

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: P636380

Luminaire Tested: GWS-SA3F-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636380  
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-SA3F-760-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

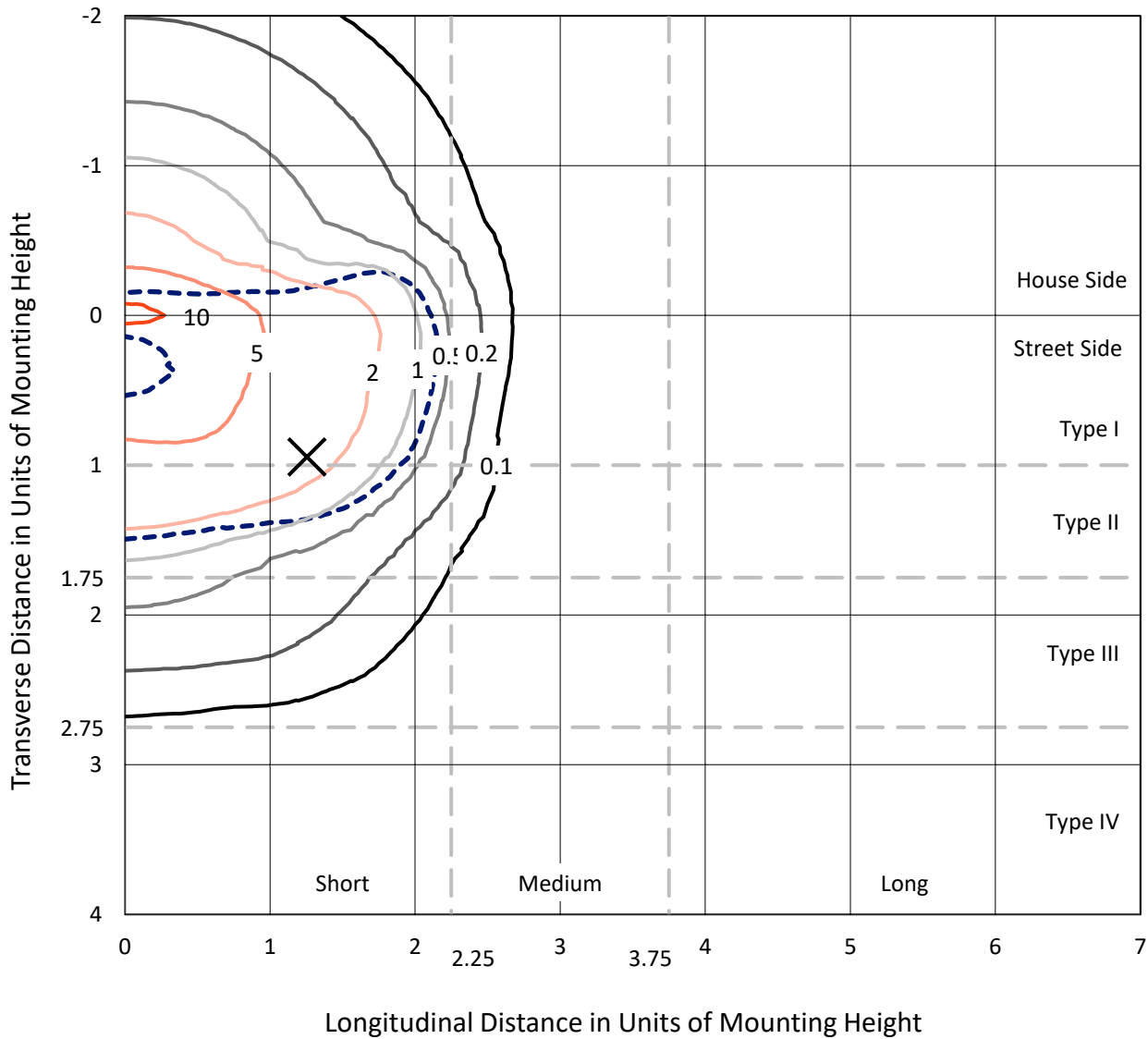
Lumens per Lamp: N/A  
Luminaire Lumens: 21010.2 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

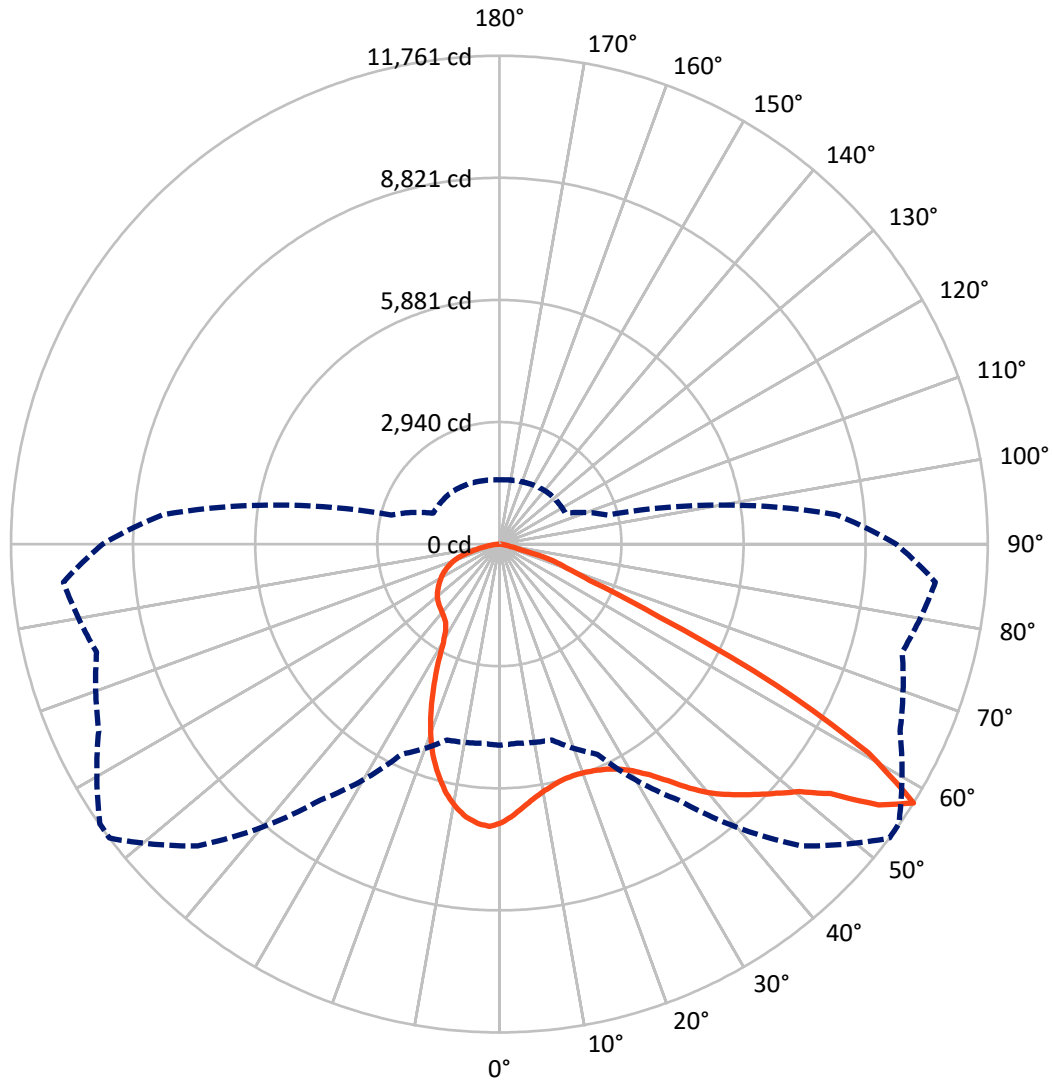
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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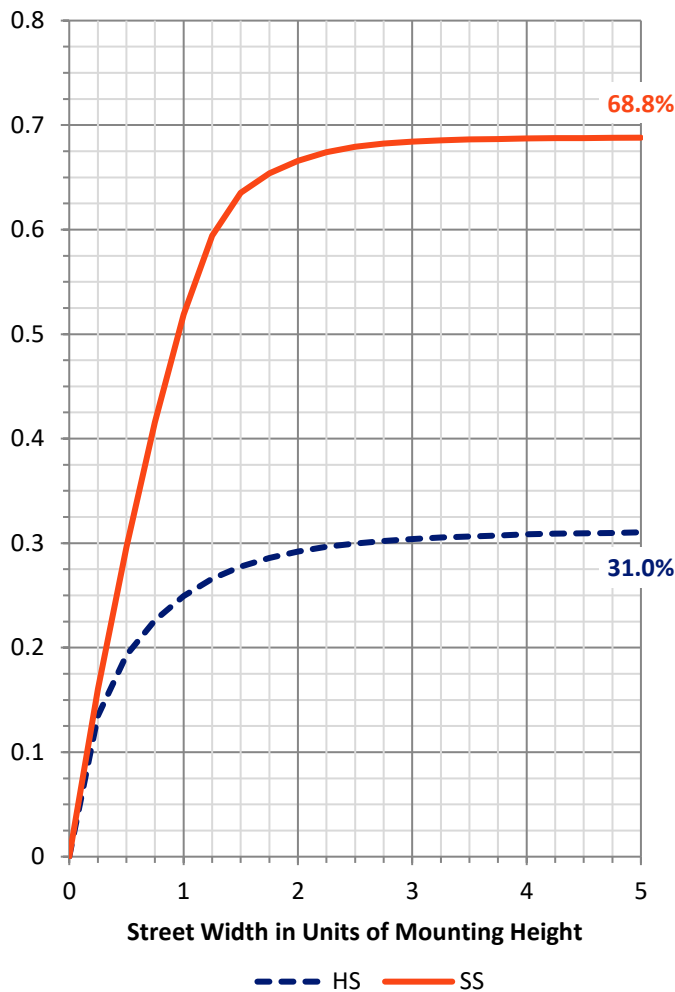
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6569.1	0.0	6569.1
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	14441.1	0.0	14441.1
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	21010.2	0.0	21010.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	606.7	2.9
10°-20°	1591.7	7.6
20°-30°	2345.2	11.2
30°-40°	3282.6	15.6
40°-50°	4315.2	20.5
50°-60°	5059.6	24.1
60°-70°	2980.7	14.2
70°-80°	741.5	3.5
80°-90°	87.0	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°	21010.2	100.0
0°-180°	21010.2	100.0

**Coefficient of Utilization**



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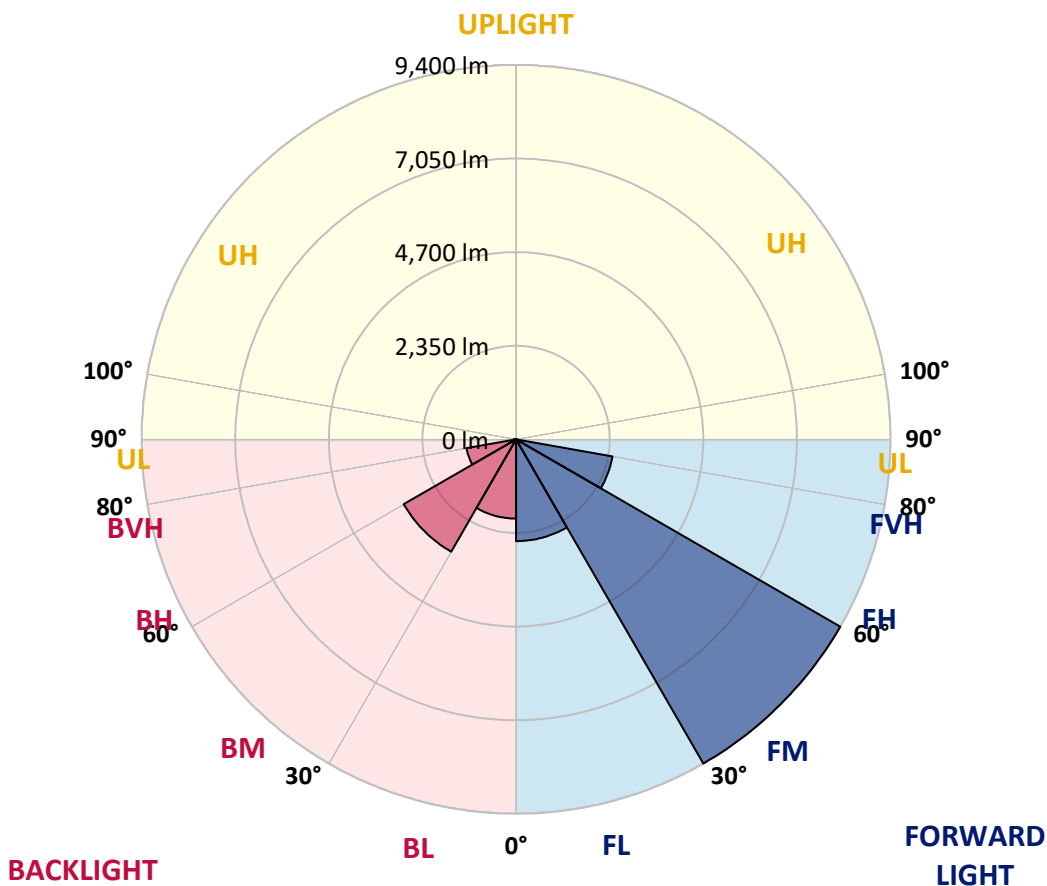
