

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: P643505

Luminaire Tested: GWS-SA6F-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643505  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-722-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

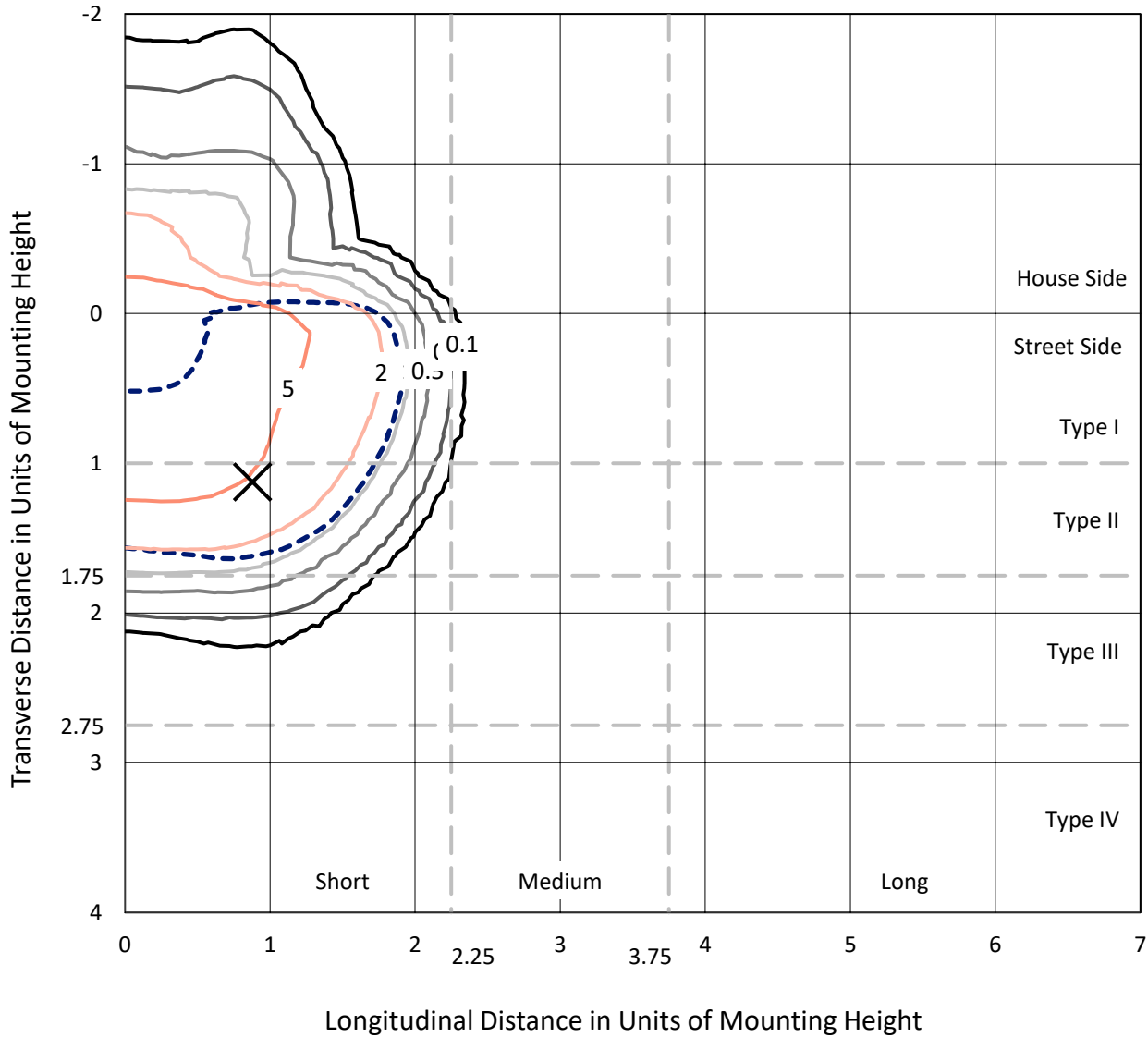
Lumens per Lamp: N/A  
Luminaire Lumens: 22993.1 lumens  
Efficiency: N/A  
Efficacy: 61.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P643505  
 CATALOG NUMBER: GWS-SA6F-722-U-T3R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

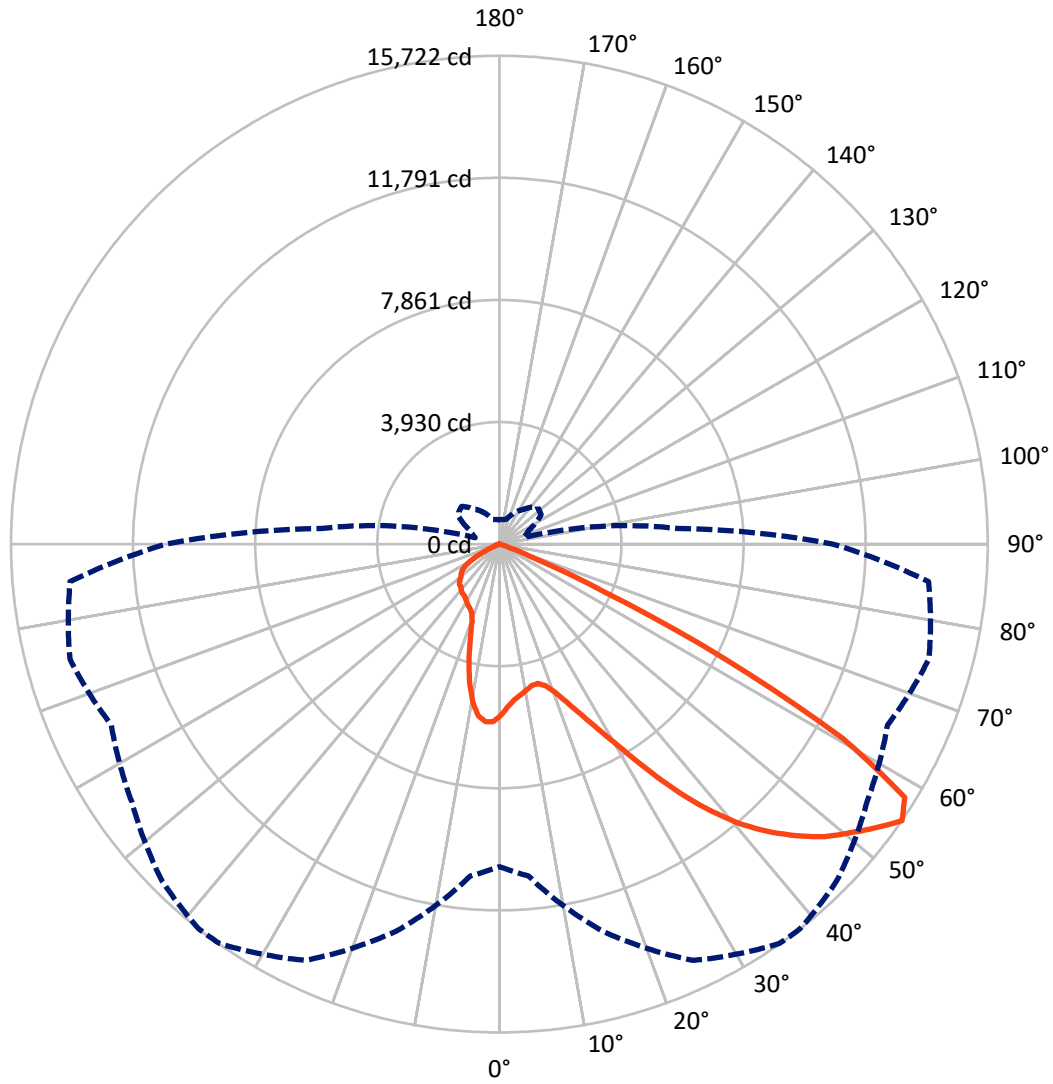
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P643505  
CATALOG NUMBER: GWS-SA6F-722-U-T3R-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P643505  
 CATALOG NUMBER: GWS-SA6F-722-U-T3R-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4479.8	0.0	4479.8
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	18513.4	0.0	18513.4
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	22993.1	0.0	22993.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.8	2.2
10°-20°	1372.5	6.0
20°-30°	2355.4	10.2
30°-40°	3906.5	17.0
40°-50°	5742.7	25.0
50°-60°	6710.6	29.2
60°-70°	2274.7	9.9
70°-80°	116.3	0.5
80°-90°	4.6	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°	22993.1	100.0
0°-180°	22993.1	100.0

**Coefficient of Utilization**



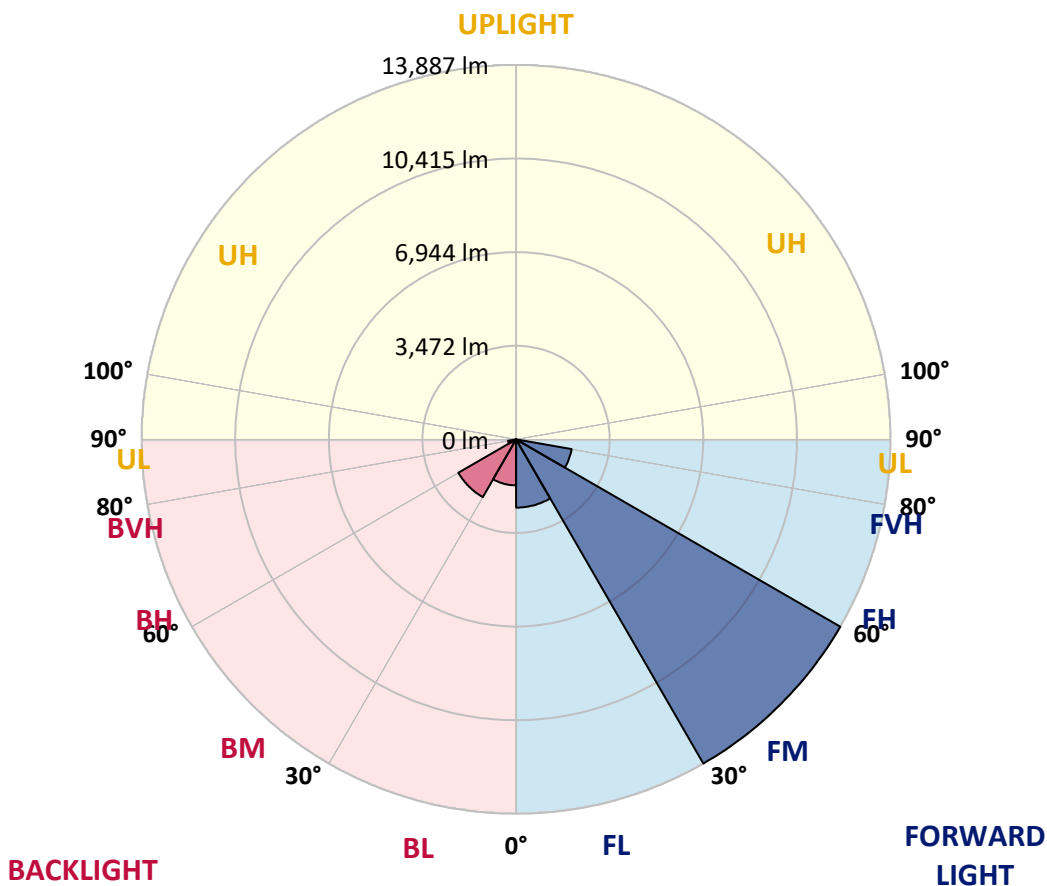
REPORT NUMBER: P643505

CATALOG NUMBER: GWS-SA6F-722-U-T3R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2531.0	11.0			
