

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: P642347

Luminaire Tested: GWS-SA6C-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

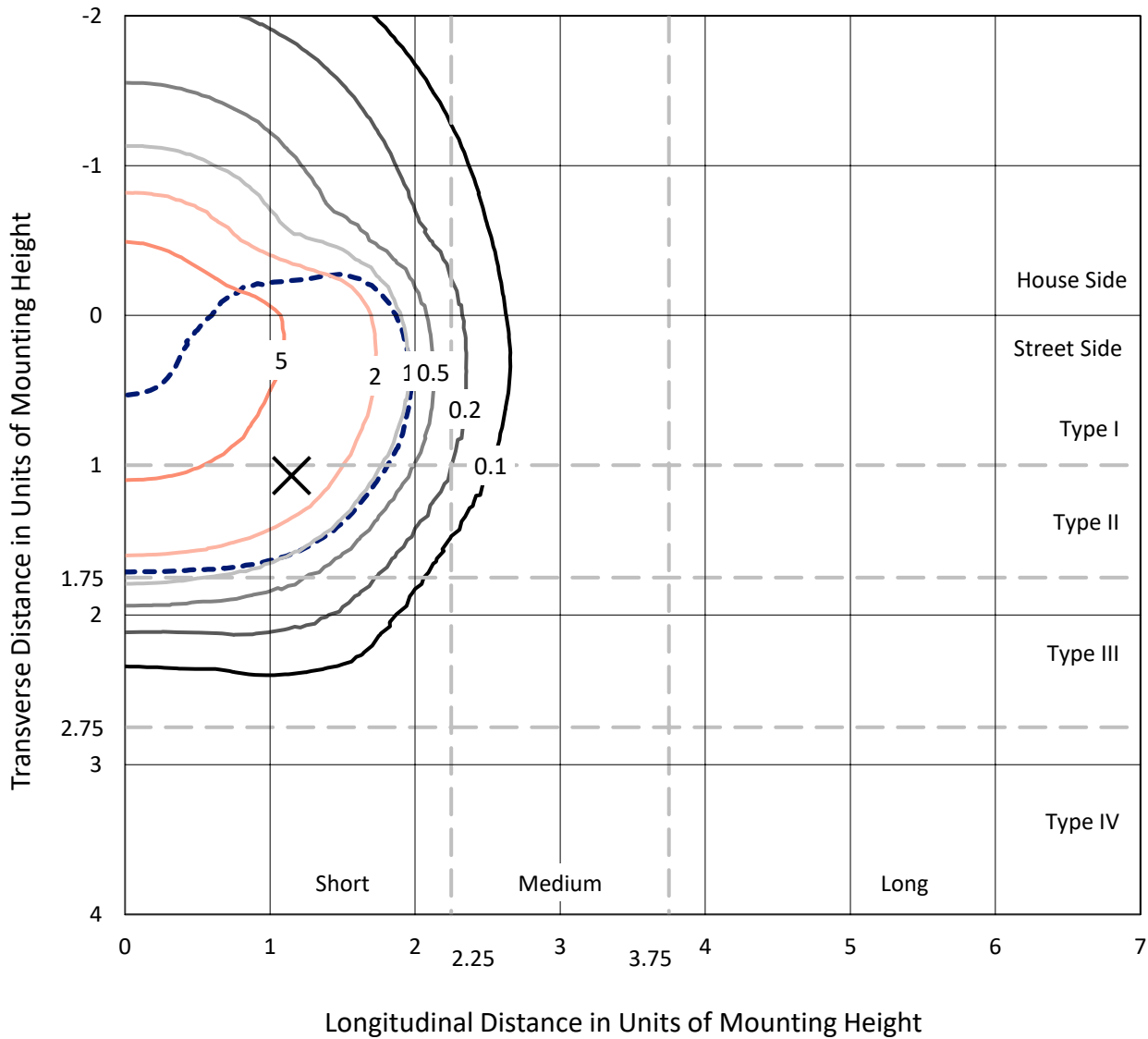
Lumens per Lamp: N/A  
Luminaire Lumens: 24450.7 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

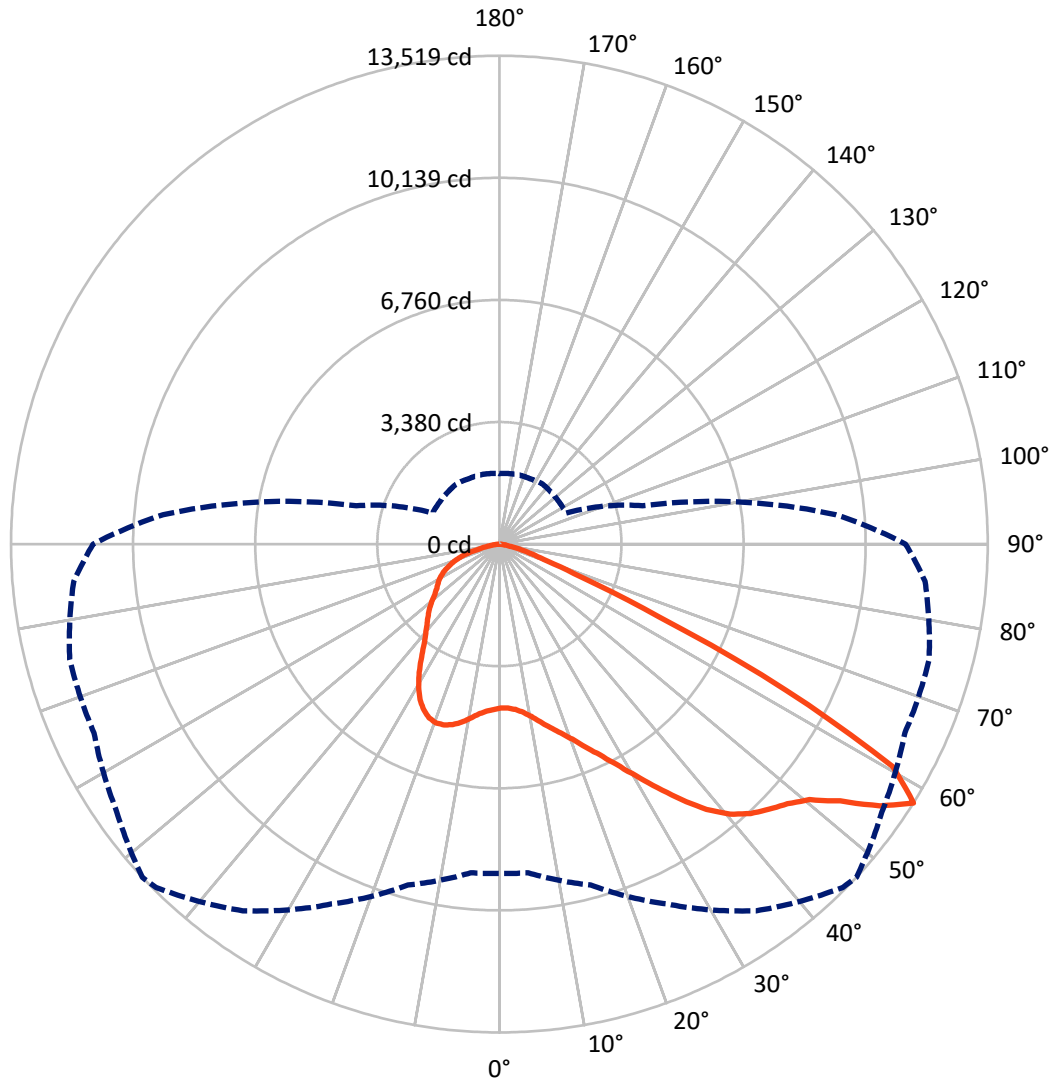
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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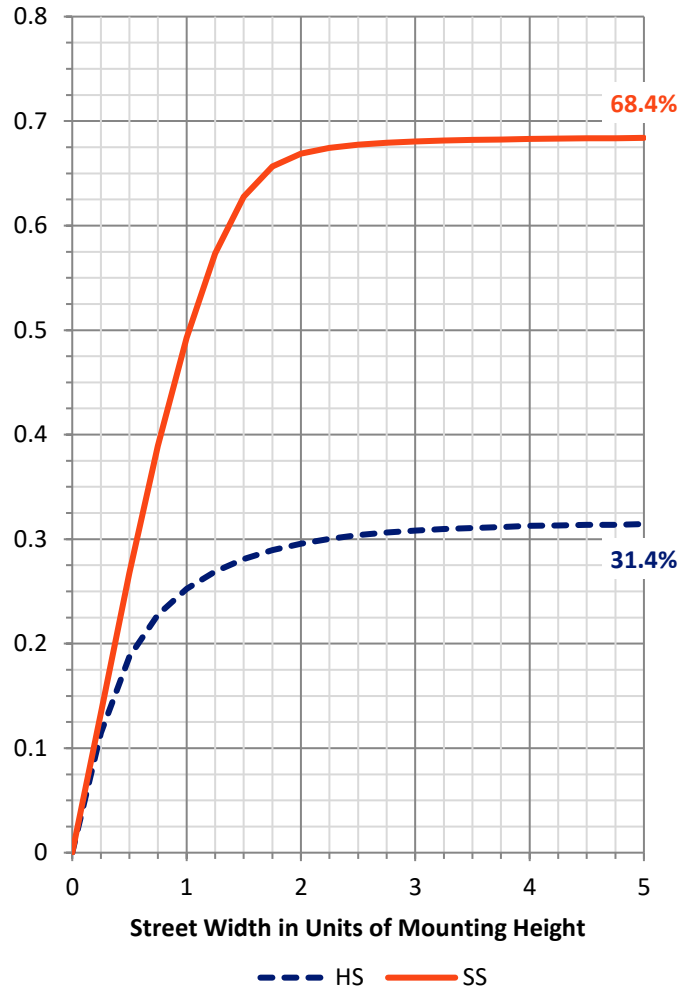
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7738.6	0.0	7738.6
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	16712.1	0.0	16712.1
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	24450.7	0.0	24450.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.2	1.8
10°-20°	1471.0	6.0
20°-30°	2648.7	10.8
30°-40°	4000.5	16.4
40°-50°	5387.2	22.0
50°-60°	6473.4	26.5
60°-70°	3152.7	12.9
70°-80°	776.7	3.2
80°-90°	93.3	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°	24450.7	100.0
0°-180°	24450.7	100.0

**Coefficient of Utilization**



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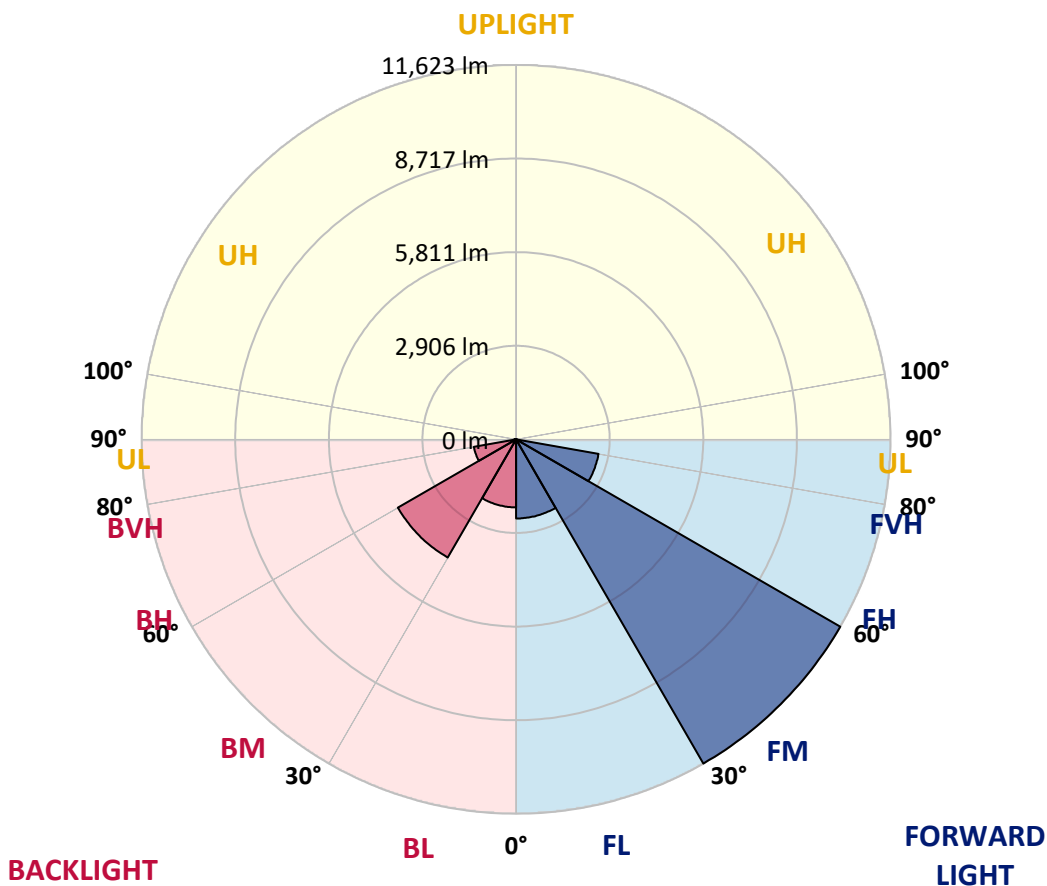
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2455.9	10.0			
FM (30°-60°)	11622.7	47.5			
