

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: P641848

Luminaire Tested: GWS-SA6B-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641848  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-T2R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

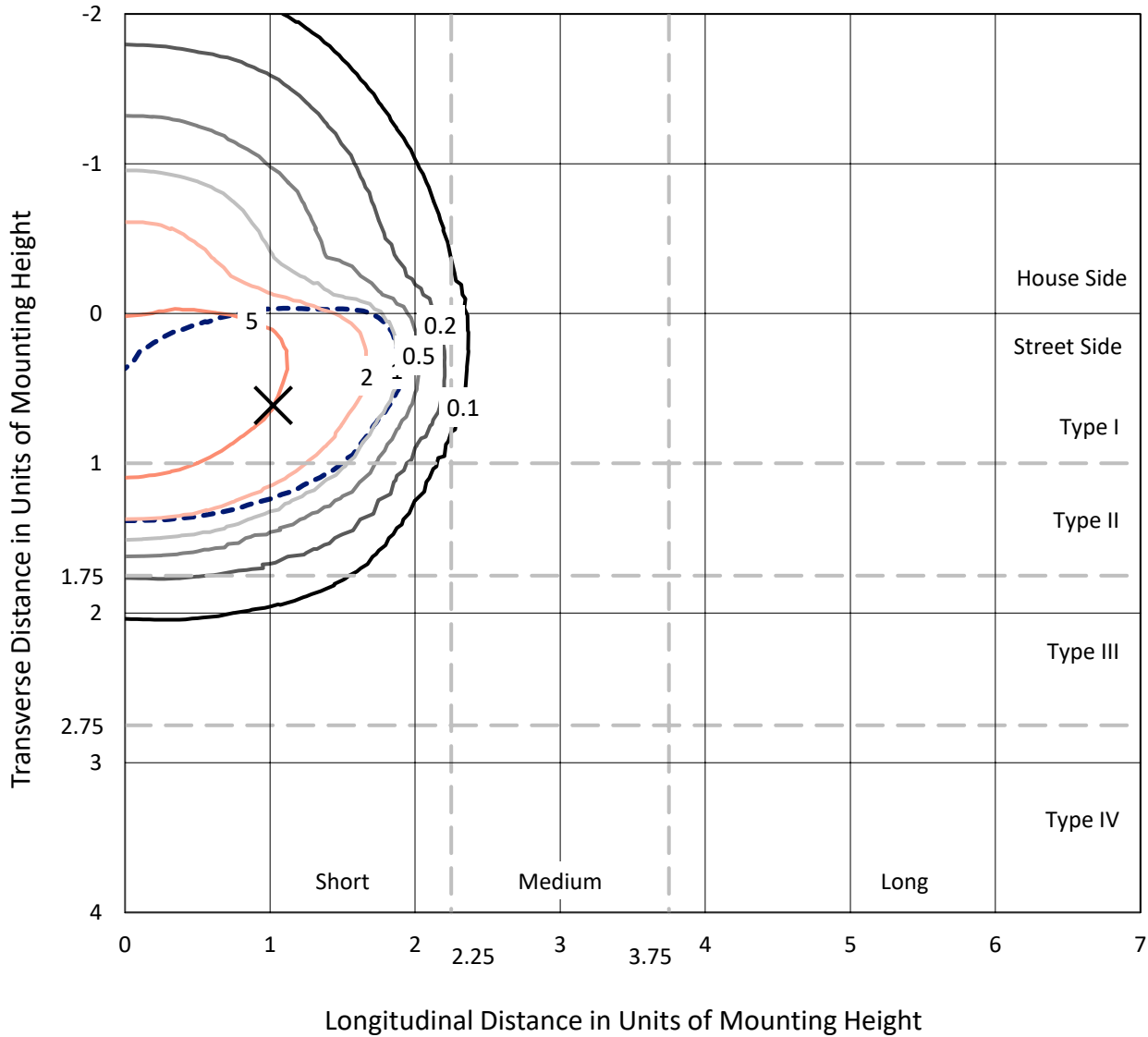
Lumens per Lamp: N/A  
Luminaire Lumens: 18799.8 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

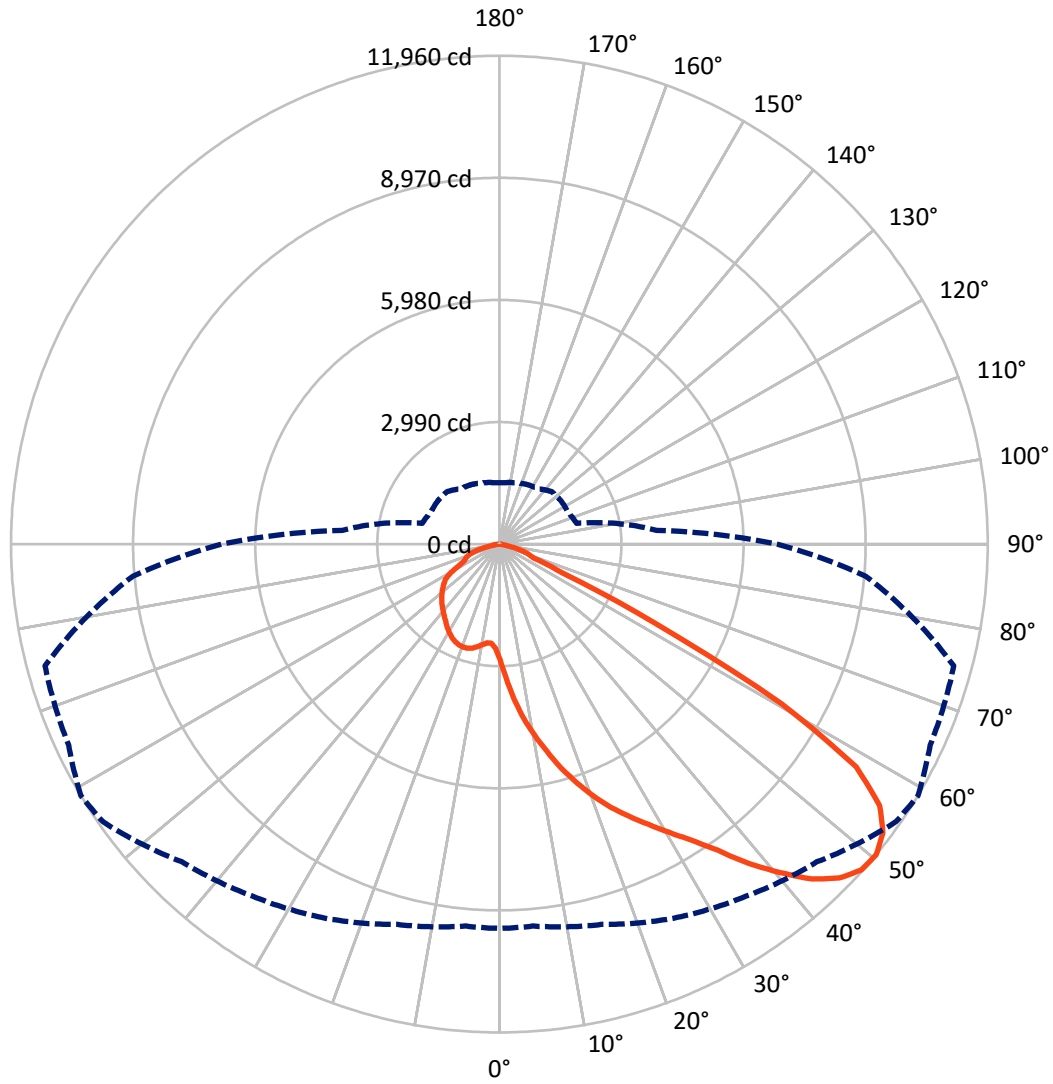
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4324.3	0.0	4324.3
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	14475.5	0.0	14475.5
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	18799.8	0.0	18799.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.5	1.7
10°-20°	1160.0	6.2
20°-30°	2196.5	11.7
30°-40°	3642.5	19.4
40°-50°	4975.8	26.5
50°-60°	4516.7	24.0
60°-70°	1504.1	8.0
70°-80°	438.7	2.3
80°-90°	46.1	0.2
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°	18799.8	100.0
0°-180°	18799.8	100.0

**Coefficient of Utilization**



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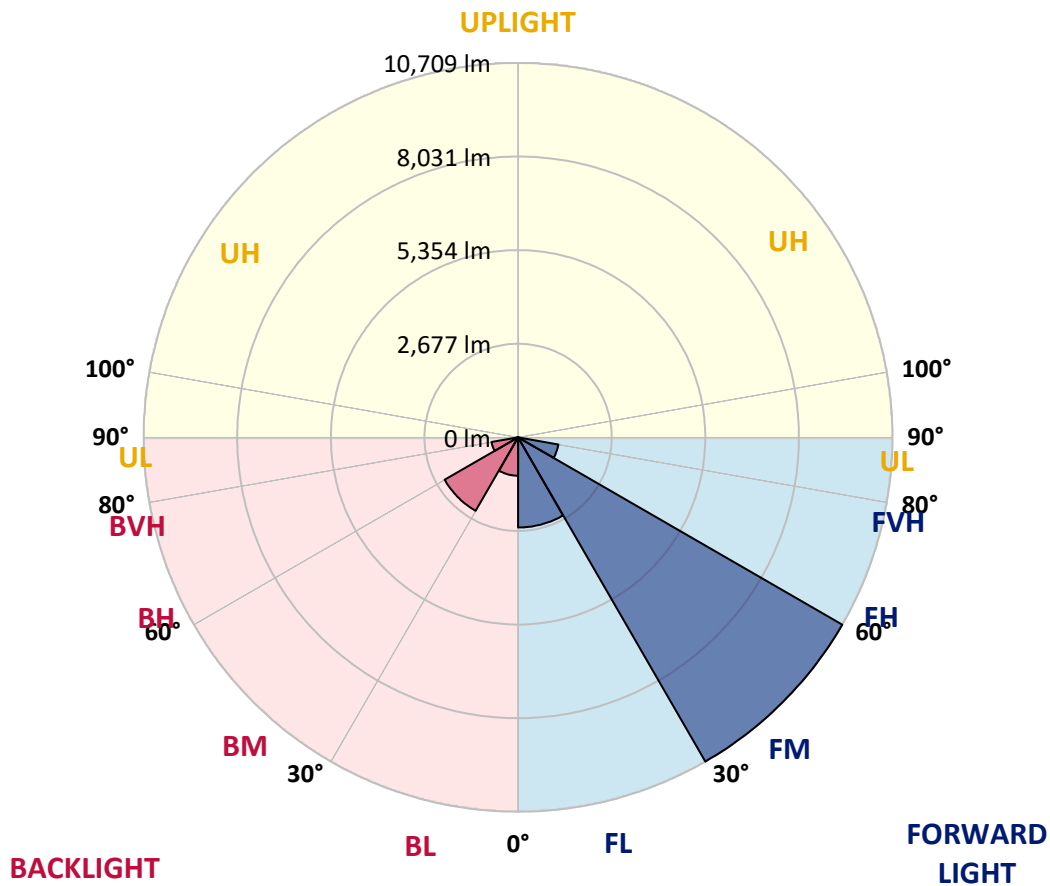
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2577.9	13.7			
FM (30°-60°)	10708.6	57.0			
FH (60°-80°)	1171.0	6.2			G1/1800
FVH (80°-90°)	18.0	0.1			G1/100
BL (0°-30°)	1098.0	5.8	B3/2500		
BM (30°-60°)	2426.4	12.9	B2/2500		
BH (60°-80°)	771.8	4.1	B2/1000		G2/1000
BVH (80°-90°)	28.1	0.1			G1/100
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°	55°	59°	65°	75°	85°
