

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: P641825

Luminaire Tested: GWS-SA6B-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641825  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

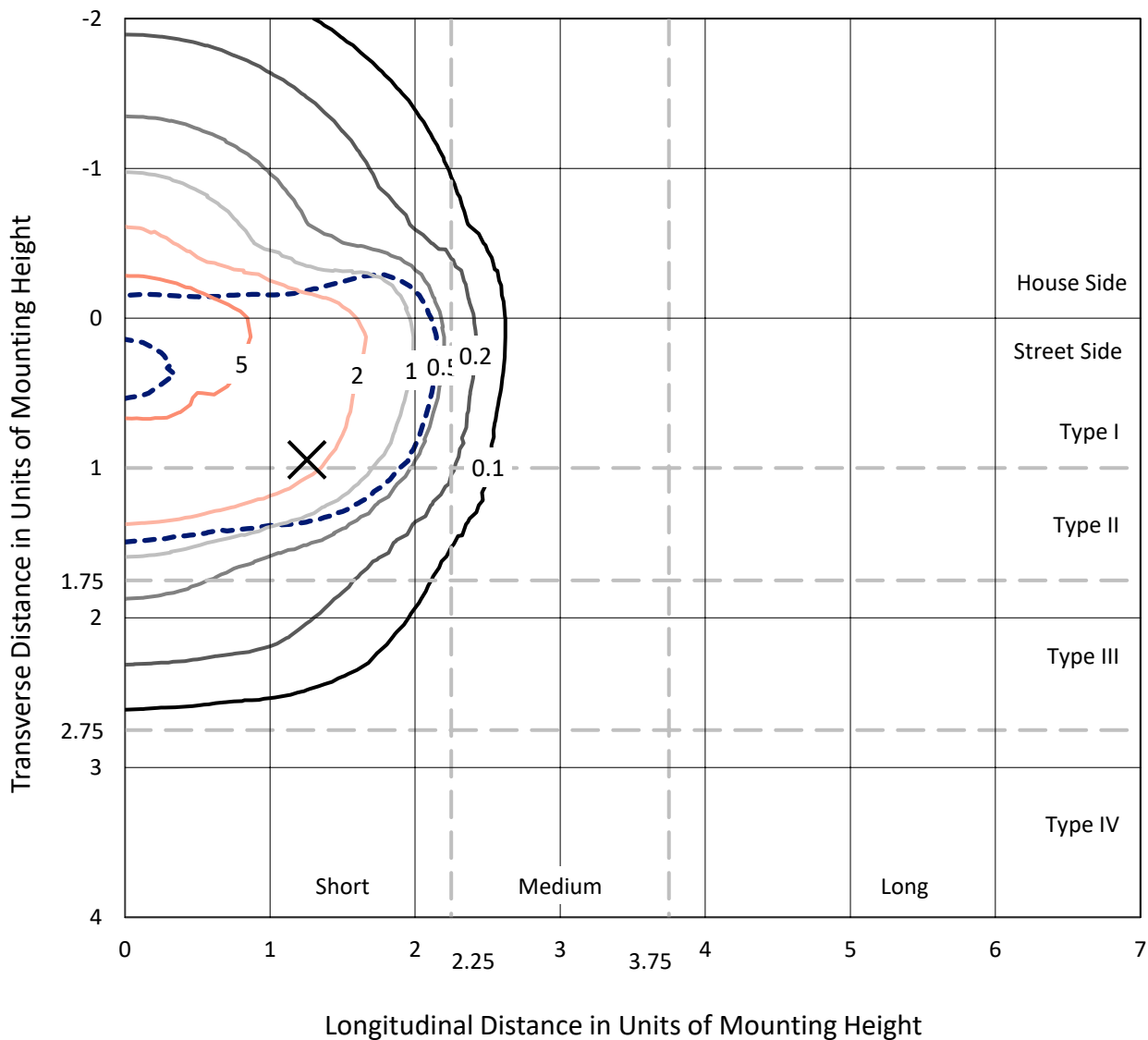
Lumens per Lamp: N/A  
Luminaire Lumens: 18193.4 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

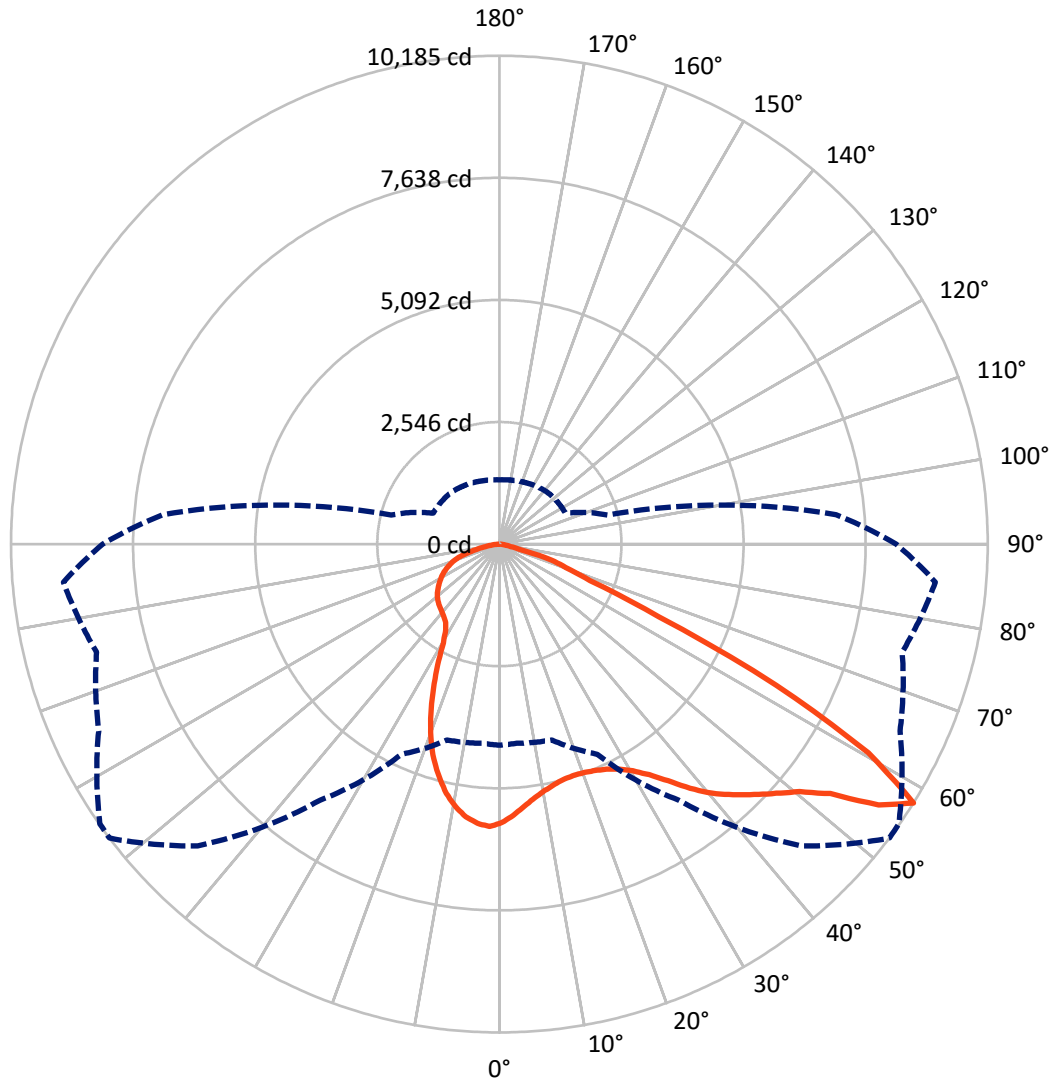
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	5688.4	0.0	5688.4
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	12505.0	0.0	12505.0
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	18193.4	0.0	18193.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.4	2.9
10°-20°	1378.3	7.6
20°-30°	2030.8	11.2
30°-40°	2842.5	15.6
40°-50°	3736.7	20.5
50°-60°	4381.3	24.1
60°-70°	2581.1	14.2
70°-80°	642.1	3.5
80°-90°	75.3	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°	18193.4	100.0
0°-180°	18193.4	100.0

**Coefficient of Utilization**



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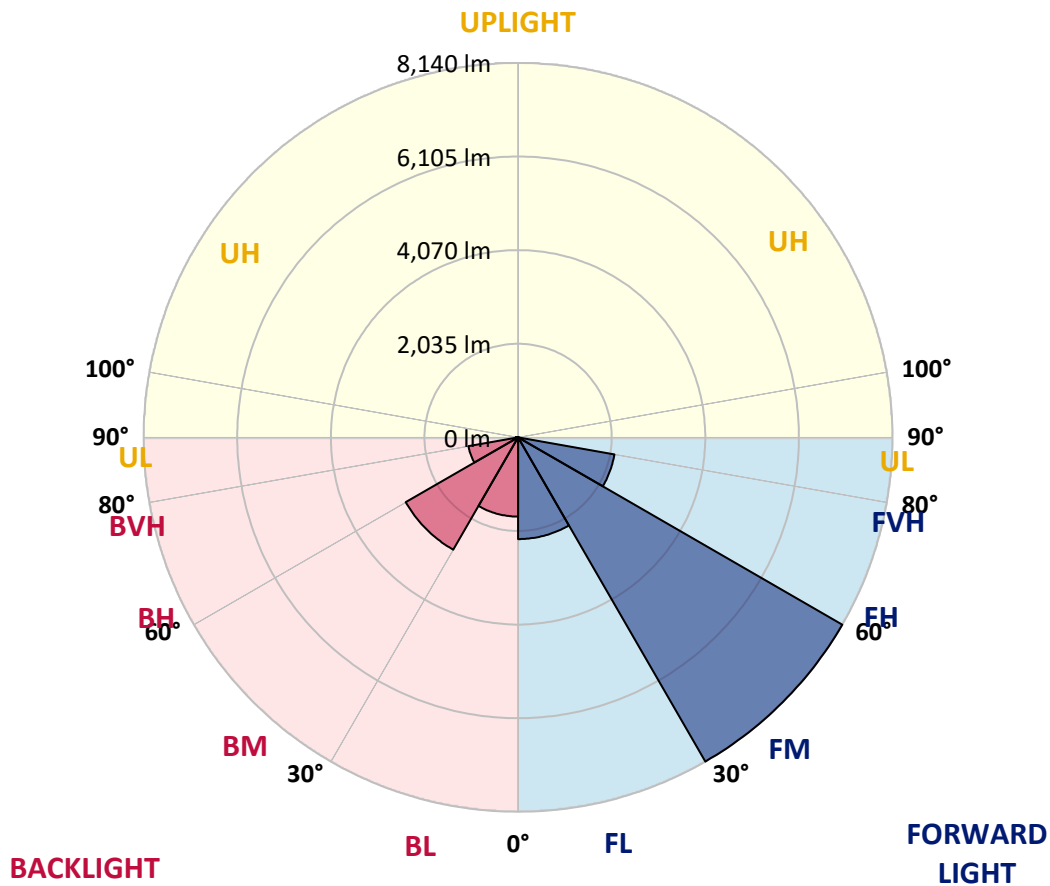
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.0	12.2			
FM (30°-60°)	8139.9	44.7			
FH (60°-80°)	2127.9	11.7			G2/5000
FVH (80°-90°)	25.2	0.1			G1/100
BL (0°-30°)	1722.5	9.5	B3/2500		
BM (30°-60°)	2820.6	15.5	B3/5000		
BH (60°-80°)	1095.2	6.0	B3/2500		G3/2500
BVH (80°-90°)	50.1	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°	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6