FH (60°-80°)	2598.4	10.6			G2/5000
FVH (80°-90°)	35.1	0.1			G1/100
BL (0°-30°)	2110.9	8.6	B3/2500		
BM (30°-60°)	4238.4	17.3	B3/5000		
BH (60°-80°)	1331.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	58.3	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°	47°	55°	65°	75°	85°
0°	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4
2.5°	4526.2	4524.1	4524.1	4536.5	4536.5	4540.6	4546.7	4552.9	4555.0	4544.7	4522.1
5°	4575.5	4575.5	4575.5	4585.8	4585.8	4589.9	4598.1	4600.1	4598.1	4581.7	4559.1
7.5°	4653.5	4653.5	4655.6	4667.9	4678.2	4684.3	4698.7	4696.7	4690.5	4663.8	4635.0
10°	4780.9	4787.0	4793.2	4807.6	4828.1	4842.5	4852.7	4852.7	4844.5	4803.4	4766.5
12.5°	4961.6	4969.8	4975.9	4988.3	5004.7	5029.3	5051.9	5051.9	5041.7	4990.3	4934.9
15°	5173.1	5181.3	5179.3	5183.4	5214.2	5249.1	5267.6	5279.9	5284.0	5212.1	5125.9
17.5°	5415.4	5423.6	5415.4	5403.1	5407.2	5462.7	5495.5	5540.7	5567.4	5470.9	5333.3
20°	5635.2	5626.9	5626.9	5635.2	5647.5	5715.3	5764.5	5838.5	5871.3	5754.3	5540.7
22.5°	5867.2	5885.7	5877.5	5877.5	5926.8	6039.7	6099.3	6195.8	6230.7	6078.7	5791.2
25°	6167.1	6183.5	6179.4	6183.5	6241.0	6401.2	6460.7	6639.4	6674.3	6456.6	6068.5
27.5°	6495.6	6522.3	6534.7	6530.5	6623.0	6832.4	6906.4	7154.9	7218.5	6879.7	6364.2