0°	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3
2.5°	3690.5	3718.1	3675.2	3678.3	3571.1	3522.1	3384.3	3303.1	3249.5	3099.4	2963.2
5°	4434.8	4402.6	4368.9	4349.0	4255.6	4123.9	3952.4	3816.1	3690.5	3396.5	3113.2
7.5°	4891.1	4874.3	4851.3	4839.1	4747.2	4609.3	4437.8	4321.5	4139.2	3741.1	3295.5
10°	5278.5	5258.6	5244.9	5254.0	5179.0	5090.2	4903.4	4770.1	4564.9	4105.5	3516.0
12.5°	5578.7	5589.4	5594.0	5643.0	5610.8	5557.3	5364.3	5223.4	4995.2	4489.9	3774.8
15°	5816.1	5813.0	5866.6	5960.0	6012.1	5978.4	5823.7	5705.8	5427.1	4868.1	4053.5
17.5°	5871.2	5874.2	5958.5	6122.3	6292.3	6375.0	6287.7	6146.8	5871.2	5241.8	4342.9
20°	5915.6	5921.7	6009.0	6195.8	6443.9	6675.1	6688.9	6587.8	6350.5	5646.1	4636.9
22.5°	6195.8	6209.6	6232.6	6350.5	6574.1	6866.6	7027.3	7005.9	6806.8	6070.3	4953.9
25°	6932.4	6891.1	6779.3	6745.6	6831.3	7068.7	7342.8	7384.1	7286.1	6537.3	5295.4
27.5°	7842.0	7797.6	7632.2	7457.7	7272.4	7355.1	7647.5	7771.6	7773.1	7051.8	5638.4
30°	8667.4	8632.2	8497.4	8247.8	7927.8	7808.3	8024.3	8191.2	8290.7	7646.0	6028.9
32.5°	9373.4	9341.2	9159.0	8955.3	8642.9	8402.5	8480.6	8641.4	8874.1	8414.7	6514.3
35°	9967.5	9935.4	9760.8	9555.6	9266.2	9122.2	9094.7	9204.9	9506.6	9217.2	7071.8
37.5°	10449.9	10417.7	10235.5	10042.6	9822.1	9831.2	9872.6	9926.2	10099.2	10076.3	7667.4
40°	10762.3	10728.6	10598.4	10460.6	10321.3	10431.5	10636.7	10572.4	10664.3	10770.0	8215.7
