

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: P641528

Luminaire Tested: GWS-SA6B-722-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641528  
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-SA6B-722-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

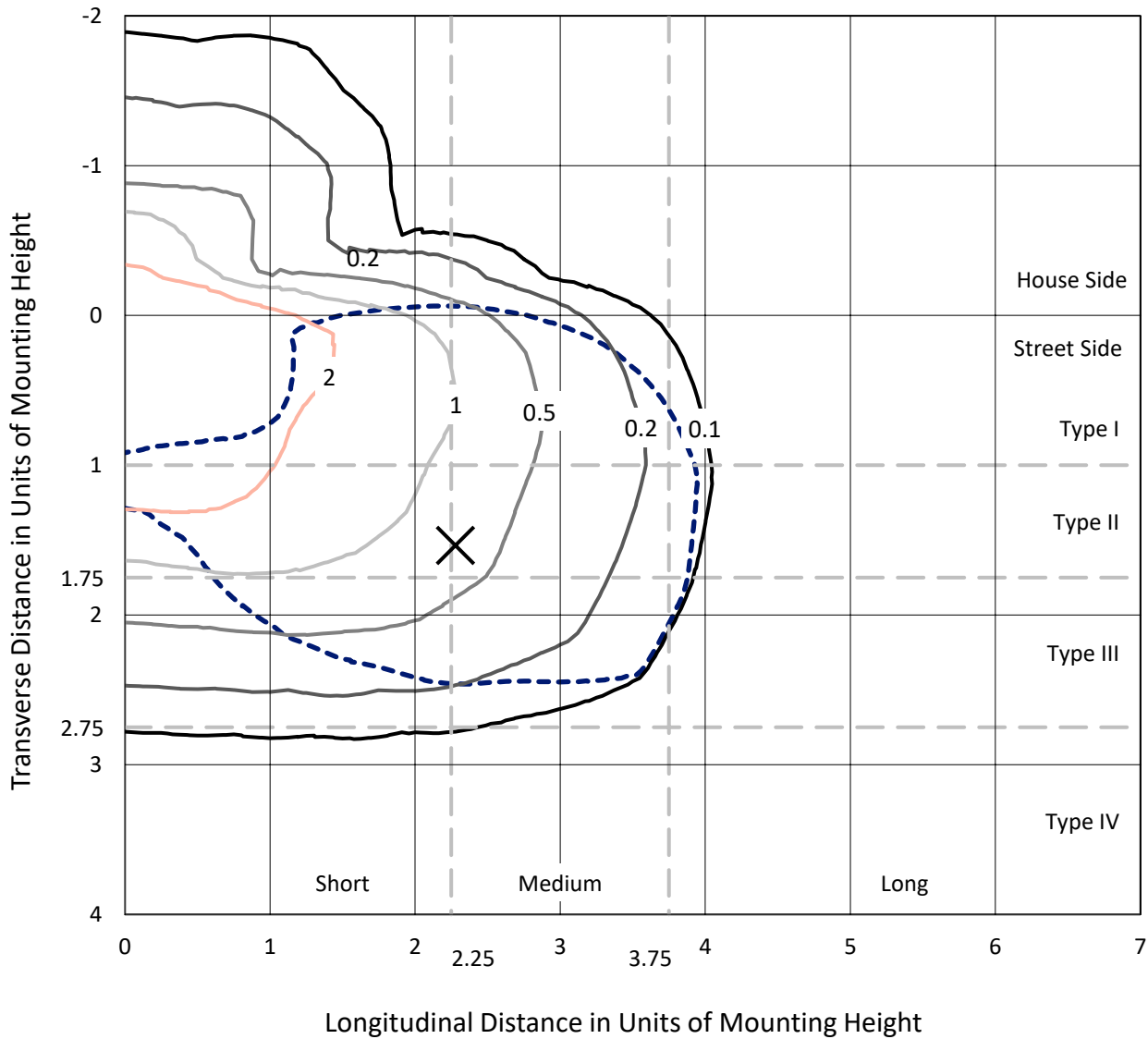
Lumens per Lamp: N/A  
Luminaire Lumens: 15854.4 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

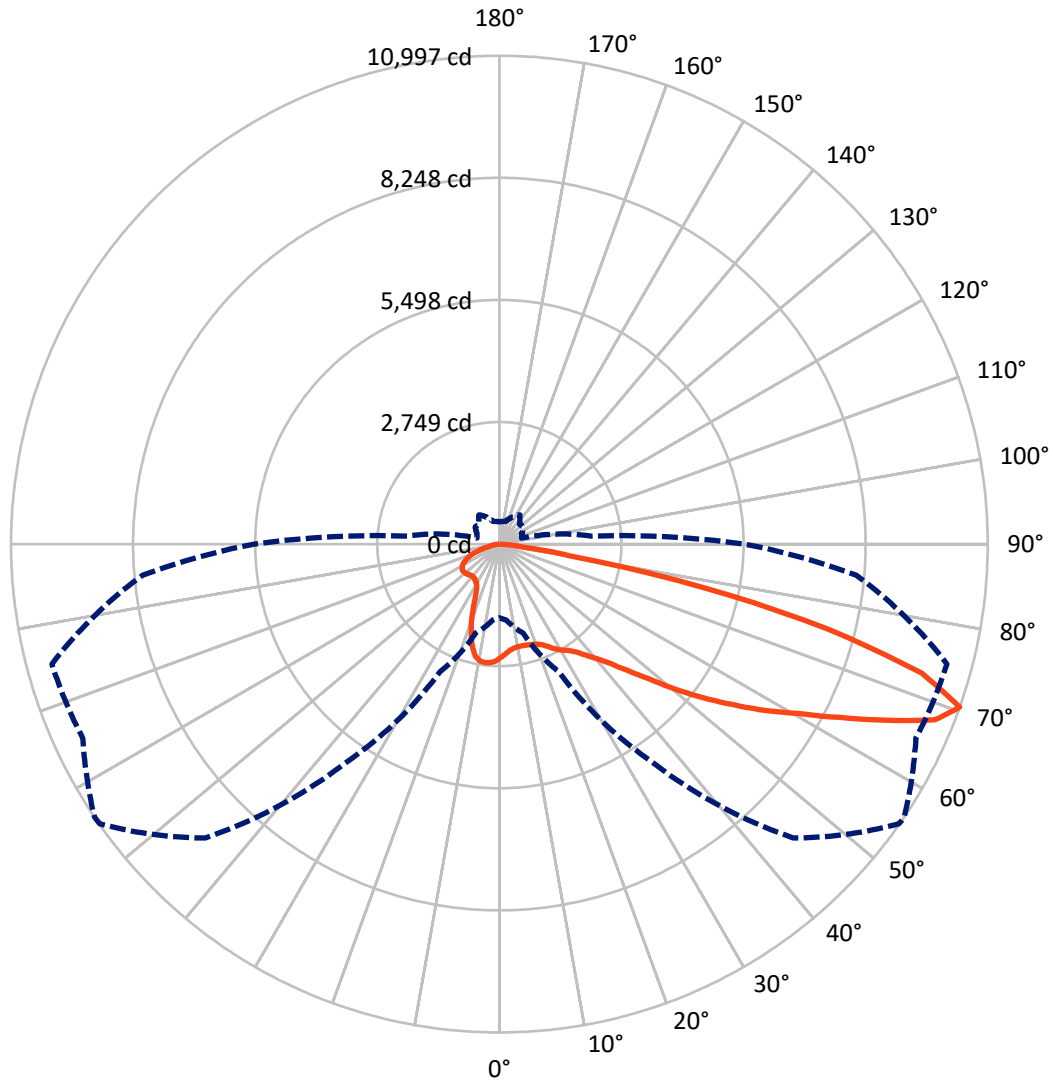
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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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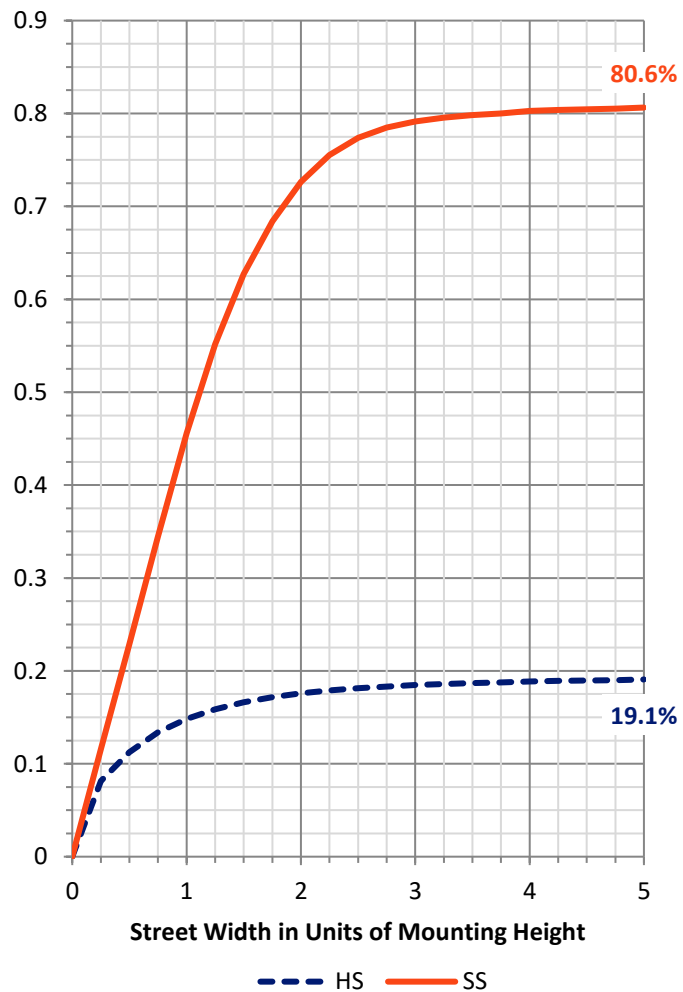
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3048.0	0.0	3048.0
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	12806.4	0.0	12806.4
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	15854.4	0.0	15854.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.8	1.5
10°-20°	641.7	4.0
20°-30°	1060.9	6.7
30°-40°	1586.1	10.0
40°-50°	2360.4	14.9
50°-60°	3355.8	21.2
60°-70°	4156.2	26.2
70°-80°	2294.9	14.5
80°-90°	161.6	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°	15854.4	100.0
0°-180°	15854.4	100.0

