5008.7	5003.1	4929.3	4842.3	4604.0	4842.3	6321.5
40°	5689.7	5672.7	5653.8	5651.9	5528.9	5508.1	5502.4	5404.1	5071.2	5273.6	6919.2
42.5°	6173.9	6115.3	5937.5	6016.9	6107.7	6088.8	6160.7	6013.1	5653.8	5786.2	7484.7
45°	6769.8	6626.0	6274.2	6296.9	6525.7	6563.6	6813.3	6777.3	6295.0	6378.2	8080.6
47.5°	7127.2	7002.4	6675.2	6656.3	6941.9	6989.2	7532.0	7600.1	6985.4	7091.3	8816.4
50°	7420.4	7333.4	7064.8	7091.3	7394.0	7441.2	8245.1	8390.8	7636.1	7821.4	9671.3
52.5°	7774.1	7649.3	7441.2	7566.1	7936.8	7993.6	9037.7	9194.7	8222.4	8623.4	10556.6
55°	7972.8	7921.7	7925.5	8116.5	8581.8	8659.4	9868.1	9841.6	8759.6	9310.1	11222.4
57.5°	8430.5	8411.6	8585.6	8657.5	9334.7	9434.9	10698.4	10471.5	9247.6	9841.6	11542.1
60°	9238.2	9190.9	9342.2	9451.9	10265.3	10407.1	11625.3	11088.1	9578.7	10236.9	11434.2
62.5°	10373.1	10314.5	10320.1	10494.2	11511.8	11661.2	12656.2	11602.6	9680.8	10297.4	10751.4
65°	11784.2	11699.1	11602.6	11839.0	13166.9	13291.7	13777.8	11977.1	9436.8	9714.8	9325.2
67.5°	13272.8	13202.8	13089.3	13584.9	15310.0	15385.6	15035.7	11945.0	8663.2	8156.2	6540.9
70°	13359.8	13376.8	13914.0	15707.2	18107.5	18126.4	16225.5	11298.1	7015.6	5286.8	3259.1
72.5°	12463.2	12434.9	13134.7	16094.9	20358.4	20422.7	16787.2	9153.1	4335.4	2636.8	1528.3
75°	10123.4	10172.6	10908.4	14082.4	17449.3	17506.0	13685.1	5396.5	2059.9	1290.0	977.9
77.5°	4358.1	4632.3	6083.1	9921.0	12497.3	12321.4	7053.5	2186.6	1099.0	919.3	749.0
80°	1257.9	1365.7	2167.7	4717.5	7488.5	7356.1	2791.9	819.0	766.1	690.4	537.2
82.5°	406.7	450.2	794.4	1878.3	3355.6	3351.8	1059.3	484.2	501.3	469.1	346.1
85°	113.5	130.5	244.0	569.3	1038.4	1017.6	306.4	228.9	266.7	270.5	172.1
87.5°	0.0	0.0	1.9	3.8	3.8	3.8	7.6	34.0	77.6	98.4	70.0
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°	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1	3730.1
2.5°	3752.8	3747.1	3824.7	3885.2	3941.9	3979.8	3991.1	3998.7	4013.8	4021.4	4013.8
5°	3779.3	3807.6	3936.3	4030.8	4106.5	4151.9	4153.8	4150.0	4161.3	4151.9	4146.2
7.5°	3836.0	3890.9	4053.5	4153.8	4203.0	4204.8	4159.5	4106.5	4080.0	4057.3	4049.7
10°	3911.7	3993.0	4170.8	4237.0	4221.9	4151.9	4051.6	3968.4	3921.1	3887.1	3879.5
12.5°	4015.7	4106.5	4274.8	4272.9	4178.4	4053.5	3936.3	3836.0	3767.9	3728.2	3714.9
15°	4114.1	4229.4	4350.5	4261.6	4112.2	3960.8	3809.5	3675.2	3584.4	3522.0	3510.7