2.5°	5475.8	5491.1	5494.2	5541.7	5544.7	5613.6	5659.6	5650.4	5697.9	5756.0	5802.0
5°	5214.0	5215.5	5230.8	5287.5	5318.1	5408.5	5485.0	5485.0	5576.9	5696.3	5798.9
7.5°	4998.1	4996.5	5010.3	5073.1	5123.6	5232.4	5336.5	5348.7	5477.4	5651.9	5818.8
10°	4797.5	4808.2	4823.5	4900.1	4964.4	5099.1	5223.2	5243.1	5405.4	5621.3	5846.4
12.5°	4668.8	4670.4	4693.3	4779.1	4861.8	5005.7	5135.9	5160.4	5347.2	5592.2	5866.3
15°	4586.2	4587.7	4612.2	4707.1	4803.6	4949.1	5082.3	5109.9	5313.5	5587.6	5904.6
17.5°	4549.4	4547.9	4570.8	4665.8	4771.4	4923.0	5065.4	5099.1	5328.8	5622.8	5972.0
20°	4549.4	4550.9	4563.2	4648.9	4756.1	4916.9	5082.3	5123.6	5388.5	5702.5	6076.1
22.5°	4613.7	4619.8	4626.0	4684.2	4768.4	4926.1	5126.7	5181.8	5517.2	5835.7	6212.4
25°	4739.3	4740.8	4746.9	4794.4	4832.7	4952.1	5200.2	5282.9	5717.8	6030.1	6383.9
27.5°	4907.7	4929.2	4935.3	4965.9	4965.9	5016.4	5315.0	5434.5	5988.8	6310.4	6602.8
30°	5143.5	5151.2	5161.9	5195.6	5158.9	5137.4	5483.5	5636.6	6302.7	6648.8	6866.2
32.5°	5350.3	5367.1	5425.3	5480.4	5414.6	5347.2	5731.5	5912.2	6604.4	7001.0	7146.4
35°	5526.4	5567.7	5679.5	5802.0	5756.0	5688.7	6060.8	6249.1	6852.4	7253.6	7394.5
37.5°	5739.2	5771.4	5924.5	6123.6	6164.9	6132.7	6462.0	6596.7	7017.8	7317.9	7529.3
40°	5955.1	6004.1	6201.6	6477.3	6635.0	6658.0	6832.5	6922.9	7074.5	7192.4	7503.2
42.5°	6175.6	6259.8	6530.9	6852.4	7132.7	7184.7	7144.9	7183.2	7056.1	7019.3	7382.3