FM (30°-60°)	13887.2	60.4			
FH (60°-80°)	2092.7	9.1			G2/5000
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	1706.7	7.4	B3/2500		
BM (30°-60°)	2472.6	10.8	B2/2500		
BH (60°-80°)	298.2	1.3	B1/500		G1/500
BVH (80°-90°)	2.2	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: P643505

CATALOG NUMBER: GWS-SA6F-722-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9
2.5°	5135.5	5125.0	5146.0	5188.0	5227.4	5240.6	5280.0	5335.2	5369.4	5450.8	5516.5
5°	4904.2	4898.9	4920.0	4956.7	5009.3	5027.7	5088.2	5180.1	5272.1	5414.1	5553.3
7.5°	4693.9	4691.3	4722.8	4804.3	4880.5	4904.2	4977.8	5090.8	5214.3	5432.4	5637.4
10°	4418.0	4420.6	4481.0	4596.7	4736.0	4783.3	4901.6	5064.5	5224.8	5506.0	5789.9
12.5°	4328.6	4333.9	4365.4	4454.8	4607.2	4667.6	4833.2	5080.3	5285.3	5611.2	5987.0
15°	4546.8	4546.8	4520.5	4531.0	4599.3	4654.5	4828.0	5132.8	5387.8	5737.3	6181.5
17.5°	4969.9	4954.1	4888.4	4799.1	4775.4	4793.8	4933.1	5245.8	5532.3	5884.5	6402.2
20°	5542.8	5548.1	5419.3	5232.7	5082.9	5080.3	5164.4	5445.6	5739.9	6060.6	6641.4
22.5°	6236.7	6215.6	6044.8	5789.9	5529.7	5508.7	5542.8	5750.5	6039.6	6339.2	6935.8
25°	7040.9	7030.4	6788.6	6446.9	6102.6	6052.7	6052.7	6257.7	6468.0	6736.0	7287.9
27.5°	7881.9	7881.9	7648.0	7253.8	6796.5	6707.1	6694.0	6935.8	7075.1	7127.6	7584.9
30°	8746.6	8736.1	8504.8	8100.1	7611.2	7519.2	7482.4	7661.1	7761.0	7603.3	7955.5
32.5°	9624.4	9642.8	9408.9	9033.1	8596.8	8536.3	8423.3	8423.3	8504.8	8284.0	8539.0
35°	10567.9	10562.7	10378.7	10123.7	9750.5	9682.2	9495.6	9203.9	9327.4	9230.2	9345.8