30°	6922.8	6951.5	6961.8	6957.7	7066.5	7352.0	7436.2	7719.6	7810.0	7380.8	6740.0
32.5°	7417.7	7446.5	7477.3	7489.6	7629.2	7920.9	8042.0	8335.7	8465.1	7959.9	7193.9
35°	7908.5	7933.2	7992.7	8089.3	8280.2	8578.0	8684.8	8974.4	9099.6	8561.6	7742.2
37.5°	8450.7	8467.1	8518.5	8651.9	8927.1	9210.5	9317.3	9594.6	9608.9	9142.8	8362.4
40°	9044.2	9044.2	9033.9	9165.4	9452.9	9738.3	9830.7	9990.9	9906.7	9590.5	8966.2
42.5°	9547.3	9539.1	9547.3	9670.5	9884.1	10116.2	10196.3	10165.5	10058.7	9933.4	9512.4
45°	10001.2	10007.3	10081.3	10175.7	10286.6	10424.2	10471.5	10296.9	10200.4	10208.6	9949.8
47.5°	10309.2	10315.4	10487.9	10646.0	10713.8	10756.9	10736.4	10494.1	10444.8	10537.2	10286.6
50°	10350.3	10383.2	10680.9	11005.4	11173.8	11180.0	11122.5	10826.7	10812.4	10917.1	10467.4
52.5°	10358.5	10391.4	10763.1	11348.4	11785.8	11878.2	11812.5	11504.4	11354.5	11249.8	10689.2
55°	10327.7	10364.7	10775.4	11578.4	12416.3	12785.9	12792.1	12356.7	11878.2	11808.4	11321.7
57.5°	9118.1	9132.5	9769.1	10993.1	12391.6	13439.0	13519.1	12927.6	12381.3	12315.6	11828.9
60°	6351.9	6409.4	7101.5	8717.7	10409.9	12256.1	12514.8	12342.3	11976.8	11498.3	10149.0
62.5°	3181.1	3230.4	3924.5	5452.4	7179.5	8637.6	8914.8	9097.6	9183.8	8670.4	6910.5
