

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: P643313

Luminaire Tested: GWS-SA6E-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643313  
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-SAGE-760-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

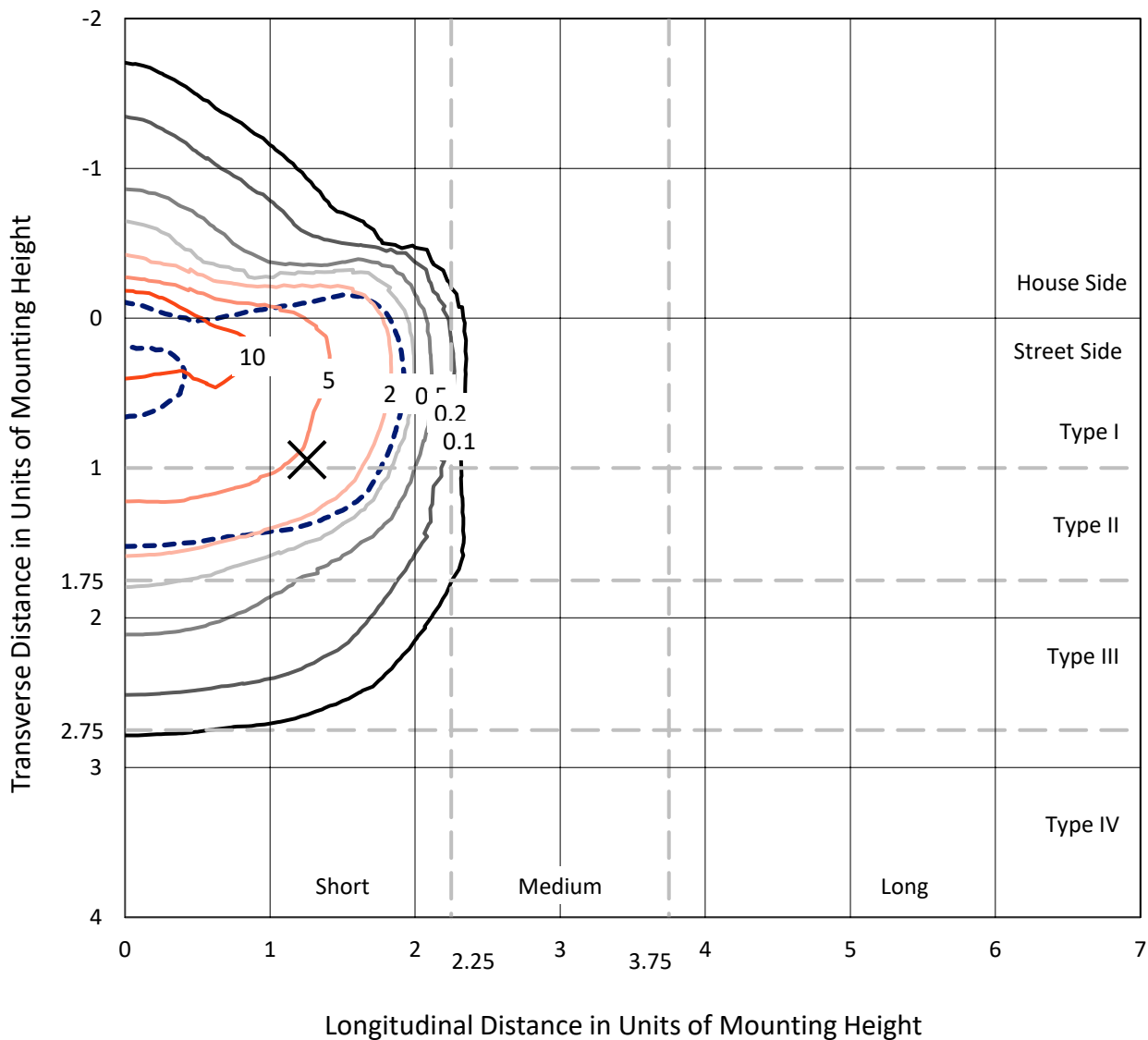
Lumens per Lamp: N/A  
Luminaire Lumens: 26415.5 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

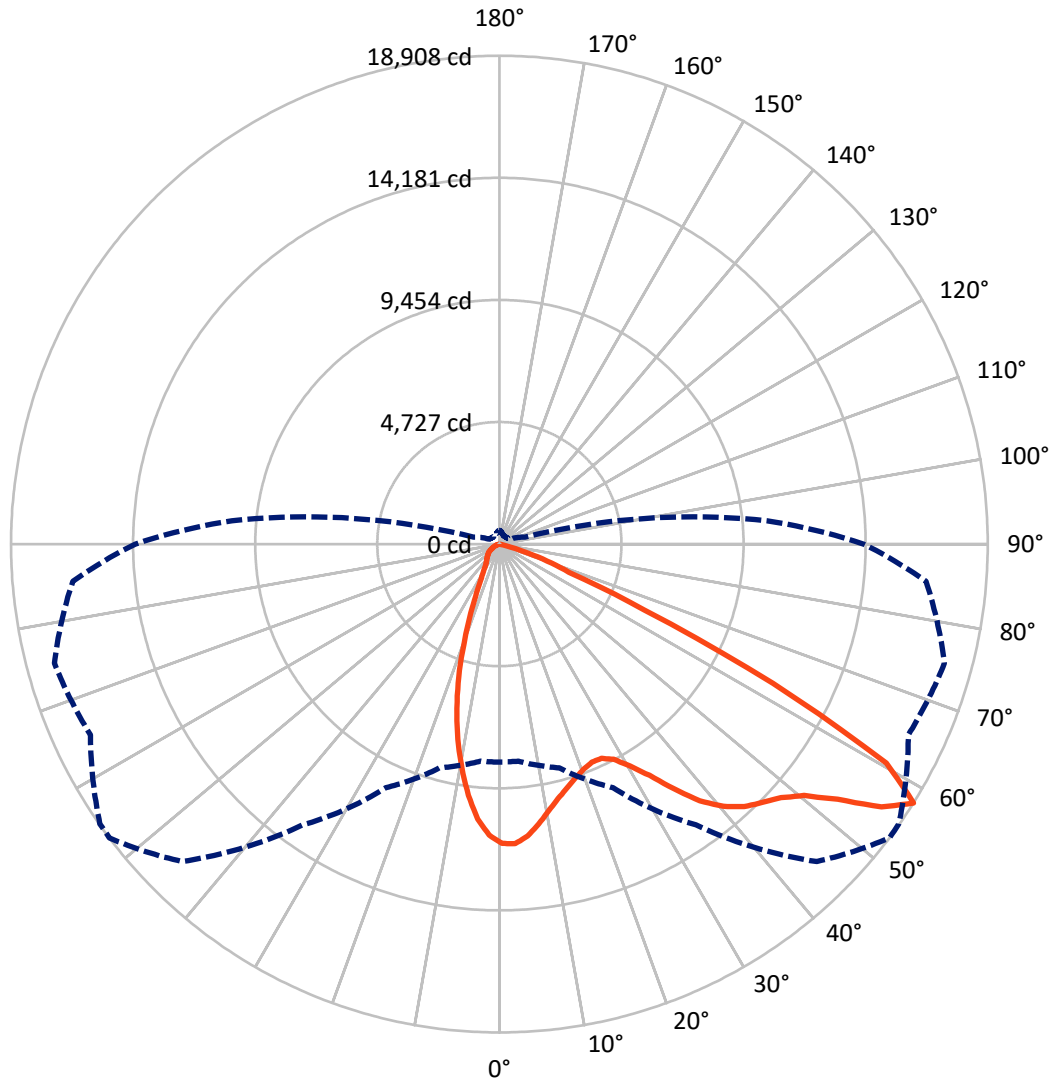
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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	4363.5	0.0	4363.5
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	22052.0	0.0	22052.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	26415.5	0.0	26415.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	991.4	3.8
10°-20°	2176.5	8.2
20°-30°	2835.4	10.7
30°-40°	4112.8	15.6
40°-50°	5934.4	22.5
50°-60°	7177.1	27.2
60°-70°	2925.1	11.1
70°-80°	262.8	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°	26415.5	100.0
0°-180°	26415.5	100.0

**Coefficient of Utilization**



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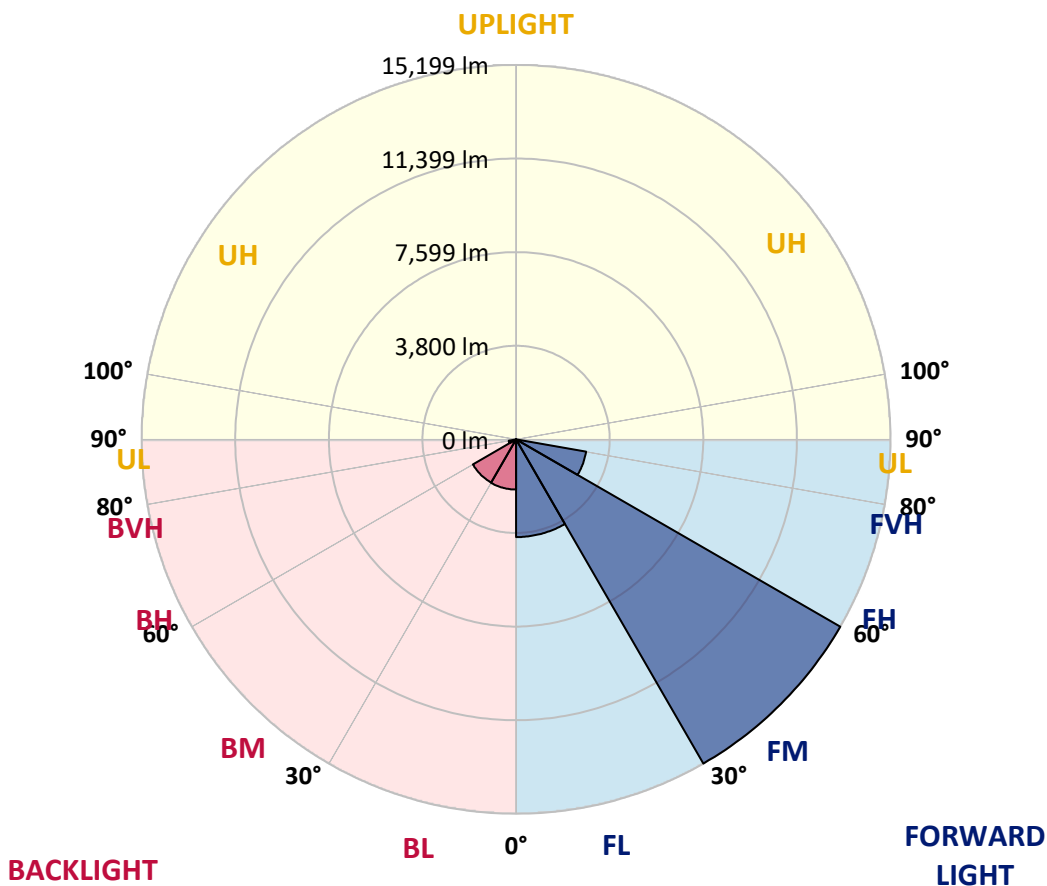
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3966.7	15.0			
FM (30°-60°)	15199.0	57.5			
FH (60°-80°)	2886.3	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2036.5	7.7	B3/2500		
