

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: P635362

Luminaire Tested: GWS-SA3D-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635362  
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-SA3D-750-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

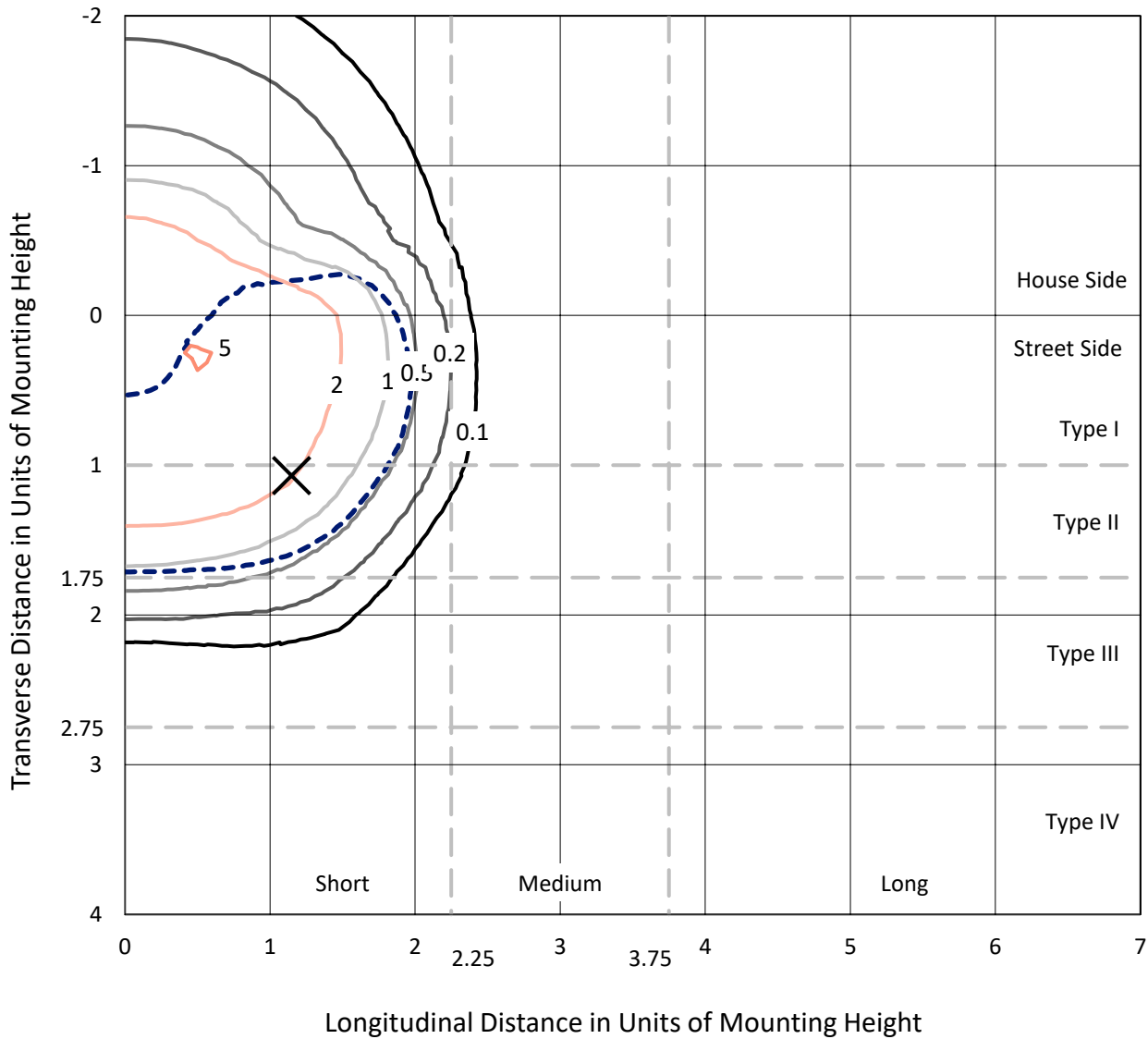
Lumens per Lamp: N/A  
Luminaire Lumens: 15364.3 lumens  
Efficiency: N/A  
Efficacy: 127.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

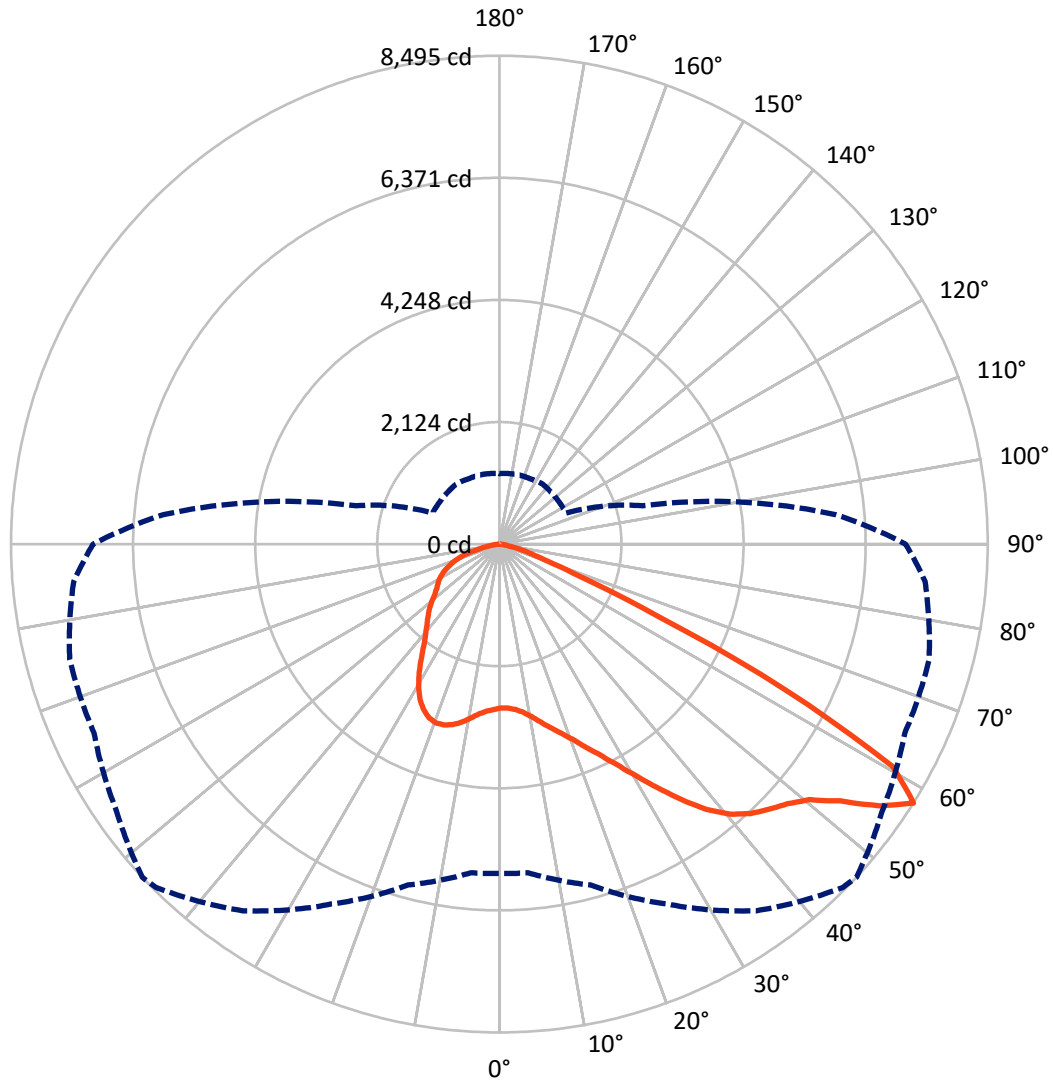
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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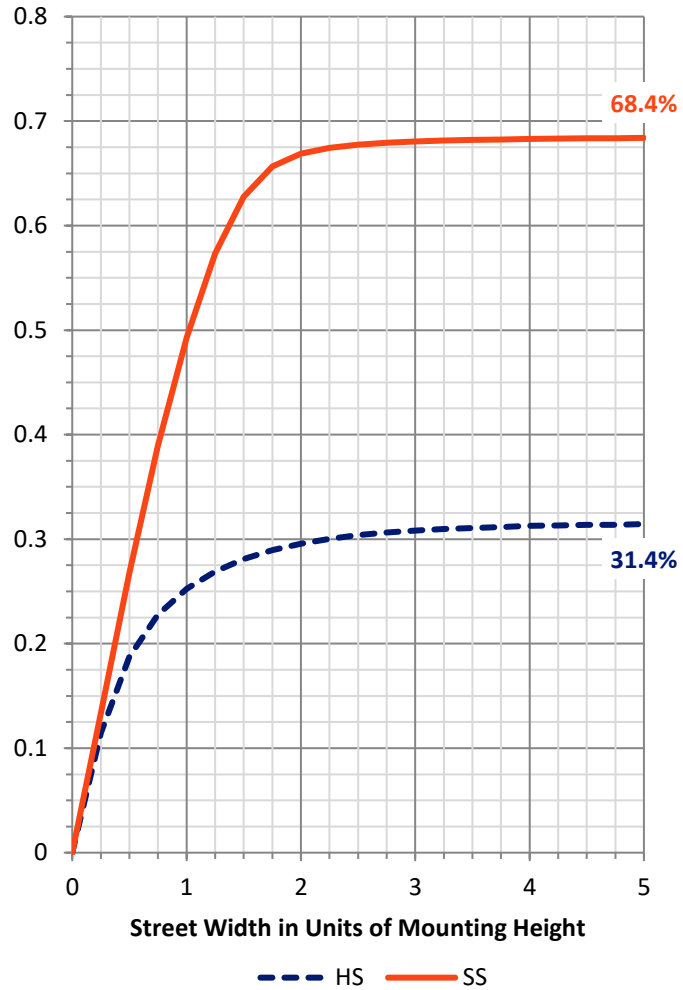
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4862.8	0.0	4862.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	10501.5	0.0	10501.5
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	15364.3	0.0	15364.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.0	1.8
10°-20°	924.3	6.0
20°-30°	1664.4	10.8
30°-40°	2513.8	16.4
40°-50°	3385.2	22.0
50°-60°	4067.8	26.5
60°-70°	1981.1	12.9
70°-80°	488.1	3.2
80°-90°	58.7	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°	15364.3	100.0
0°-180°	15364.3	100.0

