

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: P641660

Luminaire Tested: GWS-SA6B-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

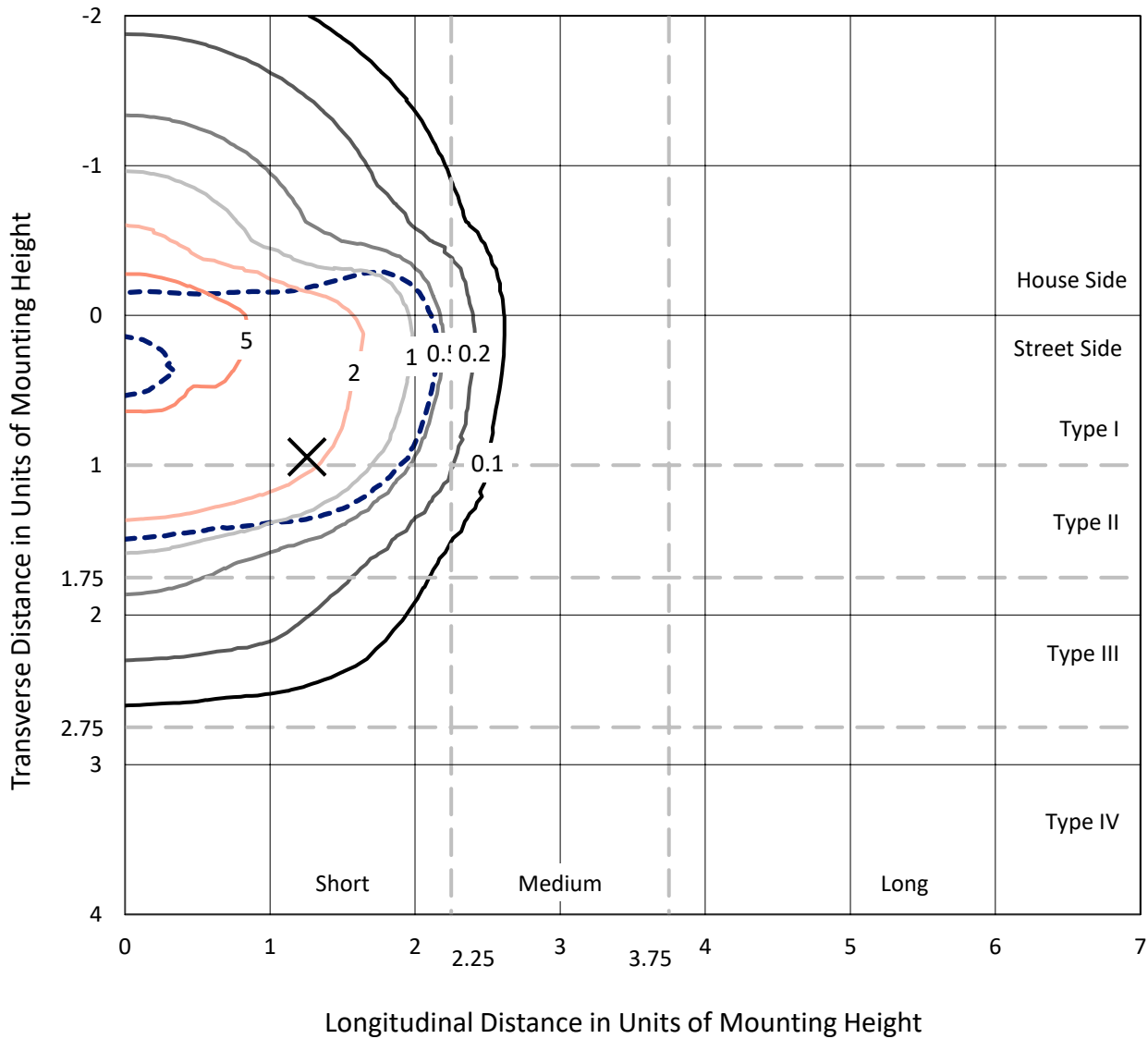
Lumens per Lamp: N/A  
Luminaire Lumens: 17785.8 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

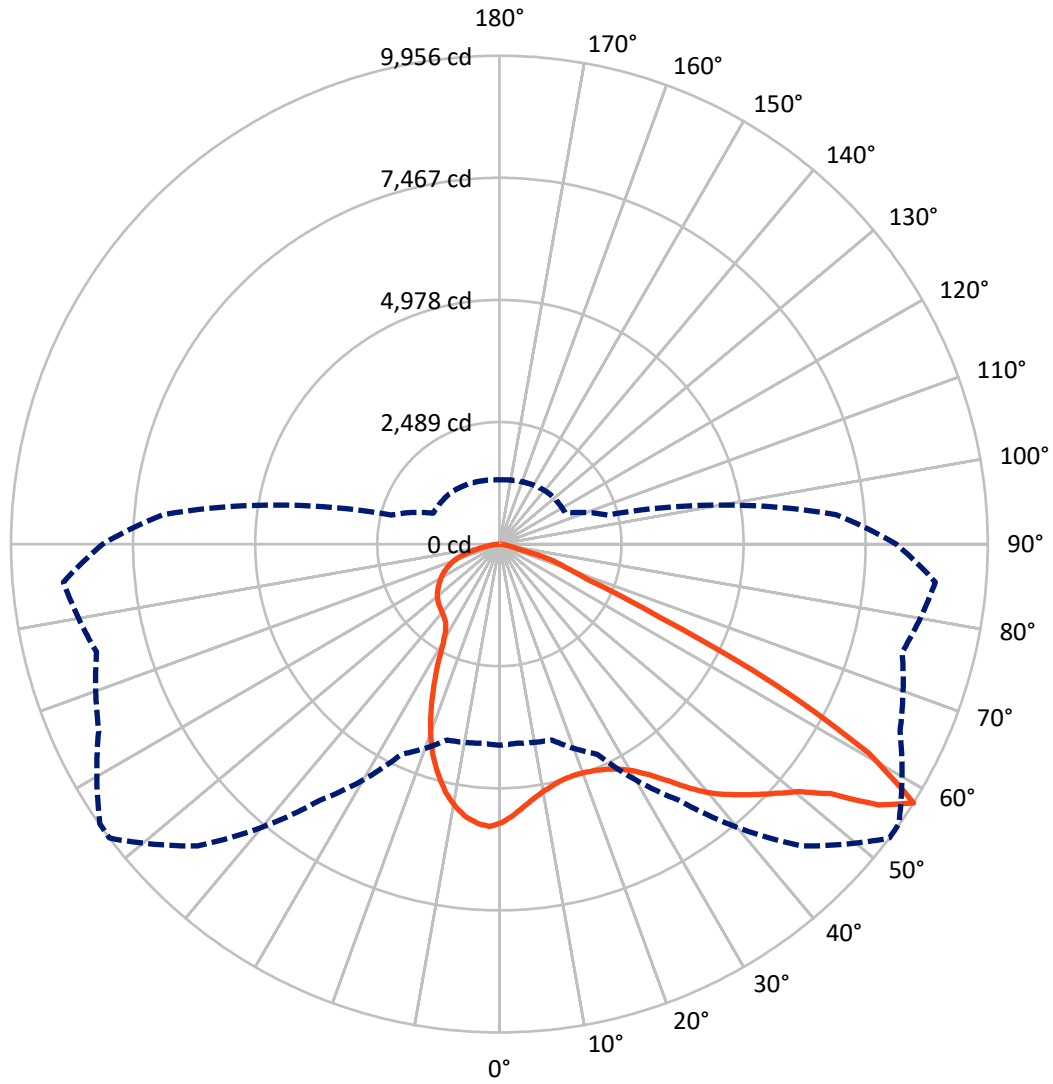
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	5561.0	0.0	5561.0
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	12224.8	0.0	12224.8
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	17785.8	0.0	17785.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	513.6	2.9
10°-20°	1347.4	7.6
20°-30°	1985.3	11.2
30°-40°	2778.8	15.6
40°-50°	3653.0	20.5
50°-60°	4283.1	24.1
60°-70°	2523.2	14.2
70°-80°	627.7	3.5
80°-90°	73.6	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°	17785.8	100.0
0°-180°	17785.8	100.0

**Coefficient of Utilization**



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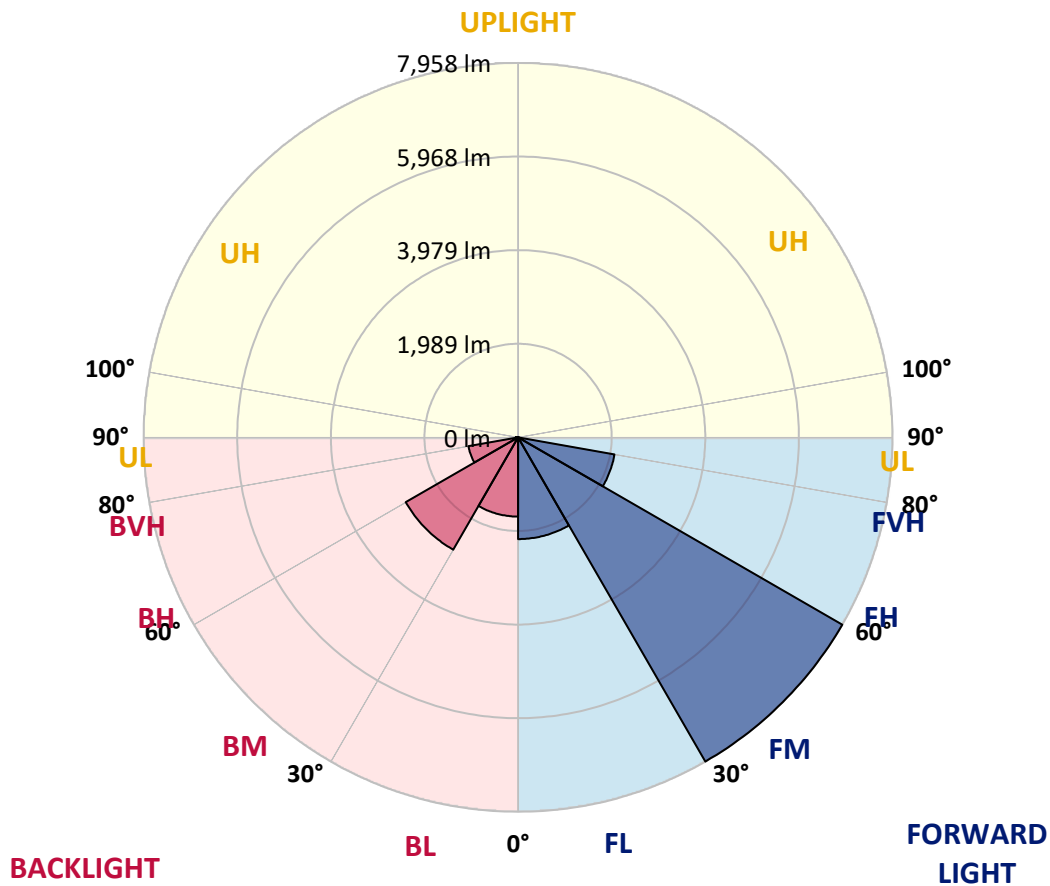
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2162.4	12.2			
FM (30°-60°)	7957.5	44.7			
FH (60°-80°)	2080.3	11.7			G2/5000
FVH (80°-90°)	24.6	0.1			G1/100
BL (0°-30°)	1683.9	9.5	B3/2500		
BM (30°-60°)	2757.4	15.5	B3/5000		
BH (60°-80°)	1070.7	6.0	B3/2500		G3/2500
BVH (80°-90°)	49.0	0.3			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°	53°	55°	65°	75°	85°
0°	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5