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2554.4	12.2			
FM (30°-60°)	9400.2	44.7			
FH (60°-80°)	2457.4	11.7			G2/5000
FVH (80°-90°)	29.1	0.1			G1/100
BL (0°-30°)	1989.2	9.5	B3/2500		
BM (30°-60°)	3257.3	15.5	B3/5000		
BH (60°-80°)	1264.8	6.0	B3/2500		G3/2500
BVH (80°-90°)	57.9	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°	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1
2.5°	6323.6	6341.3	6344.8	6399.7	6403.2	6482.8	6535.8	6525.2	6580.0	6647.2	6700.3
5°	6021.2	6023.0	6040.7	6106.1	6141.5	6245.8	6334.2	6334.2	6440.3	6578.3	6696.7
7.5°	5771.9	5770.1	5786.0	5858.5	5916.9	6042.5	6162.7	6176.9	6325.4	6527.0	6719.7
10°	5540.2	5552.6	5570.3	5658.7	5733.0	5888.6	6031.8	6054.8	6242.3	6491.6	6751.6
12.5°	5391.7	5393.5	5420.0	5519.0	5614.5	5780.7	5931.0	5959.3	6175.1	6458.0	6774.6
15°	5296.2	5298.0	5326.3	5435.9	5547.3	5715.3	5869.2	5901.0	6136.2	6452.7	6818.8
17.5°	5253.8	5252.0	5278.5	5388.2	5510.2	5685.2	5849.7	5888.6	6153.9	6493.4	6896.6
20°	5253.8	5255.5	5269.7	5368.7	5492.5	5678.2	5869.2	5916.9	6222.8	6585.3	7016.8
22.5°	5328.0	5335.1	5342.2	5409.4	5506.6	5688.8	5920.4	5984.1	6371.4	6739.2	7174.2
25°	5473.0	5474.8	5481.9	5536.7	5580.9	5718.8	6005.3	6100.8	6603.0	6963.8	7372.3
