

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: P642823

Luminaire Tested: GWS-SA6D-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34708.9 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

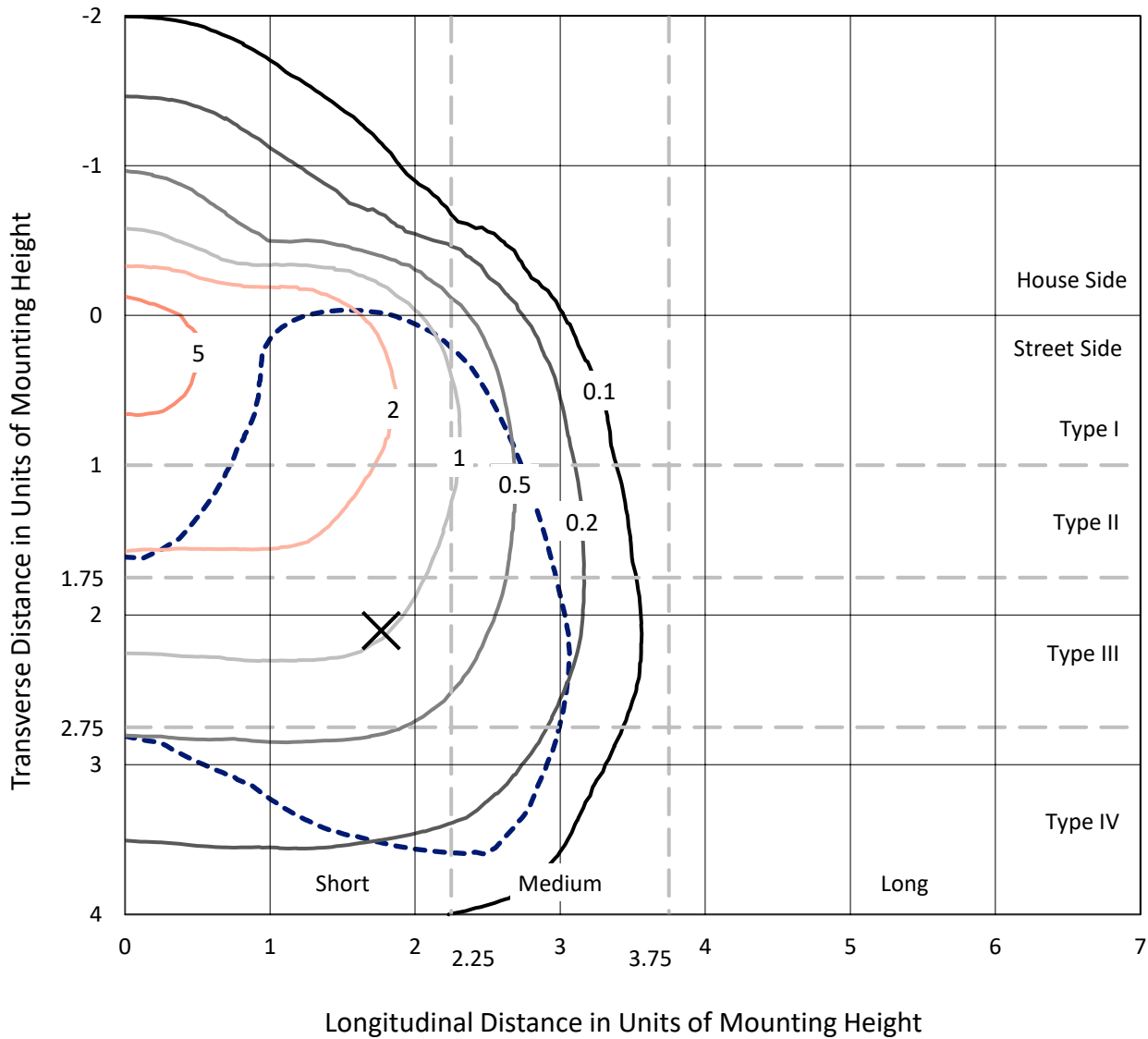
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA6D-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

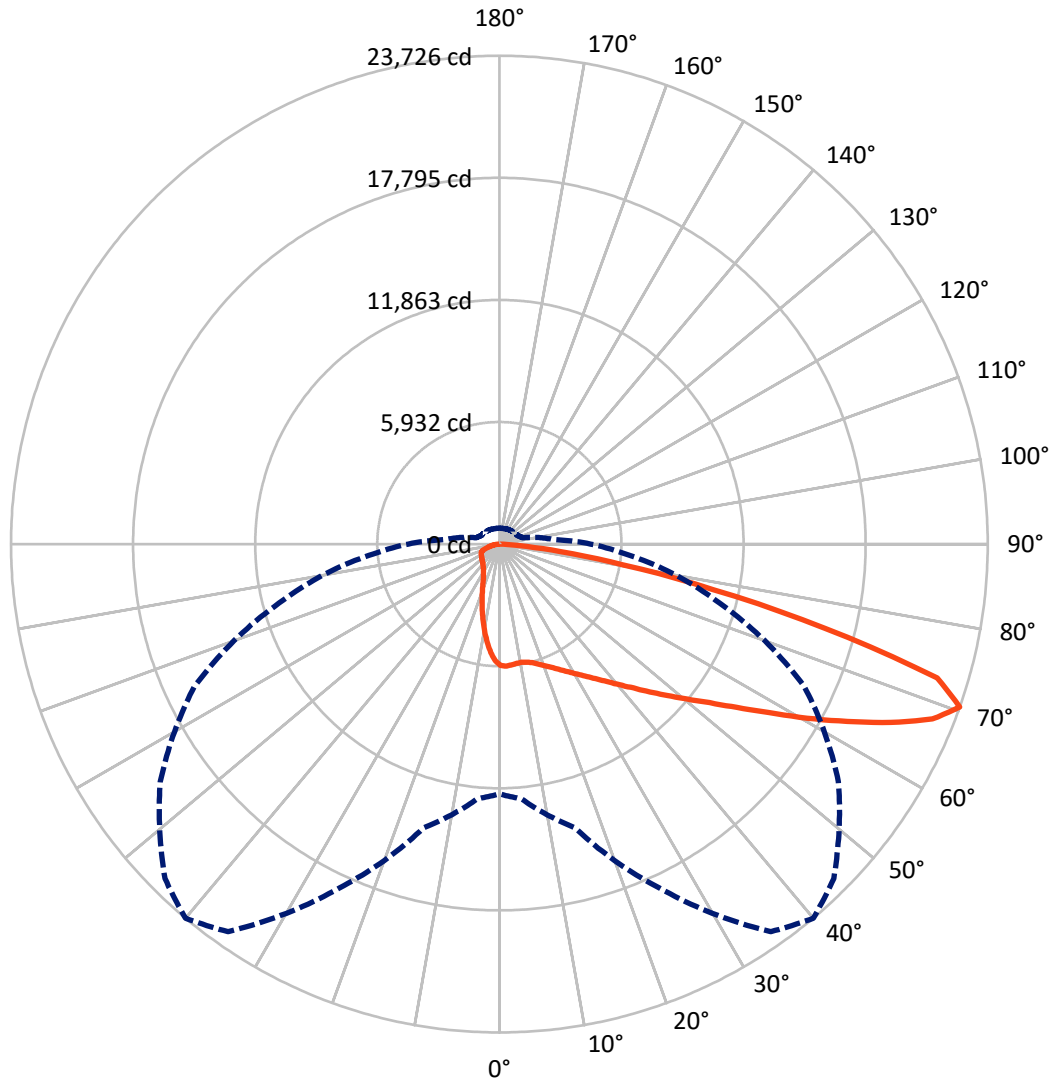
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P642823
CATALOG NUMBER: GWS-SA6D-760-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5346.1	0.0	5346.1
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	29362.8	0.0	29362.8
	% Fixture	84.6	0.0	84.6
Total	Lumens	34708.9	0.0	34708.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.7	1.5
10°-20°	1357.2	3.9
20°-30°	2131.1	6.1
30°-40°	3204.1	9.2
40°-50°	4945.6	14.2
50°-60°	7344.6	21.2
60°-70°	9257.8	26.7
70°-80°	5353.7	15.4
80°-90°	594.2	1.7
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°	34708.9	100.0
0°-180°	34708.9	100.0

Coefficient of Utilization



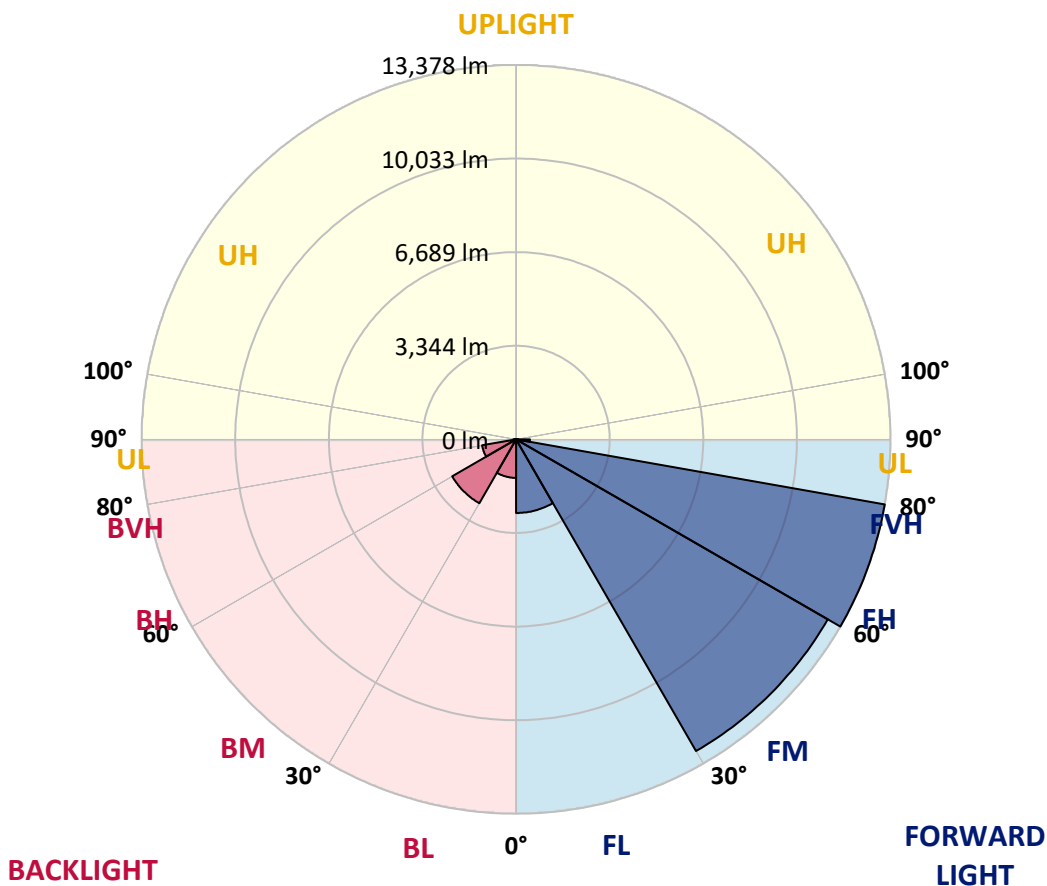
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2631.2	7.6			
FM (30°-60°)	12859.2	37.0			
FH (60°-80°)	13377.6	38.5			G5
FVH (80°-90°)	494.8	1.4			G3/500
BL (0°-30°)	1377.7	4.0	B3/2500		
BM (30°-60°)	2635.1	7.6	B3/5000		
BH (60°-80°)	1233.9	3.6	B3/2500		G3/2500
BVH (80°-90°)	99.3	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-G5
 Type IV Short





REPORT NUMBER: P642823

