

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: P640508

Luminaire Tested: GWS-SA5E-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-722-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

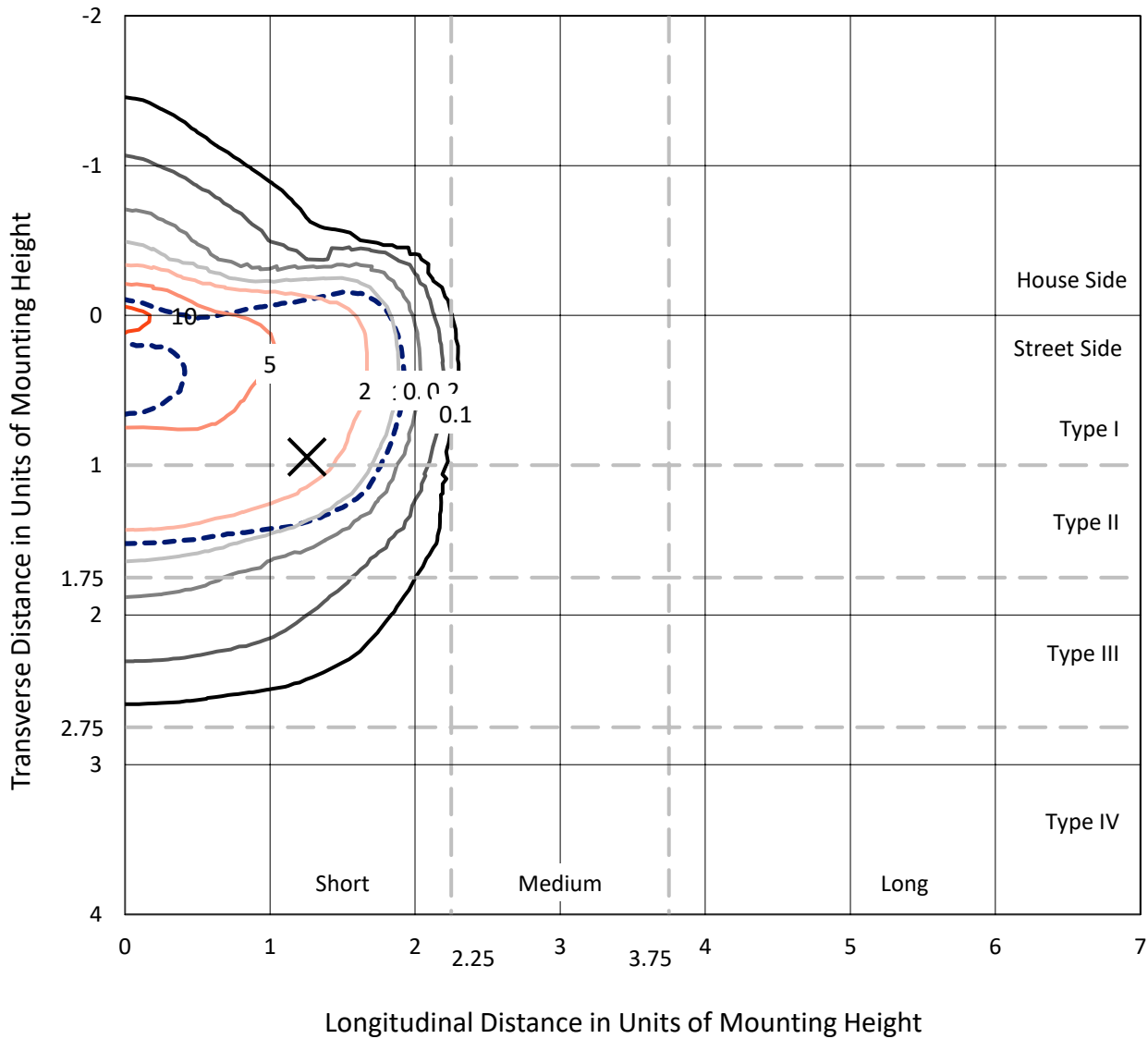
Lumens per Lamp: N/A  
Luminaire Lumens: 16173.7 lumens  
Efficiency: N/A  
Efficacy: 60.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

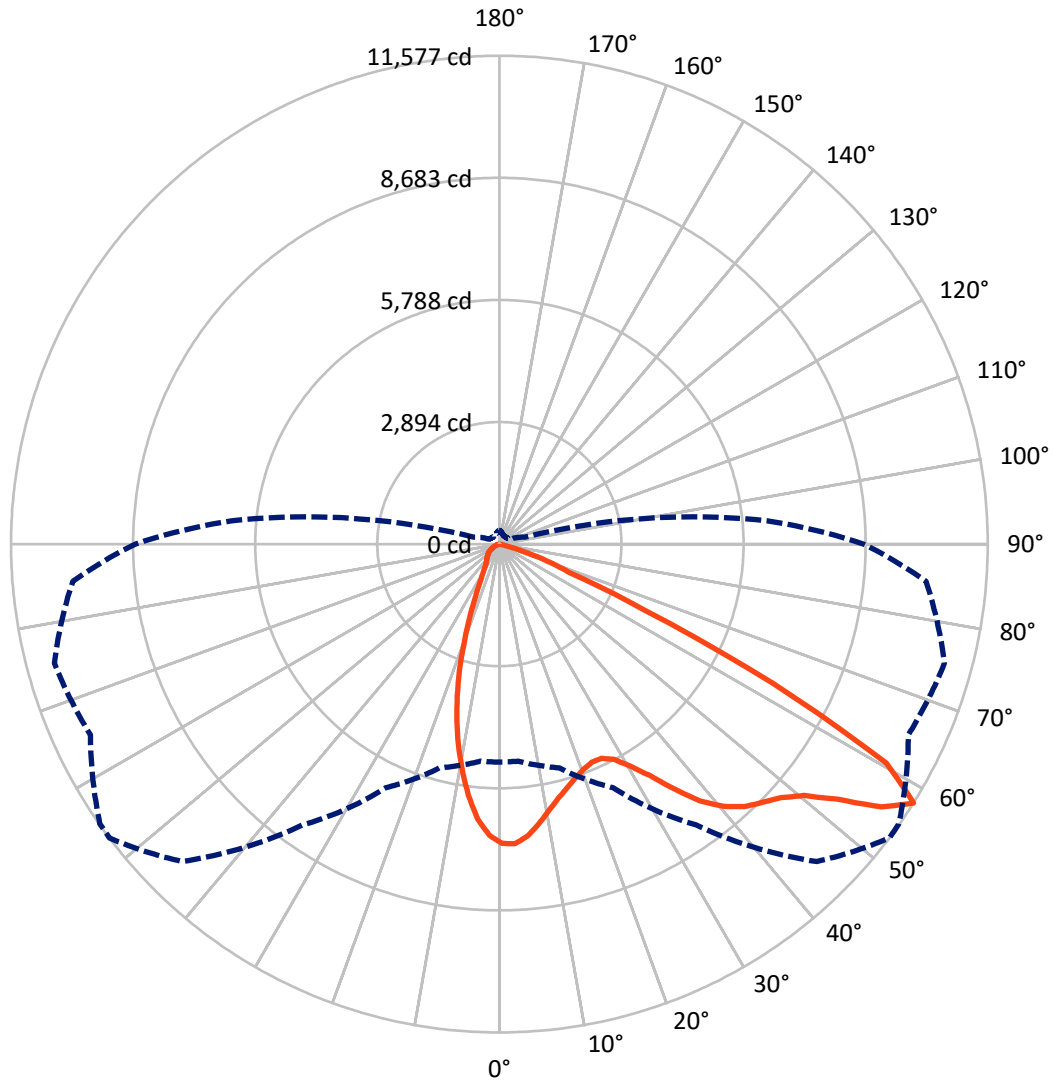
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2671.7	0.0	2671.7
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	13502.0	0.0	13502.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	16173.7	0.0	16173.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	607.0	3.8
10°-20°	1332.6	8.2
20°-30°	1736.0	10.7
30°-40°	2518.2	15.6
40°-50°	3633.5	22.5
50°-60°	4394.4	27.2
60°-70°	1791.0	11.1
70°-80°	160.9	1.0
80°-90°	0.0	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°	16173.7	100.0
0°-180°	16173.7	100.0

**Coefficient of Utilization**



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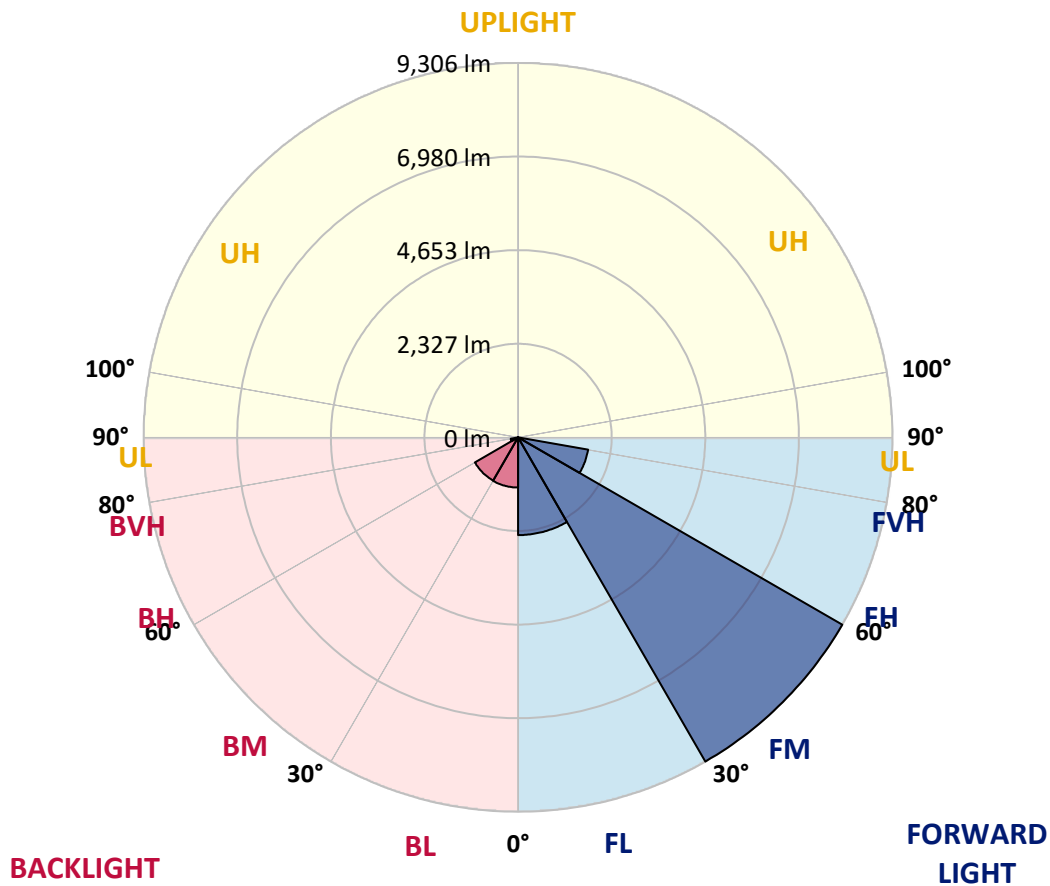
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2428.8	15.0			
FM (30°-60°)	9306.0	57.5			
FH (60°-80°)	1767.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1246.9	7.7	B3/2500		
