

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: P632259

Luminaire Tested: GWS-SA2C-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632259  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-735-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

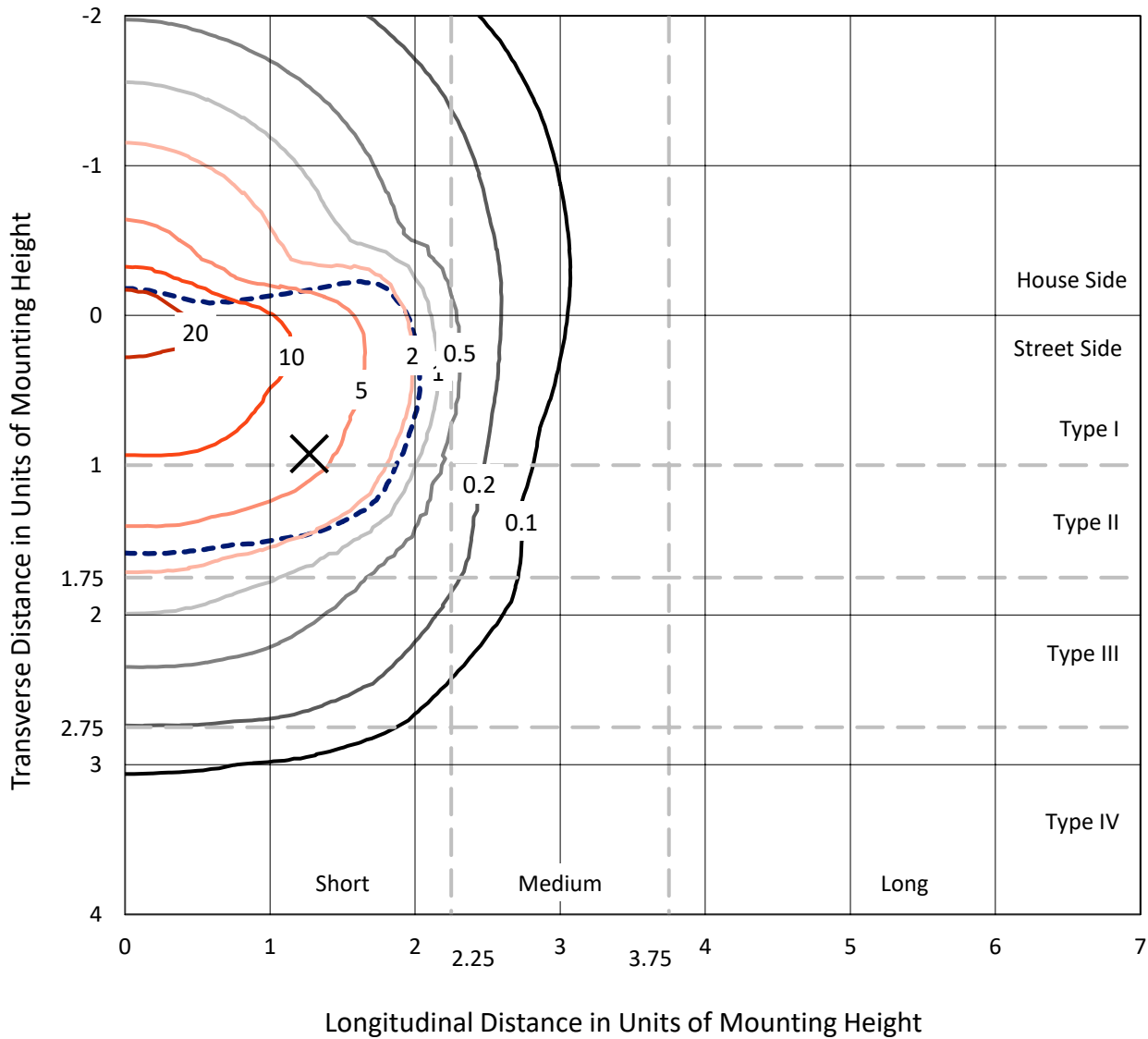
Lumens per Lamp: N/A  
Luminaire Lumens: 7644.6 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P632259  
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

