

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: P642841

Luminaire Tested: GWS-SA6D-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-760-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

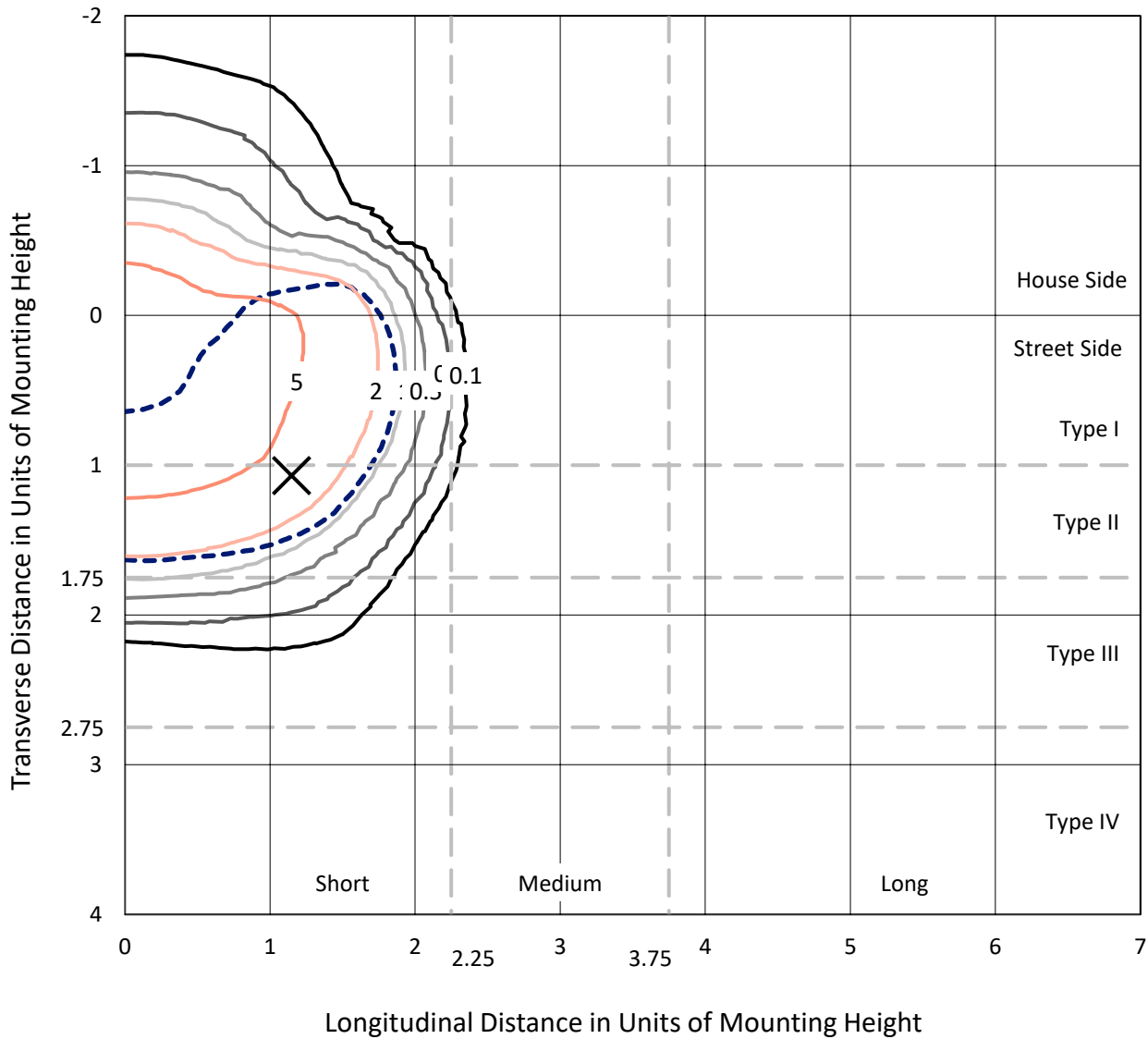
Lumens per Lamp: N/A  
Luminaire Lumens: 22317.1 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P642841  
 CATALOG NUMBER: GWS-SA6D-760-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

