

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: P634857

Luminaire Tested: GWS-SA3C-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634857  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14243.1 lumens  
Efficiency: N/A  
Efficacy: 153.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3

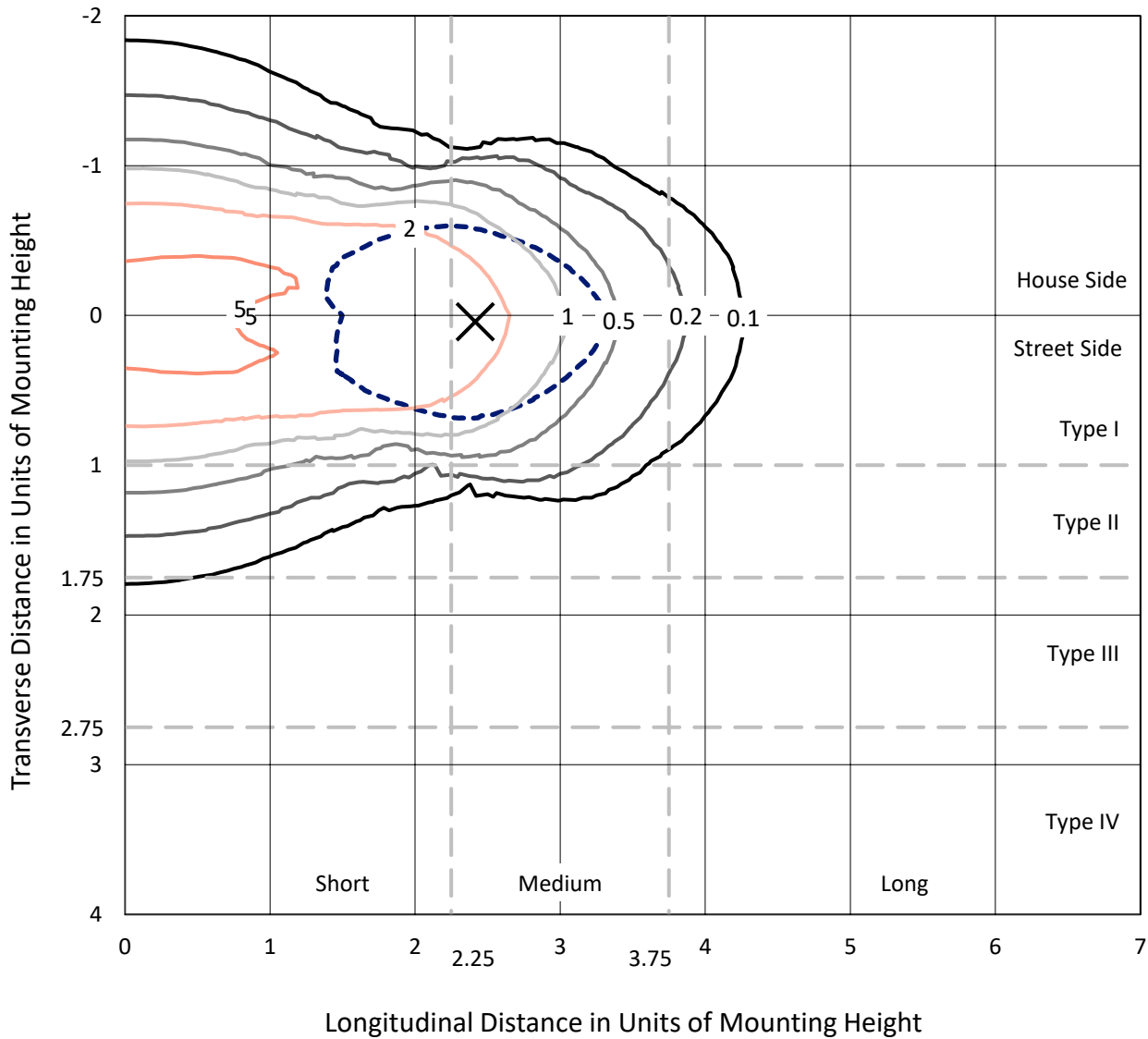
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

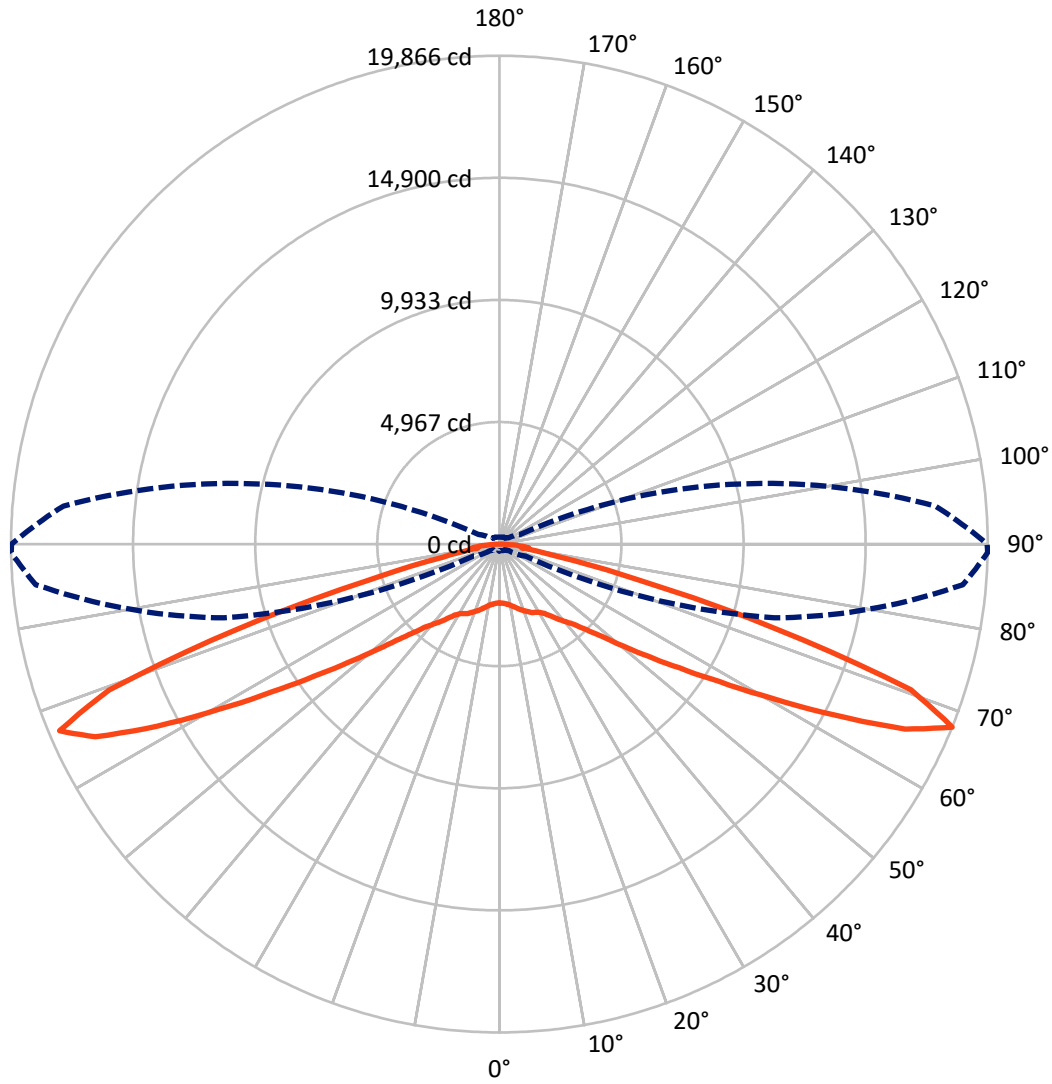
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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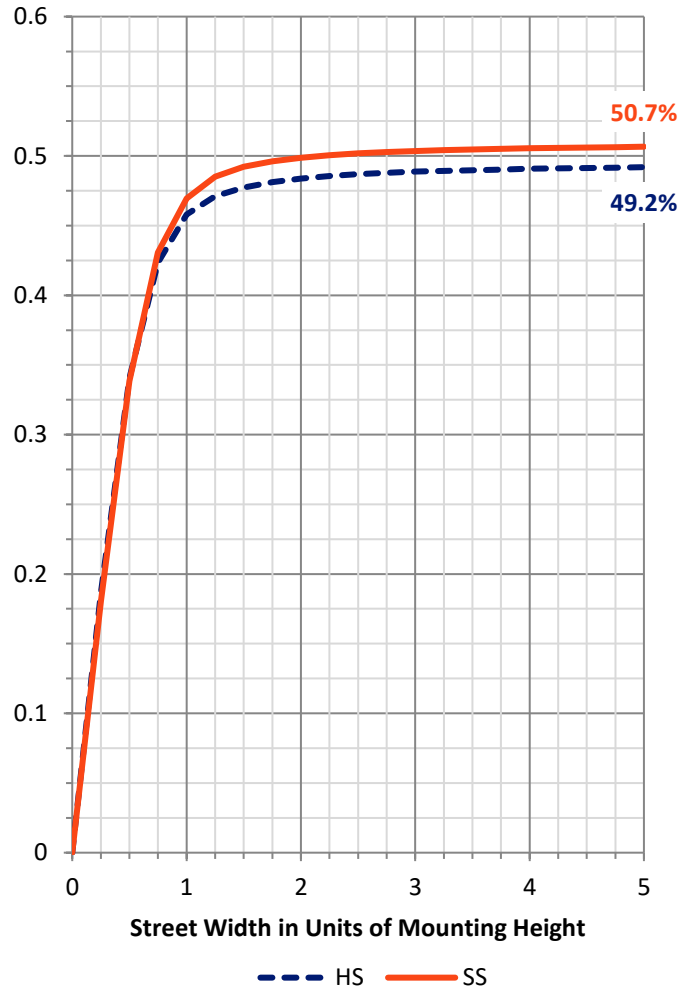
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7059.1	0.0	7059.1
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	7184.0	0.0	7184.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	14243.1	0.0	14243.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.8	1.7
10°-20°	780.8	5.5
20°-30°	1319.9	9.3
30°-40°	1811.4	12.7
40°-50°	2310.0	16.2
50°-60°	2898.2	20.3
60°-70°	3495.5	24.5
70°-80°	1264.5	8.9