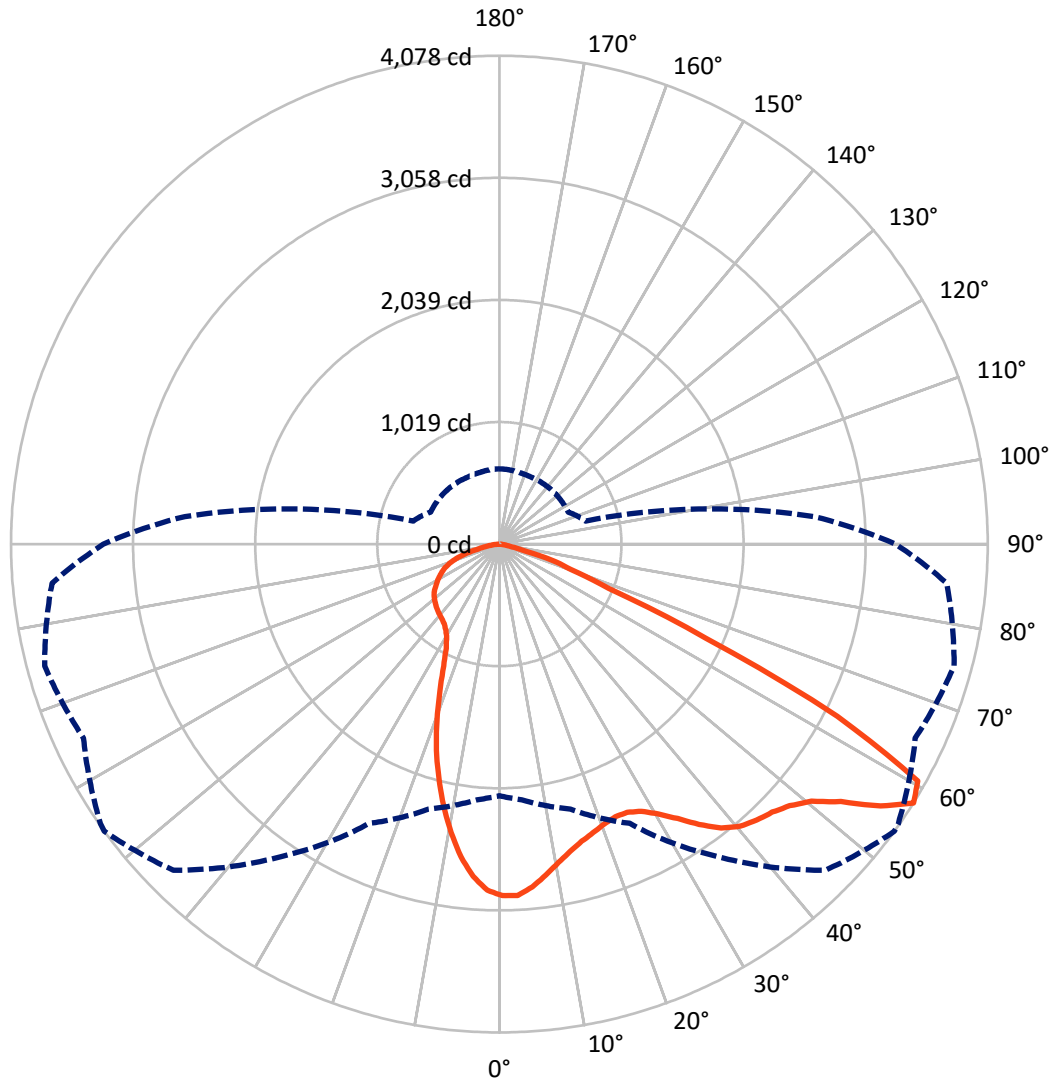
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P632259  
CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632259