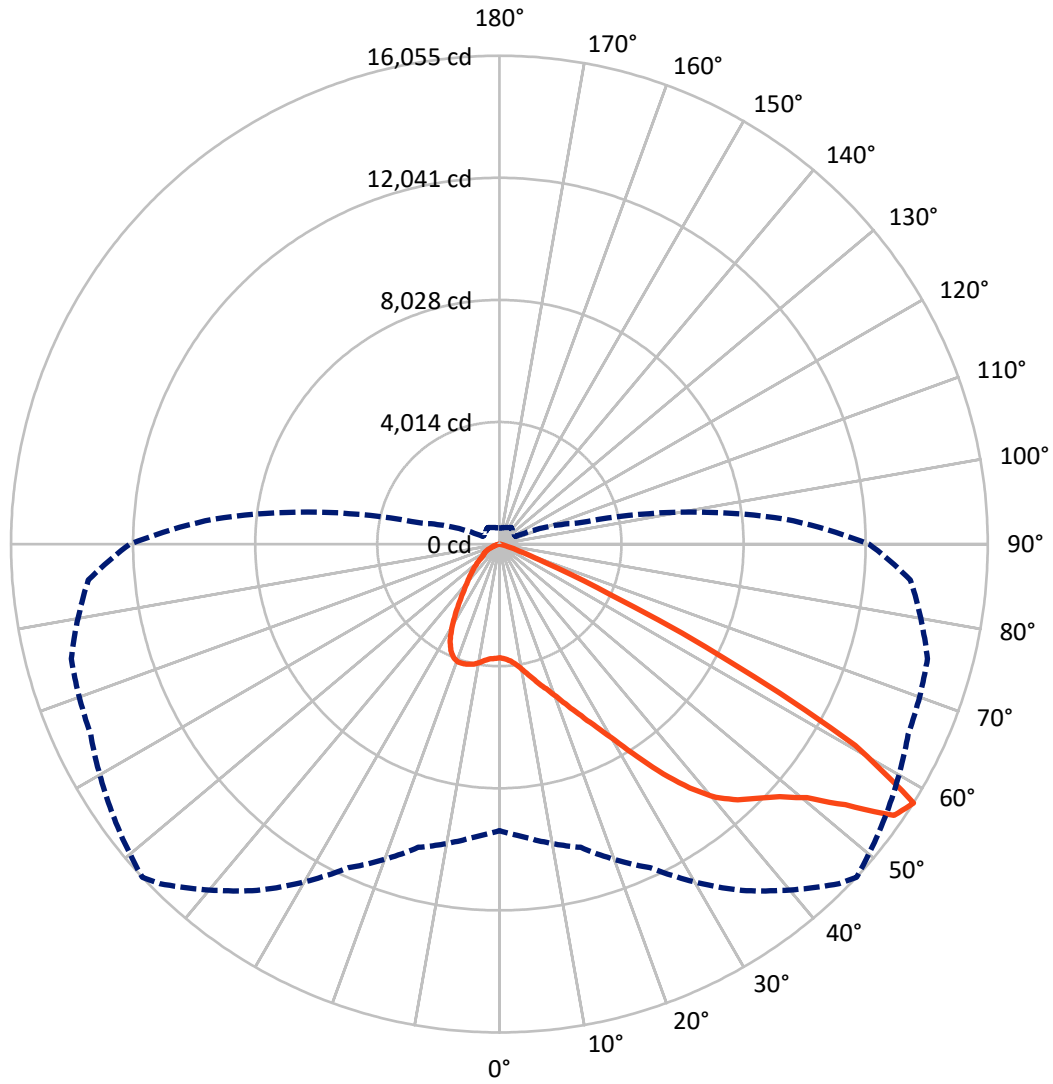
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P642841  
CATALOG NUMBER: GWS-SA6D-760-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642841  
 CATALOG NUMBER: GWS-SA6D-760-U-T3-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4841.7	0.0	4841.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	17475.4	0.0	17475.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	22317.1	0.0	22317.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.7	1.7
10°-20°	1254.1	5.6
20°-30°	2328.6	10.4
30°-40°	3727.7	16.7
40°-50°	5449.0	24.4
50°-60°	6725.1	30.1
60°-70°	2247.1	10.1
70°-80°	209.4	0.9
80°-90°	4.3	0.0
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°	22317.1	100.0
0°-180°	22317.1	100.0