42.5°	10901.6	10858.8	10783.7	10753.1	10710.2	10881.7	11276.8	11212.5	11102.3	11232.4	8623.0
45°	10762.3	10725.5	10724.0	10817.4	10917.0	11137.5	11719.4	11667.3	11388.6	11456.0	8866.5
47.5°	10335.1	10302.9	10390.2	10635.2	10880.2	11201.8	11916.9	11926.1	11592.3	11549.4	9024.2
50°	9411.6	9390.2	9642.9	10106.9	10529.5	11001.2	11854.1	11959.8	11641.3	11520.3	9004.3
52.5°	7534.2	7633.8	8183.5	8958.4	9779.2	10649.0	11621.4	11759.2	11405.5	11328.9	8897.1
55°	5157.6	5203.5	5753.3	6884.9	8186.6	9886.4	11086.9	11299.8	11126.8	11296.7	9008.9
57.5°	2670.7	2707.4	3140.8	4145.4	5552.7	7812.9	9603.1	10301.4	10564.8	11459.1	9356.5
60°	1096.4	1127.1	1306.2	1791.7	2800.8	4549.6	6911.0	7946.2	8564.8	10465.2	8309.1
62.5°	796.3	811.6	897.4	1068.9	1467.0	2229.6	3911.1	4292.4	4727.3	6558.8	5275.5
65°	670.7	687.6	756.5	860.6	1070.4	1367.5	1670.7	1679.9	1851.4	2672.2	1955.5
67.5°	562.0	577.3	638.6	727.4	865.2	970.9	897.4	898.9	895.8	969.3	937.2
70°	438.0	450.2	511.5	606.4	678.4	623.3	701.4	776.4	744.2	773.3	817.7
72.5°	320.1	333.8	387.4	459.4	441.0	444.1	568.1	644.7	626.3	658.5	699.8
75°	231.2	240.4	268.0	229.7	242.0	292.5	399.7	441.0	459.4	487.0	523.7
77.5°	75.0	75.0	84.2	105.7	131.7	162.3	203.7	220.5	248.1	278.7	304.7
80°	38.3	39.8	47.5	58.2	73.5	93.4	119.4	127.1	140.9	157.7	168.4
82.5°	18.4	19.9	23.0	29.1	38.3	49.0	65.8	73.5	82.7	93.4	101.1
85°	4.6	4.6	6.1	9.2	12.3	18.4	24.5	29.1	36.8	44.4	49.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	4.6	6.1	7.7	9.2	12.3
