

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: P641748

Luminaire Tested: GWS-SA6B-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641748
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-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21523.9 lumens
Efficiency: N/A
Efficacy: 155.0 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

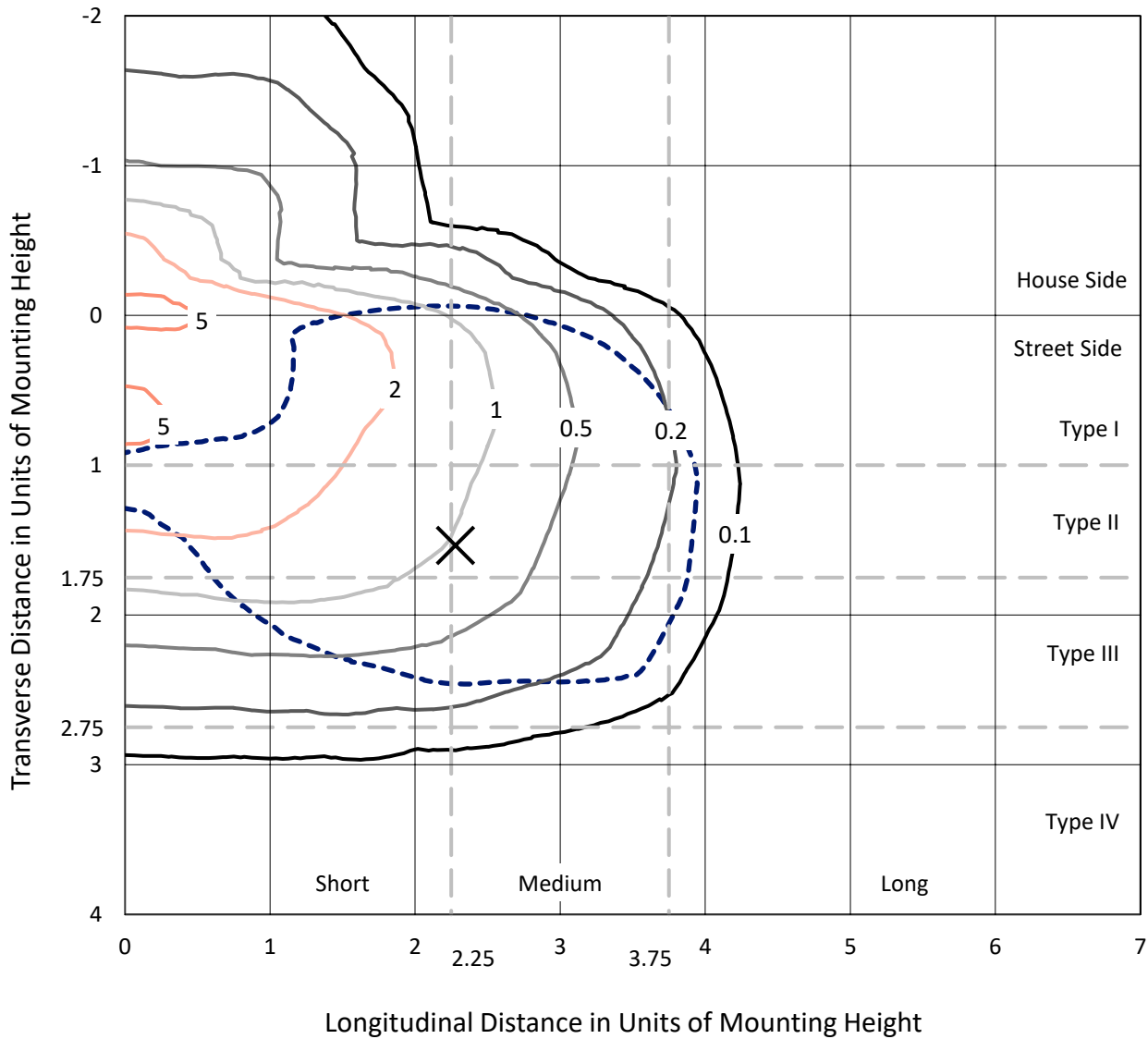


REPORT NUMBER: P641748

CATALOG NUMBER: GWS-SA6B-740-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

