

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: P641715

Luminaire Tested: GWS-SA6B-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641715  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

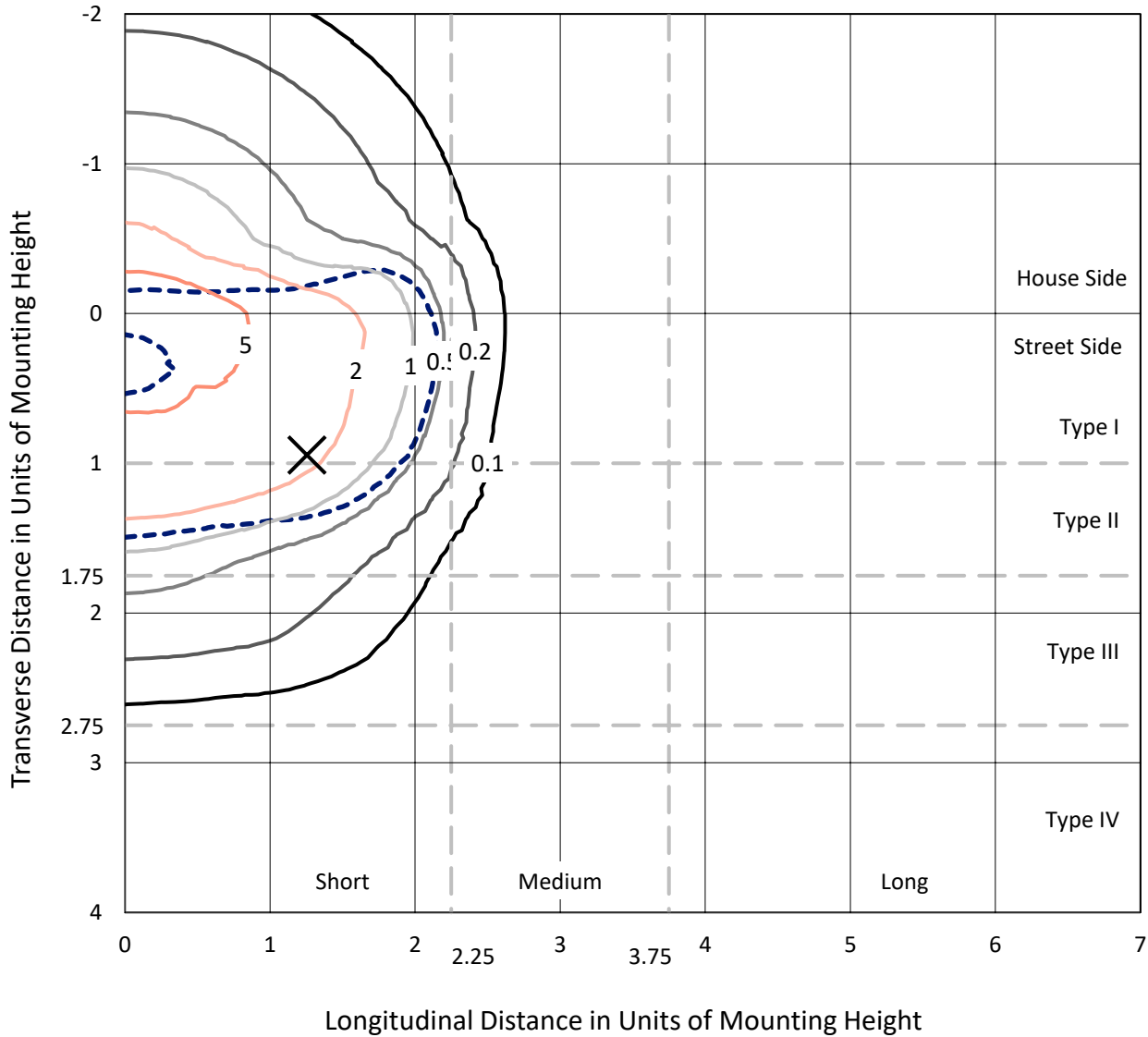
Lumens per Lamp: N/A  
Luminaire Lumens: 18033 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

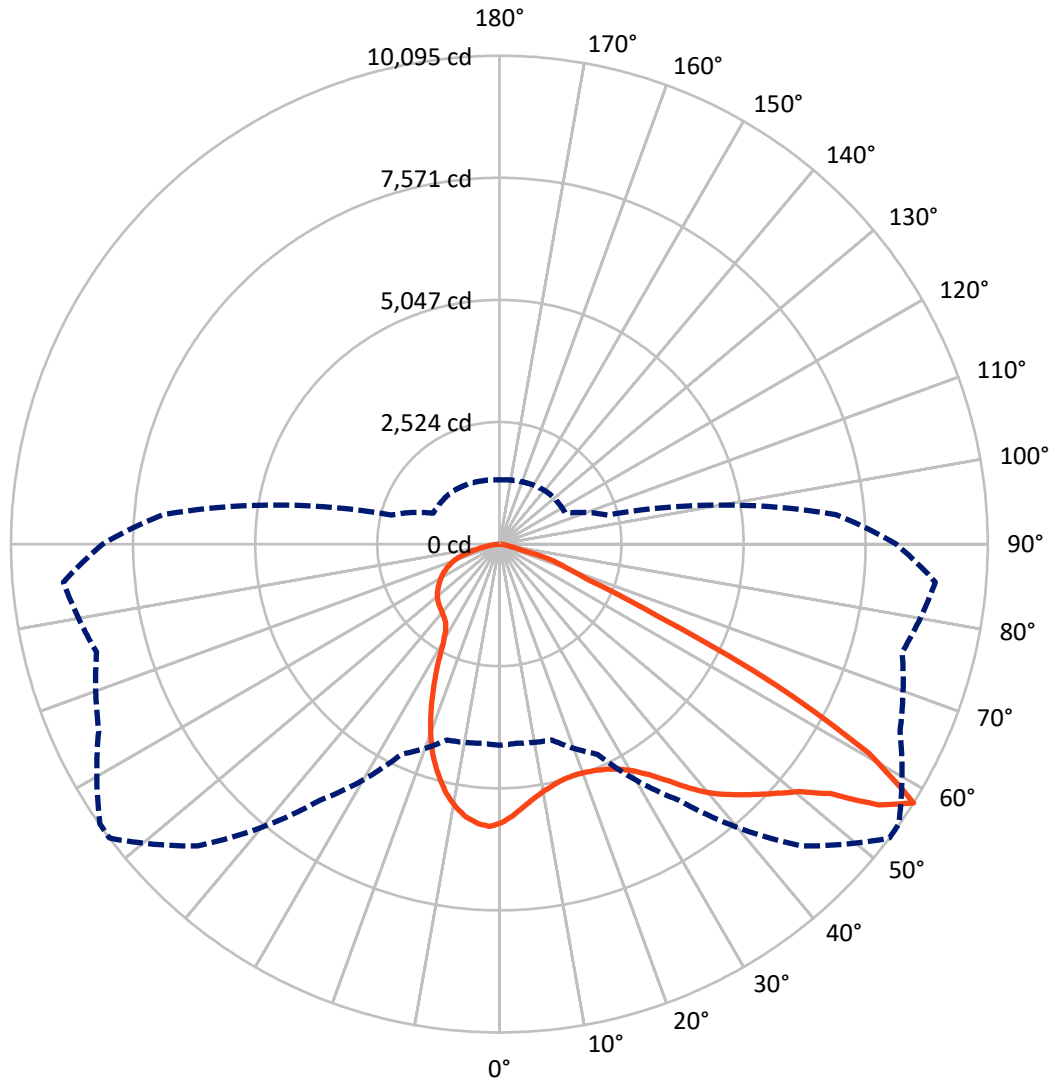
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	5638.3	0.0	5638.3
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	12394.7	0.0	12394.7
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	18033.0	0.0	18033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	520.7	2.9
10°-20°	1366.2	7.6
20°-30°	2012.8	11.2
30°-40°	2817.5	15.6
40°-50°	3703.8	20.5
50°-60°	4342.7	24.1
60°-70°	2558.3	14.2
70°-80°	636.4	3.5
80°-90°	74.7	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°	18033.0	100.0
0°-180°	18033.0	100.0

**Coefficient of Utilization**



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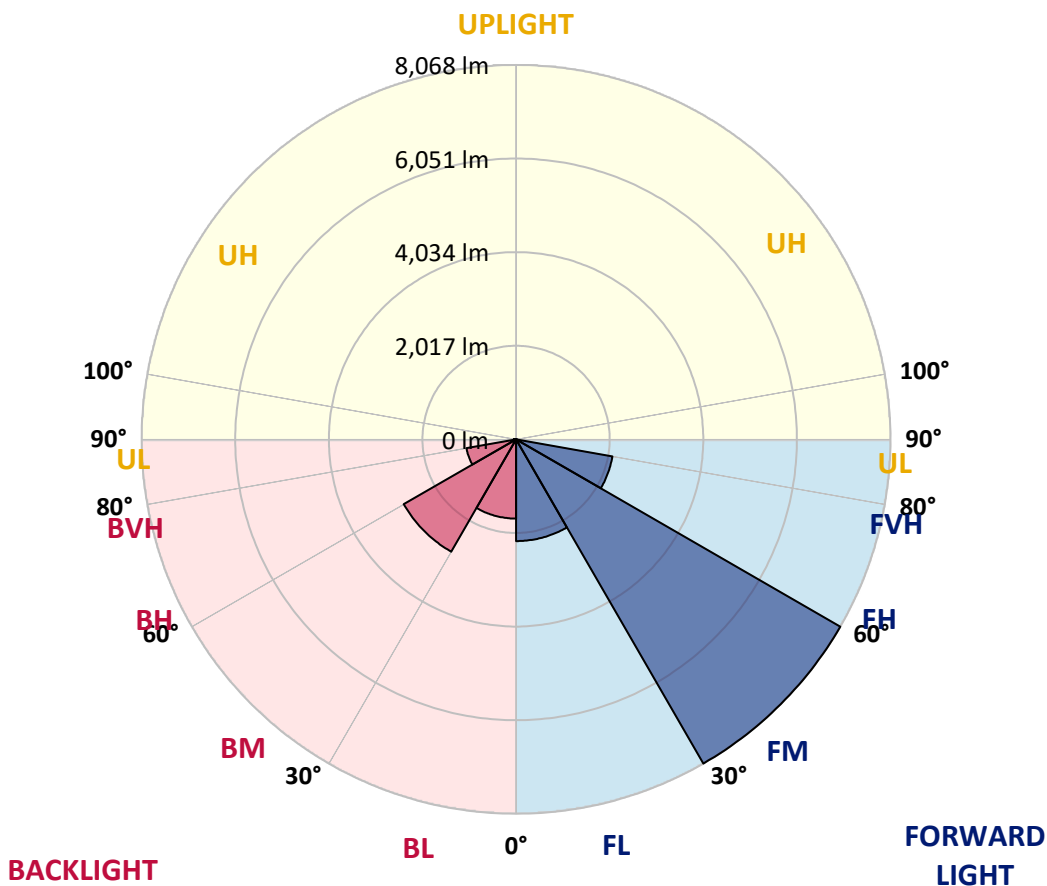
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2192.5	12.2			
FM (30°-60°)	8068.1	44.7			
FH (60°-80°)	2109.2	11.7			G2/5000
FVH (80°-90°)	25.0	0.1			G1/100
BL (0°-30°)	1707.3	9.5	B3/2500		
BM (30°-60°)	2795.7	15.5	B3/5000		
BH (60°-80°)	1085.6	6.0	B3/2500		G3/2500
BVH (80°-90°)	49.7	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°	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4