27.5°	5667.6	5692.3	5699.4	5734.8	5734.8	5793.1	6137.9	6275.9	6916.0	7287.4	7625.1
30°	5939.9	5948.7	5961.1	6000.0	5957.6	5932.8	6332.5	6509.3	7278.5	7678.2	7929.3
32.5°	6178.6	6198.1	6265.3	6328.9	6252.9	6175.1	6618.9	6827.6	7626.9	8084.9	8252.9
35°	6382.0	6429.7	6558.8	6700.3	6647.2	6569.4	6999.1	7216.6	7913.4	8376.7	8539.4
37.5°	6627.8	6664.9	6841.8	7071.6	7119.4	7082.2	7462.4	7618.1	8104.4	8451.0	8695.0
40°	6877.1	6933.7	7161.8	7480.1	7662.3	7688.8	7890.4	7994.7	8169.8	8305.9	8664.9
42.5°	7131.8	7229.0	7542.0	7913.4	8237.0	8297.1	8251.1	8295.3	8148.6	8106.1	8525.2
45°	7443.0	7557.9	7911.6	8385.5	8811.7	8905.4	8604.8	8564.1	8145.0	8030.1	8438.6
47.5°	7810.8	7925.8	8263.5	8815.2	9359.9	9428.8	8967.3	8893.0	8268.8	8146.8	8555.3
50°	8136.2	8215.8	8518.1	9135.3	9870.9	9911.6	9367.0	9276.8	8576.5	8470.4	8919.6
52.5°	7805.5	7796.7	8115.0	8875.4	10136.2	10626.0	9982.3	9895.7	9170.7	9008.0	9483.7
55°	6622.5	6521.7	6806.4	7554.4	9395.2	11260.9	11085.8	10912.5	9962.9	9549.1	10012.4
57.5°	4841.7	4813.5	4882.4	5584.5	7526.1	10277.7	11761.3	11745.4	10647.2	10044.2	10539.4
60°	3786.0	3743.6	3559.7	3579.1	5130.0	8028.3	10206.9	10675.5	11071.6	10341.3	10907.2
62.5°	3361.6	3329.8	3234.3	2970.8	3055.7	5382.9	7481.9	7911.6	9674.6	9133.5	9368.7