CATALOG NUMBER: GWS-SA6D-760-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0
2.5°	5930.2	5940.6	5948.4	5958.7	5953.6	5938.0	5951.0	5951.0	5922.5	5891.4	5862.9
5°	5938.0	5951.0	5948.4	5945.8	5925.1	5899.2	5899.2	5883.6	5834.4	5785.2	5738.5
7.5°	5922.5	5919.9	5917.3	5909.5	5886.2	5857.7	5852.5	5821.4	5756.7	5689.3	5621.9
10°	5852.5	5849.9	5857.7	5875.8	5870.7	5844.7	5844.7	5816.2	5741.1	5658.2	5570.1
12.5°	5795.5	5795.5	5826.6	5875.8	5894.0	5883.6	5886.2	5865.5	5780.0	5681.5	5577.9
15°	5803.3	5805.9	5873.2	5953.6	5987.2	5979.5	5982.1	5958.7	5862.9	5764.4	5624.5
17.5°	5855.1	5868.1	5984.6	6096.0	6140.1	6129.7	6111.6	6072.7	5963.9	5852.5	5681.5
20°	5963.9	5984.6	6134.9	6274.8	6326.6	6303.3	6272.2	6194.5	6075.3	5953.6	5743.7
22.5°	6179.0	6191.9	6357.7	6495.0	6536.5	6508.0	6445.8	6334.4	6197.1	6070.1	5818.8
25°	6482.1	6497.6	6655.7	6782.6	6772.2	6738.6	6653.1	6515.8	6352.5	6217.8	5927.6
27.5°	6842.2	6868.1	7023.5	7124.6	7057.2	7008.0	6912.1	6746.3	6562.4	6440.6	6093.5
30°	7236.0	7246.3	7378.5	7479.5	7375.9	7308.5	7191.9	7013.2	6847.4	6756.7	6342.2
32.5°	7616.8	7627.2	7741.2	7798.2	7689.4	7640.1	7539.1	7350.0	7233.4	7184.2	6712.6
35°	8018.4	8015.8	8109.1	8158.3	8046.9	8026.2	7922.5	7777.4	7756.7	7821.5	7254.1
37.5°	8420.0	8396.6	8445.9	8510.6	8448.5	8469.2	8401.8	8352.6	8432.9	8601.3	7974.3
40°	8741.2	8741.2	8793.0	8873.3	8894.1	8984.7	8945.9	9010.6	9269.7	9671.3	8865.6
42.5°	9026.2	9028.8	9137.6	9262.0	9412.2	9552.1	9583.2	9751.6	10287.9	10917.4	9984.8