**Coefficient of Utilization**



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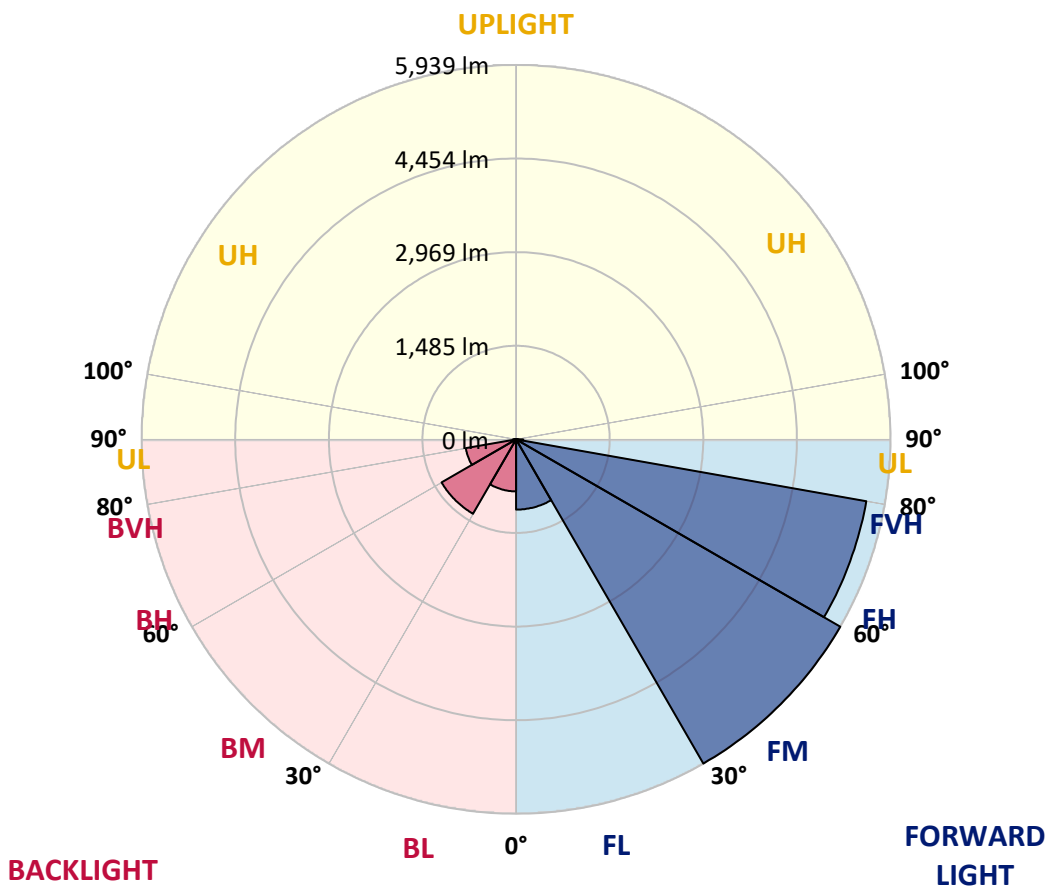
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1114.2	7.0			
FM (30°-60°)	5938.8	37.5			
FH (60°-80°)	5641.0	35.6			G3/7500
FVH (80°-90°)	112.3	0.7			G2/225
BL (0°-30°)	825.1	5.2	B2/1000		
BM (30°-60°)	1363.5	8.6	B2/2500		
BH (60°-80°)	810.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	49.3	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°	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1
2.5°	2394.8	2381.4	2397.0	2404.9	2425.0	2454.1	2479.8	2480.9	2494.3	2526.7	2558.0
5°	2286.3	2279.6	2284.1	2307.6	2328.8	2365.7	2404.9	2408.2	2446.2	2510.0	2572.6
7.5°	2202.5	2193.6	2210.3	2240.5	2267.3	2308.7	2360.1	2364.6	2418.3	2514.4	2610.6
10°	2081.8	2075.0	2106.3	2146.6	2204.7	2272.9	2341.1	2346.7	2417.2	2543.5	2677.7
12.5°	2029.2	2029.2	2042.6	2080.6	2144.4	2234.9	2337.8	2346.7	2435.0	2588.2	2763.7
15°	2110.8	2116.4	2105.2	2103.0	2128.7	2214.8	2342.2	2355.7	2468.6	2634.1	2848.7
17.5°	2275.2	2280.8	2251.7	2205.9	2180.1	2233.8	2359.0	2373.6	2504.4	2684.4	2940.4
20°	2505.5	2512.2	2448.5	2378.0	2289.7	2288.6	2391.4	2404.9	2550.2	2739.1	3037.7
22.5°	2774.9	2779.4	2698.9	2587.1	2451.8	2390.3	2447.3	2460.8	2609.5	2815.2	3142.7