37.5°	11401.0	11440.5	11351.1	11161.9	10859.6	10791.3	10483.8	9955.5	10050.2	10202.6	10305.1
40°	12247.3	12278.9	12368.2	12307.8	11926.7	11800.5	11253.9	10386.6	10491.7	11014.7	11309.1
42.5°	13077.8	13093.6	13274.9	13374.8	12864.9	12644.2	11837.3	10649.4	10759.8	11650.7	12165.8
45°	13606.1	13640.3	13939.9	14244.7	13692.8	13390.6	12344.6	10985.8	11033.1	12092.3	12799.2
47.5°	13585.1	13663.9	14226.3	14780.9	14405.1	14079.2	12954.3	11524.6	11445.7	12507.5	13217.1
50°	13161.9	13256.5	14063.4	14943.8	14917.5	14615.3	13632.4	12305.1	12058.1	12875.5	13269.7
52.5°	12284.1	12557.4	13776.9	14964.9	15330.2	15177.7	14470.8	13356.4	12886.0	13403.7	13353.8
55°	10386.6	10723.0	12907.0	14786.1	15703.4	15721.8	15351.2	14452.4	13784.8	14313.1	13871.5
57.5°	7884.5	8152.6	9934.5	13161.9	15085.8	15388.0	15692.9	15030.6	14339.3	14933.3	13992.4
60°	4751.7	5061.9	6220.9	9658.6	12184.2	12699.4	13895.2	13766.4	12933.3	13188.2	11474.6
62.5°	1926.5	2089.4	2872.6	5322.1	7669.0	8150.0	9295.9	9490.4	9285.4	9025.2	6959.4
65°	704.4	770.1	1151.1	2199.8	3527.0	3703.1	4307.6	4651.9	4935.7	4202.5	2588.8
67.5°	436.3	478.3	749.0	1130.1	1282.6	1193.2	1214.2	1448.1	1382.4	854.2	462.6
70°	323.3	357.4	586.1	783.2	517.8	399.5	270.7	289.1	260.2	228.7	226.0
72.5°	223.4	254.9	438.9	462.6	199.7	141.9	99.9	139.3	157.7	155.1	160.3
75°	147.2	170.8	276.0	181.3	49.9	39.4	34.2	73.6	94.6	94.6	97.2
77.5°	86.7	99.9	97.2	36.8	10.5	10.5	7.9	13.1	21.0	23.7	28.9
80°	10.5	7.9	5.3	5.3	5.3	5.3	5.3	5.3	7.9	7.9	7.9
