

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: P635914

Luminaire Tested: GWS-SA3E-760-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-760-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22202.3 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
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

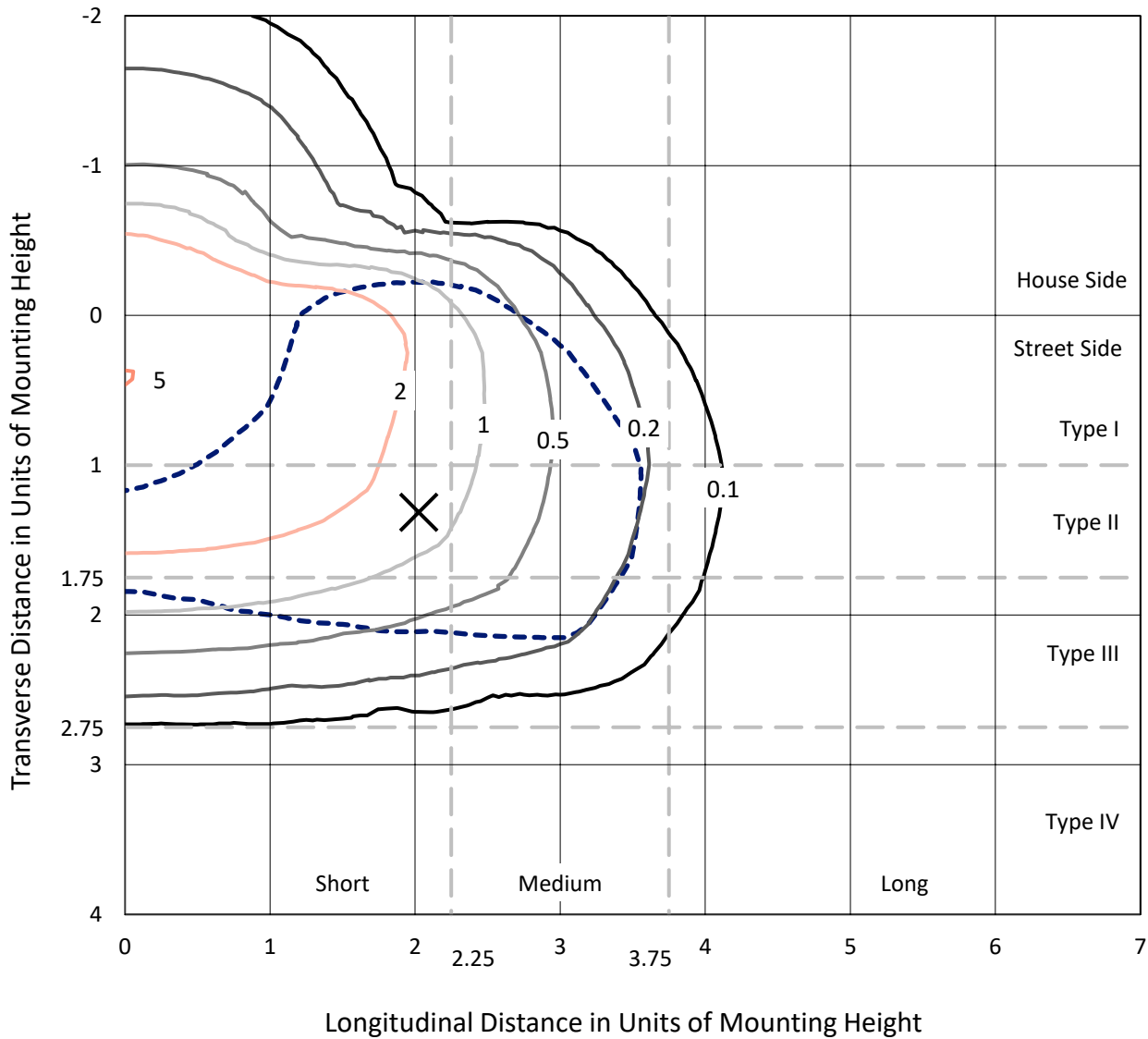


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### Iso-Footcandle Lines of Horizontal Illumination

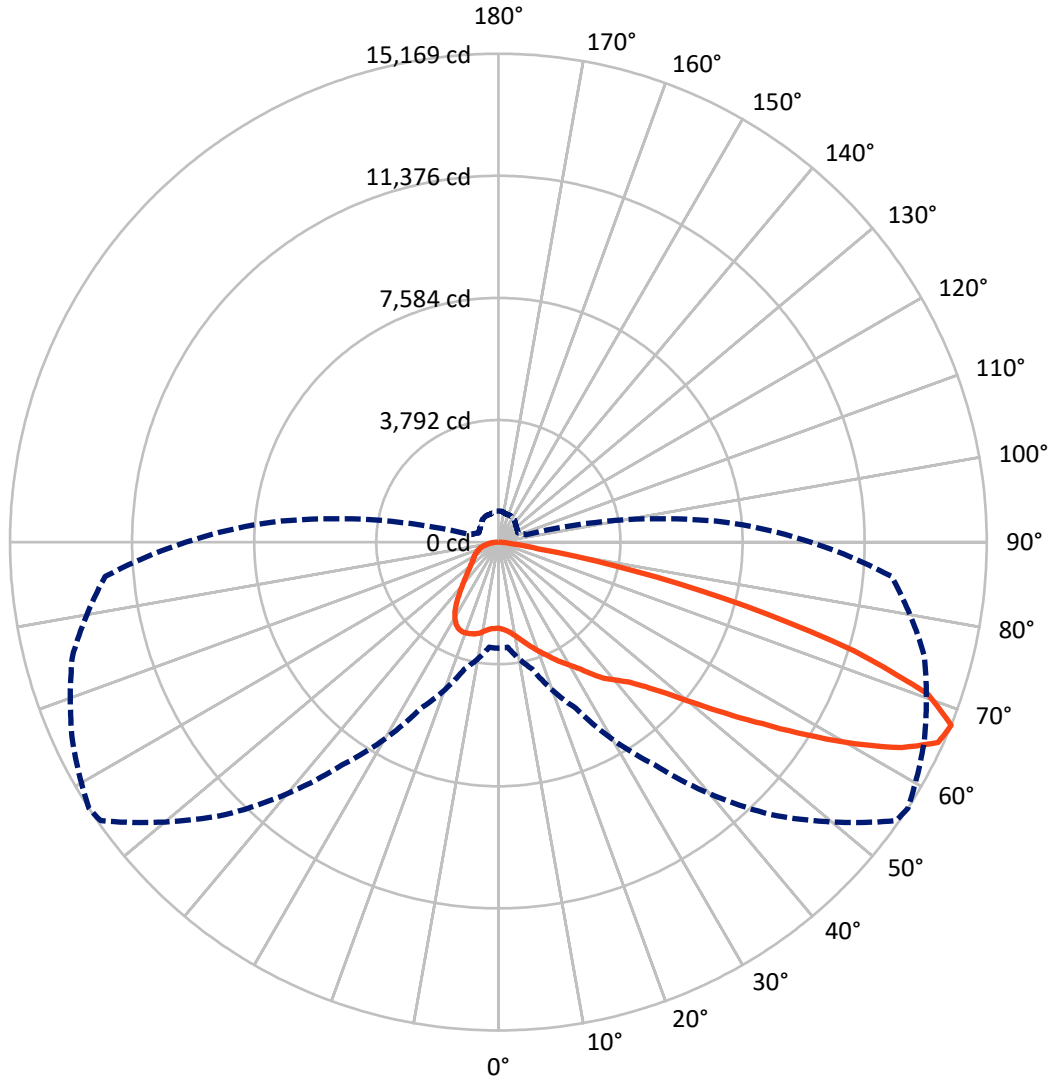
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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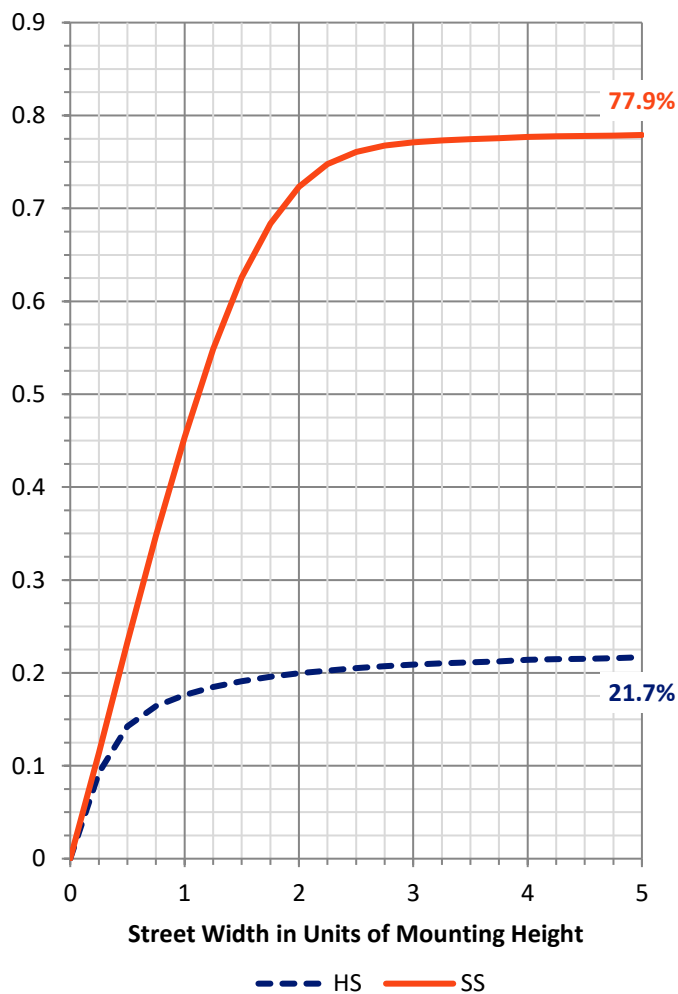
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4881.4	0.0	4881.4
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	17320.8	0.0	17320.8
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	22202.3	0.0	22202.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.3	1.2
10°-20°	878.4	4.0
20°-30°	1566.0	7.1
30°-40°	2276.7	10.3
40°-50°	3295.2	14.8
50°-60°	5156.8	23.2
60°-70°	6015.8	27.1
70°-80°	2511.2	11.3
80°-90°	237.0	1.1
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°	22202.3	100.0
0°-180°	22202.3	100.0