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°	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3	2848.3
2.5°	2901.9	2816.1	2705.9	2612.5	2526.7	2460.9	2404.2	2376.6	2350.6	2332.2	2338.4
5°	2981.5	2834.5	2629.3	2486.9	2399.6	2355.2	2324.6	2309.3	2306.2	2294.0	2289.4
7.5°	3097.9	2888.1	2614.0	2470.1	2411.9	2388.9	2372.1	2362.9	2367.5	2355.2	2350.6
10°	3241.9	2976.9	2652.3	2525.2	2474.7	2457.8	2439.4	2427.2	2421.1	2402.7	2399.6
12.5°	3421.0	3087.2	2721.2	2595.6	2545.1	2516.0	2491.5	2470.1	2456.3	2433.3	2427.2
15°	3614.0	3209.7	2802.4	2664.5	2604.8	2561.9	2522.1	2490.0	2465.5	2434.8	2430.2
17.5°	3823.8	3338.3	2869.7	2712.0	2635.4	2578.8	2520.6	2473.1	2439.4	2399.6	2395.0
20°	4042.8	3468.5	2920.3	2735.0	2637.0	2560.4	2482.3	2419.5	2376.6	2336.8	2333.8
22.5°	4269.4	3587.9	2950.9	2728.9	2612.5	2517.5	2424.1	2353.7	2303.1	2255.7	2252.6
25°	4497.6	3702.8	2958.6	2704.4	2563.5	2453.2	2359.8	2277.1	2220.5	2166.9	2160.7
27.5°	4728.8	3799.3	2940.2	2655.4	2497.6	2378.2	2284.8	2203.6	2145.4	2091.8	2082.6
30°	4975.3	3882.0	2900.4	2591.0	2421.1	2298.5	2206.7	2145.4	2090.3	2036.7	2027.5
32.5°	5238.7	3953.9	2843.7	2512.9	2332.2	2218.9	2151.5	2096.4	2041.3	1993.8	1984.6
35°	5552.7	4001.4	2759.5	2411.9	2249.5	2160.7	2114.8	2050.5	1983.1	1931.0	1926.4
37.5°	5877.3	4038.2	2658.4	2315.4	2177.6	2127.0	2088.8	2001.5	1917.2	1854.5	1846.8
40°	6191.2	4068.8	2532.8	2225.0	2111.7	2102.5	2050.5	1941.7	1796.3	1725.8	1719.7