BM (30°-60°)	1240.1	7.7	B2/2500		
BH (60°-80°)	184.7	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7
2.5°	6995.6	7011.4	7039.2	7074.9	7098.7	7110.6	7110.6	7144.3	7122.5	7104.6	7084.8
5°	6696.3	6712.1	6749.8	6807.3	6864.8	6906.4	6954.0	6989.6	7003.5	7003.5	6969.8
7.5°	6274.0	6295.8	6319.6	6398.9	6523.8	6617.0	6698.2	6749.8	6825.1	6848.9	6801.3
10°	5820.1	5841.9	5895.4	6004.4	6147.2	6285.9	6424.7	6490.1	6619.0	6686.3	6632.8
12.5°	5435.5	5445.4	5516.8	5647.6	5830.0	6020.3	6188.8	6256.2	6438.6	6539.7	6476.2
15°	5118.3	5124.3	5195.6	5340.4	5550.5	5784.4	5996.5	6065.9	6289.9	6442.5	6347.4
17.5°	4878.5	4880.5	4941.9	5098.5	5318.6	5578.2	5830.0	5915.2	6204.6	6389.0	6246.3
20°	4757.6	4751.6	4795.2	4932.0	5140.1	5399.8	5697.2	5802.2	6157.1	6381.1	6169.0
22.5°	4759.5	4745.7	4763.5	4860.6	5037.1	5280.9	5613.9	5732.9	6161.0	6414.8	6103.5
25°	4872.5	4852.7	4856.7	4908.2	5033.1	5255.1	5625.8	5752.7	6240.3	6527.8	6079.8
27.5°	5062.8	5041.0	5041.0	5066.8	5134.2	5336.4	5774.5	5919.2	6452.4	6747.8	6129.3
30°	5308.6	5286.8	5278.9	5304.7	5360.2	5546.5	6105.5	6256.2	6815.2	7108.6	6287.9
32.5°	5590.1	5564.4	5578.2	5613.9	5667.4	5925.1	6531.7	6731.9	7269.2	7594.3	6573.4
35°	5887.5	5865.7	5929.1	6006.4	6089.7	6450.5	7120.5	7294.9	7826.2	8198.9	7009.5