80°-90°	123.0	0.9
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°	14243.1	100.0
0°-180°	14243.1	100.0

**Coefficient of Utilization**



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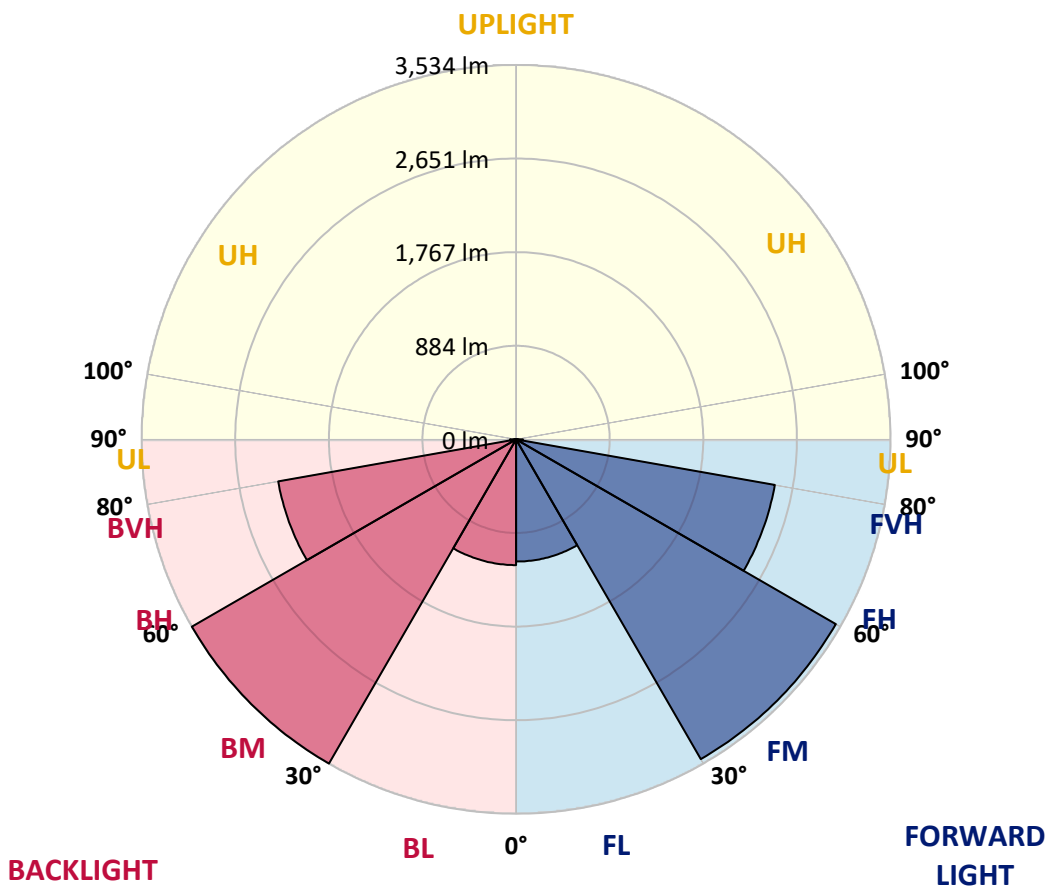
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.6	8.1			
FM (30°-60°)	3485.6	24.5			
FH (60°-80°)	2479.9	17.4			G2/5000
FVH (80°-90°)	64.9	0.5			G1/100
BL (0°-30°)	1186.9	8.3	B3/2500		
BM (30°-60°)	3534.0	24.8	B3/5000		
BH (60°-80°)	2280.1	16.0	B3/2500		G3/2500
BVH (80°-90°)	58.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2397.8	2395.7	2390.6	2405.9	2402.9	2403.9	2410.0	2405.9	2398.8	2386.5	2403.9
5°	2465.3	2464.2	2453.0	2462.2	2452.0	2444.8	2443.8	2433.6	2425.4	2412.1	2430.5
7.5°	2530.7	2529.7	2520.5	2536.9	2528.7	2520.5	2511.3	2490.8	2471.4	2452.0	2472.4
10°	2580.9	2579.8	2577.8	2601.3	2603.4	2606.4	2602.3	2567.6	2533.8	2510.3	2530.7
12.5°	2609.5	2612.6	2617.7	2660.6	2682.1	2702.6	2707.7	2679.1	2622.8	2589.0	2613.6
