

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: P633581

Luminaire Tested: GWS-SA2F-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

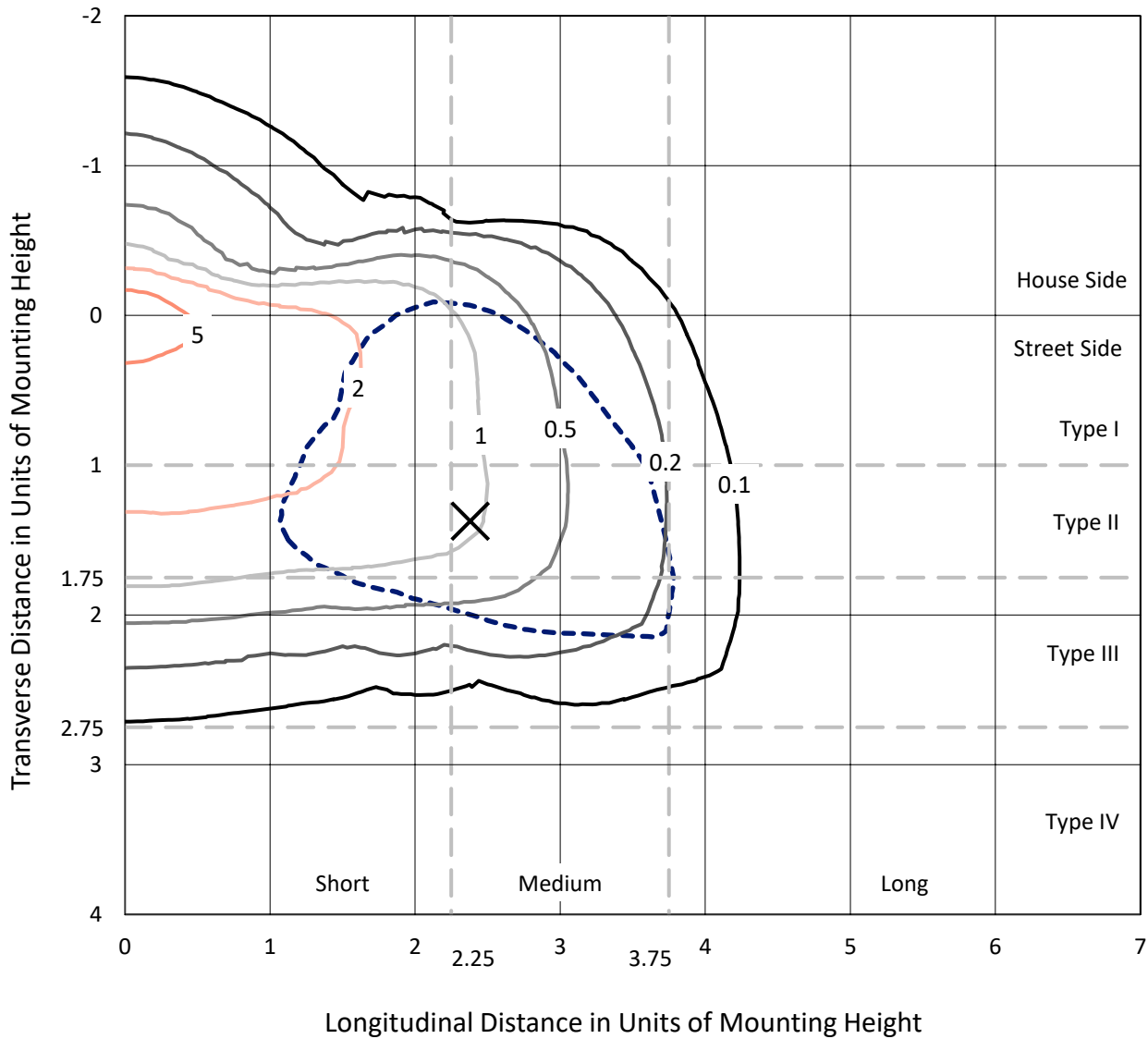
Lumens per Lamp: N/A  
Luminaire Lumens: 11708.3 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P633581  
 CATALOG NUMBER: GWS-SA2F-722-U-SL3-W

### Iso-Footcandle Lines of Horizontal Illumination

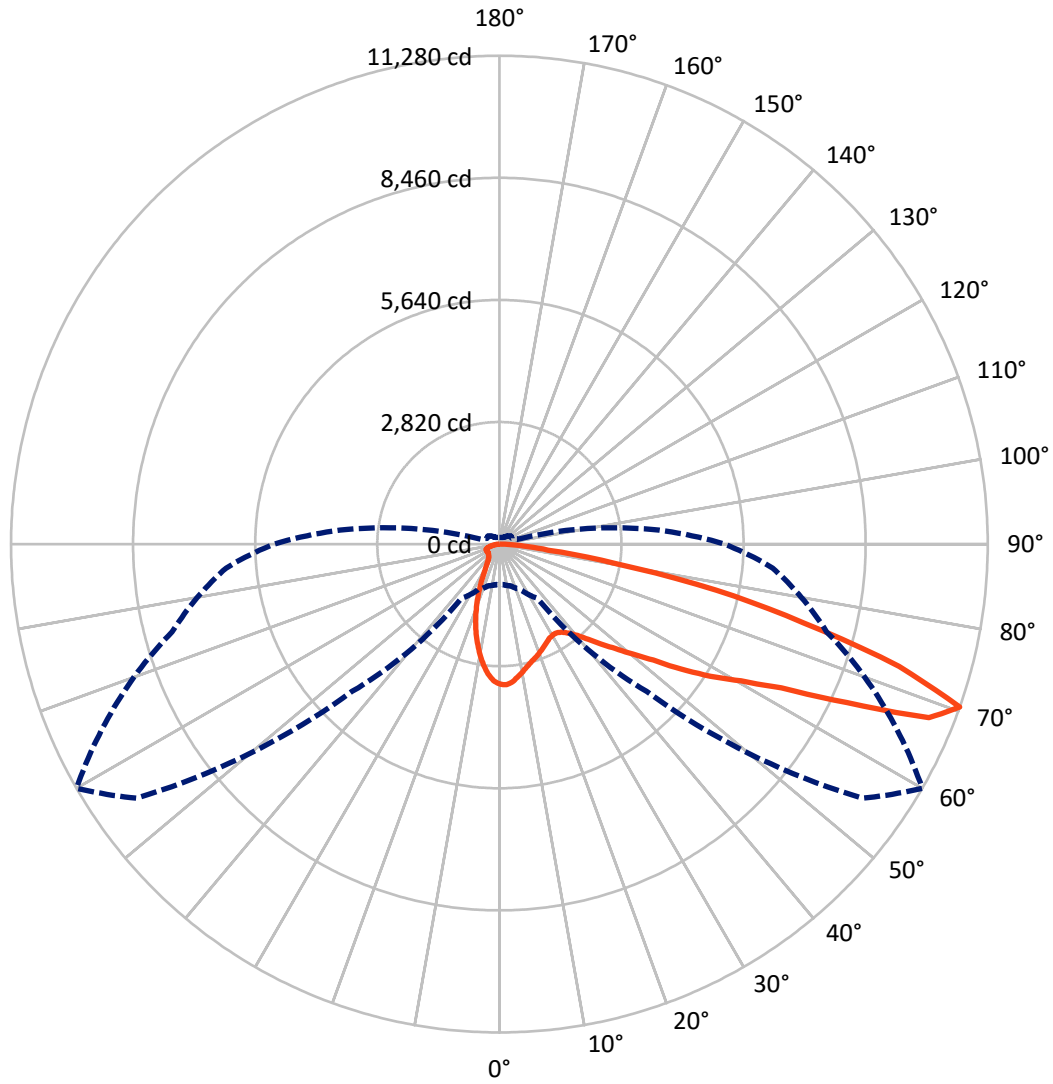
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P633581  
CATALOG NUMBER: GWS-SA2F-722-U-SL3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P633581

CATALOG NUMBER: GWS-SA2F-722-U-SL3-W

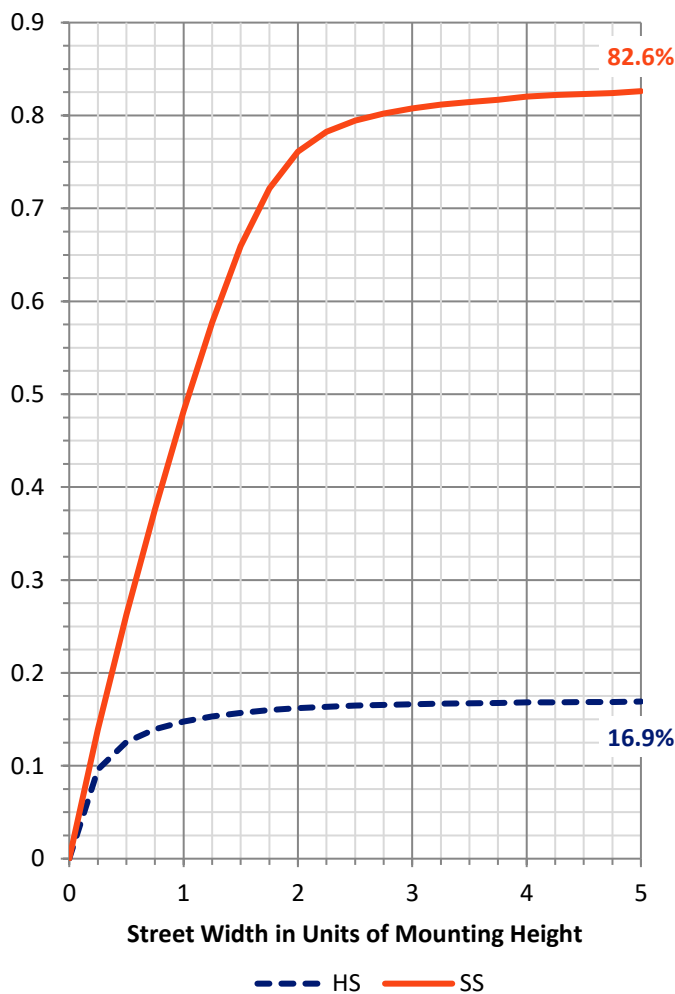
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2002.4	0.0	2002.4
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	9705.9	0.0	9705.9
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	11708.3	0.0	11708.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.3	2.4
10°-20°	625.6	5.3
20°-30°	801.2	6.8
30°-40°	1053.0	9.0
40°-50°	1527.7	13.0
50°-60°	2383.6	20.4
60°-70°	3120.7	26.7
70°-80°	1725.6	14.7
80°-90°	191.5	1.6
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°	11708.3	100.0
0°-180°	11708.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633581