**Coefficient of Utilization**



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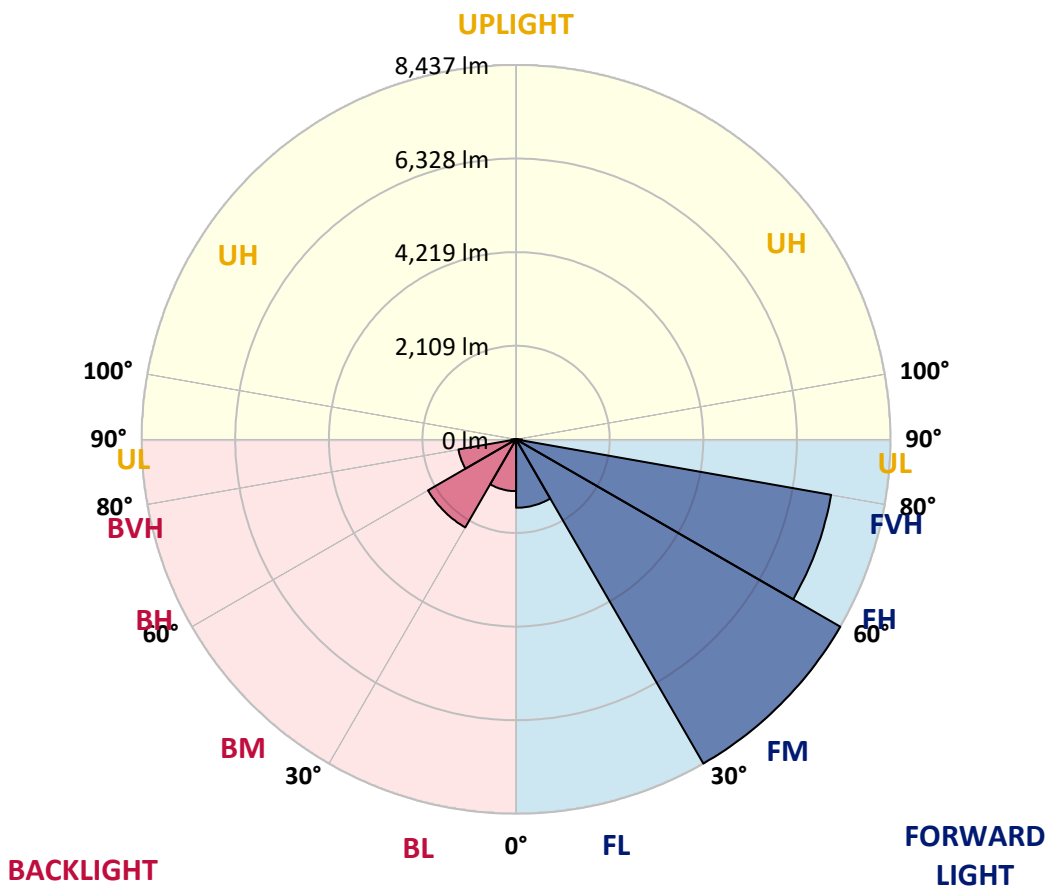
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1542.2	6.9			
FM (30°-60°)	8437.2	38.0			
FH (60°-80°)	7209.5	32.5			G3/7500
FVH (80°-90°)	132.0	0.6			G2/225
BL (0°-30°)	1167.5	5.3	B3/2500		
BM (30°-60°)	2291.5	10.3	B2/2500		
BH (60°-80°)	1317.5	5.9	B3/2500		G3/2500
BVH (80°-90°)	105.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2
2.5°	2713.4	2710.2	2708.6	2718.2	2715.0	2713.4	2713.4	2711.8	2708.6	2695.9	2678.4
5°	2788.2	2781.8	2775.4	2783.4	2777.0	2770.7	2769.1	2765.9	2754.8	2735.7	2708.6
7.5°	2866.1	2859.7	2861.3	2866.1	2861.3	2858.1	2853.4	2850.2	2832.7	2802.5	2765.9
10°	2975.8	2975.8	2979.0	2983.8	2985.4	2980.6	2971.1	2966.3	2945.6	2907.4	2856.5
12.5°	3134.9	3131.7	3131.7	3128.5	3133.3	3128.5	3119.0	3111.0	3085.6	3036.3	2963.1
15°	3344.8	3332.1	3321.0	3300.3	3293.9	3276.4	3279.6	3274.8	3251.0	3184.2	3091.9
17.5°	3569.1	3567.5	3550.0	3508.6	3467.3	3438.7	3445.0	3443.4	3430.7	3340.1	3222.4
20°	3766.3	3774.3	3758.4	3726.5	3670.9	3616.8	3613.6	3621.6	3605.7	3515.0	3351.2
22.5°	3987.4	3981.0	3965.1	3923.8	3882.4	3825.2	3806.1	3799.7	3793.3	3690.0	3483.2
25°	4197.3	4216.4	4195.7	4157.6	4094.0	4031.9	4016.0	4022.4	4004.9	3868.1	3624.8
