

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: P635313

Luminaire Tested: GWS-SA3D-740-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17890.2 lumens  
Efficiency: N/A  
Efficacy: 148.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
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

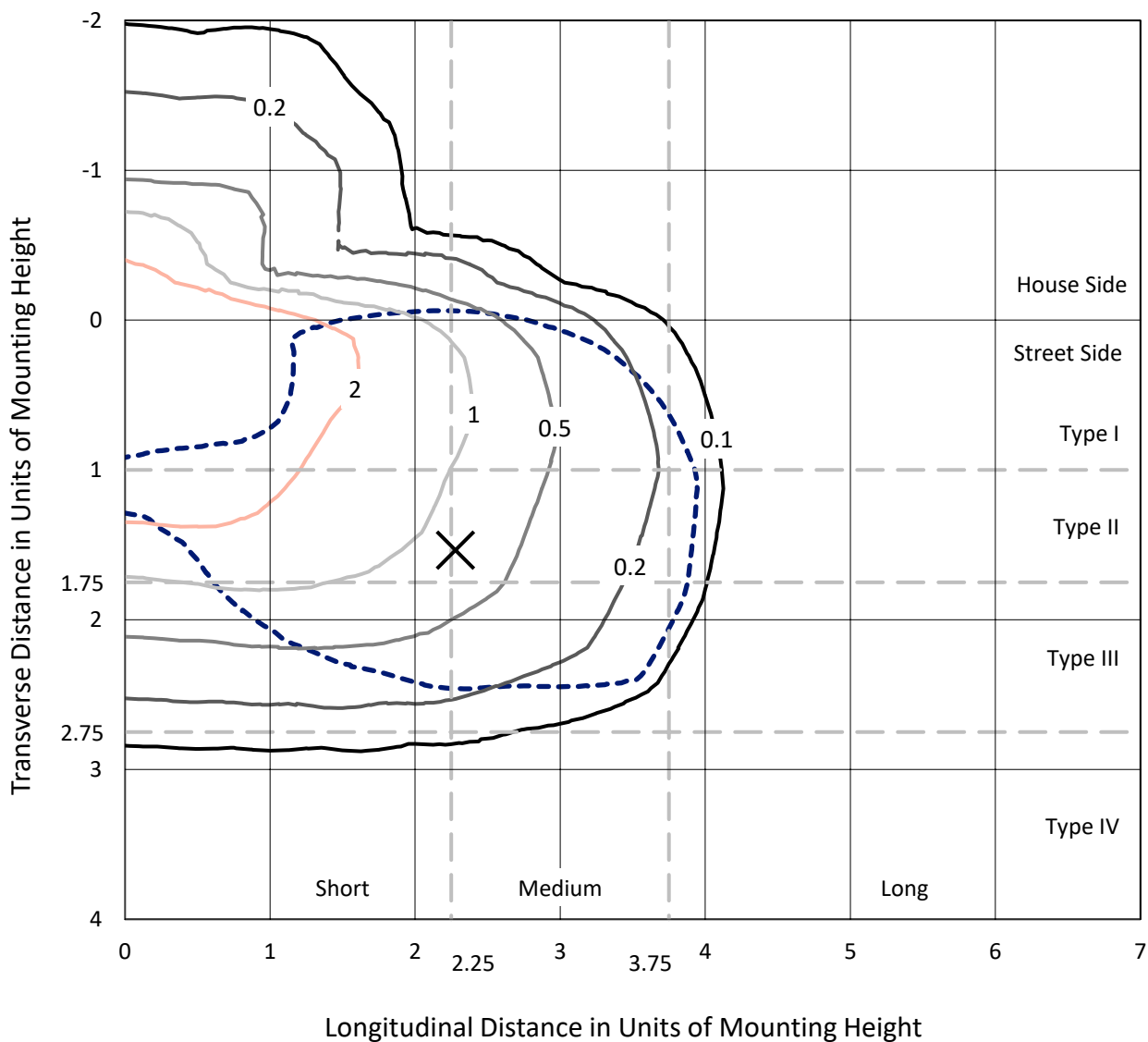


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### Iso-Footcandle Lines of Horizontal Illumination

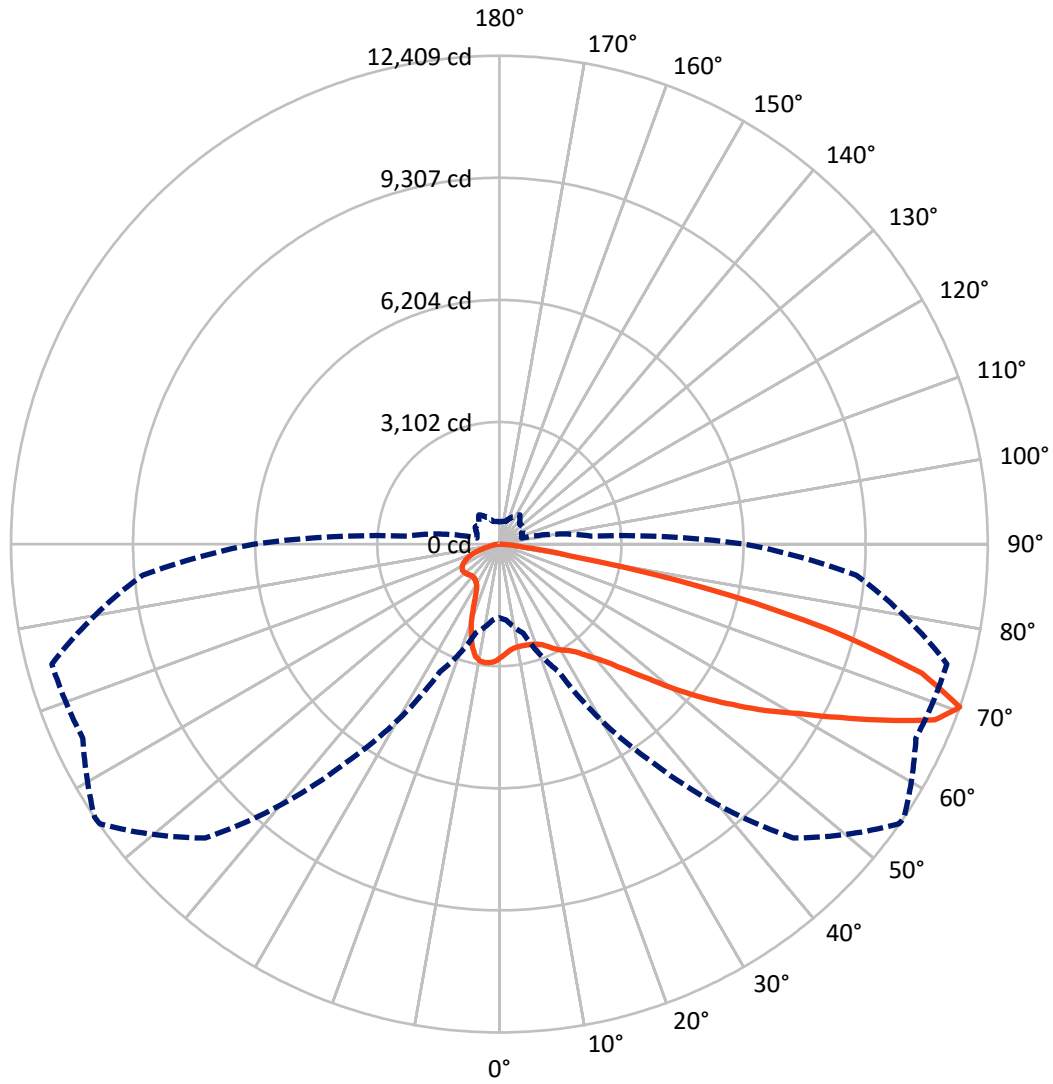
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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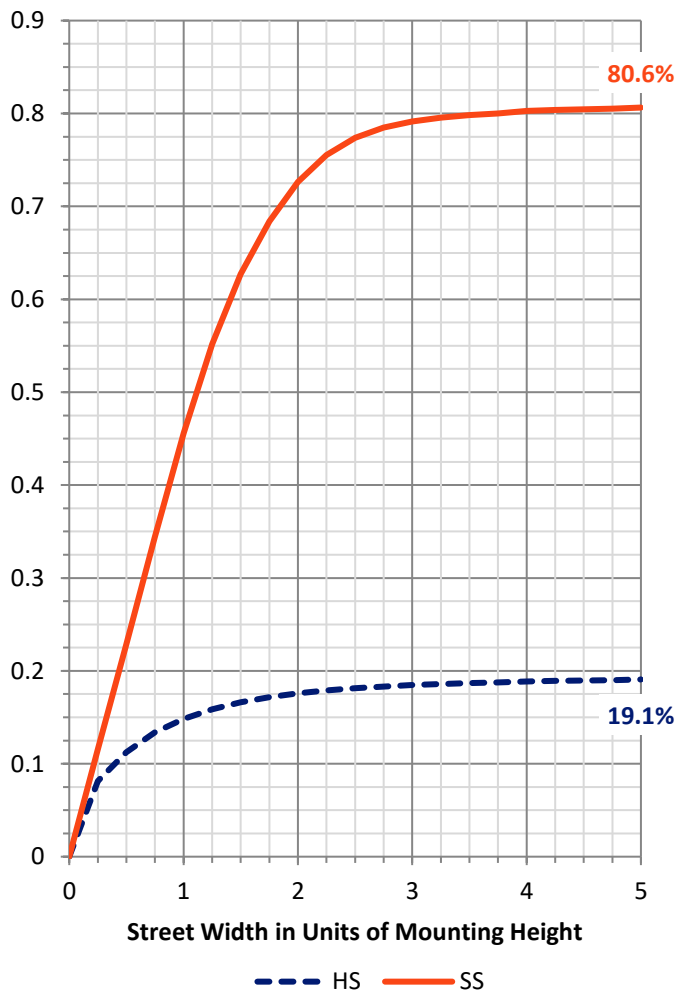
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3439.4	0.0	3439.4
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	14450.8	0.0	14450.8
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	17890.2	0.0	17890.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.2	1.5
10°-20°	724.1	4.0
20°-30°	1197.1	6.7
30°-40°	1789.8	10.0
40°-50°	2663.5	14.9
50°-60°	3786.7	21.2
60°-70°	4689.9	26.2
70°-80°	2589.6	14.5
80°-90°	182.4	1.0
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°	17890.2	100.0
0°-180°	17890.2	100.0