65°	2783.4	2774.5	2854.1	2843.5	2560.6	2972.6	4222.8	4656.1	6083.1	6159.2	6083.1
67.5°	2023.0	2007.1	2208.7	2606.5	2465.1	2244.0	2353.7	2504.0	3119.4	2801.1	2521.7
70°	1315.7	1292.7	1409.4	1883.3	2206.9	1955.8	1695.8	1671.1	1715.3	1066.3	1153.0
72.5°	882.4	855.9	854.1	1036.3	1333.3	1317.4	1313.9	1301.5	1161.8	841.7	933.7
75°	491.6	470.4	465.1	447.4	477.5	486.3	518.1	535.8	580.0	638.4	707.3
77.5°	83.1	81.3	102.6	130.9	180.4	231.7	286.5	302.4	373.1	442.1	486.3
80°	46.0	47.7	61.9	76.0	100.8	137.9	176.8	187.4	229.9	267.0	302.4
82.5°	24.8	24.8	31.8	40.7	54.8	72.5	95.5	104.3	132.6	155.6	180.4
85°	8.8	8.8	12.4	15.9	23.0	30.1	37.1	42.4	58.4	79.6	90.2
87.5°	0.0	0.0	0.0	0.0	1.8	3.5	7.1	7.1	8.8	15.9	23.0
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°	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1	6709.1
2.5°	6744.5	6696.7	6762.2	6792.2	6802.8	6809.9	6763.9	6732.1	6721.5	6687.9	6668.5
5°	6769.2	6737.4	6799.3	6799.3	6755.1	6709.1	6615.4	6550.0	6504.0	6449.2	6440.3
7.5°	6811.7	6788.7	6822.3	6753.3	6641.9	6518.1	6355.5	6228.1	6125.6	6058.4	6060.1
10°	6868.3	6840.0	6813.5	6659.6	6456.3	6228.1	5978.8	5793.1	5623.4	5545.5	5503.1
12.5°	6905.4	6864.7	6753.3	6498.7	6199.8	5893.9	5542.0	5266.1	5020.3	4908.9	4900.1