27.5°	4463.0	4470.9	4458.2	4405.7	4351.6	4264.1	4233.9	4233.9	4227.6	4035.1	3736.1
30°	4746.1	4768.3	4746.1	4703.1	4647.4	4521.8	4456.6	4450.2	4431.1	4206.9	3866.5
32.5°	5030.8	5046.7	5030.8	4989.4	4925.8	4816.0	4722.2	4707.9	4682.4	4394.6	4000.1
35°	5283.7	5298.0	5294.8	5304.3	5251.8	5113.5	5056.2	5049.8	4983.0	4639.5	4181.4
37.5°	5560.4	5577.9	5554.0	5573.1	5552.4	5422.0	5404.5	5372.7	5277.3	4870.1	4372.3
40°	5875.3	5891.2	5853.1	5861.0	5837.1	5764.0	5674.9	5632.0	5490.4	5119.8	4672.9
42.5°	6212.5	6249.1	6266.6	6252.3	6196.6	6155.2	5999.4	5945.3	5827.6	5569.9	5167.5
45°	6700.8	6754.9	6780.3	6743.7	6719.9	6661.0	6470.2	6405.0	6342.9	6204.6	5857.8
47.5°	7227.2	7276.6	7357.7	7373.6	7392.7	7348.1	7079.3	7015.7	7026.8	7010.9	6707.2
50°	7647.1	7688.5	7871.4	8067.0	8229.3	8242.0	7898.4	7830.0	7890.5	7941.4	7729.8
52.5°	7952.5	7989.1	8230.9	8634.8	9002.2	9274.2	8903.6	8825.7	8875.0	8989.5	8892.5
55°	8200.6	8251.5	8504.4	9124.7	9867.5	10296.9	10059.9	9961.3	9940.6	10082.2	10137.9
57.5°	8331.1	8347.0	8701.6	9508.0	10502.1	11300.5	11403.9	11292.6	11095.3	11173.3	11462.8
60°	8033.6	8060.7	8545.8	9606.6	11003.1	12296.2	12814.7	12722.4	12302.5	12345.5	12665.2
62.5°	7211.3	7249.5	7833.2	9137.4	11044.5	12961.0	14117.3	14058.5	13495.4	13263.2	13358.6