2.5°	5353.1	5368.1	5371.1	5417.5	5420.5	5487.9	5532.8	5523.8	5570.2	5627.1	5672.0
5°	5097.2	5098.7	5113.6	5169.0	5199.0	5287.3	5362.1	5362.1	5451.9	5568.7	5669.0
7.5°	4886.1	4884.6	4898.1	4959.4	5008.8	5115.1	5216.9	5228.9	5354.6	5525.3	5688.5
10°	4690.0	4700.5	4715.4	4790.3	4853.2	4984.9	5106.1	5125.6	5284.3	5495.4	5715.4
12.5°	4564.2	4565.7	4588.2	4672.0	4752.9	4893.6	5020.8	5044.8	5227.4	5466.9	5734.9
15°	4483.4	4484.9	4508.9	4601.7	4696.0	4838.2	4968.4	4995.4	5194.5	5462.4	5772.3
17.5°	4447.5	4446.0	4468.4	4561.3	4664.5	4812.7	4952.0	4984.9	5209.4	5496.9	5838.2
20°	4447.5	4449.0	4461.0	4544.8	4649.6	4806.8	4968.4	5008.8	5267.8	5574.7	5940.0
22.5°	4510.4	4516.3	4522.3	4579.2	4661.6	4815.7	5011.8	5065.7	5393.6	5704.9	6073.2
25°	4633.1	4634.6	4640.6	4687.0	4724.4	4841.2	5083.7	5164.5	5589.7	5895.0	6240.8
27.5°	4797.8	4818.7	4824.7	4854.7	4854.7	4904.1	5196.0	5312.7	5854.6	6169.0	6454.9
30°	5028.3	5035.8	5046.3	5079.2	5043.3	5022.3	5360.6	5510.3	6161.5	6499.8	6712.4
32.5°	5230.4	5246.9	5303.7	5357.6	5293.3	5227.4	5603.1	5779.8	6456.4	6844.1	6986.3
35°	5402.5	5443.0	5552.2	5672.0	5627.1	5561.2	5925.0	6109.1	6698.9	7091.1	7228.8
37.5°	5610.6	5642.1	5791.8	5986.4	6026.8	5995.3	6317.2	6448.9	6860.6	7154.0	7360.6
40°	5821.7	5869.6	6062.7	6332.2	6486.4	6508.8	6679.5	6767.8	6916.0	7031.2	7335.1
42.5°	6037.3	6119.6	6384.6	6698.9	6972.9	7023.8	6984.8	7022.3	6898.0	6862.1	7216.9
