

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: P641801

Luminaire Tested: GWS-SA6B-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641801  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

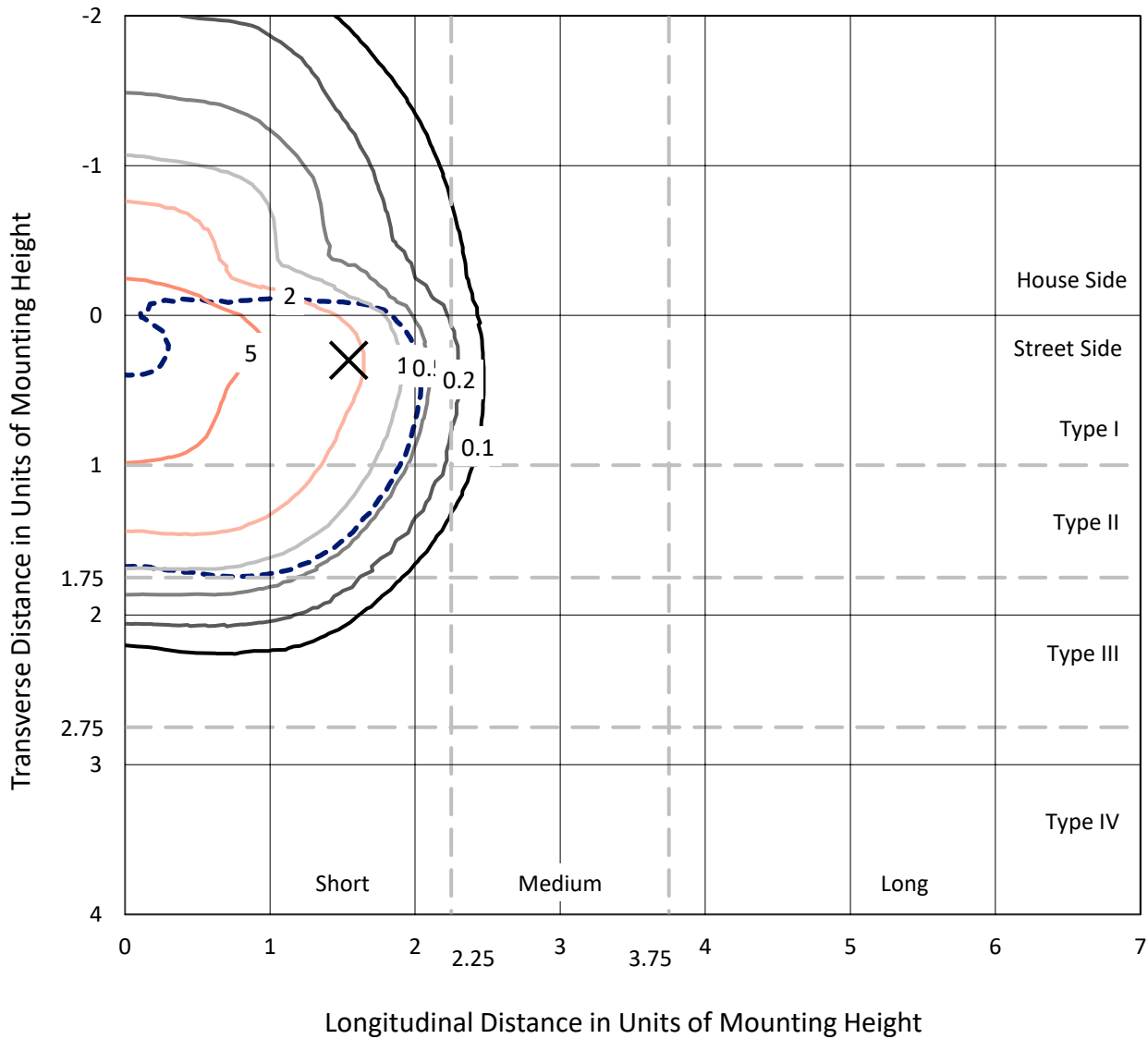
Lumens per Lamp: N/A  
Luminaire Lumens: 18988.1 lumens  
Efficiency: N/A  
Efficacy: 136.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

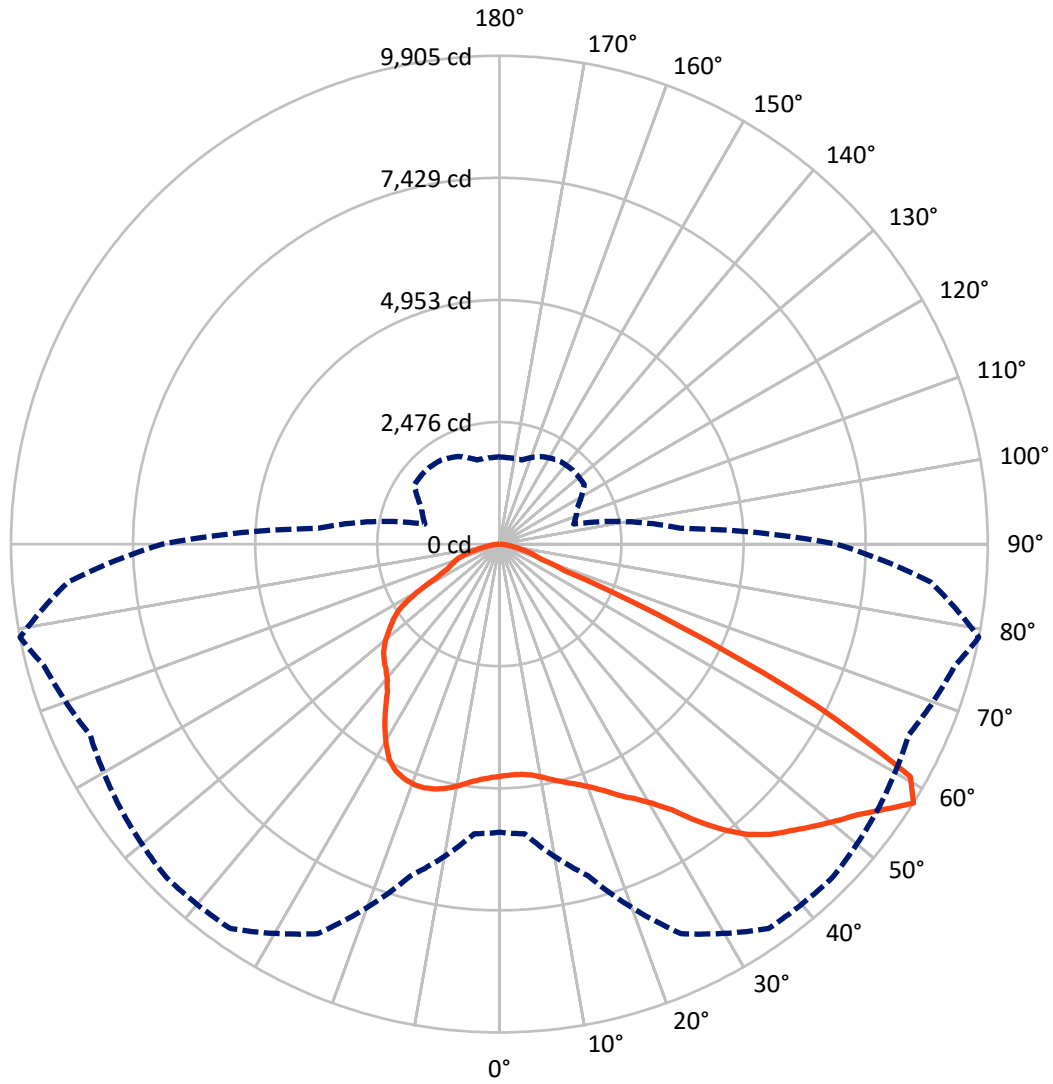
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5644.3	0.0	5644.3
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	13343.8	0.0	13343.8
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	18988.1	0.0	18988.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.8	2.3
10°-20°	1211.1	6.4
20°-30°	2052.8	10.8
30°-40°	3142.1	16.5
40°-50°	4189.6	22.1
50°-60°	4838.7	25.5
60°-70°	2514.4	13.2
70°-80°	534.5	2.8
80°-90°	69.2	0.4
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°	18988.1	100.0
0°-180°	18988.1	100.0

**Coefficient of Utilization**



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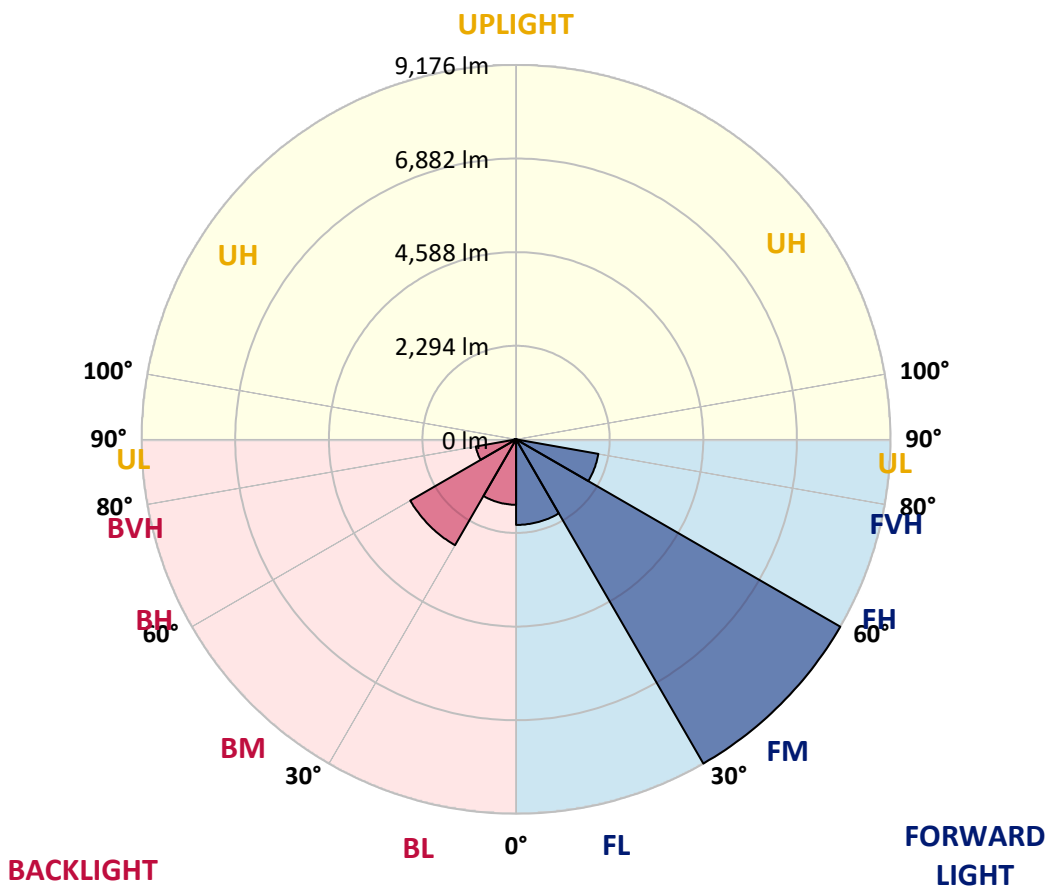
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.7	11.0			
FM (30°-60°)	9175.6	48.3			
FH (60°-80°)	2047.4	10.8			G2/5000
FVH (80°-90°)	24.1	0.1			G1/100
BL (0°-30°)	1602.9	8.4	B3/2500		
BM (30°-60°)	2994.8	15.8	B3/5000		
BH (60°-80°)	1001.5	5.3	B3/2500		G3/2500
BVH (80°-90°)	45.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7