65°	5784.7	5797.4	6401.8	7976.4	10222.2	13043.7	15025.5	15011.2	14328.8	13784.9	13376.1
67.5°	3298.7	3276.4	4084.4	5689.2	8436.0	11968.5	15084.3	15168.6	14599.2	13699.0	12262.8
70°	1429.9	1433.0	1805.2	2807.2	5460.2	9673.4	14010.7	14155.5	13816.7	12269.1	9756.1
72.5°	661.6	671.2	831.8	1215.1	2331.7	6001.0	11424.6	11555.0	11263.9	9819.8	7098.4
75°	467.6	475.6	555.1	696.6	1072.0	2338.0	7642.4	7915.9	8057.5	7344.9	4677.7
77.5°	354.7	365.8	405.6	483.5	661.6	828.7	3656.6	4308.7	5132.6	4569.5	2409.6
80°	225.9	225.9	268.8	322.9	404.0	431.0	1056.1	1251.7	2511.4	1883.2	946.3
82.5°	152.7	157.5	182.9	205.2	232.2	244.9	453.3	483.5	725.3	641.0	389.7
85°	81.1	84.3	95.4	93.8	111.3	97.0	190.9	189.3	265.6	291.1	147.9
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	20.7	22.3	55.7	89.1	49.3
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°	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2
2.5°	2688.0	2668.9	2678.4	2675.2	2684.8	2684.8	2667.3	2662.5	2664.1	2645.0	2638.6
5°	2711.8	2689.5	2694.3	2688.0	2697.5	2705.4	2697.5	2697.5	2707.0	2692.7	2684.8
7.5°	2765.9	2740.4	2740.4	2732.5	2743.6	2750.0	2743.6	2753.2	2770.7	2756.3	2748.4
10°	2851.8	2821.6	2823.1	2813.6	2818.4	2815.2	2789.7	2781.8	2786.6	2773.8	2767.5