42.5°	6483.7	4078.0	2401.1	2128.6	2052.0	2047.4	1989.2	1820.8	1709.0	1664.6	1658.4
45°	6684.3	4070.3	2264.9	2038.2	1992.3	1967.8	1906.5	1733.5	1664.6	1624.8	1617.1
47.5°	6832.9	4030.5	2111.7	1943.3	1924.9	1891.2	1759.5	1678.4	1614.0	1574.2	1566.6
50°	6806.8	3865.1	1957.1	1851.4	1843.7	1814.6	1652.3	1609.4	1552.8	1509.9	1503.8
52.5°	6672.1	3551.2	1799.3	1750.3	1765.6	1709.0	1575.8	1526.8	1477.7	1428.7	1418.0
55°	6705.8	3324.6	1679.9	1652.3	1679.9	1551.3	1490.0	1437.9	1392.0	1344.5	1335.3
57.5°	6852.8	3101.0	1552.8	1546.7	1575.8	1430.3	1379.7	1313.9	1248.0	1209.8	1209.8
60°	5754.8	2260.3	1329.2	1344.5	1410.4	1332.3	1287.9	1220.5	1148.5	1114.8	1114.8
62.5°	3402.6	1418.0	1102.6	1085.7	1127.1	1176.1	1200.6	1145.4	1059.7	1015.3	1016.8
65°	1499.2	1032.1	972.4	958.6	946.4	980.1	1047.4	1052.0	961.7	909.6	911.2
67.5°	923.4	934.1	909.6	898.9	888.2	882.1	875.9	879.0	854.5	807.0	805.5
70°	833.1	862.1	845.3	836.1	822.3	811.6	774.9	715.1	673.8	661.5	675.3
72.5°	716.7	756.5	747.3	742.7	725.9	699.8	650.8	592.6	543.6	513.0	519.1
75°	540.6	572.7	577.3	578.8	560.5	536.0	485.4	436.4	393.6	361.4	369.1
77.5°	310.9	329.2	333.8	338.4	324.6	315.5	281.8	246.5	223.6	189.9	199.1
80°	173.0	180.7	180.7	182.2	174.6	163.9	140.9	121.0	110.3	94.9	96.5
82.5°	104.1	107.2	108.7	110.3	105.7	94.9	78.1	64.3	58.2	50.5	49.0
85°	50.5	53.6	53.6	55.1	47.5	41.3	32.2	24.5	21.4	15.3	16.8
87.5°	12.3	13.8	13.8	12.3	10.7	7.7	4.6	1.5	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)