2.5°	4491.4	4482.1	4485.2	4497.7	4544.2	4578.4	4614.1	4646.7	4677.7	4687.1	4694.8
5°	4331.5	4314.5	4319.1	4339.3	4393.6	4451.1	4514.7	4592.4	4666.9	4691.7	4724.3
7.5°	4218.2	4215.1	4222.9	4253.9	4311.3	4365.7	4448.0	4558.2	4687.1	4729.0	4786.4
10°	4067.6	4061.4	4092.4	4156.1	4250.8	4337.7	4435.6	4566.0	4746.1	4808.2	4896.7
12.5°	3948.1	3945.0	3977.6	4066.1	4187.1	4325.3	4460.4	4606.3	4825.2	4910.6	5019.3
15°	4017.9	4004.0	4005.5	4067.6	4176.3	4339.3	4522.5	4679.3	4904.4	5013.1	5152.8
17.5°	4221.3	4196.5	4177.8	4188.7	4250.8	4420.0	4617.2	4777.1	4996.0	5123.3	5294.1
20°	4502.3	4488.3	4437.1	4402.9	4416.9	4566.0	4766.2	4915.3	5115.6	5258.4	5441.6
22.5°	4879.6	4845.4	4775.6	4721.2	4679.3	4795.7	4980.5	5109.3	5281.7	5430.7	5621.7
25°	5346.9	5297.2	5187.0	5101.6	5011.5	5131.1	5295.6	5393.5	5509.9	5648.1	5829.7
27.5°	5823.5	5781.6	5658.9	5544.1	5432.3	5506.8	5702.4	5758.3	5745.9	5846.8	6002.0
30°	6331.2	6278.4	6162.0	6037.8	5893.4	5941.5	6116.9	6144.9	6012.9	6096.7	6202.3
32.5°	6866.8	6815.6	6714.7	6570.3	6407.3	6425.9	6474.0	6500.4	6374.6	6422.8	6503.5
35°	7411.7	7363.6	7261.1	7118.3	6998.8	6885.4	6764.3	6869.9	6796.9	6890.1	6883.9
37.5°	7910.1	7862.0	7798.3	7688.1	7483.1	7259.6	6980.1	7110.5	7223.9	7341.9	7321.7
40°	8247.0	8214.4	8229.9	8212.8	7948.9	7506.4	7085.7	7228.5	7537.5	7739.3	7728.4
42.5°	8537.3	8504.7	8594.8	8660.0	8349.5	7734.7	7136.9	7273.6	7737.8	8052.9	8037.4