12.5°	2963.1	2921.8	2921.8	2902.7	2891.5	2858.1	2805.6	2786.6	2789.7	2778.6	2773.8
15°	3069.7	3031.5	3023.5	2985.4	2934.5	2872.4	2824.7	2812.0	2815.2	2804.1	2796.1
17.5°	3195.3	3146.0	3117.4	3047.4	2953.6	2889.9	2842.2	2812.0	2786.6	2761.1	2754.8
20°	3311.4	3249.4	3196.9	3088.8	2974.2	2886.8	2797.7	2722.9	2660.9	2627.5	2619.6
22.5°	3430.7	3351.2	3258.9	3117.4	2972.7	2829.5	2665.7	2552.8	2460.5	2411.2	2420.7
25°	3543.6	3443.4	3317.8	3144.4	2921.8	2702.3	2479.6	2311.0	2206.0	2167.9	2156.7
27.5°	3637.5	3513.4	3371.9	3131.7	2816.8	2519.4	2225.1	2037.4	1935.6	1892.7	1881.6
30°	3742.5	3602.5	3449.8	3072.9	2651.4	2263.3	1937.2	1784.5	1711.4	1670.0	1671.6
32.5°	3863.3	3717.0	3559.5	2959.9	2439.8	1986.5	1700.2	1595.3	1536.4	1495.1	1488.7
35°	4025.6	3880.8	3632.7	2789.7	2171.0	1732.1	1538.0	1452.1	1379.0	1324.9	1313.8
37.5°	4226.0	4127.4	3640.7	2562.3	1883.2	1557.1	1421.9	1329.7	1240.6	1169.0	1161.1
40°	4569.5	4456.6	3575.5	2277.6	1638.2	1444.2	1324.9	1218.3	1114.9	1035.4	1024.3
42.5°	5059.4	4827.2	3435.5	1956.3	1453.7	1355.1	1232.6	1097.4	992.5	936.8	928.9
45°	5682.9	5240.7	3225.5	1654.1	1316.9	1267.6	1135.6	994.1	938.4	898.6	890.7
47.5°	6446.3	5722.6	2983.8	1418.7	1210.4	1188.1	1037.0	959.1	909.8	876.4	868.4
