

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: P642850

Luminaire Tested: GWS-SA6D-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642850
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-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34908.4 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

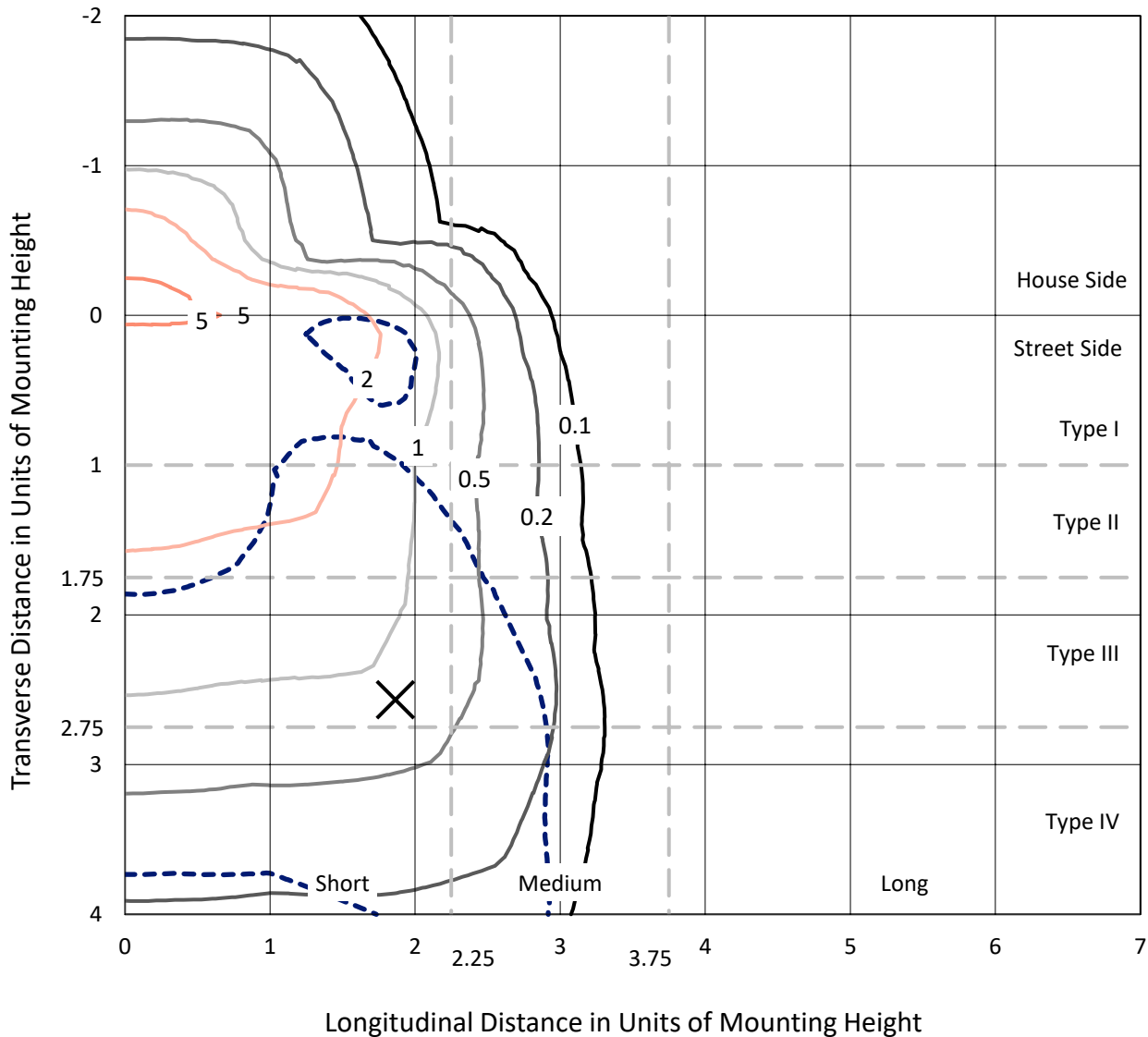
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642850
 CATALOG NUMBER: GWS-SA6D-760-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