15°	2590.1	2596.2	2621.8	2699.5	2758.8	2804.9	2824.3	2800.8	2728.2	2671.9	2699.5
17.5°	2497.0	2502.1	2552.2	2670.9	2801.8	2908.2	2939.9	2925.6	2844.8	2776.2	2802.8
20°	2368.1	2379.3	2433.6	2599.3	2794.6	2979.8	3064.7	3059.6	2971.6	2866.3	2898.0
22.5°	2251.5	2264.8	2322.1	2505.2	2746.6	2998.2	3190.5	3203.8	3087.2	2956.3	2981.8
25°	2120.5	2132.8	2206.5	2393.7	2663.7	2983.9	3297.9	3358.3	3218.1	3059.6	3083.1
27.5°	1986.5	1995.7	2068.4	2267.8	2555.3	2957.3	3382.8	3528.1	3347.0	3131.2	3147.6
30°	1868.9	1881.2	1947.7	2142.0	2436.6	2904.1	3452.4	3709.1	3495.4	3212.0	3225.3
32.5°	1755.3	1765.6	1838.2	2018.2	2310.8	2822.3	3514.8	3921.9	3715.3	3362.4	3362.4
35°	1612.1	1630.6	1712.4	1899.6	2192.1	2713.8	3559.8	4169.5	4016.0	3584.4	3585.4
37.5°	1480.2	1490.4	1576.3	1765.6	2067.3	2591.1	3563.9	4426.2	4396.6	3866.7	3868.7
40°	1329.8	1343.1	1435.2	1622.4	1924.1	2462.2	3525.0	4665.6	4795.5	4157.2	4145.9
42.5°	1177.4	1196.8	1284.8	1467.9	1769.7	2304.7	3421.7	4893.7	5301.9	4493.7	4466.1
45°	1030.1	1042.4	1130.3	1303.2	1592.7	2116.4	3256.0	5112.6	5903.3	5005.2	4965.3