37.5°	6170.9	6161.0	6293.9	6456.4	6628.9	7080.8	7719.1	7853.9	8303.9	8857.0	7542.7
40°	6454.4	6452.4	6680.4	6965.9	7241.4	7709.2	8173.1	8284.1	8595.3	9368.4	8054.1
42.5°	6771.6	6771.6	7086.8	7467.4	7834.1	8240.5	8506.1	8555.7	8726.2	9663.8	8438.7
45°	7074.9	7092.7	7457.5	7899.5	8333.7	8654.8	8736.1	8740.0	8779.7	9838.2	8757.9
47.5°	7314.7	7330.6	7766.7	8276.2	8744.0	8970.0	8981.9	8964.0	8920.4	10004.7	9003.7
50°	7509.0	7532.8	7988.7	8527.9	9025.5	9273.3	9364.5	9346.6	9235.6	10183.2	9176.1
52.5°	7604.2	7637.9	8066.0	8652.8	9338.7	9792.6	10046.4	10088.0	9707.4	10282.3	9340.7
55°	6843.0	6892.5	7287.0	8089.8	9513.1	10595.5	10993.9	10986.0	10218.8	10577.6	9741.1
57.5°	5167.9	5163.9	5491.0	6369.2	8125.5	10641.1	11576.7	11560.9	10696.6	10920.6	10151.4
60°	3518.6	3494.8	3582.0	4006.3	5681.3	8668.7	10536.0	10750.1	10357.6	10088.0	8619.1
62.5°	2896.2	2874.4	2846.6	2729.6	3262.9	5399.8	7279.1	7604.2	7552.6	7011.4	5405.8
65°	2370.8	2388.7	2466.0	2416.4	2269.8	2769.3	3778.3	3970.6	3629.6	3054.7	1889.1
67.5°	1748.4	1756.3	1857.4	2119.1	2039.8	1843.6	1778.1	1809.9	1060.5	487.6	315.2
70°	1032.8	1038.7	1131.9	1482.8	1655.2	1415.4	1201.3	1183.4	420.3	130.8	142.7
72.5°	584.8	572.9	590.7	705.7	902.0	751.3	618.5	563.0	126.9	73.3	73.3