65°	1369.8	1406.7	1838.0	2848.4	4064.1	4768.5	4865.1	5084.8	5622.8	5017.0	3723.2
67.5°	915.9	940.6	1160.3	1737.4	2394.5	2439.7	2425.3	2472.6	2589.6	2137.8	1681.9
70°	702.3	722.9	870.7	1273.3	1720.9	1472.5	1394.4	1265.0	1373.9	1400.6	1363.6
72.5°	509.3	525.7	636.6	868.7	1078.2	940.6	928.2	994.0	1141.8	1182.9	1160.3
75°	328.6	336.8	404.6	476.4	556.5	603.8	628.4	747.5	897.4	928.2	901.5
77.5°	219.7	225.9	264.9	306.0	316.3	318.3	326.5	379.9	482.6	540.1	533.9
80°	115.0	115.0	129.4	129.4	147.9	176.6	184.8	219.7	267.0	295.7	297.8
82.5°	45.2	47.2	55.4	61.6	73.9	90.4	96.5	115.0	139.6	160.2	178.7
85°	18.5	20.5	22.6	26.7	32.9	41.1	43.1	49.3	65.7	82.1	92.4
87.5°	0.0	0.0	2.1	2.1	4.1	6.2	6.2	8.2	10.3	18.5	24.6
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°	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4	4534.4
2.5°	4548.8	4522.1	4548.8	4557.0	4579.6	4587.8	4573.4	4571.4	4571.4	4550.8	4544.7
5°	4579.6	4555.0	4581.7	4594.0	4626.8	4647.4	4651.5	4667.9	4678.2	4670.0	4667.9
7.5°	4655.6	4624.8	4653.5	4672.0	4715.1	4748.0	4762.4	4799.3	4826.0	4821.9	4819.9
10°	4789.1	4748.0	4780.9	4811.7	4858.9	4897.9	4900.0	4920.5	4947.2	4939.0	4934.9
12.5°	4943.1	4904.1	4941.0	4971.8	5027.3	5043.7	5017.0	5008.8	5012.9	5002.6	4994.4