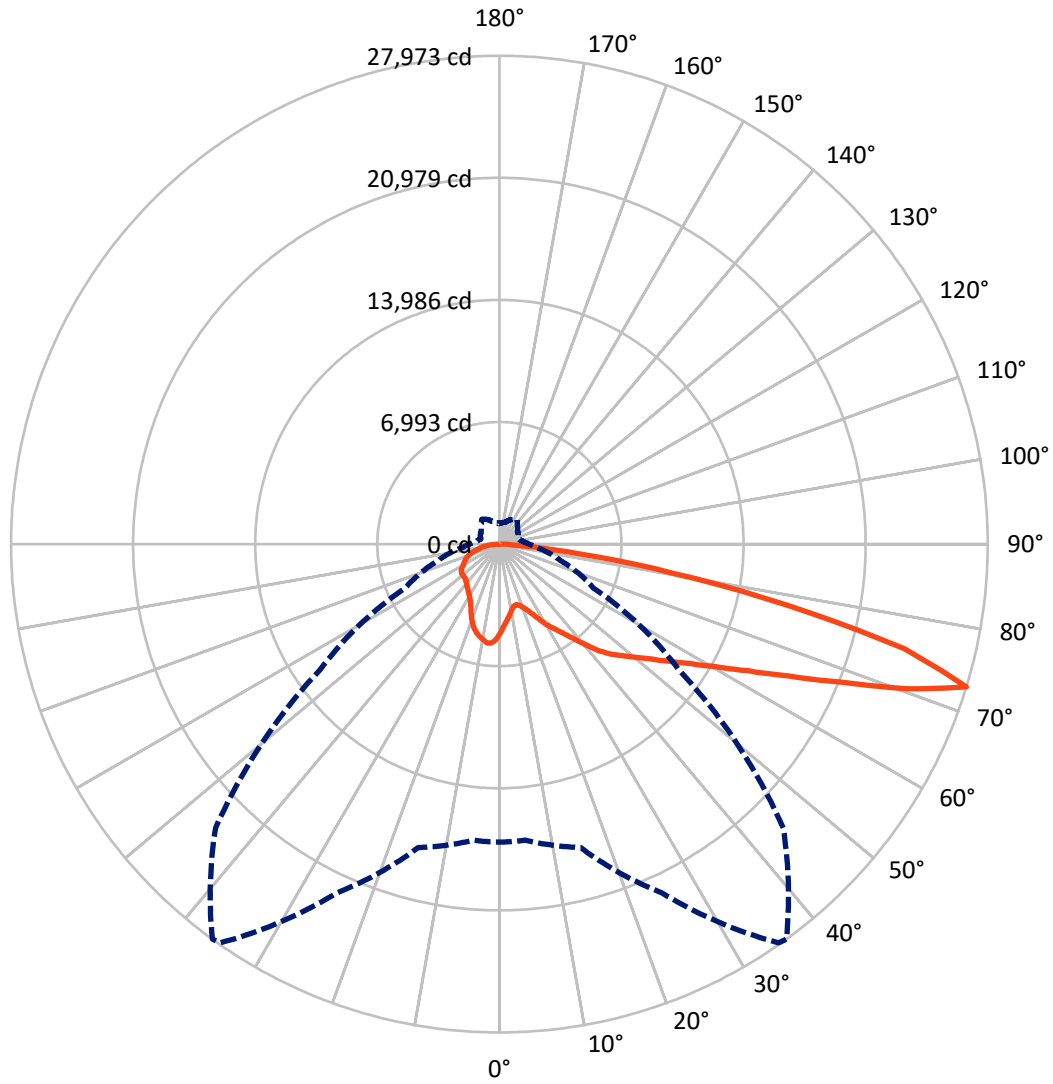
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

REPORT NUMBER: P642850
CATALOG NUMBER: GWS-SA6D-760-U-T4FT-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642850

CATALOG NUMBER: GWS-SA6D-760-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8047.9	0.0	8047.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	26860.5	0.0	26860.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	34908.4	0.0	34908.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.5	1.4
10°-20°	1347.4	3.9
20°-30°	2231.4	6.4
30°-40°	3341.7	9.6
40°-50°	4875.3	14.0
50°-60°	6939.0	19.9
60°-70°	8766.9	25.1
70°-80°	6247.2	17.9
80°-90°	682.0	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°	34908.4	100.0
0°-180°	34908.4	100.0