45°	9324.1	9326.7	9474.4	9655.7	9974.4	10241.3	10303.4	10681.7	11448.5	12215.4	11199.8
47.5°	9668.7	9640.2	9844.9	10148.0	10601.4	10984.8	11145.4	11681.7	12650.7	13593.7	12345.0
50°	10057.3	9997.7	10225.7	10749.0	11308.6	11834.6	12104.0	12718.0	13940.9	14865.8	13422.7
52.5°	10495.2	10461.5	10699.8	11337.1	12192.1	12798.3	13163.6	13969.4	15194.8	16132.6	14277.7
55°	11039.2	10958.9	11303.5	12114.4	13228.4	14000.4	14433.1	15207.7	16565.3	17282.9	14930.5
57.5°	11635.1	11547.0	12008.2	13085.9	14575.6	15422.8	15964.2	16601.6	17855.5	18163.8	15314.0
60°	12277.6	12249.1	12795.7	14225.8	16181.9	17166.3	17557.6	18135.3	18977.3	18674.2	15218.1
62.5°	12865.7	12855.3	13650.7	15461.6	17884.0	18966.9	19277.8	19430.7	19785.6	18640.5	14456.4
65°	13484.9	13573.0	14648.1	16894.3	19834.8	20897.0	21026.6	20638.0	20057.6	17757.0	12896.8
67.5°	13562.6	13733.6	15275.1	18236.3	21684.6	22687.2	22583.6	21096.5	19254.5	15298.4	10109.1
70°	12129.9	12427.9	14275.1	18441.0	22987.8	23726.1	22977.4	20109.4	16339.9	11083.3	6357.7
72.5°	10135.0	10391.5	12023.7	15725.9	21306.4	22246.8	21233.8	17021.3	11547.0	6357.7	3238.4
75°	7888.9	8186.8	9692.0	12500.4	15951.3	16326.9	15819.2	11870.8	6347.4	2621.8	1471.5
77.5°	4813.6	5028.7	6199.7	8469.2	11161.0	10598.8	8982.2	6655.7	2785.1	1256.5	909.4
80°	2129.6	2261.7	3054.5	4549.4	6448.4	6096.0	4805.9	2842.1	1523.4	798.0	634.7
82.5°	1142.5	1228.0	1505.2	1800.6	2831.7	2961.2	2401.6	1637.4	818.7	456.0	362.7
85°	502.6	551.8	684.0	652.9	930.1	914.5	922.3	1124.4	391.2	209.9	235.8