15°	5132.0	5076.6	5109.4	5144.3	5175.2	5156.7	5099.2	5076.6	5074.5	5060.1	5051.9
17.5°	5321.0	5251.1	5275.8	5294.3	5279.9	5222.4	5150.5	5111.5	5093.0	5064.3	5056.0
20°	5507.8	5419.5	5415.4	5401.0	5335.3	5230.6	5134.1	5056.0	5008.8	4969.8	4955.4
22.5°	5721.4	5598.2	5536.6	5470.9	5327.1	5156.7	5010.9	4900.0	4824.0	4774.7	4758.3
25°	5951.4	5776.9	5649.5	5518.1	5245.0	4998.5	4795.2	4643.3	4552.9	4499.5	4481.0
27.5°	6179.4	5939.1	5748.1	5524.3	5080.7	4770.6	4497.5	4292.1	4201.7	4158.6	4144.2
30°	6487.4	6154.7	5865.2	5444.2	4865.1	4454.3	4113.4	3906.0	3846.5	3815.6	3803.3
32.5°	6842.7	6427.9	6021.2	5275.8	4589.9	4084.7	3725.3	3581.5	3540.5	3480.9	3478.9
35°	7310.9	6818.1	6169.1	5027.3	4242.8	3688.3	3427.5	3324.8	3250.9	3156.4	3148.2
37.5°	7857.2	7304.8	6249.2	4711.0	3838.2	3361.8	3205.7	3090.7	2971.6	2846.3	2829.9
40°	8421.9	7873.6	6255.4	4337.3	3441.9	3146.2	3014.7	2864.8	2717.0	2577.3	2558.8
42.5°	9015.4	8403.5	6146.5	3906.0	3117.4	2959.3	2825.8	2636.9	2470.5	2376.1	2365.8
45°	9545.3	8830.6	5900.1	3452.2	2877.1	2803.2	2632.8	2429.4	2341.1	2273.4	2259.0
47.5°	9962.2	9114.0	5567.4	3045.5	2682.0	2643.0	2421.2	2316.5	2248.7	2187.1	2172.7
50°	10167.5	9177.7	5134.1	2714.9	2501.3	2454.1	2302.1	2222.0	2176.8	2127.6	2115.2