45°	6445.1	6544.7	6850.9	7261.3	7630.3	7711.5	7451.2	7415.9	7053.0	6953.5	7307.2
47.5°	6763.6	6863.2	7155.6	7633.4	8105.0	8164.7	7765.1	7700.8	7160.2	7054.6	7408.3
50°	7045.4	7114.3	7376.1	7910.5	8547.6	8582.8	8111.1	8033.1	7426.7	7334.8	7723.7
52.5°	6759.0	6751.4	7027.0	7685.5	8777.2	9201.4	8644.0	8569.0	7941.2	7800.3	8212.2
55°	5734.6	5647.3	5893.9	6541.6	8135.6	9751.1	9599.5	9449.5	8627.2	8268.9	8670.1
57.5°	4192.6	4168.1	4227.8	4835.8	6517.1	8899.8	10184.5	10170.7	9219.8	8697.6	9126.4
60°	3278.5	3241.7	3082.4	3099.3	4442.2	6952.0	8838.5	9244.3	9587.3	8954.9	9444.9
62.5°	2910.9	2883.4	2800.7	2572.5	2646.0	4661.2	6478.8	6850.9	8377.6	7909.0	8112.7
65°	2410.2	2402.6	2471.5	2462.3	2217.3	2574.1	3656.7	4031.8	5267.6	5333.4	5267.6
67.5°	1751.8	1738.0	1912.6	2257.1	2134.6	1943.2	2038.1	2168.3	2701.2	2425.5	2183.6
70°	1139.3	1119.4	1220.4	1630.8	1911.0	1693.6	1468.5	1447.1	1485.3	923.4	998.4
72.5°	764.1	741.1	739.6	897.3	1154.6	1140.8	1137.7	1127.0	1006.0	728.9	808.5
75°	425.7	407.3	402.7	387.4	413.4	421.1	448.7	464.0	502.3	552.8	612.5
77.5°	72.0	70.4	88.8	113.3	156.2	200.6	248.1	261.8	323.1	382.8	421.1
80°	39.8	41.3	53.6	65.8	87.3	119.4	153.1	162.3	199.1	231.2	261.8
82.5°	21.4	21.4	27.6	35.2	47.5	62.8	82.7	90.3	114.8	134.8	156.2
85°	7.7	7.7	10.7	13.8	19.9	26.0	32.2	36.8	50.5	68.9	78.1
87.5°	0.0	0.0	0.0	0.0	1.5	3.1	6.1	6.1	7.7	13.8	19.9
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°	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6	5809.6