**Coefficient of Utilization**



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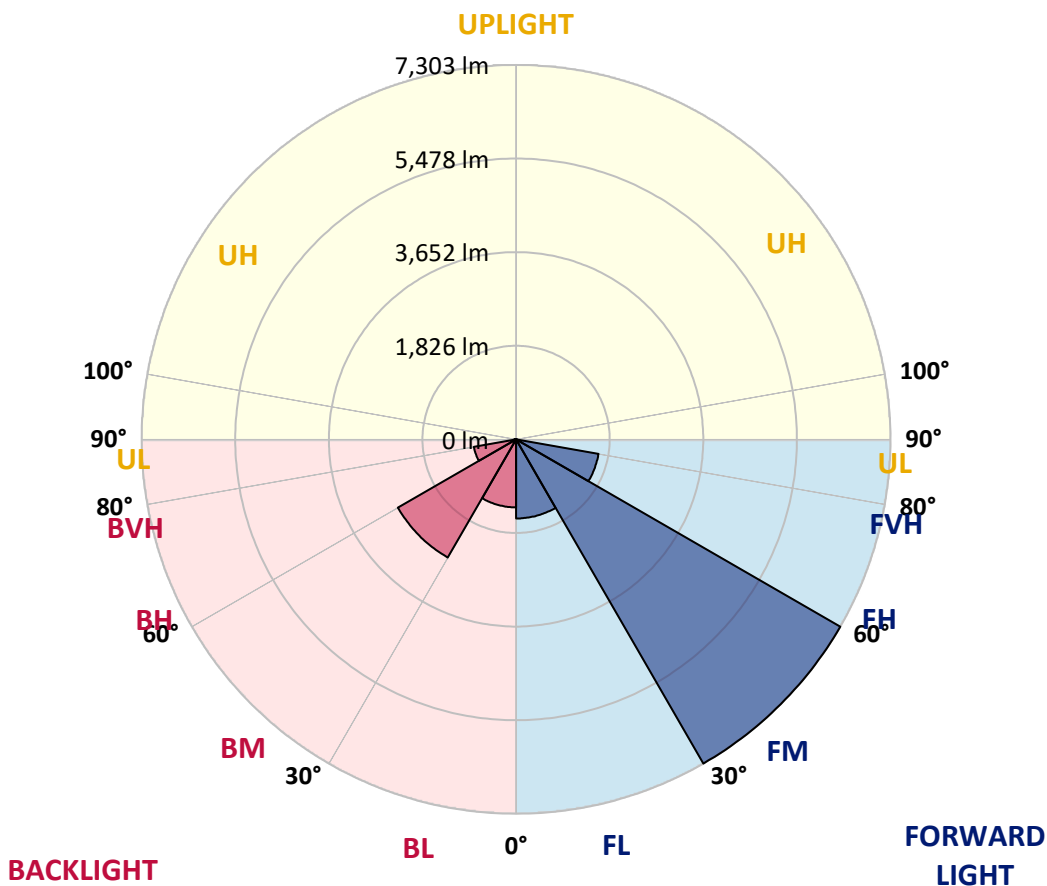
CATALOG NUMBER: GWS-SA3D-750-U-T3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1543.3	10.0			
FM (30°-60°)	7303.5	47.5			
FH (60°-80°)	1632.8	10.6			G1/1800
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	1326.5	8.6	B3/2500		
BM (30°-60°)	2663.3	17.3	B3/5000		
BH (60°-80°)	836.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	36.6	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3
2.5°	2844.2	2842.9	2842.9	2850.6	2850.6	2853.2	2857.1	2860.9	2862.2	2855.8	2841.6
5°	2875.1	2875.1	2875.1	2881.6	2881.6	2884.2	2889.3	2890.6	2889.3	2879.0	2864.8
7.5°	2924.2	2924.2	2925.5	2933.2	2939.7	2943.5	2952.6	2951.3	2947.4	2930.6	2912.6
10°	3004.2	3008.1	3011.9	3021.0	3033.9	3042.9	3049.4	3049.4	3044.2	3018.4	2995.2
12.5°	3117.7	3122.9	3126.8	3134.5	3144.8	3160.3	3174.5	3174.5	3168.1	3135.8	3101.0
15°	3250.7	3255.8	3254.5	3257.1	3276.5	3298.4	3310.0	3317.8	3320.3	3275.2	3221.0
17.5°	3402.9	3408.1	3402.9	3395.2	3397.8	3432.6	3453.3	3481.7	3498.4	3437.8	3351.3
20°	3541.0	3535.9	3535.9	3541.0	3548.8	3591.3	3622.3	3668.8	3689.4	3615.9	3481.7
22.5°	3686.8	3698.5	3693.3	3693.3	3724.3	3795.2	3832.7	3893.3	3915.3	3819.8	3639.1