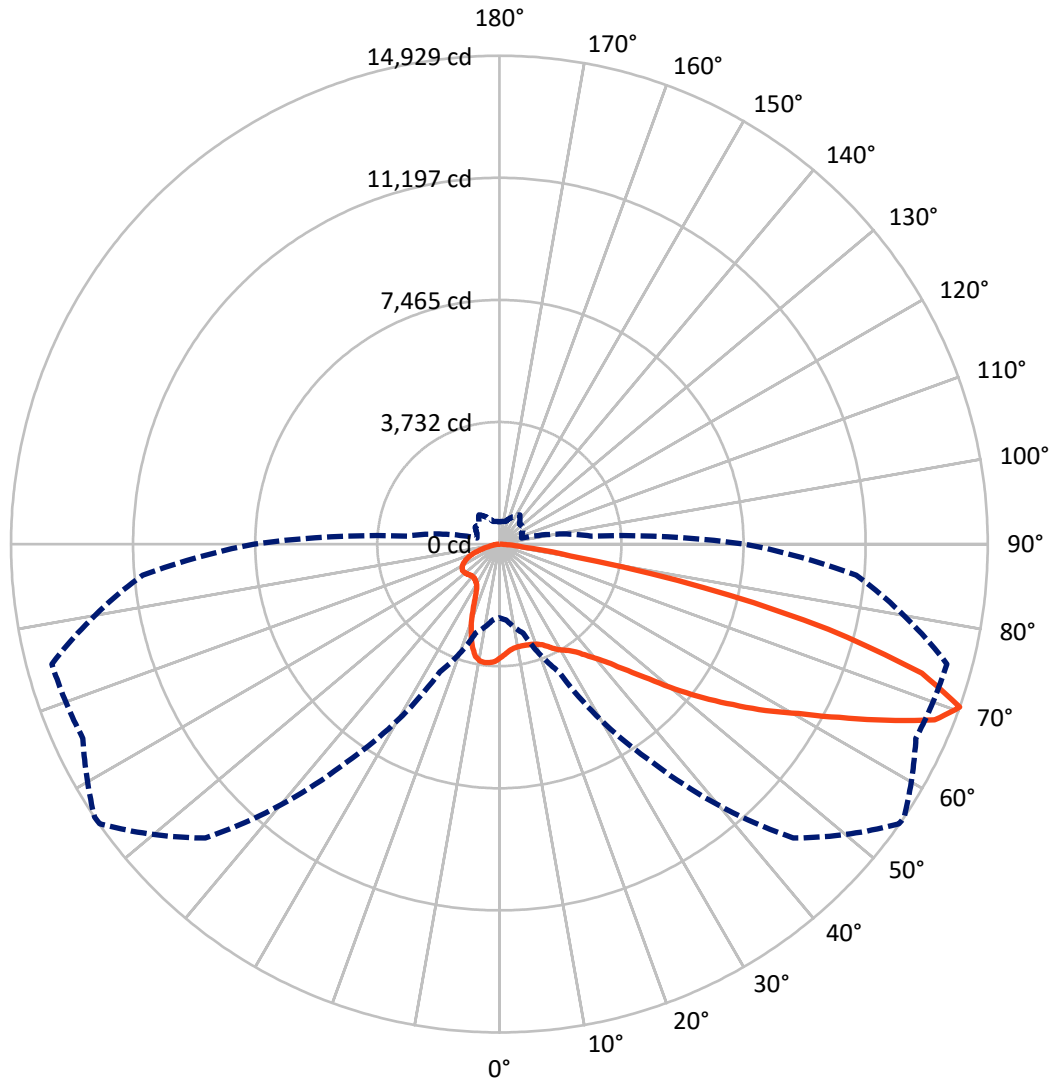
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P641748
CATALOG NUMBER: GWS-SA6B-740-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641748

CATALOG NUMBER: GWS-SA6B-740-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4138.0	0.0	4138.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	17385.9	0.0	17385.9
	% Fixture	80.8	0.0	80.8
Total	Lumens	21523.9	0.0	21523.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.5	1.5
10°-20°	871.1	4.0
20°-30°	1440.2	6.7
30°-40°	2153.3	10.0
40°-50°	3204.4	14.9
50°-60°	4555.8	21.2
60°-70°	5642.5	26.2
70°-80°	3115.6	14.5
80°-90°	219.4	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°	21523.9	100.0
0°-180°	21523.9	100.0