17.5°	4235.1	4358.1	4405.4	4225.7	4028.9	3834.1	3631.7	3455.8	3332.9	3259.1	3253.4
20°	4375.1	4484.8	4431.8	4163.2	3921.1	3665.8	3391.5	3194.8	3062.4	2990.5	2996.2
22.5°	4537.8	4617.2	4439.4	4078.1	3771.7	3427.4	3121.0	2931.9	2843.0	2805.1	2807.0
25°	4711.8	4762.8	4426.2	3962.7	3542.8	3136.1	2843.0	2755.9	2748.4	2738.9	2742.7
27.5°	4918.0	4906.6	4386.4	3800.1	3234.5	2797.6	2648.1	2670.8	2701.1	2697.3	2701.1
30°	5194.1	5086.3	4335.4	3575.0	2867.5	2513.8	2532.7	2597.1	2636.8	2640.6	2651.9
32.5°	5510.0	5284.9	4254.0	3268.5	2517.6	2354.9	2424.9	2502.5	2549.8	2559.2	2574.4
35°	5886.4	5511.9	4110.3	2886.5	2266.0	2260.4	2324.7	2377.6	2428.7	2432.5	2432.5
37.5°	6319.6	5738.9	3881.4	2464.7	2110.9	2179.0	2239.6	2250.9	2264.1	2252.8	2258.5
40°	6716.8	5958.3	3556.1	2080.7	1984.2	2107.2	2158.2	2120.4	2078.8	2050.4	2056.1
42.5°	7049.7	6107.7	3124.8	1812.1	1855.6	2042.8	2082.6	2005.0	1923.7	1870.7	1878.3
45°	7424.2	6245.8	2617.9	1630.5	1745.9	1997.4	2023.9	1923.7	1819.6	1740.2	1728.8
47.5°	7940.6	6527.6	2167.7	1503.8	1668.3	1972.9	2016.4	1880.2	1744.0	1624.8	1611.6
50°	8578.0	6926.7	1791.3	1420.5	1632.4	1959.6	2014.5	1832.9	1670.2	1530.2	1520.8
52.5°	9274.1	7316.4	1513.2	1356.2	1596.4	1919.9	2005.0	1779.9	1592.7	1441.3	1430.0
55°	9737.5	7469.6	1326.0	1295.7	1537.8	1857.5	1967.2	1728.8	1475.4	1337.3	1320.3
57.5°	9873.7	7272.9	1195.4	1240.8	1462.1	1770.5	1895.3	1621.0	1403.5	1293.8	1280.6
60°	9639.2	6777.3	1114.1	1195.4	1378.9	1658.9	1770.5	1558.6	1346.8	1248.4	1238.9
62.5°	8977.2	6013.1	1051.7	1148.2	1293.8	1541.6	1691.0	1483.0	1284.3	1206.8	1193.5
65°	7645.5	4931.2	1000.6	1099.0	1212.5	1430.0	1604.0	1407.3	1216.2	1157.6	1142.5
67.5°	5347.3	3463.4	945.8	1040.3	1131.1	1322.2	1513.2	1337.3	1146.3	1102.8	1087.6
70°	2614.1	1836.7	879.6	972.2	1044.1	1212.5	1422.4	1252.2	1053.6	1029.0	1008.2
72.5°	1244.6	1027.1	802.0	879.6	925.0	1066.8	1271.1	1129.2	943.9	890.9	855.0
75°	834.2	730.1	699.9	769.8	781.2	894.7	1089.5	974.1	832.3	771.7	741.5
77.5°	631.8	558.0	588.3	650.7	628.0	735.8	896.6	868.2	750.9	696.1	680.9
80°	444.5	406.7	467.2	505.0	488.0	626.1	807.7	743.4	618.5	558.0	546.6
82.5°	279.9	272.4	344.3	349.9	355.6	495.6	663.9	584.5	480.4	395.3	367.0
85°	140.0	155.1	206.2	206.2	204.3	255.4	378.3	329.1	259.1	206.2	200.5
87.5°	47.3	66.2	88.9	71.9	54.9	43.5	49.2	60.5	64.3	62.4	62.4
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)