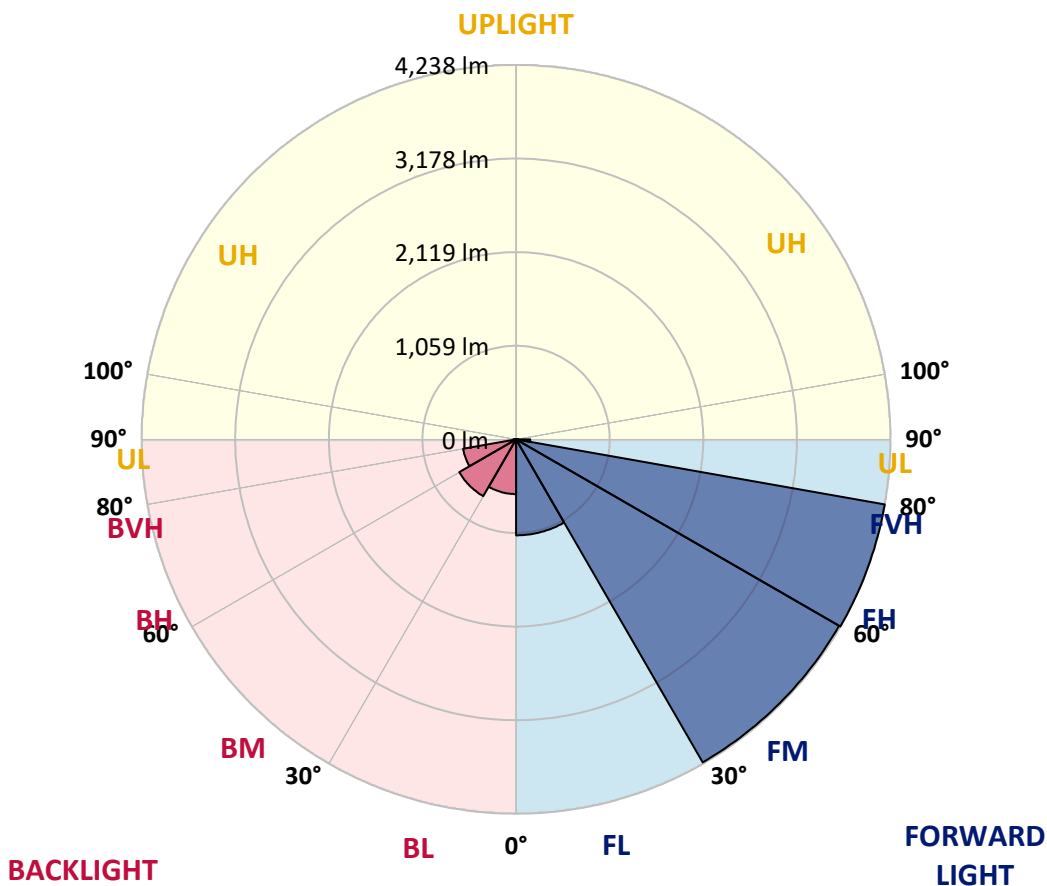
CATALOG NUMBER: GWS-SA2F-722-U-SL3-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1086.6	9.3			
FM (30°-60°)	4222.0	36.1			
FH (60°-80°)	4237.8	36.2			G2/5000
FVH (80°-90°)	159.6	1.4			G2/225
BL (0°-30°)	619.5	5.3	B2/1000		
BM (30°-60°)	742.4	6.3	B1/1000		
BH (60°-80°)	608.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	31.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium





REPORT NUMBER: P633581

CATALOG NUMBER: GWS-SA2F-722-U-SL3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8
2.5°	3194.4	3197.9	3207.3	3221.0	3234.7	3241.6	3258.7	3253.5	3250.1	3243.3	3234.7
5°	3053.1	3059.9	3068.5	3095.1	3125.0	3149.0	3187.6	3191.9	3193.6	3197.0	3183.3
7.5°	2873.2	2874.9	2895.5	2930.6	2970.0	3011.1	3075.4	3093.4	3108.8	3125.9	3114.8
10°	2674.5	2678.7	2694.2	2744.7	2812.4	2873.2	2959.7	2989.7	3022.2	3059.9	3044.5
12.5°	2511.7	2512.5	2537.4	2591.4	2665.0	2747.3	2855.2	2891.2	2934.0	2993.1	2979.4
15°	2382.3	2382.3	2405.5	2451.7	2536.5	2633.3	2761.8	2808.1	2866.3	2946.0	2922.0
17.5°	2279.5	2280.4	2295.0	2343.8	2419.2	2526.3	2678.7	2741.3	2805.5	2910.9	2874.9
20°	2225.6	2221.3	2223.9	2253.8	2318.1	2421.7	2595.6	2668.5	2755.0	2886.9	2832.1