**Coefficient of Utilization**

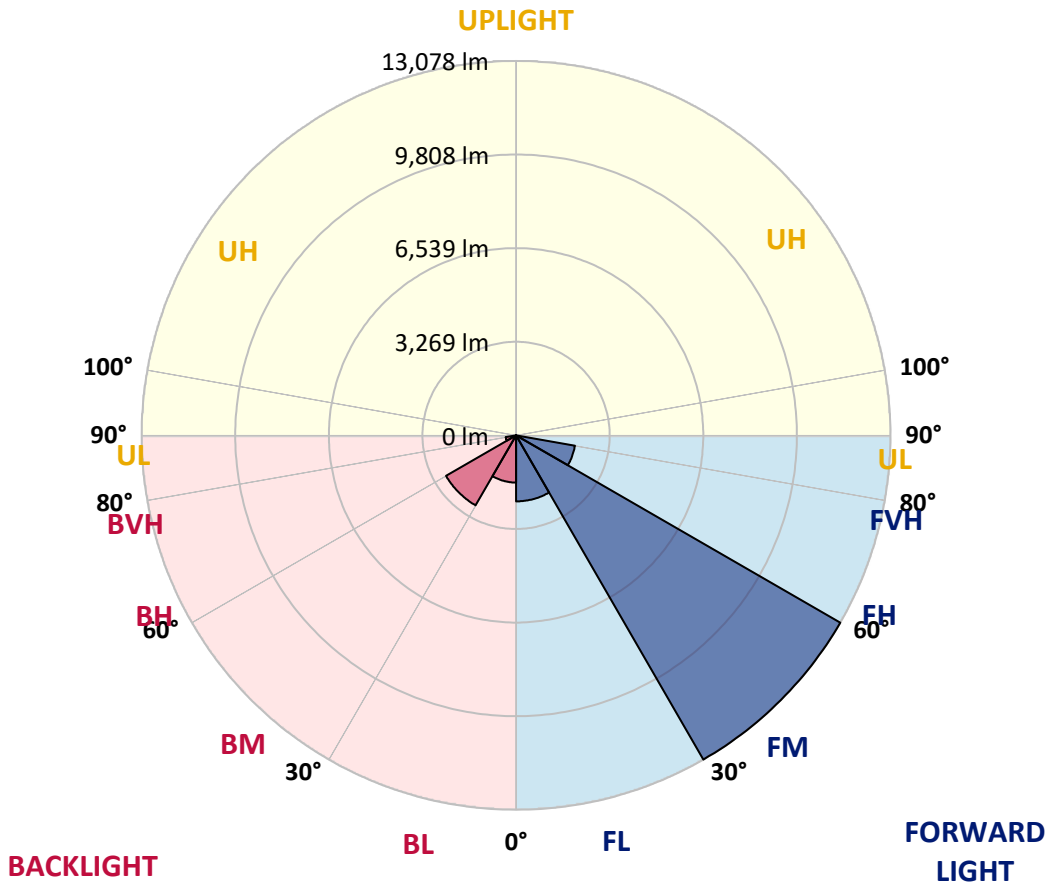


REPORT NUMBER: P642841  
 CATALOG NUMBER: GWS-SA6D-760-U-T3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2306.4	10.3			
FM (30°-60°)	13077.6	58.6			
FH (60°-80°)	2088.4	9.4			G2/5000
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	1648.0	7.4	B3/2500		
BM (30°-60°)	2824.2	12.7	B3/5000		
BH (60°-80°)	368.1	1.6	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