BM (30°-60°)	2025.3	7.7	B2/2500		
BH (60°-80°)	301.6	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3
2.5°	11425.5	11451.4	11496.7	11555.0	11593.8	11613.2	11613.2	11668.3	11632.7	11603.5	11571.2
5°	10936.6	10962.5	11024.0	11117.9	11211.8	11279.8	11357.5	11415.8	11438.4	11438.4	11383.4
7.5°	10247.0	10282.6	10321.4	10450.9	10654.9	10807.1	10939.8	11024.0	11147.0	11185.9	11108.2
10°	9505.6	9541.2	9628.6	9806.7	10039.8	10266.4	10493.0	10599.9	10810.3	10920.4	10833.0
12.5°	8877.5	8893.7	9010.2	9223.9	9521.8	9832.6	10107.8	10217.8	10515.7	10680.8	10577.2
15°	8359.5	8369.2	8485.7	8722.1	9065.3	9447.3	9793.7	9907.0	10272.9	10522.2	10366.8
17.5°	7967.7	7971.0	8071.3	8327.1	8686.5	9110.6	9521.8	9661.0	10133.7	10434.8	10201.7
20°	7770.2	7760.5	7831.7	8055.1	8395.1	8819.2	9304.8	9476.4	10056.0	10421.8	10075.4
22.5°	7773.5	7750.8	7779.9	7938.6	8226.7	8624.9	9168.9	9363.1	10062.4	10476.8	9968.5
25°	7958.0	7925.6	7932.1	8016.3	8220.2	8582.9	9188.3	9395.5	10191.9	10661.4	9929.7
27.5°	8268.8	8233.2	8233.2	8275.3	8385.4	8715.6	9431.1	9667.5	10538.4	11020.8	10010.6
30°	8670.3	8634.7	8621.7	8663.8	8754.5	9058.8	9971.8	10217.8	11130.8	11610.0	10269.6
32.5°	9130.0	9087.9	9110.6	9168.9	9256.3	9677.2	10667.9	10994.9	11872.3	12403.2	10735.9
35°	9615.7	9580.0	9683.6	9809.9	9945.9	10535.1	11629.4	11914.3	12782.0	13390.7	11448.1