**Coefficient of Utilization**



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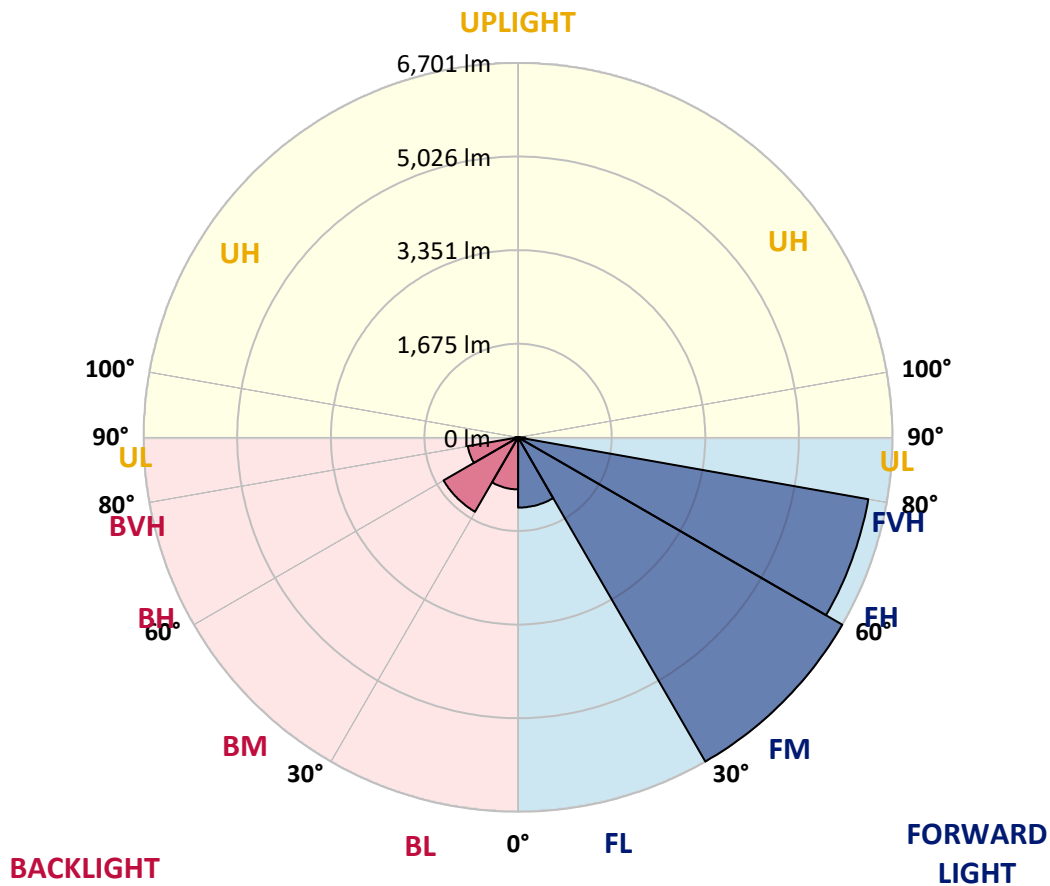
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1257.3	7.0			
FM (30°-60°)	6701.4	37.5			
FH (60°-80°)	6365.3	35.6			G3/7500
FVH (80°-90°)	126.7	0.7			G2/225
BL (0°-30°)	931.1	5.2	B2/1000		
BM (30°-60°)	1538.5	8.6	B2/2500		
BH (60°-80°)	914.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	55.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8
2.5°	2702.3	2687.2	2704.8	2713.7	2736.4	2769.2	2798.2	2799.4	2814.6	2851.2	2886.5
5°	2579.9	2572.4	2577.4	2603.9	2627.9	2669.5	2713.7	2717.4	2760.3	2832.2	2902.9
7.5°	2485.3	2475.2	2494.1	2528.2	2558.5	2605.2	2663.2	2668.2	2728.8	2837.3	2945.8
10°	2349.1	2341.5	2376.8	2422.2	2487.8	2564.8	2641.7	2648.1	2727.5	2870.1	3021.5
12.5°	2289.8	2289.8	2304.9	2347.8	2419.7	2521.9	2638.0	2648.1	2747.7	2920.6	3118.6
15°	2381.9	2388.2	2375.6	2373.0	2402.0	2499.2	2643.0	2658.1	2785.6	2972.3	3214.5
17.5°	2567.3	2573.6	2540.8	2489.1	2460.1	2520.6	2661.9	2678.3	2825.9	3029.1	3318.0
20°	2827.2	2834.8	2762.9	2683.4	2583.7	2582.5	2698.5	2713.7	2877.7	3090.9	3427.7
22.5°	3131.2	3136.3	3045.5	2919.3	2766.6	2697.3	2761.6	2776.7	2944.5	3176.7	3546.3
25°	3483.2	3498.4	3388.6	3205.7	2998.8	2855.0	2866.3	2884.0	3064.4	3291.5	3686.3