45°	6300.7	6398.0	6697.4	7098.6	7459.4	7538.7	7284.2	7249.8	6895.0	6797.7	7143.5
47.5°	6612.1	6709.4	6995.3	7462.4	7923.4	7981.8	7591.1	7528.2	6999.8	6896.5	7242.3
50°	6887.5	6954.9	7210.9	7733.3	8356.1	8390.5	7929.4	7853.1	7260.3	7170.5	7550.7
52.5°	6607.6	6600.1	6869.6	7513.3	8580.6	8995.3	8450.4	8377.0	7763.3	7625.5	8028.2
55°	5606.1	5520.8	5761.8	6395.0	7953.4	9532.7	9384.5	9237.8	8433.9	8083.6	8475.8
57.5°	4098.7	4074.7	4133.1	4727.4	6371.1	8700.4	9956.3	9942.8	9013.2	8502.8	8921.9
60°	3205.0	3169.1	3013.4	3029.9	4342.7	6796.2	8640.5	9037.2	9372.5	8754.3	9233.3
62.5°	2845.7	2818.8	2737.9	2514.9	2586.8	4556.8	6333.7	6697.4	8189.9	7731.8	7930.9
65°	2356.2	2348.7	2416.1	2407.1	2167.6	2516.4	3574.8	3941.5	5149.6	5213.9	5149.6
67.5°	1712.5	1699.1	1869.7	2206.5	2086.8	1899.6	1992.5	2119.7	2640.6	2371.2	2134.7
70°	1113.7	1094.3	1193.1	1594.3	1868.2	1655.6	1435.6	1414.6	1452.1	902.7	976.0
72.5°	747.0	724.5	723.0	877.2	1128.7	1115.2	1112.2	1101.8	983.5	712.6	790.4
75°	416.2	398.2	393.7	378.7	404.2	411.7	438.6	453.6	491.0	540.4	598.8
77.5°	70.4	68.9	86.8	110.8	152.7	196.1	242.5	256.0	315.9	374.2	411.7
80°	38.9	40.4	52.4	64.4	85.3	116.8	149.7	158.7	194.6	226.0	256.0
82.5°	21.0	21.0	26.9	34.4	46.4	61.4	80.8	88.3	112.3	131.7	152.7
85°	7.5	7.5	10.5	13.5	19.5	25.4	31.4	35.9	49.4	67.4	76.3
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.0	6.0	7.5	13.5	19.5
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°	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5