Coefficient of Utilization



REPORT NUMBER: P641748

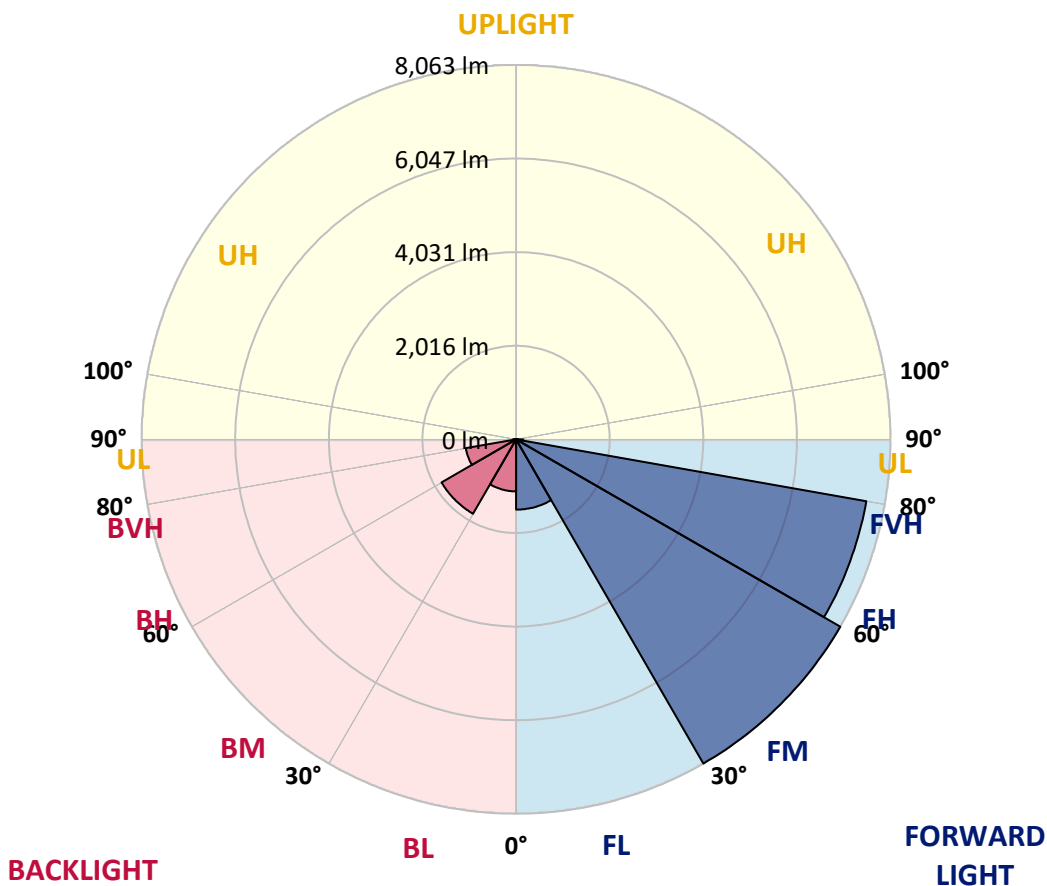
CATALOG NUMBER: GWS-SA6B-740-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1512.7	7.0			
FM (30°-60°)	8062.5	37.5			
FH (60°-80°)	7658.2	35.6			G4/12000
FVH (80°-90°)	152.5	0.7			G2/225
BL (0°-30°)	1120.2	5.2	B3/2500		
BM (30°-60°)	1851.0	8.6	B2/2500		
BH (60°-80°)	1099.9	5.1	B3/2500		G3/2500
BVH (80°-90°)	66.9	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: P641748
 CATALOG NUMBER: GWS-SA6B-740-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3
2.5°	3251.2	3233.0	3254.2	3264.8	3292.2	3331.6	3366.5	3368.0	3386.3	3430.3	3472.8
5°	3103.9	3094.8	3100.9	3132.8	3161.6	3211.7	3264.8	3269.4	3321.0	3407.5	3492.5
7.5°	2990.1	2978.0	3000.7	3041.7	3078.1	3134.3	3204.1	3210.2	3283.0	3413.6	3544.1
10°	2826.2	2817.1	2859.6	2914.2	2993.1	3085.7	3178.3	3185.9	3281.5	3453.0	3635.2
12.5°	2754.8	2754.8	2773.1	2824.7	2911.2	3034.1	3173.8	3185.9	3305.8	3513.8	3752.0
15°	2865.6	2873.2	2858.1	2855.0	2889.9	3006.8	3179.8	3198.0	3351.3	3576.0	3867.4
17.5°	3088.8	3096.4	3056.9	2994.7	2959.7	3032.6	3202.6	3222.3	3399.9	3644.3	3991.9
20°	3401.4	3410.5	3324.0	3228.4	3108.5	3107.0	3246.6	3264.8	3462.1	3718.7	4123.9
22.5°	3767.2	3773.3	3664.0	3512.2	3328.6	3245.1	3322.5	3340.7	3542.6	3821.9	4266.6
25°	4190.7	4208.9	4076.9	3856.8	3607.9	3434.8	3448.5	3469.7	3686.8	3960.0	4435.1
27.5°	4643.0	4665.8	4514.0	4271.1	3928.1	3644.3	3610.9	3629.1	3840.1	4045.0	4524.6
30°	5105.9	5122.6	4970.9	4693.1	4272.7	3881.1	3747.5	3758.1	3906.9	4086.0	4615.7
32.5°	5620.5	5606.8	5461.1	5140.9	4670.3	4164.9	3875.0	3872.0	3981.2	4167.9	4746.2
35°	6103.2	6122.9	5968.1	5614.4	5107.5	4515.5	4066.2	4054.1	4139.1	4301.5	4929.9
37.5°	6687.5	6681.4	6496.3	6113.8	5546.1	4851.0	4334.9	4313.6	4344.0	4509.4	5186.4
40°	7104.9	7147.4	7027.5	6670.8	6059.1	5263.8	4649.1	4602.0	4609.6	4766.0	5529.4
42.5°	7446.4	7485.9	7498.0	7270.4	6646.5	5773.8	5040.7	4993.6	4998.2	5219.8	5951.4
45°	7709.0	7762.1	7933.6	7866.9	7308.3	6362.7	5570.4	5521.8	5524.9	5770.7	6461.4
47.5°	7816.8	7874.4	8222.0	8381.4	8011.1	7067.0	6229.1	6157.8	6168.4	6440.1	7044.2