27.5°	3859.2	3878.1	3751.9	3550.1	3265.0	3029.1	3001.3	3016.4	3191.8	3362.1	3760.8
30°	4244.0	4257.8	4131.7	3900.8	3551.3	3225.9	3114.8	3123.7	3247.3	3396.2	3836.5
32.5°	4671.6	4660.3	4539.2	4273.0	3881.9	3461.8	3220.8	3218.3	3309.1	3464.3	3945.0
35°	5072.8	5089.2	4960.5	4666.6	4245.2	3753.2	3379.8	3369.7	3440.3	3575.3	4097.6
37.5°	5558.5	5553.5	5399.6	5081.6	4609.8	4032.0	3603.1	3585.4	3610.6	3748.2	4310.8
40°	5905.4	5940.8	5841.1	5544.6	5036.2	4375.2	3864.2	3825.1	3831.4	3961.4	4595.9
42.5°	6189.3	6222.1	6232.2	6043.0	5524.5	4799.0	4189.7	4150.6	4154.4	4338.6	4946.6
45°	6407.6	6451.7	6594.3	6538.8	6074.5	5288.5	4630.0	4589.6	4592.1	4796.5	5370.5
47.5°	6497.1	6545.1	6834.0	6966.4	6658.6	5873.9	5177.5	5118.2	5127.1	5352.9	5855.0
50°	6468.1	6532.5	6923.5	7295.7	7148.1	6469.4	5832.3	5790.6	5756.6	6084.6	6381.1
52.5°	6218.3	6289.0	6914.7	7505.1	7548.0	7032.0	6508.5	6484.5	6476.9	6861.7	6969.0
55°	5482.8	5601.4	6610.7	7560.6	7860.9	7561.9	7241.5	7201.1	7240.2	7694.4	7563.2
57.5°	5075.3	5163.6	6015.2	7498.8	8117.0	8066.5	7973.2	7977.0	8021.1	8598.9	8283.5
60°	4843.2	4946.6	5684.7	7329.8	8363.0	8679.7	8739.0	8739.0	8818.4	9574.1	9015.2
62.5°	4535.4	4640.1	5375.6	7004.3	8590.1	9401.3	9701.5	9697.8	9729.3	10620.0	9730.6