25°	3875.2	3885.6	3883.0	3885.6	3921.7	4022.4	4059.8	4172.1	4194.0	4057.2	3813.3
27.5°	4081.7	4098.5	4106.2	4103.7	4161.7	4293.4	4339.8	4496.0	4536.0	4323.0	3999.1
30°	4350.1	4368.2	4374.7	4372.1	4440.5	4619.8	4672.7	4850.8	4907.6	4637.9	4235.3
32.5°	4661.1	4679.2	4698.6	4706.3	4794.1	4977.3	5053.4	5238.0	5319.3	5001.8	4520.5
35°	4969.6	4985.0	5022.5	5083.1	5203.1	5390.2	5457.3	5639.3	5718.0	5379.9	4865.0
37.5°	5310.2	5320.6	5352.8	5436.7	5609.6	5787.7	5854.8	6029.0	6038.1	5745.1	5254.7
40°	5683.2	5683.2	5676.7	5759.3	5940.0	6119.4	6177.4	6278.1	6225.2	6026.4	5634.1
42.5°	5999.3	5994.2	5999.3	6076.8	6211.0	6356.8	6407.1	6387.8	6320.7	6241.9	5977.4
45°	6284.5	6288.4	6334.9	6394.2	6463.9	6550.4	6580.0	6470.4	6409.7	6414.9	6252.3
47.5°	6478.1	6482.0	6590.4	6689.7	6732.3	6759.4	6746.5	6594.2	6563.3	6621.3	6463.9
50°	6503.9	6524.6	6711.7	6915.6	7021.4	7025.3	6989.1	6803.3	6794.3	6860.1	6577.5
52.5°	6509.1	6529.7	6763.3	7131.1	7405.9	7464.0	7422.7	7229.1	7134.9	7069.1	6716.8
55°	6489.7	6512.9	6771.0	7275.6	7802.1	8034.4	8038.3	7764.7	7464.0	7420.1	7114.3
57.5°	5729.6	5738.7	6138.7	6907.8	7786.6	8444.8	8495.1	8123.4	7780.2	7738.9	7433.0
60°	3991.4	4027.5	4462.4	5478.0	6541.3	7701.5	7864.1	7755.7	7526.0	7225.3	6377.4