50°	7781.9	7859.3	8329.8	8777.5	8600.0	7783.4	7016.9	6966.8	6925.8	7320.4	7677.1
52.5°	7481.3	7566.3	8319.2	9029.5	9081.1	8460.3	7830.4	7801.6	7792.5	8255.4	8384.4
55°	6596.4	6739.1	7953.4	9096.3	9457.5	9097.8	8712.3	8663.7	8710.8	9257.2	9099.3
57.5°	6106.2	6212.4	7237.0	9021.9	9765.6	9704.9	9592.6	9597.2	9650.3	10345.5	9966.0
60°	5826.9	5951.4	6839.3	8818.5	10061.6	10442.6	10513.9	10513.9	10609.6	11518.7	10846.3
62.5°	5456.6	5582.5	6467.4	8426.9	10334.8	11310.8	11672.0	11667.5	11705.4	12777.0	11706.9
65°	4705.2	4822.1	5720.7	7809.2	10468.4	12267.0	12988.0	12974.3	12898.4	13897.2	12276.1
67.5°	3416.6	3527.4	4381.9	6634.4	9987.3	13038.1	14343.4	14349.5	13895.6	14602.9	12306.5
70°	2252.4	2328.3	2817.1	4309.1	8121.9	12705.7	14911.1	14929.3	14048.9	14162.8	10952.6
72.5°	1405.5	1458.6	1759.2	2569.7	4799.3	10057.1	13454.0	13504.0	12638.9	12446.1	8999.2
75°	933.5	969.9	1170.2	1498.1	2220.6	5442.9	10227.1	10388.0	10129.9	9756.5	6270.1
77.5°	561.6	591.9	745.2	951.7	983.5	2126.5	5969.6	6385.5	6421.9	5093.8	2625.8
80°	256.5	291.4	411.3	543.4	523.6	740.7	2105.2	2202.4	2598.5	1618.0	828.7
82.5°	151.8	167.0	273.2	270.2	223.1	359.7	757.4	777.1	660.3	591.9	353.7
85°	60.7	71.3	115.4	101.7	82.0	116.9	285.4	299.0	286.9	258.0	130.5
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	25.8	27.3	39.5	71.3	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P641748
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3	3474.3
2.5°	3500.1	3491.0	3536.5	3571.4	3586.6	3601.8	3588.1	3583.6	3583.6	3553.2	3538.0
5°	3538.0	3542.6	3604.8	3633.7	3633.7	3621.5	3585.1	3559.3	3550.2	3510.7	3500.1
7.5°	3609.4	3629.1	3686.8	3685.3	3642.8	3576.0	3484.9	3415.1	3351.3	3324.0	3307.3
10°	3726.2	3752.0	3791.5	3727.8	3609.4	3433.3	3240.5	3088.8	2997.7	2924.8	2924.8
12.5°	3859.8	3884.1	3876.5	3729.3	3484.9	3155.5	2877.8	2703.2	2575.7	2509.0	2509.0
15°	3993.4	4013.1	3931.2	3659.5	3225.4	2786.7	2483.2	2273.7	2162.9	2100.7	2100.7
17.5°	4128.5	4127.0	3953.9	3498.6	2886.9	2378.4	2080.9	1918.5	1880.6	1870.0	1868.4
20°	4259.0	4224.1	3925.1	3229.9	2493.8	1967.1	1778.9	1789.5	1845.7	1870.0	1873.0