2.5°	5427.5	5442.7	5445.8	5492.8	5495.8	5564.1	5609.7	5600.6	5647.6	5705.3	5750.8
5°	5168.0	5169.5	5184.7	5240.9	5271.2	5360.8	5436.7	5436.7	5527.7	5646.1	5747.8
7.5°	4954.0	4952.5	4966.1	5028.4	5078.5	5186.2	5289.4	5301.6	5429.1	5602.1	5767.5
10°	4755.2	4765.8	4781.0	4856.9	4920.6	5054.2	5177.1	5196.8	5357.7	5571.7	5794.9
12.5°	4627.7	4629.2	4652.0	4737.0	4818.9	4961.6	5090.6	5114.9	5300.1	5542.9	5814.6
15°	4545.7	4547.2	4571.5	4665.6	4761.2	4905.4	5037.5	5064.8	5266.7	5538.3	5852.5
17.5°	4509.3	4507.8	4530.5	4624.6	4729.4	4879.6	5020.8	5054.2	5281.8	5573.3	5919.3
20°	4509.3	4510.8	4523.0	4608.0	4714.2	4873.6	5037.5	5078.5	5341.0	5652.2	6022.5
22.5°	4573.0	4579.1	4585.2	4642.9	4726.3	4882.7	5081.5	5136.1	5468.5	5784.2	6157.6
25°	4697.5	4699.0	4705.1	4752.1	4790.1	4908.5	5154.4	5236.3	5667.4	5977.0	6327.6
27.5°	4864.5	4885.7	4891.8	4922.1	4922.1	4972.2	5268.2	5386.6	5936.0	6254.7	6544.6
30°	5098.2	5105.8	5116.4	5149.8	5113.4	5092.1	5435.1	5586.9	6247.1	6590.2	6805.7
32.5°	5303.1	5319.8	5377.5	5432.1	5366.8	5300.1	5681.0	5860.1	6546.1	6939.3	7083.4
35°	5477.6	5518.6	5629.4	5750.8	5705.3	5638.5	6007.3	6194.0	6792.0	7189.7	7329.3
37.5°	5688.6	5720.5	5872.3	6069.6	6110.5	6078.7	6405.0	6538.6	6955.9	7253.4	7462.9
40°	5902.6	5951.2	6147.0	6420.2	6576.5	6599.3	6772.3	6861.8	7012.1	7129.0	7437.1
42.5°	6121.2	6204.6	6473.3	6792.0	7069.8	7121.4	7081.9	7119.9	6993.9	6957.5	7317.2