62.5°	1998.9	2029.9	2466.1	3426.2	4511.4	5427.7	5601.9	5716.7	5770.9	5448.3	4342.4
65°	860.7	884.0	1155.0	1789.9	2553.8	2996.4	3057.1	3195.2	3533.3	3152.6	2339.6
67.5°	575.5	591.0	729.1	1091.7	1504.7	1533.1	1524.0	1553.7	1627.3	1343.4	1056.9
70°	441.3	454.2	547.2	800.1	1081.4	925.3	876.2	794.9	863.3	880.1	856.9
72.5°	320.0	330.4	400.0	545.9	677.5	591.0	583.3	624.6	717.5	743.3	729.1
75°	206.5	211.6	254.2	299.4	349.7	379.4	394.9	469.7	563.9	583.3	566.5
77.5°	138.1	142.0	166.5	192.3	198.7	200.0	205.2	238.7	303.3	339.4	335.5
80°	72.3	72.3	81.3	81.3	92.9	111.0	116.1	138.1	167.8	185.8	187.1
82.5°	28.4	29.7	34.8	38.7	46.5	56.8	60.7	72.3	87.8	100.7	112.3
85°	11.6	12.9	14.2	16.8	20.6	25.8	27.1	31.0	41.3	51.6	58.1
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	3.9	5.2	6.5	11.6	15.5
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°	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3	2849.3
2.5°	2858.4	2841.6	2858.4	2863.5	2877.7	2882.9	2873.9	2872.6	2872.6	2859.7	2855.8
5°	2877.7	2862.2	2879.0	2886.8	2907.4	2920.3	2922.9	2933.2	2939.7	2934.5	2933.2
7.5°	2925.5	2906.1	2924.2	2935.8	2962.9	2983.5	2992.6	3015.8	3032.6	3030.0	3028.7
10°	3009.3	2983.5	3004.2	3023.5	3053.2	3077.7	3079.0	3091.9	3108.7	3103.6	3101.0