22.5°	2223.0	2215.3	2204.2	2206.7	2244.4	2330.1	2506.5	2594.8	2703.6	2867.2	2788.4
25°	2266.7	2258.1	2238.4	2216.1	2212.7	2264.1	2422.6	2522.8	2650.5	2858.6	2746.4
27.5°	2340.4	2334.4	2308.7	2275.3	2240.1	2238.4	2359.2	2463.7	2611.9	2867.2	2716.4
30°	2438.0	2427.7	2411.5	2368.6	2315.5	2260.7	2334.4	2432.0	2586.2	2894.6	2703.6
32.5°	2548.5	2542.5	2527.1	2484.3	2427.7	2340.4	2354.1	2438.9	2586.2	2942.6	2706.1
35°	2665.9	2665.0	2665.0	2636.8	2574.2	2465.4	2432.0	2497.1	2625.6	3019.7	2733.6
37.5°	2779.8	2779.0	2806.4	2816.7	2745.6	2628.2	2564.8	2613.6	2712.1	3133.6	2801.2
40°	2872.3	2875.8	2935.7	2987.1	2947.7	2838.9	2749.8	2774.7	2852.6	3295.5	2919.5
42.5°	2965.7	2975.1	3065.1	3155.9	3171.3	3077.1	2987.1	3001.7	3053.9	3509.7	3095.9
45°	3067.7	3071.9	3197.9	3324.6	3399.2	3343.5	3269.8	3289.5	3301.5	3774.4	3358.9
47.5°	3166.2	3177.3	3340.1	3514.0	3655.3	3650.2	3609.1	3603.1	3605.6	4096.5	3669.9
50°	3300.7	3316.9	3508.0	3717.8	3925.2	4020.2	4032.2	3986.8	3968.0	4454.6	4057.1
52.5°	3555.9	3555.9	3727.3	3933.7	4212.1	4447.7	4528.2	4453.7	4393.7	4833.2	4468.3
55°	3875.5	3889.2	4025.4	4192.4	4545.4	4897.4	5169.9	5087.6	4918.0	5245.2	4899.2
57.5°	4017.7	4034.8	4250.7	4510.2	4981.4	5408.9	5786.6	5757.5	5510.0	5673.6	5346.3