37.5°	10078.6	10062.4	10279.4	10544.8	10826.5	11564.7	12607.2	12827.3	13562.3	14465.6	12319.0
40°	10541.6	10538.4	10910.7	11376.9	11826.9	12591.0	13348.6	13529.9	14038.2	15300.9	13154.3
42.5°	11059.6	11059.6	11574.4	12196.0	12795.0	13458.7	13892.5	13973.4	14251.9	15783.3	13782.4
45°	11555.0	11584.1	12179.8	12901.8	13610.8	14135.3	14268.1	14274.5	14339.3	16068.2	14303.7
47.5°	11946.7	11972.6	12684.9	13516.9	14281.0	14650.1	14669.5	14640.4	14569.2	16340.1	14705.1
50°	12264.0	12302.9	13047.5	13928.1	14740.8	15145.5	15294.4	15265.2	15083.9	16631.5	14986.8
52.5°	12419.4	12474.4	13173.8	14132.1	15252.3	15993.7	16408.1	16476.1	15854.5	16793.4	15255.5
55°	11176.2	11257.1	11901.4	13212.6	15537.2	17304.9	17955.7	17942.7	16689.8	17275.8	15909.5
57.5°	8440.4	8433.9	8968.1	10402.4	13270.9	17379.4	18907.5	18881.6	17470.1	17835.9	16579.7
60°	5746.7	5707.9	5850.3	6543.2	9278.9	14158.0	17207.8	17557.5	16916.4	16476.1	14077.1
62.5°	4730.1	4694.5	4649.2	4458.2	5329.1	8819.2	11888.4	12419.4	12335.2	11451.4	8828.9
65°	3872.2	3901.3	4027.6	3946.6	3707.0	4522.9	6170.9	6484.9	5928.0	4989.1	3085.4
67.5°	2855.6	2868.5	3033.6	3461.0	3331.5	3011.0	2904.1	2955.9	1732.1	796.4	514.8
70°	1686.8	1696.5	1848.7	2421.7	2703.4	2311.6	1962.0	1932.8	686.4	213.7	233.1
72.5°	955.1	935.7	964.8	1152.6	1473.1	1227.0	1010.1	919.5	207.2	119.8	119.8