Coefficient of Utilization



REPORT NUMBER: P642850

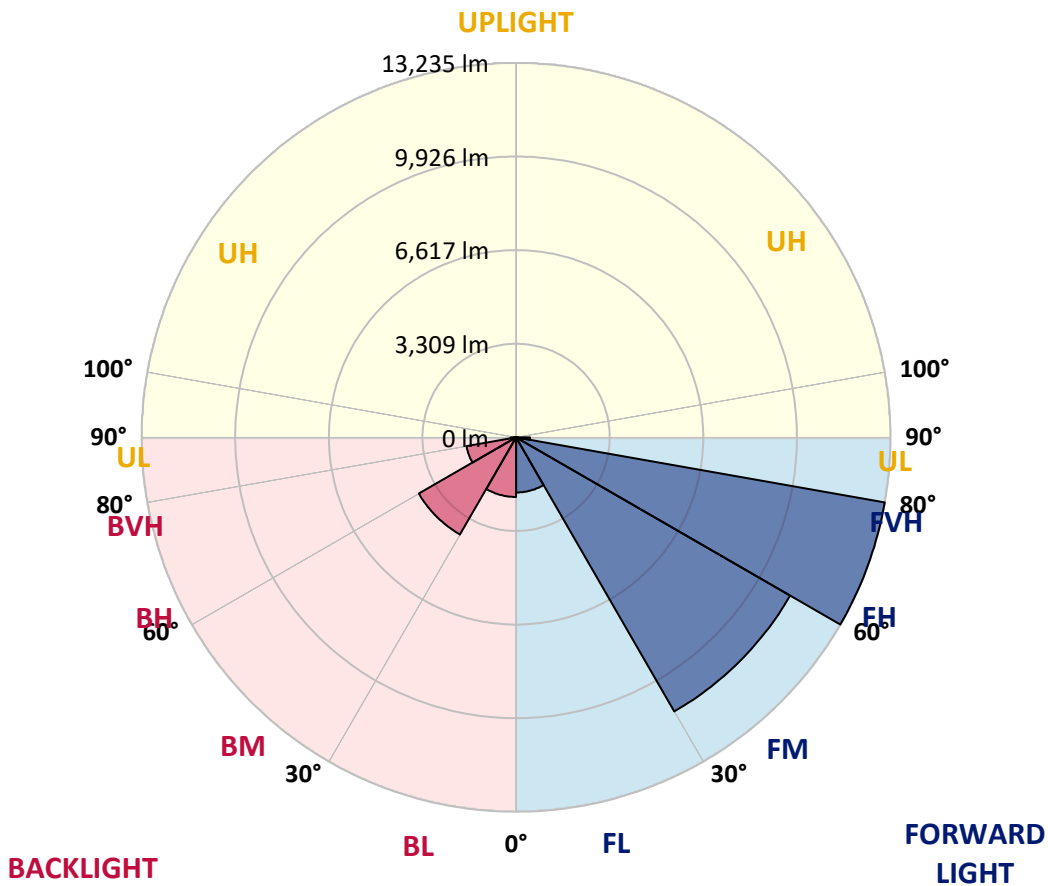
CATALOG NUMBER: GWS-SA6D-760-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1948.8	5.6			
FM (30°-60°)	11187.3	32.0			
FH (60°-80°)	13234.9	37.9			G5
FVH (80°-90°)	489.5	1.4			G3/500
BL (0°-30°)	2107.5	6.0	B3/2500		
BM (30°-60°)	3968.8	11.4	B3/5000		
BH (60°-80°)	1779.2	5.1	B3/2500		G3/2500
BVH (80°-90°)	192.5	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-G5