25°	3086.8	3100.3	3003.0	2840.9	2657.5	2530.1	2540.1	2555.8	2715.7	2916.9	3266.8
27.5°	3420.0	3436.8	3325.0	3146.1	2893.4	2684.4	2659.8	2673.2	2828.6	2979.5	3332.8
30°	3761.0	3773.3	3661.5	3456.9	3147.2	2858.8	2760.4	2768.2	2877.8	3009.7	3399.9
32.5°	4140.0	4130.0	4022.6	3786.7	3440.1	3067.8	2854.3	2852.1	2932.6	3070.1	3496.0
35°	4495.6	4510.1	4396.0	4135.5	3762.1	3326.1	2995.2	2986.2	3048.8	3168.5	3631.3
37.5°	4926.0	4921.5	4785.1	4503.4	4085.2	3573.2	3193.1	3177.4	3199.8	3321.6	3820.3
40°	5233.4	5264.7	5176.4	4913.7	4463.1	3877.3	3424.5	3389.8	3395.4	3510.6	4072.9
42.5°	5485.0	5514.1	5523.0	5355.3	4895.8	4252.9	3712.9	3678.3	3681.6	3844.9	4383.7
45°	5678.4	5717.5	5843.9	5794.7	5383.3	4686.7	4103.1	4067.4	4069.6	4250.7	4759.4
47.5°	5757.8	5800.3	6056.3	6173.7	5900.9	5205.5	4588.3	4535.8	4543.6	4743.8	5188.7
50°	5732.1	5789.1	6135.7	6465.5	6334.7	5733.2	5168.6	5131.7	5101.5	5392.2	5654.9
52.5°	5510.7	5573.3	6127.9	6651.1	6689.1	6231.8	5767.9	5746.6	5739.9	6080.9	6175.9
55°	4858.9	4964.0	5858.4	6700.3	6966.4	6701.4	6417.4	6381.6	6416.3	6818.8	6702.5
57.5°	4497.8	4576.0	5330.7	6645.5	7193.3	7148.6	7065.9	7069.2	7108.4	7620.4	7340.9
60°	4292.1	4383.7	5037.8	6495.7	7411.3	7692.0	7744.5	7744.5	7814.9	8484.6	7989.4