2.5°	5709.4	5669.0	5724.4	5749.8	5758.8	5764.8	5725.9	5698.9	5690.0	5661.5	5645.1
5°	5730.4	5703.4	5755.8	5755.8	5718.4	5679.5	5600.1	5544.8	5505.8	5459.4	5451.9
7.5°	5766.3	5746.8	5775.3	5716.9	5622.6	5517.8	5380.1	5272.3	5185.5	5128.6	5130.1
10°	5814.2	5790.3	5767.8	5637.6	5465.4	5272.3	5061.2	4904.1	4760.3	4694.5	4658.6
12.5°	5845.6	5811.2	5716.9	5501.3	5248.4	4989.4	4691.5	4458.0	4249.9	4155.6	4148.1
15°	5884.6	5821.7	5633.1	5324.7	4972.9	4619.6	4236.4	3911.6	3630.1	3483.4	3476.0
17.5°	5935.5	5832.2	5532.8	5122.6	4682.5	4161.6	3679.5	3270.9	2971.5	2857.7	2877.2
20°	6007.3	5844.2	5419.0	4898.1	4321.7	3640.6	3040.3	2664.6	2549.3	2541.8	2526.9
22.5°	6088.2	5851.6	5293.3	4646.6	3884.6	3085.2	2511.9	2351.7	2350.2	2387.7	2396.6
25°	6179.5	5857.6	5151.1	4353.2	3411.6	2531.4	2221.5	2173.6	2211.0	2281.4	2290.4
27.5°	6296.2	5869.6	4978.9	4031.3	2908.6	2187.1	2061.3	2049.3	2094.3	2160.1	2157.1
30°	6468.4	5913.0	4796.3	3661.6	2392.2	2023.9	1964.0	1965.5	1983.5	2014.9	2019.4
32.5°	6643.5	5980.4	4618.1	3245.4	2095.8	1931.1	1904.1	1901.1	1901.1	1914.6	1917.6
35°	6809.7	6056.7	4425.0	2811.3	1952.0	1877.2	1859.2	1850.2	1845.8	1842.8	1838.3
37.5°	6902.5	6094.1	4236.4	2383.2	1875.7	1841.3	1823.3	1811.3	1794.9	1782.9	1779.9
40°	6862.1	6050.7	4017.9	2062.8	1829.3	1806.8	1785.9	1769.4	1747.0	1736.5	1730.5
42.5°	6727.4	5916.0	3779.8	1911.6	1791.9	1769.4	1744.0	1717.0	1702.0	1693.1	1691.6