75°	453.3	440.3	378.8	356.1	323.8	207.2	129.5	110.1	51.8	48.6	48.6
77.5°	3.2	9.7	6.5	9.7	9.7	6.5	3.2	3.2	9.7	9.7	13.0
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°	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3	11587.3
2.5°	11512.9	11415.8	11393.1	11386.6	11296.0	11198.8	11098.5	11059.6	11001.3	10965.7	10994.9
5°	11296.0	11156.7	11033.7	10920.4	10719.7	10499.5	10308.5	10185.5	10068.9	9991.2	10010.6
7.5°	10988.4	10807.1	10525.4	10237.3	9868.2	9537.9	9168.9	8942.2	8731.8	8615.2	8670.3
10°	10661.4	10421.8	9971.8	9482.9	8903.4	8385.4	7857.6	7427.0	7177.7	6941.4	6967.3
12.5°	10340.9	10023.6	9350.2	8608.8	7877.1	7113.0	6316.5	5720.8	5312.9	5018.3	4972.9
15°	10043.0	9635.1	8744.7	7767.0	6769.8	5753.2	4736.6	3885.1	3412.4	3121.0	3101.6
17.5°	9777.5	9272.5	8116.6	6886.4	5636.6	4335.1	3166.4	2528.6	2256.6	2130.3	2117.4
20°	9521.8	8906.6	7475.6	5992.8	4399.9	3043.3	2185.4	1890.8	1803.3	1751.5	1758.0
22.5°	9275.7	8508.4	6802.2	5002.1	3299.1	2136.8	1693.3	1579.9	1570.2	1576.7	1579.9
25°	9068.5	8142.5	6109.3	4047.0	2353.7	1628.5	1414.8	1382.5	1411.6	1453.7	1460.2
27.5°	8961.7	7844.7	5432.7	3085.4	1703.0	1324.2	1227.0	1240.0	1291.8	1337.1	1343.6
30°	8990.8	7621.3	4733.4	2237.2	1311.2	1117.0	1084.6	1110.5	1162.3	1204.4	1210.9
32.5°	9198.0	7508.0	4017.9	1628.5	1078.1	974.5	961.6	981.0	1026.3	1058.7	1061.9