2.5°	5840.3	5798.9	5855.6	5881.6	5890.8	5896.9	5857.1	5829.6	5820.4	5791.3	5774.4
5°	5861.7	5834.1	5887.7	5887.7	5849.5	5809.6	5728.5	5671.8	5632.0	5584.5	5576.9
7.5°	5898.5	5878.6	5907.6	5847.9	5751.5	5644.3	5503.4	5393.1	5304.3	5246.1	5247.7
10°	5947.5	5923.0	5900.0	5766.8	5590.7	5393.1	5177.2	5016.4	4869.4	4802.1	4765.3
12.5°	5979.6	5944.4	5847.9	5627.4	5368.6	5103.7	4799.0	4560.1	4347.3	4250.8	4243.2
15°	6019.4	5955.1	5762.2	5446.7	5086.9	4725.5	4333.5	4001.2	3713.3	3563.3	3555.6
17.5°	6071.5	5965.8	5659.6	5240.0	4789.8	4256.9	3763.9	3345.8	3039.6	2923.2	2943.1
20°	6145.0	5978.1	5543.2	5010.3	4420.8	3724.1	3110.0	2725.7	2607.8	2600.1	2584.8
22.5°	6227.7	5985.7	5414.6	4753.1	3973.6	3156.0	2569.5	2405.6	2404.1	2442.4	2451.6
25°	6321.1	5991.9	5269.1	4452.9	3489.8	2589.4	2272.4	2223.4	2261.7	2333.7	2342.8
27.5°	6440.5	6004.1	5093.0	4123.7	2975.3	2237.2	2108.6	2096.3	2142.2	2209.6	2206.6
30°	6616.6	6048.5	4906.2	3745.5	2447.0	2070.3	2009.0	2010.6	2028.9	2061.1	2065.7
32.5°	6795.8	6117.4	4724.0	3319.8	2143.8	1975.3	1947.8	1944.7	1944.7	1958.5	1961.6
35°	6965.8	6195.5	4526.4	2875.7	1996.8	1920.2	1901.8	1892.7	1888.1	1885.0	1880.4
37.5°	7060.7	6233.8	4333.5	2437.8	1918.7	1883.5	1865.1	1852.8	1836.0	1823.7	1820.7
40°	7019.3	6189.4	4109.9	2110.1	1871.2	1848.2	1826.8	1810.0	1787.0	1776.3	1770.1
42.5°	6881.5	6051.6	3866.5	1955.4	1832.9	1810.0	1783.9	1756.4	1741.1	1731.9	1730.3