45°	6585.2	5752.8	3492.4	1823.3	1755.9	1729.0	1699.1	1669.1	1652.6	1648.2	1646.7
47.5°	6580.7	5672.0	3187.0	1752.9	1712.5	1685.6	1648.2	1618.2	1600.3	1594.3	1588.3
50°	6778.3	5754.3	2842.7	1691.6	1667.6	1639.2	1597.3	1564.3	1541.9	1534.4	1532.9
52.5°	7188.4	6064.2	2534.4	1630.2	1607.7	1574.8	1540.4	1507.4	1480.5	1467.0	1465.5
55°	7631.5	6457.9	2342.8	1567.3	1537.4	1508.9	1477.5	1441.6	1411.6	1390.7	1387.7
57.5°	8089.6	6887.5	2284.4	1488.0	1465.5	1446.1	1408.6	1369.7	1335.3	1315.8	1311.3
60°	8466.8	7257.3	2393.6	1404.2	1392.2	1366.7	1332.3	1294.9	1270.9	1256.0	1253.0
62.5°	7088.1	5908.5	1932.6	1312.8	1312.8	1285.9	1247.0	1220.0	1203.6	1193.1	1190.1
65°	4498.4	3658.6	1318.8	1221.5	1220.0	1184.1	1151.2	1133.2	1125.7	1109.3	1106.3
67.5°	1959.5	1672.1	1127.2	1128.7	1122.7	1083.8	1050.9	1037.4	1022.4	1004.5	1003.0
70°	1016.4	1035.9	1009.0	1025.4	1014.9	968.5	937.1	916.1	884.7	866.7	868.2
72.5°	820.3	841.3	871.2	896.7	874.2	836.8	787.4	762.0	721.5	702.1	703.6
75°	625.7	648.2	676.6	703.6	685.6	639.2	607.8	582.3	535.9	513.5	518.0
77.5°	431.1	443.1	477.5	476.0	470.0	456.6	410.2	380.2	332.3	305.4	308.4
80°	268.0	275.4	291.9	299.4	296.4	278.4	241.0	218.6	190.1	173.6	175.1
82.5°	161.7	166.2	181.1	182.6	181.1	167.7	139.2	122.8	104.8	95.8	95.8
85°	82.3	85.3	94.3	94.3	85.3	71.9	64.4	56.9	46.4	41.9	41.9
87.5°	22.5	22.5	28.4	24.0	19.5	18.0	9.0	7.5	3.0	1.5	1.5
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)