Type IV Short





REPORT NUMBER: P642850
 CATALOG NUMBER: GWS-SA6D-760-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0
2.5°	4660.8	4653.0	4637.5	4684.1	4730.7	4725.6	4790.3	4852.5	4919.9	4989.8	5083.1
5°	4287.7	4282.5	4269.6	4339.5	4409.5	4406.9	4513.1	4614.2	4751.5	4901.7	5088.3
7.5°	3914.7	3901.7	3919.8	4007.9	4106.4	4116.7	4261.8	4427.6	4627.1	4852.5	5116.8
10°	3585.6	3583.0	3590.8	3689.3	3836.9	3847.3	4033.8	4264.4	4528.7	4829.2	5181.5
12.5°	3500.1	3495.0	3474.2	3523.4	3634.9	3650.4	3855.1	4137.5	4461.3	4842.2	5269.6
15°	3640.0	3627.1	3554.5	3531.2	3585.6	3598.6	3772.2	4062.3	4422.4	4865.5	5381.0
17.5°	3881.0	3873.2	3735.9	3640.0	3676.3	3686.7	3816.2	4049.4	4412.1	4912.1	5518.3
20°	4233.3	4199.6	3984.6	3839.5	3839.5	3855.1	3932.8	4106.4	4425.0	4969.1	5673.8
22.5°	4699.7	4632.3	4329.2	4132.3	4080.5	4101.2	4134.9	4248.9	4479.4	5065.0	5868.1
25°	5223.0	5160.8	4800.7	4523.5	4450.9	4458.7	4430.2	4450.9	4598.6	5197.1	6109.0
27.5°	5780.0	5738.6	5355.1	5002.8	4888.8	4888.8	4787.7	4738.5	4764.4	5347.4	6378.5
30°	6277.4	6220.4	5896.6	5510.6	5360.3	5360.3	5168.6	5062.4	5000.2	5531.3	6738.6
32.5°	6539.1	6505.4	6290.4	5995.0	5811.1	5782.6	5616.8	5492.4	5347.4	5803.3	7225.7
35°	6881.1	6873.3	6743.8	6513.2	6280.0	6238.6	6124.6	6026.1	5774.8	6142.7	7873.4
37.5°	7311.2	7298.2	7277.5	7140.2	6860.4	6852.6	6751.5	6632.4	6305.9	6632.4	8658.4
40°	7793.0	7769.7	7743.8	7741.2	7572.8	7544.3	7536.6	7401.8	6945.9	7223.1	9477.0
42.5°	8456.3	8376.0	8132.4	8241.2	8365.6	8339.7	8438.1	8236.1	7743.8	7925.2	10251.7
45°	9272.4	9075.5	8593.6	8624.7	8938.2	8990.0	9332.0	9282.7	8622.1	8736.1	11067.8
47.5°	9762.0	9591.0	9142.8	9116.9	9508.1	9572.9	10316.5	10409.7	9567.7	9712.8	12075.6
50°	10163.6	10044.4	9676.5	9712.8	10127.3	10192.1	11293.2	11492.7	10458.9	10712.8	13246.6
52.5°	10648.1	10477.1	10192.1	10363.1	10870.9	10948.6	12378.7	12593.7	11262.1	11811.3	14459.1
55°	10920.1	10850.1	10855.3	11117.0	11754.3	11860.6	13516.1	13479.8	11997.9	12751.8	15371.0
57.5°	11547.1	11521.2	11759.5	11858.0	12785.5	12922.8	14653.4	14342.5	12666.3	13479.8	15808.9
60°	12653.3	12588.6	12795.8	12946.1	14060.1	14254.4	15922.9	15187.1	13119.7	14021.3	15661.2
62.5°	14207.8	14127.5	14135.2	14373.6	15767.4	15972.1	17334.8	15891.8	13259.6	14104.2	14725.9
65°	16140.5	16023.9	15891.8	16215.6	18034.4	18205.3	18871.2	16404.8	12925.4	13306.2	12772.5
67.5°	18179.4	18083.6	17928.1	18606.9	20969.7	21073.3	20594.0	16360.7	11865.7	11171.4	8958.9
70°	18298.6	18321.9	19057.7	21513.8	24801.5	24827.4	22223.6	15474.7	9609.2	7241.2	4463.9
72.5°	17070.6	17031.7	17990.3	22044.9	27884.5	27972.6	22993.1	12536.7	5938.0	3611.5	2093.3
75°	13865.8	13933.2	14941.0	19288.3	23899.9	23977.6	18744.2	7391.5	2821.3	1766.9	1339.4
77.5°	5969.1	6344.8	8331.9	13588.6	17117.2	16876.3	9661.0	2994.9	1505.2	1259.1	1025.9
80°	1722.9	1870.5	2969.0	6461.4	10256.9	10075.5	3824.0	1121.8	1049.3	945.6	735.8
82.5°	557.0	616.6	1088.1	2572.6	4596.0	4590.8	1450.8	663.2	686.6	642.5	474.1
85°	155.4	178.8	334.2	779.8	1422.3	1393.8	419.7	313.5	365.3	370.5	235.8
87.5°	0.0	0.0	2.6	5.2	5.2	5.2	10.4	46.6	106.2	134.7	95.9