82.5°	2.6	2.6	2.6	5.3	5.3	5.3	5.3	5.3	5.3	7.9	7.9
85°	0.0	0.0	2.6	2.6	5.3	5.3	5.3	5.3	5.3	7.9	7.9
87.5°	0.0	0.0	2.6	2.6	5.3	5.3	5.3	5.3	5.3	7.9	7.9
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: P643505  
 CATALOG NUMBER: GWS-SA6F-722-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9	5513.9
2.5°	5566.5	5548.1	5624.3	5679.5	5724.2	5745.2	5716.3	5713.7	5713.7	5655.8	5640.1
5°	5632.2	5640.1	5747.8	5795.1	5803.0	5776.7	5711.0	5666.4	5640.1	5579.6	5545.5
7.5°	5758.3	5784.6	5887.1	5879.2	5808.3	5687.4	5513.9	5379.9	5293.2	5198.5	5140.7
10°	5939.7	5989.6	6052.7	5942.3	5716.3	5408.8	5051.4	4796.4	4644.0	4536.2	4470.5
12.5°	6160.5	6210.4	6189.4	5929.2	5458.7	4909.4	4449.5	4081.6	3905.5	3808.2	3739.9
15°	6383.8	6415.4	6278.7	5771.5	5004.1	4265.5	3753.0	3387.7	3172.2	3093.4	3035.5
17.5°	6612.5	6604.6	6294.5	5461.4	4396.9	3540.2	3035.5	2785.9	2725.4	2712.3	2707.0
20°	6851.7	6780.7	6231.4	5017.2	3666.3	2822.7	2536.2	2552.0	2662.3	2714.9	2725.4
22.5°	7125.0	6946.3	6073.7	4415.3	2919.9	2352.2	2381.1	2536.2	2686.0	2757.0	2767.5
25°	7416.7	7098.7	5810.9	3642.7	2302.3	2163.0	2333.8	2512.5	2672.9	2759.6	2770.1
27.5°	7608.6	7135.5	5379.9	2864.7	1976.4	2089.4	2270.7	2441.6	2607.2	2701.8	2714.9
30°	7816.2	7119.7	4793.8	2207.7	1866.0	2026.3	2184.0	2339.1	2491.5	2596.6	2607.2
32.5°	8121.1	7109.2	4078.9	1792.4	1821.3	1976.4	2092.0	2220.8	2325.9	2386.4	2378.5
35°	8520.6	7096.1	3245.8	1616.3	1795.0	1937.0	2029.0	2089.4	1973.8	1937.0	1944.9
37.5°	9033.1	7127.6	2544.1	1542.7	1787.2	1926.5	2005.3	1831.8	1653.1	1584.8	1574.3