12.5°	3106.1	3081.6	3104.8	3124.2	3159.0	3169.4	3152.6	3147.4	3150.0	3143.6	3138.4
15°	3224.9	3190.0	3210.7	3232.6	3252.0	3240.3	3204.2	3190.0	3188.7	3179.7	3174.5
17.5°	3343.6	3299.7	3315.2	3326.8	3317.8	3281.6	3236.5	3212.0	3200.3	3182.3	3177.1
20°	3461.0	3405.5	3402.9	3393.9	3352.6	3286.8	3226.1	3177.1	3147.4	3122.9	3113.9
22.5°	3595.2	3517.8	3479.1	3437.8	3347.4	3240.3	3148.7	3079.0	3031.3	3000.3	2990.0
25°	3739.7	3630.1	3550.1	3467.5	3295.8	3141.0	3013.2	2917.7	2860.9	2827.4	2815.8
27.5°	3883.0	3732.0	3612.0	3471.3	3192.6	2997.7	2826.1	2697.1	2640.3	2613.2	2604.1
30°	4076.6	3867.5	3685.5	3421.0	3057.1	2799.0	2584.8	2454.5	2417.0	2397.7	2389.9
32.5°	4299.8	4039.1	3783.6	3315.2	2884.2	2566.7	2340.9	2250.6	2224.7	2187.3	2186.0
35°	4594.0	4284.3	3876.5	3159.0	2666.1	2317.7	2153.8	2089.3	2042.8	1983.4	1978.3
37.5°	4937.3	4590.2	3926.9	2960.3	2411.9	2112.5	2014.4	1942.1	1867.3	1788.6	1778.3
40°	5292.2	4947.6	3930.7	2725.4	2162.8	1977.0	1894.4	1800.2	1707.3	1619.5	1607.9
42.5°	5665.1	5280.6	3862.3	2454.5	1958.9	1859.6	1775.7	1656.9	1552.4	1493.1	1486.6
45°	5998.0	5549.0	3707.5	2169.3	1807.9	1761.5	1654.4	1526.6	1471.1	1428.5	1419.5
47.5°	6260.0	5727.1	3498.4	1913.7	1685.3	1660.8	1521.5	1455.6	1413.1	1374.3	1365.3