75°	277.5	269.6	231.9	218.1	198.2	126.9	79.3	67.4	31.7	29.7	29.7
77.5°	2.0	5.9	4.0	5.9	5.9	4.0	2.0	2.0	5.9	5.9	7.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7	7094.7
2.5°	7049.1	6989.6	6975.8	6971.8	6916.3	6856.8	6795.4	6771.6	6735.9	6714.1	6731.9
5°	6916.3	6831.1	6755.7	6686.3	6563.4	6428.6	6311.7	6236.4	6165.0	6117.4	6129.3
7.5°	6728.0	6617.0	6444.5	6268.1	6042.1	5839.9	5613.9	5475.2	5346.3	5274.9	5308.6
10°	6527.8	6381.1	6105.5	5806.2	5451.4	5134.2	4811.1	4547.4	4394.8	4250.1	4265.9
12.5°	6331.5	6137.2	5724.9	5271.0	4823.0	4355.1	3867.5	3502.8	3253.0	3072.6	3044.8
15°	6149.1	5899.4	5354.2	4755.6	4145.0	3522.6	2900.1	2378.8	2089.4	1911.0	1899.1
17.5°	5986.6	5677.4	4969.7	4216.4	3451.2	2654.3	1938.7	1548.2	1381.7	1304.4	1296.4
20°	5830.0	5453.3	4577.2	3669.3	2694.0	1863.4	1338.1	1157.7	1104.1	1072.4	1076.4
22.5°	5679.3	5209.5	4164.8	3062.7	2020.0	1308.3	1036.8	967.4	961.4	965.4	967.4
25°	5552.5	4985.5	3740.6	2477.9	1441.1	997.1	866.3	846.4	864.3	890.1	894.0
27.5°	5487.0	4803.2	3326.3	1889.1	1042.7	810.8	751.3	759.2	790.9	818.7	822.7
30°	5504.9	4666.4	2898.1	1369.8	802.8	683.9	664.1	679.9	711.7	737.4	741.4
32.5°	5631.8	4597.0	2460.1	997.1	660.1	596.7	588.7	600.6	628.4	648.2	650.2
35°	5883.5	4612.8	2043.8	763.2	566.9	531.3	529.3	537.2	551.1	565.0	566.9