47.5°	864.4	869.5	960.5	1126.2	1409.6	1906.7	3018.7	5308.0	6564.1	5682.4	5613.8
50°	717.1	724.2	795.8	938.0	1185.6	1658.2	2723.0	5422.6	7406.0	6606.1	6487.4
52.5°	580.0	587.2	644.4	758.0	980.0	1374.8	2356.8	5396.0	8260.2	7752.8	7579.9
55°	468.5	473.6	512.5	601.5	771.3	1093.5	1924.1	5157.6	9208.4	9250.4	8878.0
57.5°	395.9	397.9	424.5	478.7	602.5	842.9	1485.3	4595.0	10202.7	11161.2	10549.5
60°	353.9	355.0	367.2	401.0	475.7	643.4	1088.4	3698.9	11232.8	13551.8	12713.0
62.5°	327.3	327.3	337.6	357.0	394.9	495.1	799.9	2656.6	11972.4	16153.1	15319.4
65°	301.8	301.8	308.9	325.3	345.8	404.1	600.5	1713.4	12335.5	18327.9	18142.7
67.5°	269.0	270.1	275.2	292.6	311.0	337.6	455.2	1159.0	11581.6	18929.3	19866.3
70°	238.3	239.4	246.5	257.8	273.1	291.5	356.0	798.9	8430.0	15765.4	17763.2
72.5°	204.6	208.7	213.8	226.1	235.3	248.6	290.5	517.6	4905.0	10141.3	11742.2
75°	167.8	172.9	179.0	191.3	197.4	202.5	239.4	369.3	2359.9	5139.2	5852.2