62.5°	4019.3	4112.1	4763.9	6207.2	7612.6	8331.5	8597.6	8594.2	8622.2	9411.5	8623.3
65°	3465.9	3551.9	4213.8	5752.2	7711.0	9035.8	9566.9	9556.8	9500.9	10236.6	9042.5
67.5°	2516.7	2598.3	3227.7	4886.9	7356.6	9603.8	10565.3	10569.7	10235.5	10756.5	9064.9
70°	1659.1	1715.0	2075.0	3174.1	5982.5	9358.9	10983.4	10996.8	10348.4	10432.2	8067.6
72.5°	1035.3	1074.4	1295.8	1892.8	3535.2	7408.0	9910.1	9947.0	9309.7	9167.8	6628.7
75°	687.6	714.4	862.0	1103.5	1635.7	4009.2	7533.2	7651.7	7461.7	7186.6	4618.5
77.5°	413.7	436.0	548.9	701.0	724.5	1566.3	4397.2	4703.5	4730.3	3752.1	1934.2
80°	188.9	214.7	303.0	400.3	385.7	545.6	1550.7	1622.2	1914.0	1191.8	610.4
82.5°	111.8	123.0	201.2	199.0	164.3	265.0	557.9	572.4	486.3	436.0	260.5
85°	44.7	52.5	85.0	74.9	60.4	86.1	210.2	220.2	211.3	190.1	96.1
87.5°	0.0	0.0	0.0	0.0	1.1	2.2	19.0	20.1	29.1	52.5	29.1
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°	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1	2559.1
2.5°	2578.2	2571.4	2605.0	2630.7	2641.9	2653.1	2643.0	2639.6	2639.6	2617.3	2606.1
5°	2606.1	2609.5	2655.3	2676.5	2676.5	2667.6	2640.8	2621.8	2615.0	2586.0	2578.2
7.5°	2658.6	2673.2	2715.7	2714.5	2683.2	2634.1	2567.0	2515.5	2468.6	2448.5	2436.2