65°	3910.9	4008.0	4754.9	6490.8	8701.1	10196.1	10795.3	10784.0	10720.9	11551.0	10203.6
67.5°	2839.8	2931.9	3642.2	5514.4	8301.2	10837.0	11921.9	11927.0	11549.8	12137.6	10228.9
70°	1872.2	1935.3	2341.5	3581.6	6750.7	10560.7	12393.7	12408.9	11677.2	11771.8	9103.6
72.5°	1168.2	1212.4	1462.2	2135.9	3989.1	8359.2	11182.6	11224.3	10505.2	10344.9	7479.9
75°	775.9	806.1	972.7	1245.2	1845.7	4524.0	8500.5	8634.2	8419.8	8109.4	5211.6
77.5°	466.8	492.0	619.4	791.0	817.5	1767.5	4961.8	5307.5	5337.7	4233.9	2182.5
80°	213.2	242.2	341.9	451.6	435.2	615.7	1749.8	1830.6	2159.8	1344.8	688.8
82.5°	126.2	138.8	227.1	224.6	185.5	299.0	629.5	645.9	548.8	492.0	293.9
85°	50.5	59.3	95.9	84.5	68.1	97.1	237.2	248.5	238.4	214.5	108.5
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	21.4	22.7	32.8	59.3	32.8
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°	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8	2887.8
2.5°	2909.2	2901.6	2939.5	2968.5	2981.1	2993.7	2982.4	2978.6	2978.6	2953.4	2940.7
5°	2940.7	2944.5	2996.2	3020.2	3020.2	3010.1	2979.8	2958.4	2950.8	2918.0	2909.2
7.5°	3000.0	3016.4	3064.4	3063.1	3027.8	2972.3	2896.6	2838.6	2785.6	2762.9	2749.0
10°	3097.2	3118.6	3151.4	3098.4	3000.0	2853.7	2693.5	2567.3	2491.6	2431.1	2431.1