REPORT NUMBER: P642841

CATALOG NUMBER: GWS-SA6D-760-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9
2.5°	3774.8	3772.2	3769.6	3785.1	3779.9	3777.4	3782.5	3782.5	3782.5	3767.0	3735.9
5°	3865.4	3865.4	3862.9	3878.4	3865.4	3857.7	3860.3	3860.3	3849.9	3821.4	3782.5
7.5°	4007.9	4002.8	3997.6	4013.1	4000.2	3997.6	4002.8	3987.2	3969.1	3922.4	3868.0
10°	4212.6	4212.6	4204.8	4220.4	4210.0	4204.8	4204.8	4194.5	4160.8	4088.3	4007.9
12.5°	4495.0	4482.1	4463.9	4451.0	4445.8	4443.2	4445.8	4430.2	4394.0	4300.7	4189.3
15°	4803.3	4792.9	4764.4	4743.7	4715.2	4710.0	4725.6	4712.6	4676.4	4549.4	4391.4
17.5°	5191.9	5204.9	5132.3	5088.3	5005.4	5000.2	5005.4	5026.1	5000.2	4837.0	4606.4
20°	5523.5	5533.9	5479.5	5448.4	5373.3	5339.6	5350.0	5383.6	5355.1	5163.4	4842.2
22.5°	5878.5	5891.4	5834.4	5769.7	5736.0	5736.0	5774.9	5821.5	5782.6	5531.3	5111.6
25°	6303.4	6313.7	6267.1	6181.6	6122.0	6197.1	6254.1	6378.5	6313.7	5971.8	5430.3
27.5°	6790.4	6793.0	6725.7	6637.6	6606.5	6746.4	6803.4	6995.1	6969.2	6466.6	5767.1
30°	7311.2	7313.8	7298.2	7238.6	7210.1	7394.1	7471.8	7749.0	7730.9	7080.6	6225.6
32.5°	7852.7	7852.7	7881.2	7876.0	7909.7	8210.2	8334.5	8650.6	8632.5	7831.9	6795.6
35°	8396.7	8399.3	8448.5	8572.9	8712.8	9111.8	9275.0	9658.4	9617.0	8730.9	7523.6
37.5°	9015.9	8990.0	9057.4	9243.9	9554.8	10016.0	10171.4	10536.7	10490.1	9650.7	8474.4
40°	9762.1	9715.4	9715.4	9933.1	10285.4	10816.5	10948.6	11130.0	10972.0	10394.2	9407.1
42.5°	10585.9	10541.9	10484.9	10676.6	10972.0	11386.5	11495.3	11446.1	11316.5	11096.3	10469.3
45°	11420.2	11352.8	11391.7	11508.3	11679.2	11876.1	11917.6	11689.6	11630.0	11692.2	11347.6
47.5°	12054.9	12008.3	12104.1	12267.3	12407.3	12435.7	12407.3	12091.2	12086.0	12306.2	11956.5
50°	12267.3	12272.5	12536.8	12894.3	13119.7	13143.0	13104.2	12741.5	12692.2	12757.0	12285.5
52.5°	12288.1	12308.8	12694.8	13376.2	13990.2	14270.0	14238.9	13847.7	13365.8	13295.9	12782.9
55°	11788.1	11909.8	12448.7	13443.6	14749.3	15643.1	15746.8	14998.0	14283.0	14223.4	13852.9
57.5°	9422.7	9671.4	10321.7	11738.8	13902.1	15785.6	16055.1	15516.2	14824.5	14570.6	13565.3
60°	5632.4	5940.7	6565.0	8303.5	10580.8	12974.6	13438.4	13513.5	13194.8	12461.7	10407.2
62.5°	2417.2	2391.3	3160.8	4492.4	6293.0	8246.5	8456.3	8782.7	9060.0	8293.1	6316.3
65°	829.0	901.6	1253.9	2026.0	3150.4	3829.2	4015.7	4308.5	4702.3	3881.0	2313.6
67.5°	513.0	544.1	722.8	1196.9	1699.6	1673.6	1590.7	1544.1	1502.7	1028.5	634.7
70°	373.1	399.0	507.8	823.9	1142.5	803.1	696.9	564.8	627.0	577.7	450.8
72.5°	251.3	272.0	349.8	500.0	585.5	391.2	362.7	411.9	497.4	474.1	367.9
75°	150.3	163.2	199.5	243.5	238.4	202.1	204.7	290.2	380.8	354.9	261.7
77.5°	103.6	108.8	132.1	158.0	116.6	62.2	57.0	80.3	129.5	129.5	88.1
80°	25.9	33.7	33.7	20.7	18.1	15.5	15.5	23.3	36.3	25.9	13.0
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2
85°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2
87.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
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: P642841