87.5°	0.0	0.0	0.0	0.0	2.6	2.6	28.5	150.3	38.9	62.2	54.4
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°	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0	5894.0
2.5°	5831.8	5785.2	5772.2	5756.7	5728.2	5678.9	5642.7	5601.2	5583.1	5562.4	5564.9
5°	5686.7	5629.7	5575.3	5505.4	5417.3	5318.8	5251.5	5173.7	5132.3	5093.4	5103.8
7.5°	5562.4	5474.3	5362.9	5215.2	5057.2	4881.0	4738.5	4627.1	4552.0	4500.1	4526.1
10°	5484.6	5381.0	5186.7	4945.8	4678.9	4409.5	4204.8	4013.1	3893.9	3800.6	3795.5
12.5°	5469.1	5334.4	5052.0	4702.2	4316.2	3956.1	3655.6	3396.5	3238.4	3121.9	3165.9
15°	5484.6	5313.6	4935.4	4476.8	3989.8	3502.7	3129.6	2831.7	2642.6	2536.3	2528.6
17.5°	5502.8	5292.9	4803.3	4233.3	3647.8	3090.8	2658.1	2342.0	2147.7	2041.5	2044.1
20°	5518.3	5261.8	4647.8	3966.4	3300.6	2707.3	2259.1	1958.6	1785.0	1707.3	1720.3
22.5°	5544.2	5230.7	4482.0	3681.5	2945.7	2336.9	1943.1	1699.5	1595.9	1544.1	1546.7
25°	5593.4	5212.6	4311.0	3370.6	2595.9	2041.5	1725.4	1562.2	1497.5	1466.4	1463.8
27.5°	5694.5	5228.1	4132.3	3070.0	2279.9	1816.1	1585.5	1479.3	1435.3	1414.6	1412.0
30°	5862.9	5290.3	3976.8	2764.3	2007.8	1639.9	1489.7	1424.9	1399.0	1380.9	1378.3
32.5°	6119.4	5406.9	3808.4	2479.4	1787.6	1510.4	1414.6	1380.9	1362.7	1352.4	1352.4
35°	6508.0	5619.3	3642.6	2230.6	1616.6	1409.4	1355.0	1342.0	1326.5	1321.3	1326.5
37.5°	7067.6	5958.7	3492.3	2013.0	1494.9	1331.6	1290.2	1295.4	1282.4	1290.2	1298.0
40°	7777.4	6412.1	3365.4	1834.3	1404.2	1274.7	1233.2	1251.3	1243.6	1251.3	1264.3