12.5°	3208.2	3228.4	3222.1	3099.7	2896.6	2622.8	2392.0	2246.9	2140.9	2085.4	2085.4
15°	3319.2	3335.6	3267.5	3041.7	2680.9	2316.3	2063.9	1889.8	1797.7	1746.0	1746.0
17.5°	3431.5	3430.2	3286.4	2907.9	2399.5	1976.9	1729.6	1594.6	1563.1	1554.3	1553.0
20°	3540.0	3511.0	3262.4	2684.6	2072.8	1635.0	1478.6	1487.4	1534.1	1554.3	1556.8
22.5°	3662.4	3590.5	3191.8	2399.5	1701.9	1397.8	1407.9	1481.1	1549.2	1579.5	1583.3
25°	3787.3	3658.6	3073.2	2065.2	1391.5	1310.8	1389.0	1471.0	1548.0	1587.1	1590.9
27.5°	3837.7	3658.6	2871.4	1677.9	1226.3	1274.2	1360.0	1439.5	1520.2	1565.6	1574.5
30°	3879.4	3627.0	2588.8	1328.4	1158.1	1238.9	1313.3	1386.5	1466.0	1521.5	1531.6
32.5°	3937.4	3599.3	2246.9	1116.5	1126.6	1204.8	1256.5	1318.3	1390.3	1426.8	1423.1
35°	4005.5	3556.4	1834.3	1015.6	1100.1	1175.8	1212.4	1249.0	1216.2	1214.9	1218.7
37.5°	4102.7	3518.5	1474.8	970.2	1082.4	1155.6	1185.9	1107.7	1062.2	1043.3	1035.8
40°	4242.7	3503.4	1163.2	943.7	1079.9	1154.3	1132.9	1011.8	950.0	884.4	883.1
42.5°	4419.3	3492.0	961.3	931.0	1088.7	1183.4	1059.7	948.7	821.3	792.3	789.7
45°	4646.4	3474.4	860.4	928.5	1110.2	1206.1	1052.2	861.7	774.6	762.0	762.0
47.5°	4920.2	3446.6	815.0	928.5	1134.2	1196.0	1029.4	842.7	753.2	767.0	775.9