52.5°	10422.2	9249.6	4760.3	2437.7	2324.7	2261.0	2203.5	2139.9	2107.0	2076.2	2066.0
55°	11007.5	9520.6	4563.2	2215.9	2156.3	2127.6	2119.3	2066.0	2055.7	2035.1	2016.7
57.5°	11245.7	9346.1	4097.0	2035.1	2022.8	2026.9	2047.5	1998.2	1987.9	1963.3	1950.9
60°	9044.2	7064.5	2774.5	1879.1	1911.9	1938.6	1959.2	1909.9	1895.5	1891.4	1875.0
62.5°	5795.3	4345.5	1936.6	1733.3	1782.6	1815.4	1827.7	1780.5	1770.2	1803.1	1805.1
65°	3016.8	2367.8	1571.0	1577.2	1618.3	1667.5	1692.2	1675.8	1671.7	1706.6	1708.6
67.5°	1540.2	1447.8	1369.8	1392.4	1425.2	1488.9	1546.4	1618.3	1642.9	1647.0	1649.1
70°	1312.3	1271.2	1232.2	1246.6	1281.5	1316.4	1371.8	1406.7	1365.7	1355.4	1351.3
72.5°	1117.2	1086.4	1067.9	1084.3	1102.8	1096.6	1080.2	1096.6	1102.8	1104.9	1106.9
75°	868.7	846.1	831.7	833.8	833.8	811.2	780.4	761.9	741.4	724.9	724.9
77.5°	531.9	536.0	550.4	548.3	546.3	538.1	507.2	490.8	441.5	427.2	427.2
80°	303.9	310.1	324.5	328.6	328.6	318.3	287.5	269.0	246.4	236.2	234.1
82.5°	184.8	193.0	201.3	205.4	207.4	195.1	168.4	154.0	141.7	131.4	131.4
85°	96.5	100.6	108.8	110.9	104.7	92.4	78.0	71.9	59.6	57.5	57.5
87.5°	26.7	28.8	32.9	26.7	24.6	18.5	10.3	8.2	4.1	2.1	2.1
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)