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: P642850
 CATALOG NUMBER: GWS-SA6D-760-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0	5109.0
2.5°	5140.1	5132.3	5238.5	5321.4	5399.2	5451.0	5466.5	5476.9	5497.6	5508.0	5497.6
5°	5176.4	5215.2	5391.4	5520.9	5624.6	5686.7	5689.3	5684.2	5699.7	5686.7	5679.0
7.5°	5254.1	5329.2	5552.0	5689.3	5756.7	5759.3	5697.1	5624.6	5588.3	5557.2	5546.8
10°	5357.7	5469.1	5712.7	5803.3	5782.6	5686.7	5549.4	5435.4	5370.7	5324.0	5313.7
12.5°	5500.2	5624.6	5855.1	5852.6	5723.0	5552.0	5391.4	5254.1	5160.8	5106.4	5088.3
15°	5634.9	5793.0	5958.8	5837.0	5632.3	5425.1	5217.8	5033.9	4909.5	4824.0	4808.5
17.5°	5800.7	5969.1	6033.9	5787.8	5518.3	5251.5	4974.3	4733.3	4564.9	4463.9	4456.1
20°	5992.5	6142.7	6070.2	5702.3	5370.7	5020.9	4645.3	4375.8	4194.5	4096.0	4103.8
22.5°	6215.3	6324.1	6080.5	5585.7	5166.0	4694.5	4274.8	4015.7	3893.9	3842.1	3844.7
25°	6453.6	6523.6	6062.4	5427.7	4852.5	4295.5	3893.9	3774.8	3764.4	3751.4	3756.6
27.5°	6736.0	6720.5	6008.0	5204.9	4430.2	3831.8	3627.1	3658.2	3699.6	3694.4	3699.6
30°	7114.3	6966.6	5938.0	4896.6	3927.6	3443.1	3469.0	3557.1	3611.5	3616.7	3632.3
32.5°	7546.9	7238.6	5826.6	4476.9	3448.3	3225.5	3321.4	3427.6	3492.4	3505.3	3526.0
35°	8062.5	7549.5	5629.7	3953.5	3103.7	3096.0	3184.1	3256.6	3326.6	3331.7	3331.7
37.5°	8655.8	7860.4	5316.3	3375.8	2891.3	2984.6	3067.5	3083.0	3101.2	3085.6	3093.4
40°	9199.8	8160.9	4870.6	2849.8	2717.7	2886.1	2956.1	2904.3	2847.3	2808.4	2816.2
42.5°	9655.8	8365.6	4280.0	2482.0	2541.5	2798.0	2852.4	2746.2	2634.8	2562.3	2572.6
45°	10168.8	8554.7	3585.6	2233.2	2391.3	2735.9	2772.1	2634.8	2492.3	2383.5	2368.0
47.5°	10876.1	8940.8	2969.0	2059.7	2285.1	2702.2	2761.8	2575.2	2388.7	2225.5	2207.3
50°	11749.1	9487.4	2453.5	1945.7	2235.8	2684.0	2759.2	2510.5	2287.7	2095.9	2083.0
52.5°	12702.6	10021.1	2072.6	1857.6	2186.6	2629.6	2746.2	2437.9	2181.4	1974.2	1958.6
55°	13337.3	10231.0	1816.1	1774.7	2106.3	2544.1	2694.4	2368.0	2020.8	1831.7	1808.4
57.5°	13523.8	9961.5	1637.4	1699.5	2002.7	2425.0	2596.0	2220.3	1922.4	1772.1	1754.0
60°	13202.6	9282.7	1526.0	1637.4	1888.7	2272.1	2425.0	2134.8	1844.6	1709.9	1697.0
62.5°	12295.8	8236.1	1440.5	1572.6	1772.1	2111.5	2316.1	2031.2	1759.1	1652.9	1634.8
65°	10471.9	6754.1	1370.5	1505.2	1660.7	1958.6	2197.0	1927.5	1665.9	1585.6	1564.8
67.5°	7324.1	4743.7	1295.4	1424.9	1549.3	1810.9	2072.6	1831.7	1570.0	1510.4	1489.7
70°	3580.4	2515.6	1204.7	1331.7	1430.1	1660.7	1948.3	1715.1	1443.1	1409.4	1380.9
72.5°	1704.7	1406.8	1098.5	1204.7	1266.9	1461.2	1741.0	1546.7	1292.8	1220.3	1171.0
75°	1142.5	1000.0	958.6	1054.4	1070.0	1225.4	1492.3	1334.2	1139.9	1057.0	1015.6
77.5°	865.3	764.3	805.7	891.2	860.1	1007.8	1228.0	1189.2	1028.5	953.4	932.7
80°	608.8	557.0	639.9	691.7	668.4	857.5	1106.3	1018.2	847.2	764.3	748.7
82.5°	383.4	373.1	471.5	479.3	487.1	678.8	909.4	800.5	658.1	541.5	502.6
85°	191.7	212.4	282.4	282.4	279.8	349.8	518.2	450.8	354.9	282.4	274.6
87.5°	64.8	90.7	121.8	98.4	75.1	59.6	67.4	82.9	88.1	85.5	85.5
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)