45°	6736.1	5884.7	3572.5	1865.1	1796.2	1768.6	1738.0	1707.4	1690.5	1685.9	1684.4
47.5°	6731.5	5802.0	3260.1	1793.1	1751.8	1724.2	1685.9	1655.3	1636.9	1630.8	1624.7
50°	6933.6	5886.2	2907.9	1730.3	1705.8	1676.7	1633.9	1600.2	1577.2	1569.6	1568.0
52.5°	7353.2	6203.2	2592.4	1667.6	1644.6	1610.9	1575.7	1542.0	1514.4	1500.6	1499.1
55°	7806.4	6605.9	2396.4	1603.2	1572.6	1543.5	1511.4	1474.6	1444.0	1422.6	1419.5
57.5°	8275.0	7045.4	2336.7	1522.1	1499.1	1479.2	1440.9	1401.1	1365.9	1346.0	1341.4
60°	8660.9	7423.6	2448.5	1436.3	1424.1	1398.1	1362.8	1324.5	1300.0	1284.7	1281.7
62.5°	7250.6	6043.9	1976.9	1342.9	1342.9	1315.4	1275.5	1248.0	1231.1	1220.4	1217.4
65°	4601.5	3742.4	1349.1	1249.5	1248.0	1211.2	1177.5	1159.2	1151.5	1134.7	1131.6
67.5°	2004.4	1710.4	1153.0	1154.6	1148.5	1108.6	1075.0	1061.2	1045.9	1027.5	1026.0
70°	1039.7	1059.6	1032.1	1048.9	1038.2	990.7	958.6	937.1	905.0	886.6	888.1
72.5°	839.1	860.6	891.2	917.2	894.3	856.0	805.4	779.4	738.1	718.2	719.7
75°	640.1	663.0	692.1	719.7	701.3	653.9	621.7	595.7	548.2	525.2	529.8
77.5°	441.0	453.3	488.5	486.9	480.8	467.0	419.6	388.9	339.9	312.4	315.4
80°	274.1	281.8	298.6	306.3	303.2	284.8	246.5	223.6	194.5	177.6	179.2
82.5°	165.4	170.0	185.3	186.8	185.3	171.5	142.4	125.6	107.2	98.0	98.0
85°	84.2	87.3	96.5	96.5	87.3	73.5	65.8	58.2	47.5	42.9	42.9
87.5°	23.0	23.0	29.1	24.5	19.9	18.4	9.2	7.7	3.1	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)