37.5°	6254.2	4741.7	1633.4	634.3	513.4	487.6	479.7	479.7	489.6	495.6	499.5
40°	6652.7	4936.0	1308.3	561.0	475.8	448.0	432.1	426.2	434.1	442.1	444.0
42.5°	6981.7	5130.2	1062.5	509.5	446.0	408.4	388.5	384.6	394.5	408.4	412.3
45°	7233.5	5280.9	886.1	467.8	412.3	370.7	348.9	348.9	366.7	390.5	394.5
47.5°	7463.4	5401.8	755.3	430.2	380.6	337.0	315.2	319.2	348.9	380.6	386.6
50°	7620.0	5498.9	658.1	396.5	354.8	309.2	289.4	297.3	333.0	370.7	376.6
52.5°	7788.5	5617.9	594.7	366.7	331.0	287.4	269.6	275.5	315.2	356.8	364.7
55°	8254.4	6016.3	592.7	327.1	289.4	257.7	249.8	251.8	291.4	339.0	348.9
57.5°	8635.0	6367.2	632.4	275.5	241.8	226.0	222.0	224.0	259.7	313.2	325.1
60°	7144.3	4947.9	523.3	228.0	202.2	198.2	192.3	196.2	229.9	277.5	287.4
62.5°	4228.3	2828.8	249.8	174.4	172.5	168.5	162.5	170.5	202.2	243.8	249.8
65°	1445.1	838.5	158.6	142.7	146.7	140.7	134.8	142.7	170.5	194.3	196.2
67.5°	277.5	222.0	126.9	118.9	120.9	109.0	107.0	115.0	130.8	134.8	132.8
70°	144.7	128.9	97.1	97.1	93.2	77.3	77.3	85.2	85.2	79.3	77.3
72.5°	75.3	71.4	63.4	71.4	59.5	47.6	47.6	51.5	47.6	39.6	39.6
75°	29.7	29.7	27.8	35.7	25.8	21.8	19.8	23.8	17.8	13.9	13.9
77.5°	7.9	7.9	7.9	9.9	5.9	5.9	4.0	4.0	2.0	0.0	0.0
80°	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)