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSWH

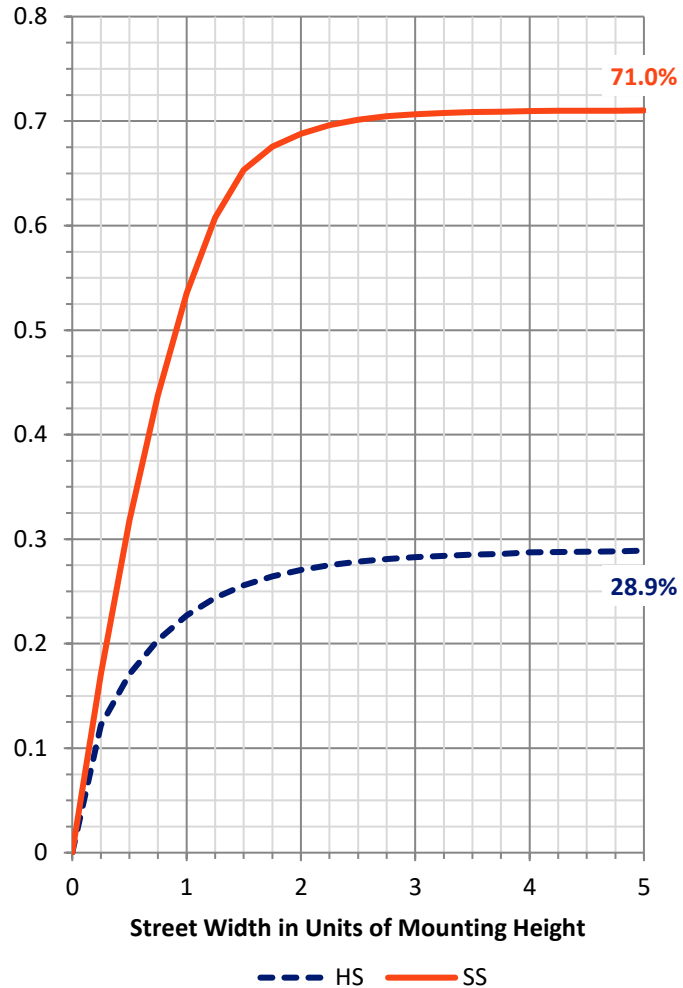
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2222.4	0.0	2222.4
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	5422.2	0.0	5422.2
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	7644.6	0.0	7644.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.0	3.4
10°-20°	615.6	8.1
20°-30°	851.9	11.1
30°-40°	1183.7	15.5
40°-50°	1563.2	20.4
50°-60°	1857.7	24.3
60°-70°	1029.2	13.5
70°-80°	256.3	3.4
80°-90°	29.1	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°	7644.6	100.0
0°-180°	7644.6	100.0