60°	3760.7	3796.7	4093.9	4529.1	5376.3	6233.8	6500.2	6415.4	6061.6	6123.3	5831.2
62.5°	3137.0	3176.4	3506.3	4113.6	5321.5	7125.6	7625.0	7312.3	6750.4	6691.3	6477.1
65°	1871.8	1870.1	2266.7	3071.9	4645.6	7373.2	9405.1	8821.7	7814.3	7470.8	7141.9
67.5°	1189.9	1187.3	1270.4	1627.6	3091.6	6766.7	10549.6	10701.2	9259.5	8043.9	7196.7
70°	938.9	938.0	998.0	1160.8	1529.1	4815.2	10230.9	11280.3	10132.4	7825.5	6336.6
72.5°	684.5	686.2	778.7	972.3	1179.6	2417.5	8284.6	9651.8	9319.5	6908.0	5144.2
75°	491.7	494.3	550.0	744.4	1087.9	1321.8	5509.1	7257.5	7090.5	5537.4	3538.8
77.5°	312.7	316.1	364.9	521.7	878.9	1067.4	3340.1	5123.6	4717.6	3119.9	1258.4
80°	191.0	202.2	243.3	388.9	702.5	801.0	1669.6	2699.3	2362.6	855.8	423.2
82.5°	98.5	107.1	146.5	240.7	484.0	703.3	944.9	1134.2	731.6	358.1	225.3
85°	30.8	36.0	51.4	97.7	230.4	436.0	625.4	563.7	335.8	168.8	104.5
87.5°	7.7	7.7	8.6	8.6	9.4	19.7	120.8	127.6	89.1	53.1	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633581  
 CATALOG NUMBER: GWS-SA2F-722-U-SL3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8	3239.8
2.5°	3217.6	3197.0	3188.4	3187.6	3166.2	3135.3	3114.8	3100.2	3091.6	3089.9	3089.9
5°	3160.2	3133.6	3098.5	3071.9	3014.5	2956.3	2907.5	2880.0	2848.4	2844.1	2843.2