10°	2744.7	2763.7	2792.8	2745.9	2658.6	2529.0	2387.0	2275.2	2208.1	2154.4	2154.4
12.5°	2843.1	2861.0	2855.4	2747.0	2567.0	2324.4	2119.8	1991.2	1897.3	1848.1	1848.1
15°	2941.5	2956.0	2895.7	2695.5	2375.8	2052.7	1829.1	1674.8	1593.2	1547.3	1547.3
17.5°	3041.0	3039.9	2912.4	2577.0	2126.5	1751.9	1532.8	1413.2	1385.2	1377.4	1376.3
20°	3137.2	3111.4	2891.2	2379.1	1836.9	1449.0	1310.3	1318.1	1359.5	1377.4	1379.6
22.5°	3245.6	3181.9	2828.6	2126.5	1508.2	1238.8	1247.7	1312.6	1372.9	1399.8	1403.1
25°	3356.3	3242.3	2723.5	1830.2	1233.2	1161.6	1230.9	1303.6	1371.8	1406.5	1409.8
27.5°	3401.0	3242.3	2544.6	1487.0	1086.7	1129.2	1205.2	1275.7	1347.2	1387.5	1395.3
30°	3437.9	3214.3	2294.2	1177.3	1026.3	1097.9	1163.9	1228.7	1299.1	1348.3	1357.3
32.5°	3489.3	3189.7	1991.2	989.4	998.4	1067.7	1113.5	1168.3	1232.1	1264.5	1261.1
35°	3549.7	3151.7	1625.6	900.0	974.9	1042.0	1074.4	1106.8	1077.8	1076.7	1080.0
37.5°	3635.8	3118.2	1307.0	859.8	959.3	1024.1	1050.9	981.6	941.4	924.6	917.9
40°	3759.9	3104.7	1030.8	836.3	957.0	1023.0	1004.0	896.7	841.9	783.7	782.6
42.5°	3916.4	3094.7	851.9	825.1	964.8	1048.7	939.1	840.7	727.8	702.1	699.9
45°	4117.7	3079.0	762.5	822.9	983.9	1068.8	932.4	763.6	686.5	675.3	675.3
47.5°	4360.3	3054.4	722.2	822.9	1005.1	1059.9	912.3	746.8	667.5	679.8	687.6