**Coefficient of Utilization**



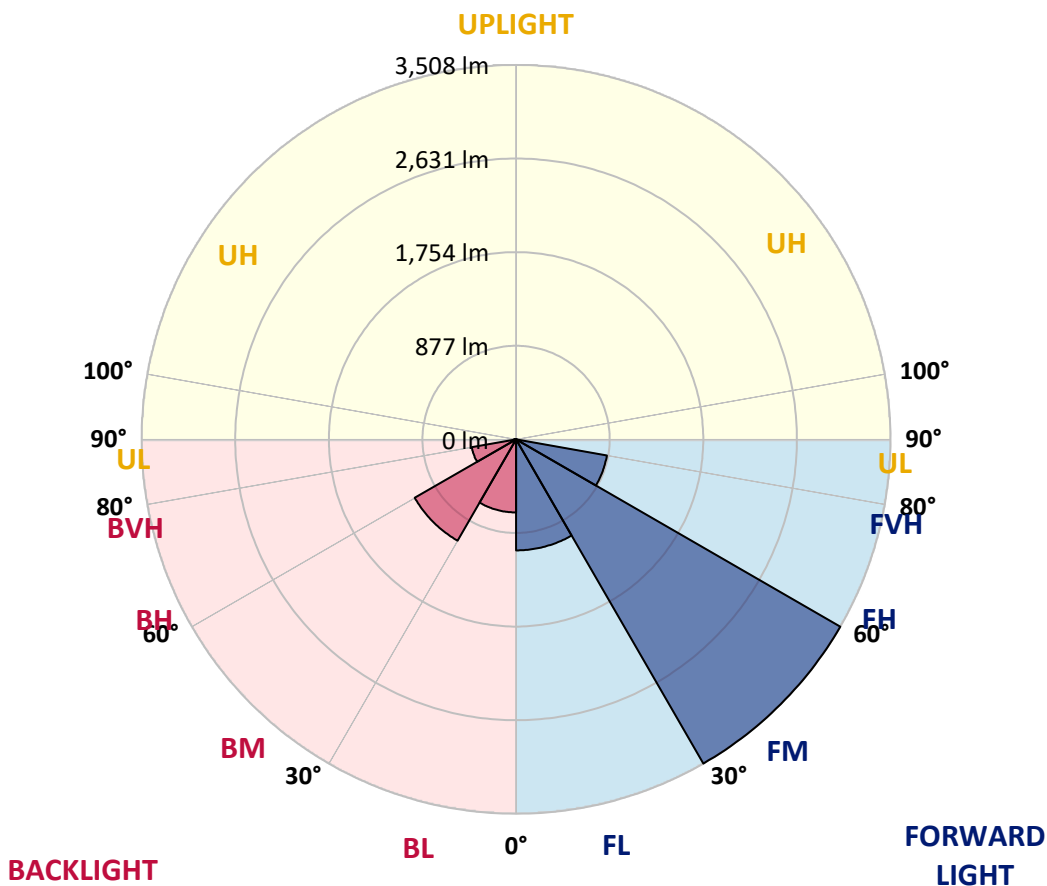
REPORT NUMBER: P632259

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1040.6	13.6			
FM (30°-60°)	3508.2	45.9			
FH (60°-80°)	864.3	11.3			G1/1800
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	684.8	9.0	B2/1000		
BM (30°-60°)	1096.4	14.3	B2/2500		
BH (60°-80°)	421.2	5.5	B1/500		G1/500
BVH (80°-90°)	20.0	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-G1**  
 Type II Short