45°	8666.2	8656.9	8805.9	9012.4	8715.9	7976.9	7268.9	7366.7	7889.9	8293.6	8234.6
47.5°	8512.5	8545.1	8838.5	9187.8	9020.1	8264.1	7539.0	7563.9	8088.6	8554.4	8388.3
50°	8206.6	8278.0	8673.9	9192.5	9242.2	8588.5	7913.2	7851.1	8355.7	8832.3	8469.0
52.5°	7761.1	7835.6	8481.4	9156.8	9369.5	8964.3	8411.6	8323.1	8692.6	9110.2	8483.0
55°	6737.9	6838.9	8040.5	9076.0	9493.7	9305.8	8973.6	8793.5	9127.3	9492.1	8621.1
57.5°	5845.2	5898.0	6966.2	8717.4	9518.5	9557.3	9374.1	9159.9	9558.9	9905.1	8776.4
60°	4289.6	4302.0	5263.0	7213.0	8756.2	9411.4	9341.5	9023.3	9353.9	9574.4	8065.3
62.5°	2423.5	2425.0	3192.0	4814.4	6540.8	7671.0	7714.5	7433.5	7155.6	7220.8	5613.9
65°	909.8	995.2	1457.8	2366.0	3771.1	4528.7	4708.8	4774.0	4311.3	4024.1	3010.3
67.5°	608.6	628.8	850.8	1217.2	1678.3	1937.5	2167.3	2173.5	1589.8	1417.5	1186.1
70°	464.2	484.4	669.1	871.0	850.8	785.6	849.2	825.9	853.9	877.2	902.0
72.5°	346.2	366.4	518.5	614.8	510.8	503.0	569.8	633.4	692.4	717.3	756.1
75°	229.8	245.3	349.3	329.1	282.6	333.8	416.1	479.7	513.9	543.4	572.9
77.5°	145.9	156.8	186.3	150.6	156.8	195.6	242.2	299.6	332.2	361.7	377.3
80°	66.8	65.2	63.7	71.4	88.5	114.9	145.9	180.1	204.9	217.4	226.7
82.5°	26.4	29.5	32.6	38.8	48.1	62.1	82.3	105.6	125.8	128.9	136.6
85°	10.9	12.4	14.0	17.1	21.7	27.9	34.2	48.1	60.5	65.2	69.9
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	4.7	7.8	14.0	15.5	17.1
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°	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7	4705.7