50°	7359.3	6336.6	2785.0	1234.2	1114.9	1095.9	1005.2	938.4	898.6	871.6	865.2
52.5°	8401.0	7018.9	2688.0	1102.2	1032.2	1013.2	994.1	933.6	900.2	879.5	871.6
55°	9482.6	7737.8	2597.3	1000.4	962.3	973.4	995.7	949.5	924.1	897.0	889.1
57.5°	10527.5	8412.2	2374.6	920.9	911.4	954.3	1003.6	965.4	935.2	908.2	898.6
60°	11248.0	8781.2	1997.7	857.3	873.2	930.4	982.9	941.6	903.4	892.3	887.5
62.5°	11442.1	8736.6	1550.7	792.1	827.1	878.0	928.9	901.8	862.1	879.5	881.1
65°	10988.8	8259.5	1164.2	728.5	766.6	809.6	873.2	862.1	847.7	895.5	897.0
67.5°	9705.2	7087.3	887.5	672.8	704.6	757.1	855.7	901.8	905.0	965.4	959.1
70°	7343.4	5294.8	695.0	620.3	656.9	757.1	911.4	932.0	893.9	949.5	936.8
72.5°	5076.9	3494.3	591.7	574.2	598.0	722.1	909.8	909.8	868.4	868.4	844.6
75°	3154.0	2054.9	515.3	515.3	515.3	631.4	884.3	838.2	765.0	731.6	712.5
77.5°	1557.1	998.8	432.6	448.5	431.0	528.0	722.1	685.5	641.0	606.0	593.3
80°	664.8	499.4	349.9	367.4	346.7	397.6	572.6	564.6	521.7	475.6	461.2
82.5°	305.4	257.7	279.9	287.9	252.9	299.0	418.3	418.3	394.4	330.8	307.0
85°	130.4	136.8	194.0	194.0	159.1	168.6	224.3	213.1	190.9	155.9	143.1
87.5°	44.5	66.8	98.6	85.9	33.4	14.3	8.0	3.2	0.0	0.0	0.0
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)