50°	5234.3	3411.3	791.0	926.0	1158.1	1196.0	981.5	838.9	748.1	820.0	849.0
52.5°	5569.9	3370.9	774.6	915.9	1174.5	1197.2	984.0	851.6	753.2	832.6	856.6
55°	5940.8	3364.6	751.9	894.5	1179.6	1164.4	990.3	879.3	760.7	754.4	755.7
57.5°	6408.8	3440.3	735.5	862.9	1159.4	1097.6	1003.0	899.5	751.9	753.2	762.0
60°	6898.3	3582.9	749.4	832.6	1117.8	1034.5	1011.8	889.4	709.0	688.8	691.3
62.5°	7314.6	3691.4	760.7	818.8	1057.2	979.0	1003.0	866.7	685.0	680.0	691.3
65°	7488.7	3601.8	733.0	789.7	968.9	910.9	984.0	837.7	664.9	645.9	647.2
67.5°	7295.7	3181.7	678.7	725.4	869.2	823.8	953.8	799.8	637.1	614.4	609.3
70°	6232.2	2337.7	585.4	623.2	748.1	721.6	907.1	750.6	592.9	576.5	565.2
72.5°	5022.3	1655.2	485.7	495.8	586.6	608.1	826.3	688.8	542.5	495.8	479.4
75°	3495.8	1039.5	405.0	394.9	423.9	464.3	644.7	571.5	468.0	418.8	403.7
77.5°	1503.8	533.6	316.7	311.6	282.6	321.7	494.5	476.9	392.4	335.6	326.7
80°	503.4	309.1	228.3	219.5	188.0	225.8	348.2	381.0	307.8	248.5	233.4
82.5°	252.3	179.1	145.1	131.2	126.2	142.6	205.6	237.2	213.2	171.6	145.1
85°	123.6	102.2	79.5	78.2	65.6	61.8	85.8	100.9	95.9	70.6	66.9
87.5°	45.4	40.4	25.2	20.2	12.6	8.8	5.0	5.0	3.8	3.8	3.8
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)