2.5°	4736.7	4716.6	4750.7	4774.0	4795.7	4772.4	4764.7	4744.5	4741.4	4741.4	4752.3
5°	4780.2	4766.2	4801.9	4815.9	4814.4	4763.1	4732.1	4691.7	4671.5	4671.5	4674.6
7.5°	4857.8	4850.1	4870.3	4848.5	4798.8	4694.8	4592.4	4507.0	4449.5	4420.0	4429.3
10°	4986.7	4977.4	4960.3	4879.6	4736.7	4520.9	4311.3	4156.1	4062.9	4010.2	4013.3
12.5°	5112.5	5096.9	5036.4	4857.8	4564.4	4221.3	3946.5	3772.6	3670.2	3608.1	3594.1
15°	5250.6	5210.3	5079.8	4746.1	4283.4	3854.9	3567.7	3379.8	3269.6	3232.3	3230.8
17.5°	5382.6	5311.2	5075.2	4547.3	3946.5	3471.4	3182.7	3066.2	3047.6	3064.7	3069.3
20°	5516.1	5401.2	5024.0	4272.5	3546.0	3089.5	2940.5	2988.6	3058.5	3105.0	3115.9
22.5°	5654.3	5475.7	4907.5	3918.6	3123.7	2831.8	2893.9	2999.5	3086.4	3148.5	3154.7
25°	5809.5	5545.6	4733.6	3485.4	2785.2	2760.4	2883.0	2994.8	3088.0	3159.4	3171.8
27.5°	5898.0	5547.2	4489.9	3039.8	2630.0	2732.4	2856.6	2962.2	3055.4	3133.0	3147.0
30°	5985.0	5505.2	4103.3	2678.1	2584.9	2699.8	2811.6	2909.4	2997.9	3074.0	3091.1
32.5°	6107.6	5466.4	3657.7	2470.1	2558.6	2668.8	2760.4	2847.3	2915.6	2949.8	2959.1
35°	6259.8	5416.7	3184.2	2380.0	2541.5	2643.9	2724.7	2771.2	2682.8	2664.1	2684.3
37.5°	6472.5	5370.2	2712.3	2341.2	2530.6	2634.6	2706.0	2586.5	2477.8	2434.4	2449.9
40°	6702.2	5343.8	2392.4	2310.2	2535.3	2643.9	2628.4	2451.4	2294.6	2203.0	2199.9
42.5°	6897.8	5303.4	2187.5	2290.0	2547.7	2679.7	2522.8	2331.9	2099.0	2044.7	2046.2