CATALOG NUMBER: GWS-SA6D-760-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9	3735.9
2.5°	3754.0	3723.0	3743.7	3738.5	3754.0	3759.2	3735.9	3730.7	3733.3	3702.2	3691.9
5°	3790.3	3754.0	3764.4	3754.0	3772.2	3787.7	3779.9	3790.3	3803.3	3779.9	3769.6
7.5°	3868.0	3831.8	3829.2	3813.6	3839.5	3849.9	3847.3	3875.8	3901.7	3886.2	3870.6
10°	4002.8	3953.5	3948.4	3935.4	3943.2	3950.9	3922.4	3927.6	3950.9	3932.8	3925.0
12.5°	4168.6	4109.0	4096.0	4064.9	4064.9	4026.1	3963.9	3950.9	3969.1	3956.1	3943.2
15°	4347.3	4267.0	4246.3	4191.9	4140.1	4067.5	4002.8	3987.2	4000.2	3984.6	3974.3
17.5°	4546.8	4456.1	4388.8	4292.9	4178.9	4093.4	4020.9	3987.2	3966.5	3935.4	3932.8
20°	4743.7	4624.5	4510.6	4357.7	4207.4	4077.9	3958.7	3870.6	3795.5	3748.9	3730.7
22.5°	4971.7	4795.5	4611.6	4396.6	4181.5	3984.6	3774.8	3624.5	3495.0	3450.9	3430.2
25°	5215.2	4987.3	4712.6	4432.8	4093.4	3777.4	3492.4	3269.6	3098.6	3041.6	3018.3
27.5°	5484.7	5171.2	4816.3	4425.1	3912.1	3482.0	3103.8	2826.5	2658.1	2606.3	2624.5
30°	5826.7	5409.6	4945.8	4344.7	3640.0	3067.5	2624.5	2391.3	2264.3	2215.1	2217.7
32.5°	6282.6	5751.5	5134.9	4173.7	3290.3	2596.0	2207.3	2036.4	1950.9	1886.1	1880.9
35°	6935.5	6272.3	5311.1	3899.1	2865.4	2176.3	1893.9	1759.1	1640.0	1564.8	1577.8
37.5°	7717.9	6927.7	5407.0	3528.6	2388.7	1849.8	1658.1	1520.8	1386.1	1274.7	1287.6
40°	8645.4	7785.3	5399.2	3041.6	1953.4	1627.0	1461.2	1300.6	1132.2	1031.1	1041.5
42.5°	9679.2	8596.2	5230.8	2526.0	1619.2	1445.7	1272.1	1070.0	906.8	844.6	847.2
45°	10575.6	9254.3	4935.4	1992.3	1362.8	1269.5	1075.2	867.9	795.4	751.3	748.7
47.5°	11238.8	9736.2	4513.1	1567.4	1155.5	1108.9	883.5	777.2	720.2	684.0	678.8
50°	11609.3	9904.6	4046.8	1228.0	976.7	940.5	790.2	704.7	665.8	642.5	637.3
52.5°	12106.7	10106.6	3712.6	969.0	818.7	769.5	728.0	655.5	629.6	611.4	603.7
55°	12894.3	10497.8	3422.4	769.5	681.4	671.0	686.6	627.0	611.4	582.9	572.6
57.5°	12153.4	9430.4	2658.1	595.9	575.2	614.0	663.2	598.5	559.6	533.7	523.3
60°	8552.2	6269.7	1336.8	479.3	513.0	575.2	624.4	541.5	502.6	507.8	502.6
62.5°	4715.2	3137.4	601.1	401.6	445.6	507.8	533.7	468.9	443.0	487.1	494.8
65°	1541.5	1067.4	347.2	310.9	352.3	414.5	461.2	445.6	440.4	492.2	507.8
67.5°	474.1	352.3	235.8	222.8	243.5	305.7	388.6	481.9	518.2	533.7	541.5
70°	354.9	277.2	202.1	189.1	199.5	233.2	329.0	401.6	378.3	380.8	375.7
72.5°	285.0	220.2	173.6	165.8	165.8	160.6	173.6	217.6	246.1	259.1	259.1
75°	199.5	155.4	132.1	121.8	95.9	77.7	70.0	70.0	62.2	59.6	57.0
77.5°	67.4	57.0	51.8	41.5	28.5	23.3	20.7	18.1	13.0	7.8	5.2
80°	10.4	7.8	5.2	5.2	5.2	2.6	2.6	2.6	0.0	0.0	0.0
82.5°	5.2	5.2	5.2	5.2	5.2	2.6	2.6	0.0	0.0	0.0	0.0
85°	5.2	5.2	5.2	5.2	5.2	2.6	2.6	0.0	0.0	0.0	0.0
87.5°	5.2	5.2	5.2	5.2	2.6	2.6	2.6	0.0	0.0	0.0	0.0
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)