15°	6951.4	6877.1	6654.3	6290.0	5874.5	5457.1	5004.4	4620.7	4288.3	4115.0	4106.1
17.5°	7011.5	6889.5	6535.8	6051.3	5531.4	4916.0	4346.6	3863.8	3510.2	3375.8	3398.8
20°	7096.4	6903.6	6401.4	5786.0	5105.2	4300.6	3591.5	3147.7	3011.5	3002.7	2985.0
22.5°	7191.9	6912.5	6252.9	5489.0	4588.9	3644.6	2967.3	2778.1	2776.3	2820.5	2831.1
25°	7299.8	6919.6	6084.9	5142.4	4030.1	2990.3	2624.2	2567.6	2611.9	2695.0	2705.6
27.5°	7437.7	6933.7	5881.5	4762.2	3435.9	2583.6	2435.0	2420.9	2473.9	2551.7	2548.2
30°	7641.0	6985.0	5665.8	4325.4	2825.8	2390.8	2320.1	2321.8	2343.1	2380.2	2385.5
32.5°	7847.9	7064.6	5455.4	3833.8	2475.7	2281.2	2249.3	2245.8	2245.8	2261.7	2265.3
35°	8044.2	7154.7	5227.2	3321.0	2305.9	2217.5	2196.3	2185.7	2180.4	2176.8	2171.5
37.5°	8153.9	7199.0	5004.4	2815.2	2215.7	2175.1	2153.9	2139.7	2120.3	2106.1	2102.6
40°	8106.1	7147.7	4746.3	2436.8	2160.9	2134.4	2109.6	2090.2	2063.7	2051.3	2044.2
42.5°	7947.0	6988.5	4465.1	2258.2	2116.7	2090.2	2060.1	2028.3	2010.6	2000.0	1998.2
45°	7779.0	6795.8	4125.6	2153.9	2074.3	2042.4	2007.1	1971.7	1952.3	1947.0	1945.2
47.5°	7773.7	6700.3	3764.8	2070.7	2023.0	1991.2	1947.0	1911.6	1890.4	1883.3	1876.2
50°	8007.1	6797.5	3358.1	1998.2	1969.9	1936.3	1886.8	1847.9	1821.4	1812.6	1810.8