50°	4638.7	3023.1	701.0	820.6	1026.3	1059.9	869.8	743.5	663.0	726.7	752.4
52.5°	4936.1	2987.3	686.5	811.7	1040.9	1061.0	872.1	754.7	667.5	737.9	759.1
55°	5264.7	2981.8	666.3	792.7	1045.3	1031.9	877.6	779.3	674.2	668.6	669.7
57.5°	5679.5	3048.8	651.8	764.7	1027.5	972.7	888.8	797.1	666.3	667.5	675.3
60°	6113.3	3175.2	664.1	737.9	990.6	916.8	896.7	788.2	628.3	610.4	612.7
62.5°	6482.3	3271.3	674.2	725.6	936.9	867.6	888.8	768.1	607.1	602.6	612.7
65°	6636.6	3191.9	649.6	699.9	858.6	807.2	872.1	742.4	589.2	572.4	573.5
67.5°	6465.5	2819.6	601.5	642.9	770.3	730.1	845.2	708.8	564.6	544.5	540.0
70°	5523.0	2071.7	518.8	552.3	663.0	639.5	803.9	665.2	525.5	510.9	500.9
72.5°	4450.8	1466.8	430.4	439.4	519.9	538.9	732.3	610.4	480.7	439.4	424.8
75°	3098.0	921.2	358.9	349.9	375.7	411.4	571.3	506.5	414.8	371.2	357.8
77.5°	1332.7	472.9	280.6	276.2	250.4	285.1	438.3	422.6	347.7	297.4	289.6
80°	446.1	273.9	202.4	194.5	166.6	200.1	308.6	337.6	272.8	220.2	206.8
82.5°	223.6	158.8	128.6	116.3	111.8	126.3	182.2	210.2	188.9	152.1	128.6
85°	109.6	90.6	70.4	69.3	58.1	54.8	76.0	89.4	85.0	62.6	59.3
87.5°	40.2	35.8	22.4	17.9	11.2	7.8	4.5	4.5	3.4	3.4	3.4
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)