45°	7029.8	5200.9	2078.8	2268.2	2558.6	2687.4	2473.2	2167.3	2001.2	1967.0	1965.5
47.5°	7084.2	5014.6	2009.0	2234.1	2557.0	2623.8	2372.3	2099.0	1932.9	1923.6	1929.8
50°	7048.4	4708.8	1937.5	2167.3	2519.7	2557.0	2255.8	2038.5	1886.3	1937.5	1974.8
52.5°	6916.5	4312.9	1852.2	2075.7	2453.0	2480.9	2196.8	2001.2	1852.2	1920.5	1950.0
55°	6882.3	3991.5	1743.5	1956.2	2353.6	2345.9	2134.7	1982.6	1828.9	1802.5	1807.1
57.5°	6837.3	3677.9	1563.4	1741.9	2102.1	2114.5	2075.7	1960.8	1768.3	1760.6	1768.3
60°	5939.9	2819.4	1394.2	1502.8	1726.4	1793.2	2009.0	1920.5	1670.5	1637.9	1636.4
62.5°	3879.7	1707.8	1240.5	1310.3	1406.6	1484.2	1832.0	1804.0	1563.4	1543.2	1557.2
65°	2086.6	1217.2	1128.7	1170.6	1223.4	1282.4	1518.4	1606.9	1412.8	1341.4	1342.9
67.5°	1066.6	1035.5	1044.8	1074.3	1114.7	1144.2	1224.9	1302.6	1204.8	1144.2	1142.7
70°	912.9	937.7	951.7	968.8	995.2	990.5	998.3	1012.2	1004.5	975.0	973.4
72.5°	777.8	816.6	819.7	822.8	832.2	810.4	796.4	773.2	774.7	779.4	780.9
75°	591.5	628.8	638.1	633.4	642.7	614.8	596.2	572.9	544.9	540.3	543.4
77.5°	385.0	414.5	428.5	425.4	430.0	408.3	399.0	374.2	341.6	329.1	329.1
80°	232.9	250.0	260.8	263.9	268.6	253.1	237.5	215.8	201.8	187.9	187.9
82.5°	141.3	152.1	159.9	159.9	164.6	147.5	135.1	119.5	113.3	100.9	100.9
85°	71.4	79.2	82.3	80.7	77.6	63.7	59.0	51.2	48.1	41.9	41.9
87.5°	17.1	21.7	21.7	15.5	15.5	7.8	4.7	1.6	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)