52.5°	8491.6	7163.6	2993.8	1925.7	1899.2	1860.3	1819.6	1780.7	1748.9	1733.0	1731.2
55°	9015.1	7628.7	2767.5	1851.5	1816.1	1782.5	1745.4	1702.9	1667.6	1642.8	1639.3
57.5°	9556.2	8136.2	2698.5	1757.7	1731.2	1708.2	1664.0	1618.0	1577.4	1554.4	1549.1
60°	10001.8	8573.0	2827.6	1658.7	1644.6	1614.5	1573.8	1529.6	1501.3	1483.6	1480.1
62.5°	8373.1	6979.7	2282.9	1550.8	1550.8	1519.0	1473.0	1441.2	1421.8	1409.4	1405.8
65°	5313.9	4321.9	1557.9	1443.0	1441.2	1398.8	1359.9	1338.6	1329.8	1310.3	1306.8
67.5°	2314.8	1975.2	1331.6	1333.3	1326.3	1280.3	1241.4	1225.5	1207.8	1186.6	1184.8
70°	1200.7	1223.7	1191.9	1211.3	1198.9	1144.1	1107.0	1082.2	1045.1	1023.9	1025.6
72.5°	969.1	993.8	1029.2	1059.2	1032.7	988.5	930.2	900.1	852.3	829.4	831.1
75°	739.2	765.7	799.3	831.1	809.9	755.1	718.0	687.9	633.1	606.5	611.8
77.5°	509.3	523.4	564.1	562.3	555.3	539.3	484.5	449.2	392.6	360.7	364.3
80°	316.5	325.4	344.8	353.7	350.1	328.9	284.7	258.2	224.6	205.1	206.9
82.5°	191.0	196.3	214.0	215.7	214.0	198.1	164.5	145.0	123.8	113.2	113.2
85°	97.3	100.8	111.4	111.4	100.8	84.9	76.0	67.2	54.8	49.5	49.5
87.5°	26.5	26.5	33.6	28.3	23.0	21.2	10.6	8.8	3.5	1.8	1.8
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)