40°	9600.7	7209.1	1939.6	1513.8	1813.4	1952.7	1915.9	1629.5	1408.7	1274.7	1245.8
42.5°	10171.1	7298.5	1534.9	1503.3	1858.1	2026.3	1768.8	1482.3	1151.1	1074.9	1064.4
45°	10594.2	7282.7	1327.2	1484.9	1897.5	2068.4	1729.3	1272.0	1027.6	993.5	996.1
47.5°	10807.1	7109.2	1214.2	1442.9	1913.3	2026.3	1632.1	1185.3	943.5	980.3	1011.8
50°	10694.1	6659.8	1109.1	1361.4	1879.1	1971.1	1477.0	1119.6	901.5	1053.9	1124.9
52.5°	10557.4	6107.9	993.5	1235.2	1797.7	1894.9	1416.6	1101.2	875.2	1017.1	1069.7
55°	10738.7	5758.3	804.2	1040.8	1637.4	1716.2	1369.3	1098.6	814.7	791.1	783.2
57.5°	10483.8	5061.9	575.6	749.0	1256.3	1358.8	1335.1	1080.2	722.7	720.1	730.6
60°	8102.7	3088.1	394.2	475.7	770.1	867.3	1211.6	1032.9	622.9	572.9	575.6
62.5°	4604.6	1314.1	270.7	294.4	394.2	467.8	925.1	938.3	575.6	546.7	575.6
65°	1603.2	470.4	210.3	197.1	218.1	249.7	530.9	725.4	523.0	473.1	478.3
67.5°	331.2	233.9	186.6	162.9	162.9	162.9	270.7	452.0	431.0	375.8	381.1
70°	210.3	199.7	162.9	139.3	134.0	123.5	155.1	249.7	297.0	273.3	276.0
72.5°	155.1	152.4	128.8	113.0	99.9	89.4	97.2	123.5	152.4	157.7	160.3
75°	94.6	97.2	84.1	71.0	63.1	55.2	57.8	57.8	57.8	52.6	57.8
77.5°	28.9	31.5	26.3	21.0	18.4	18.4	18.4	15.8	13.1	7.9	7.9
80°	7.9	7.9	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0
82.5°	7.9	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0
85°	7.9	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0
87.5°	7.9	7.9	7.9	7.9	5.3	5.3	2.6	2.6	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)