45°	6388.3	6487.0	6790.5	7197.3	7563.1	7643.5	7385.5	7350.6	6990.9	6892.2	7242.8
47.5°	6704.0	6802.7	7092.5	7566.1	8033.6	8092.8	7696.6	7632.9	7097.1	6992.4	7343.0
50°	6983.3	7051.6	7311.1	7840.8	8472.2	8507.1	8039.6	7962.2	7361.2	7270.1	7655.6
52.5°	6699.4	6691.9	6965.1	7617.7	8699.9	9120.3	8567.8	8493.4	7871.2	7731.5	8139.8
55°	5684.1	5597.5	5841.9	6483.9	8063.9	9665.2	9514.9	9366.2	8551.1	8196.0	8593.6
57.5°	4155.7	4131.4	4190.6	4793.1	6459.6	8821.3	10094.7	10081.0	9138.5	8620.9	9045.9
60°	3249.5	3213.1	3055.3	3072.0	4403.1	6890.7	8760.6	9162.8	9502.8	8875.9	9361.6
62.5°	2885.3	2858.0	2776.0	2549.9	2622.7	4620.1	6421.7	6790.5	8303.7	7839.3	8041.2
65°	2389.0	2381.4	2449.7	2440.6	2197.7	2551.4	3624.4	3996.3	5221.1	5286.4	5221.1
67.5°	1736.3	1722.7	1895.7	2237.2	2115.8	1926.1	2020.2	2149.2	2677.3	2404.1	2164.3
70°	1129.2	1109.5	1209.7	1616.4	1894.2	1678.7	1455.5	1434.3	1472.2	915.2	989.6
72.5°	757.4	734.6	733.1	889.4	1144.4	1130.7	1127.7	1117.1	997.2	722.5	801.4
75°	421.9	403.7	399.2	384.0	409.8	417.4	444.7	459.9	497.8	547.9	607.1
77.5°	71.3	69.8	88.0	112.3	154.8	198.8	245.9	259.5	320.2	379.4	417.4
80°	39.5	41.0	53.1	65.3	86.5	118.4	151.8	160.9	197.3	229.2	259.5
82.5°	21.2	21.2	27.3	34.9	47.1	62.2	82.0	89.5	113.8	133.6	154.8
85°	7.6	7.6	10.6	13.7	19.7	25.8	31.9	36.4	50.1	68.3	77.4
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.1	6.1	7.6	13.7	19.7
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°	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4	5758.4