42.5°	8676.4	6974.3	3269.5	1694.4	1339.4	1228.0	1189.2	1207.3	1202.1	1212.5	1225.4
45°	9679.1	7715.3	3225.5	1595.9	1292.8	1194.3	1152.9	1165.8	1160.7	1168.4	1181.4
47.5°	10640.2	8388.9	3264.4	1538.9	1253.9	1165.8	1121.8	1127.0	1124.4	1121.8	1129.6
50°	11469.3	8925.2	3375.8	1520.8	1228.0	1137.3	1095.9	1098.5	1090.7	1075.2	1080.3
52.5°	12145.5	9355.2	3443.1	1520.8	1215.1	1106.3	1067.4	1070.0	1054.4	1033.7	1036.3
55°	12591.1	9528.8	3388.7	1518.2	1209.9	1080.3	1038.9	1041.5	1025.9	1000.0	1002.6
57.5°	12718.0	9360.4	3160.7	1489.7	1204.7	1059.6	1010.4	1015.6	1005.2	976.7	976.7
60°	12363.1	8743.8	2743.6	1424.9	1191.7	1046.7	989.7	997.4	992.3	963.8	963.8
62.5°	11433.0	7647.9	2246.2	1326.5	1155.5	1031.1	971.5	987.1	1000.0	984.5	981.9
65°	9692.0	6127.1	1826.5	1217.7	1108.8	1005.2	945.6	984.5	1013.0	1033.7	1033.7
67.5°	7272.3	4386.1	1489.7	1103.7	1038.9	953.4	911.9	948.2	968.9	981.9	989.7
70°	4432.8	2580.4	1173.6	971.5	937.9	875.7	844.6	808.3	779.8	774.6	777.2
72.5°	2168.5	1476.7	953.4	826.5	800.5	743.5	673.6	658.1	645.1	637.3	634.7
75°	1194.3	1028.5	787.6	686.6	639.9	570.0	554.4	528.5	523.3	513.0	515.6
77.5°	844.6	810.9	650.3	557.0	487.1	450.8	458.6	440.4	440.4	432.7	430.1
80°	634.7	637.3	500.0	406.7	360.1	347.2	354.9	354.9	349.8	347.2	344.6
82.5°	401.6	453.4	336.8	261.7	256.5	259.1	256.5	253.9	259.1	251.3	248.7
85°	277.2	326.4	204.7	155.4	155.4	152.9	158.0	155.4	160.6	152.9	152.9
87.5°	62.2	145.1	75.1	46.6	49.2	46.6	49.2	51.8	57.0	59.6	59.6
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)