35°	9609.2	7533.9	3338.0	1246.5	926.0	867.7	864.4	877.4	900.1	922.7	926.0
37.5°	10214.6	7744.3	2667.8	1036.0	838.5	796.4	783.5	783.5	799.7	809.4	815.9
40°	10865.4	8061.6	2136.8	916.2	777.0	731.7	705.8	696.1	709.0	722.0	725.2
42.5°	11402.8	8378.9	1735.3	832.1	728.5	666.9	634.6	628.1	644.3	666.9	673.4
45°	11814.0	8624.9	1447.2	764.1	673.4	605.4	569.8	569.8	599.0	637.8	644.3
47.5°	12189.5	8822.4	1233.5	702.6	621.6	550.4	514.8	521.3	569.8	621.6	631.3
50°	12445.3	8981.1	1074.9	647.5	579.5	505.1	472.7	485.6	543.9	605.4	615.1
52.5°	12720.5	9175.3	971.3	599.0	540.7	469.5	440.3	450.0	514.8	582.8	595.7
55°	13481.3	9826.1	968.0	534.2	472.7	420.9	407.9	411.2	475.9	553.6	569.8
57.5°	14103.0	10399.1	1032.8	450.0	395.0	369.1	362.6	365.8	424.1	511.5	531.0
60°	11668.3	8081.0	854.7	372.3	330.2	323.8	314.0	320.5	375.6	453.3	469.5
62.5°	6905.8	4620.0	407.9	284.9	281.7	275.2	265.5	278.4	330.2	398.2	407.9
65°	2360.2	1369.5	259.0	233.1	239.6	229.9	220.2	233.1	278.4	317.3	320.5
67.5°	453.3	362.6	207.2	194.3	197.5	178.1	174.8	187.8	213.7	220.2	216.9
70°	236.3	210.4	158.6	158.6	152.2	126.3	126.3	139.2	139.2	129.5	126.3
72.5°	123.0	116.6	103.6	116.6	97.1	77.7	77.7	84.2	77.7	64.8	64.8
75°	48.6	48.6	45.3	58.3	42.1	35.6	32.4	38.9	29.1	22.7	22.7
77.5°	13.0	13.0	13.0	16.2	9.7	9.7	6.5	6.5	3.2	0.0	0.0
80°	0.0	3.2	0.0	3.2	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)