2.5°	5788.8	5747.8	5804.0	5829.8	5838.9	5844.9	5805.5	5778.2	5769.0	5740.2	5723.5
5°	5810.0	5782.7	5835.8	5835.8	5797.9	5758.4	5678.0	5621.8	5582.4	5535.3	5527.7
7.5°	5846.5	5826.7	5855.6	5796.4	5700.7	5594.5	5454.9	5345.6	5257.6	5199.9	5201.4
10°	5895.0	5870.7	5848.0	5715.9	5541.4	5345.6	5131.6	4972.2	4826.5	4759.7	4723.3
12.5°	5926.9	5892.0	5796.4	5577.8	5321.3	5058.7	4756.7	4519.9	4309.0	4213.3	4205.7
15°	5966.4	5902.6	5711.4	5398.7	5042.0	4683.8	4295.3	3965.9	3680.6	3531.9	3524.3
17.5°	6018.0	5913.2	5609.7	5193.8	4747.6	4219.4	3730.7	3316.3	3012.8	2897.4	2917.2
20°	6090.8	5925.4	5494.3	4966.1	4381.8	3691.2	3082.6	2701.6	2584.8	2577.2	2562.0
22.5°	6172.8	5933.0	5366.8	4711.2	3938.6	3128.1	2546.8	2384.4	2382.9	2420.8	2430.0
25°	6265.4	5939.0	5222.7	4413.7	3459.0	2566.6	2252.4	2203.8	2241.7	2313.1	2322.2
27.5°	6383.7	5951.2	5048.1	4087.4	2949.0	2217.5	2090.0	2077.8	2123.4	2190.1	2187.1
30°	6558.3	5995.2	4862.9	3712.5	2425.4	2052.0	1991.3	1992.8	2011.0	2042.9	2047.5
32.5°	6735.9	6063.5	4682.3	3290.5	2124.9	1957.9	1930.6	1927.6	1927.6	1941.2	1944.3
35°	6904.3	6140.9	4486.5	2850.4	1979.2	1903.3	1885.1	1876.0	1871.4	1868.4	1863.8
37.5°	6998.4	6178.8	4295.3	2416.3	1901.8	1866.9	1848.6	1836.5	1819.8	1807.7	1804.6
40°	6957.5	6134.8	4073.7	2091.5	1854.7	1831.9	1810.7	1794.0	1771.2	1760.6	1754.5
42.5°	6820.9	5998.2	3832.4	1938.2	1816.8	1794.0	1768.2	1740.9	1725.7	1716.6	1715.1