22.5°	4406.2	4319.7	3840.1	2886.9	2047.5	1681.7	1693.9	1781.9	1863.9	1900.3	1904.9
25°	4556.5	4401.7	3697.4	2484.7	1674.2	1577.0	1671.1	1769.8	1862.4	1909.4	1914.0
27.5°	4617.2	4401.7	3454.6	2018.7	1475.3	1533.0	1636.2	1731.8	1829.0	1883.6	1894.2
30°	4667.3	4363.7	3114.6	1598.3	1393.4	1490.5	1580.0	1668.1	1763.7	1830.5	1842.6
32.5°	4737.1	4330.3	2703.2	1343.3	1355.4	1449.5	1511.7	1586.1	1672.6	1716.7	1712.1
35°	4819.1	4278.7	2206.9	1221.8	1323.5	1414.6	1458.6	1502.6	1463.2	1461.7	1466.2
37.5°	4935.9	4233.2	1774.3	1167.2	1302.3	1390.3	1426.8	1332.6	1278.0	1255.2	1246.1
40°	5104.4	4215.0	1399.4	1135.3	1299.3	1388.8	1363.0	1217.3	1142.9	1064.0	1062.5
42.5°	5316.9	4201.3	1156.6	1120.2	1309.9	1423.7	1275.0	1141.4	988.1	953.2	950.2
45°	5590.1	4180.1	1035.2	1117.1	1335.7	1451.0	1265.9	1036.7	931.9	916.8	916.8
47.5°	5919.5	4146.7	980.5	1117.1	1364.5	1438.9	1238.5	1013.9	906.1	922.8	933.5
50°	6297.4	4104.2	951.7	1114.1	1393.4	1438.9	1180.9	1009.3	900.1	986.6	1021.5
52.5°	6701.2	4055.6	931.9	1101.9	1413.1	1440.4	1183.9	1024.5	906.1	1001.8	1030.6
55°	7147.4	4048.0	904.6	1076.1	1419.2	1400.9	1191.5	1057.9	915.2	907.7	909.2
57.5°	7710.5	4139.1	884.9	1038.2	1394.9	1320.5	1206.7	1082.2	904.6	906.1	916.8
60°	8299.4	4310.6	901.6	1001.8	1344.8	1244.6	1217.3	1070.1	853.0	828.7	831.8
62.5°	8800.3	4441.1	915.2	985.1	1271.9	1177.8	1206.7	1042.7	824.2	818.1	831.8
65°	9009.8	4333.4	881.9	950.2	1165.7	1095.9	1183.9	1007.8	799.9	777.1	778.6
67.5°	8777.5	3827.9	816.6	872.7	1045.8	991.1	1147.5	962.3	766.5	739.2	733.1
70°	7498.0	2812.5	704.3	749.8	900.1	868.2	1091.3	903.1	713.4	693.6	680.0
72.5°	6042.4	1991.4	584.4	596.5	705.8	731.6	994.2	828.7	652.7	596.5	576.8
75°	4205.9	1250.7	487.2	475.1	510.0	558.6	775.6	687.6	563.1	503.9	485.7
77.5°	1809.2	642.0	381.0	374.9	340.0	387.0	595.0	573.7	472.0	403.7	393.1
80°	605.6	371.9	274.7	264.1	226.2	271.7	418.9	458.4	370.3	299.0	280.8
82.5°	303.6	215.5	174.5	157.9	151.8	171.5	247.4	285.4	256.5	206.4	174.5
85°	148.7	122.9	95.6	94.1	78.9	74.4	103.2	121.4	115.4	85.0	80.4
87.5°	54.6	48.6	30.4	24.3	15.2	10.6	6.1	6.1	4.6	4.6	4.6
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)