50°	6389.1	5767.1	3226.1	1706.0	1571.8	1542.1	1446.6	1396.3	1367.9	1336.9	1329.2
52.5°	6549.1	5812.2	2991.3	1531.8	1460.8	1420.8	1384.7	1344.7	1324.0	1304.7	1298.2
55°	6916.9	5982.6	2867.4	1392.4	1355.0	1336.9	1331.8	1298.2	1291.7	1278.8	1267.2
57.5°	7066.5	5872.9	2574.5	1278.8	1271.1	1273.7	1286.6	1255.6	1249.2	1233.7	1225.9
60°	5683.2	4439.2	1743.4	1180.8	1201.4	1218.2	1231.1	1200.1	1191.1	1188.5	1178.2
62.5°	3641.7	2730.6	1216.9	1089.1	1120.1	1140.8	1148.5	1118.8	1112.4	1133.0	1134.3
65°	1895.7	1487.9	987.2	991.1	1016.9	1047.9	1063.3	1053.0	1050.4	1072.4	1073.7
67.5°	967.8	909.8	860.7	874.9	895.6	935.6	971.7	1016.9	1032.4	1034.9	1036.2
70°	824.6	798.8	774.3	783.3	805.2	827.2	862.0	884.0	858.2	851.7	849.1
72.5°	702.0	682.7	671.0	681.4	693.0	689.1	678.8	689.1	693.0	694.3	695.6
75°	545.9	531.7	522.6	523.9	523.9	509.7	490.4	478.8	465.9	455.5	455.5
77.5°	334.2	336.8	345.8	344.6	343.3	338.1	318.7	308.4	277.4	268.4	268.4
80°	191.0	194.9	203.9	206.5	206.5	200.0	180.7	169.1	154.9	148.4	147.1
82.5°	116.1	121.3	126.5	129.0	130.3	122.6	105.8	96.8	89.0	82.6	82.6
85°	60.7	63.2	68.4	69.7	65.8	58.1	49.0	45.2	37.4	36.1	36.1
87.5°	16.8	18.1	20.6	16.8	15.5	11.6	6.5	5.2	2.6	1.3	1.3
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)