45°	6676.7	5832.8	3541.0	1848.6	1780.3	1753.0	1722.7	1692.3	1675.6	1671.1	1669.5
47.5°	6672.1	5750.8	3231.3	1777.3	1736.3	1709.0	1671.1	1640.7	1622.5	1616.4	1610.4
50°	6872.5	5834.3	2882.2	1715.1	1690.8	1662.0	1619.5	1586.1	1563.3	1555.7	1554.2
52.5°	7288.3	6148.5	2569.6	1652.9	1630.1	1596.7	1561.8	1528.4	1501.1	1487.4	1485.9
55°	7737.6	6547.7	2375.3	1589.1	1558.8	1529.9	1498.0	1461.6	1431.3	1410.0	1407.0
57.5°	8202.0	6983.3	2316.1	1508.7	1485.9	1466.2	1428.2	1388.8	1353.9	1334.1	1329.6
60°	8584.5	7358.2	2426.9	1423.7	1411.5	1385.7	1350.8	1312.9	1288.6	1273.4	1270.4
62.5°	7186.6	5990.6	1959.4	1331.1	1331.1	1303.8	1264.3	1237.0	1220.3	1209.7	1206.6
65°	4560.9	3709.4	1337.2	1238.5	1237.0	1200.6	1167.2	1149.0	1141.4	1124.7	1121.6
67.5°	1986.8	1695.4	1142.9	1144.4	1138.3	1098.9	1065.5	1051.8	1036.6	1018.4	1016.9
70°	1030.6	1050.3	1023.0	1039.7	1029.0	982.0	950.1	928.9	897.0	878.8	880.3
72.5°	831.7	853.0	883.3	909.1	886.4	848.4	798.3	772.5	731.6	711.8	713.4
75°	634.4	657.2	686.0	713.4	695.1	648.1	616.2	590.4	543.4	520.6	525.1
77.5°	437.1	449.3	484.2	482.7	476.6	462.9	415.9	385.5	336.9	309.6	312.7
80°	271.7	279.3	296.0	303.6	300.5	282.3	244.4	221.6	192.8	176.1	177.6
82.5°	163.9	168.5	183.7	185.2	183.7	170.0	141.2	124.5	106.2	97.1	97.1
85°	83.5	86.5	95.6	95.6	86.5	72.9	65.3	57.7	47.1	42.5	42.5
87.5°	22.8	22.8	28.8	24.3	19.7	18.2	9.1	7.6	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)