7.5°	3083.9	3045.4	2978.6	2904.0	2803.8	2707.0	2624.8	2569.1	2513.4	2503.1	2499.7
10°	3001.7	2949.4	2835.5	2704.4	2554.5	2409.7	2283.8	2185.3	2120.2	2073.9	2065.4
12.5°	2920.3	2850.9	2683.9	2488.6	2283.0	2085.1	1895.8	1734.7	1618.2	1550.5	1538.5
15°	2844.1	2747.3	2518.5	2269.3	2002.0	1731.3	1463.2	1254.1	1090.5	1032.3	1018.6
17.5°	2774.7	2653.9	2358.3	2042.2	1709.0	1355.2	1050.2	864.4	768.4	739.3	732.4
20°	2705.3	2557.9	2195.6	1803.2	1398.0	1001.4	767.6	680.2	644.2	633.1	629.6
22.5°	2630.8	2452.6	2018.3	1567.7	1083.7	749.6	627.9	589.4	578.2	579.1	578.2
25°	2556.2	2345.5	1832.4	1311.5	807.0	608.2	548.3	533.7	536.3	544.0	545.7
27.5°	2494.6	2250.4	1649.9	1030.5	630.5	523.4	495.1	494.3	503.7	514.0	515.7
30°	2450.0	2165.6	1470.0	792.4	519.1	465.2	454.0	459.2	470.3	478.0	480.6
32.5°	2418.3	2092.8	1278.1	622.8	454.9	424.0	418.9	424.0	430.9	438.6	440.3
35°	2407.2	2039.7	1089.7	508.0	411.2	394.1	390.6	393.2	396.6	400.9	402.6
37.5°	2432.0	2013.1	892.6	442.0	384.6	374.4	369.2	367.5	368.4	370.1	370.9
40°	2505.7	2025.1	731.6	403.5	367.5	358.1	349.5	346.1	345.2	346.9	346.1
42.5°	2632.5	2075.7	615.1	381.2	353.8	340.1	330.7	327.2	327.2	331.5	331.5
45°	2818.4	2175.0	531.1	364.9	341.8	324.7	314.4	312.7	316.1	323.0	323.8