REPORT NUMBER: P632259  
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9
2.5°	2880.0	2885.9	2889.8	2903.5	2915.3	2925.8	2936.9	2936.9	2936.2	2934.3	2930.4
5°	2766.1	2772.6	2781.8	2800.8	2826.3	2844.6	2874.7	2877.3	2890.4	2895.7	2893.1
7.5°	2633.9	2635.9	2647.7	2672.5	2713.1	2745.8	2789.0	2794.2	2825.7	2844.0	2840.7
10°	2489.3	2482.8	2503.7	2540.3	2593.3	2648.3	2703.9	2708.5	2758.9	2793.6	2791.0
12.5°	2357.1	2357.8	2378.7	2423.2	2489.3	2557.4	2632.0	2642.4	2704.6	2749.1	2744.5
15°	2246.5	2249.1	2274.7	2325.0	2400.3	2481.4	2574.4	2584.2	2662.7	2721.6	2708.5
17.5°	2158.2	2160.8	2183.0	2240.6	2321.1	2419.3	2532.5	2542.3	2639.8	2709.8	2683.0
20°	2097.3	2096.0	2117.6	2172.6	2255.7	2362.3	2495.8	2510.2	2632.6	2714.4	2666.0
22.5°	2072.5	2071.8	2087.5	2132.7	2210.5	2318.5	2473.6	2493.2	2640.5	2734.7	2655.5
25°	2084.9	2082.3	2096.0	2129.4	2191.5	2301.5	2480.1	2501.1	2673.8	2776.6	2657.5
27.5°	2123.5	2120.2	2132.0	2162.1	2209.2	2319.2	2525.9	2550.2	2744.5	2853.1	2683.7
30°	2182.4	2180.4	2192.2	2221.0	2262.2	2378.1	2613.6	2641.1	2853.8	2972.2	2740.6
32.5°	2251.1	2247.8	2268.8	2302.1	2349.9	2485.4	2731.4	2767.4	2983.4	3125.4	2836.1
35°	2328.3	2325.7	2354.5	2402.9	2471.6	2634.6	2874.1	2913.3	3115.5	3298.8	2963.1
37.5°	2403.6	2403.6	2459.2	2531.2	2617.6	2796.9	3008.2	3033.1	3207.2	3452.6	3099.2
40°	2470.3	2474.2	2558.0	2666.0	2775.9	2943.4	3096.6	3117.5	3247.7	3558.6	3217.6
42.5°	2544.3	2547.5	2645.0	2786.4	2917.3	3061.9	3150.2	3160.7	3255.6	3611.6	3301.4
45°	2603.2	2607.7	2728.8	2880.0	3040.3	3150.9	3192.8	3201.9	3266.7	3640.4	3362.3
47.5°	2633.9	2640.5	2779.2	2955.2	3123.4	3230.7	3262.8	3266.7	3312.5	3690.8	3435.5
50°	2628.7	2641.8	2798.2	2992.5	3184.9	3311.2	3375.3	3381.9	3406.1	3764.7	3521.3
52.5°	2675.1	2681.0	2838.7	3037.0	3272.6	3459.8	3571.0	3580.2	3569.0	3820.3	3572.3
55°	2597.9	2626.1	2788.4	3030.5	3406.1	3689.4	3860.9	3856.3	3716.9	3882.5	3657.4
57.5°	2101.2	2142.5	2291.0	2572.4	3186.2	3850.4	4077.5	4066.4	3831.4	3930.3	3749.7
60°	1454.7	1461.3	1595.4	1795.0	2459.2	3401.5	4014.0	4038.2	3852.4	3870.1	3578.9
62.5°	1163.5	1161.5	1174.0	1179.2	1564.0	2391.1	3168.6	3256.9	3200.6	3015.4	2536.4
65°	993.4	1000.6	1037.2	1018.2	1020.8	1346.7	1893.1	1905.6	1866.3	1799.6	1341.5
67.5°	777.4	789.8	854.6	928.6	905.0	867.1	982.2	976.3	769.6	595.5	492.1
70°	486.9	494.7	564.1	729.0	787.9	712.0	631.5	628.9	412.3	339.0	371.7
72.5°	284.0	285.3	304.9	406.4	522.9	486.9	464.6	447.6	265.0	270.3	296.4
75°	156.4	156.4	155.7	175.4	206.1	182.6	176.7	172.1	177.3	200.9	220.5
77.5°	32.7	33.4	35.3	46.5	60.2	73.3	92.3	92.9	115.8	134.1	149.9
80°	15.1	15.7	19.6	24.9	32.1	42.5	56.3	56.9	70.0	84.4	94.9
82.5°	7.9	8.5	10.5	13.1	17.0	22.2	31.4	31.4	41.9	49.7	56.3
85°	2.6	2.6	3.9	5.2	7.2	9.2	12.4	12.4	18.3	24.2	28.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.6	2.6	3.3	3.9	6.5
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: P632259