47.5°	3090.8	2320.7	480.6	352.9	330.7	311.0	300.7	299.8	306.7	317.8	318.7
50°	3413.7	2530.5	453.2	344.4	323.0	299.8	289.5	290.4	298.1	310.1	312.7
52.5°	3802.7	2816.7	454.9	340.9	318.7	293.0	282.7	281.0	288.7	300.7	303.3
55°	4204.4	3164.5	488.3	341.8	312.7	289.5	275.8	269.8	276.7	285.3	286.1
57.5°	4646.5	3556.8	571.4	340.1	305.0	286.1	269.8	256.1	260.4	265.6	268.1
60°	5145.0	4018.5	750.4	343.5	301.5	278.4	257.9	239.9	239.0	242.4	243.3
62.5°	5811.5	4646.5	951.7	349.5	309.2	269.0	239.9	221.0	217.6	219.3	220.2
65°	6321.2	4946.3	888.3	344.4	325.5	262.1	222.7	203.0	196.2	194.5	194.5
67.5°	6113.9	4549.7	618.5	330.7	333.2	263.0	209.0	184.2	175.6	171.3	170.5
70°	5202.4	3695.6	430.0	317.0	324.7	261.3	194.5	168.8	157.6	151.6	150.8
72.5°	4110.2	2821.8	347.8	289.5	294.7	235.6	173.0	151.6	142.2	134.5	134.5
75°	2645.3	1721.9	290.4	257.9	240.7	183.3	149.9	135.4	125.9	118.2	118.2
77.5°	890.1	639.1	225.3	218.4	179.9	137.9	125.9	116.5	108.8	101.9	101.1
80°	361.5	303.3	165.3	165.3	125.9	105.4	98.5	94.2	89.1	80.5	80.5
82.5°	209.9	184.2	115.6	100.2	84.0	72.8	68.5	64.2	64.2	58.3	58.3
85°	101.1	101.9	69.4	61.7	48.0	42.0	40.3	37.7	36.8	33.4	32.6
87.5°	54.8	55.7	35.1	27.4	18.8	16.3	13.7	12.8	12.0	11.1	11.1
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)