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9	2934.9
2.5°	2921.8	2901.6	2902.2	2906.1	2893.7	2874.7	2862.3	2846.6	2836.8	2834.8	2842.0
5°	2880.0	2856.4	2840.0	2823.0	2787.7	2745.8	2713.1	2686.3	2668.6	2662.1	2654.2
7.5°	2822.4	2791.6	2750.4	2702.6	2638.5	2563.9	2511.5	2462.5	2428.4	2418.6	2414.0
10°	2764.8	2720.3	2647.0	2558.0	2451.3	2350.6	2255.7	2183.0	2125.5	2092.7	2103.2
12.5°	2705.2	2650.3	2535.8	2399.0	2250.4	2098.6	1974.3	1853.9	1761.0	1714.5	1700.8
15°	2652.9	2578.3	2418.6	2233.4	2035.8	1844.7	1664.8	1484.2	1366.4	1302.2	1284.6
17.5°	2608.4	2511.5	2294.9	2064.6	1828.4	1556.1	1335.0	1167.4	1086.9	1051.6	1049.0
20°	2564.6	2446.1	2172.6	1882.7	1588.9	1283.9	1086.3	1007.8	979.0	966.5	965.9
22.5°	2525.3	2377.4	2043.7	1700.8	1350.7	1079.1	970.5	936.4	928.6	928.6	927.3
25°	2491.9	2308.7	1911.5	1507.7	1135.4	960.6	910.3	895.9	899.1	905.0	905.7
27.5°	2478.2	2255.0	1783.9	1309.4	986.8	891.9	869.0	867.1	876.2	885.4	886.7
30°	2492.6	2218.4	1653.0	1119.7	897.8	850.1	839.6	843.5	854.6	863.8	863.8
32.5°	2537.1	2200.1	1519.5	980.9	846.1	820.6	817.3	821.3	829.8	835.0	835.7
35°	2612.3	2207.3	1381.4	887.4	812.8	799.0	798.4	801.0	804.2	807.5	808.2
37.5°	2707.2	2239.3	1233.5	833.0	791.2	783.3	782.0	781.3	782.0	782.0	782.6
40°	2800.1	2287.7	1101.3	801.0	776.1	769.6	766.3	761.7	761.1	759.7	759.1
42.5°	2868.8	2325.0	996.0	778.1	762.4	754.5	750.6	743.4	742.7	742.1	741.4
45°	2920.5	2356.5	908.3	755.8	748.0	740.8	732.3	725.7	727.0	728.3	728.3
47.5°	2978.8	2383.9	844.2	734.9	730.3	723.1	712.6	708.0	712.6	717.2	717.2
50°	3049.5	2422.5	791.8	713.9	712.0	703.5	694.3	692.3	697.6	704.1	704.1
52.5°	3101.2	2455.9	754.5	693.0	693.0	681.9	674.0	673.4	679.3	685.8	686.5
55°	3198.0	2533.8	741.4	668.8	666.2	657.7	651.8	647.2	654.4	660.3	660.3
57.5°	3307.3	2637.2	744.7	634.1	630.8	628.2	623.6	618.4	620.4	626.9	627.6
60°	3075.6	2436.9	708.7	599.4	597.5	596.1	590.3	581.1	583.7	589.0	589.6
62.5°	2148.4	1619.6	573.2	556.2	562.8	562.1	554.3	543.8	544.5	551.7	551.7
65°	1115.1	876.2	503.2	517.0	526.8	522.9	509.8	500.6	499.3	508.5	506.5
67.5°	481.0	478.4	458.1	475.7	486.2	477.7	464.0	448.9	450.2	453.5	450.9
70°	387.4	399.2	407.7	426.7	435.2	419.5	404.4	395.9	388.7	388.1	383.5
72.5°	309.5	325.9	344.9	364.5	367.1	351.4	332.4	324.6	313.5	312.8	308.2
75°	233.0	246.7	261.8	277.5	277.5	262.4	250.0	246.1	233.0	229.0	225.1
77.5°	159.0	167.5	179.3	183.2	187.2	181.3	168.8	162.3	147.2	143.3	138.1
80°	100.1	106.0	113.2	115.8	119.8	112.6	102.7	95.5	85.1	81.8	79.2
82.5°	60.2	64.1	68.7	70.0	73.3	68.1	58.9	53.7	47.8	45.2	43.2
85°	30.8	32.7	35.3	36.0	35.3	30.1	26.8	24.2	20.3	19.6	18.3
87.5°	7.9	9.2	9.8	9.2	8.5	6.5	4.6	3.3	1.3	1.3	0.7
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)