77.5°	129.9	135.0	142.2	153.4	157.5	163.7	183.1	267.0	1130.3	2278.1	2456.1
80°	86.9	89.0	95.1	108.4	115.6	119.7	135.0	182.1	491.0	914.5	906.3
82.5°	53.2	54.2	56.3	64.4	67.5	71.6	88.0	111.5	234.3	1039.3	1191.7
85°	19.4	18.4	17.4	22.5	26.6	30.7	40.9	56.3	102.3	714.0	798.9
87.5°	0.0	0.0	0.0	1.0	2.0	2.0	4.1	8.2	24.6	267.0	183.1
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°	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2398.8	2387.5	2401.8	2412.1	2434.6	2442.8	2444.8	2437.6	2437.6	2425.4	2427.4
5°	2426.4	2419.2	2442.8	2460.1	2492.9	2505.2	2513.3	2508.2	2511.3	2503.1	2505.2
7.5°	2468.3	2462.2	2503.1	2536.9	2570.6	2584.9	2592.1	2588.0	2589.0	2578.8	2581.9
10°	2526.6	2528.7	2577.8	2621.8	2666.8	2681.1	2684.2	2671.9	2661.7	2643.3	2644.3
12.5°	2606.4	2616.7	2686.2	2735.3	2781.3	2801.8	2779.3	2734.3	2692.4	2660.6	2656.6
15°	2693.4	2711.8	2812.0	2874.4	2924.6	2914.3	2847.8	2746.6	2663.7	2616.7	2607.5
17.5°	2797.7	2825.3	2951.2	3025.8	3068.8	3003.3	2864.2	2712.8	2597.2	2533.8	2521.5
20°	2895.9	2939.9	3098.5	3195.6	3200.8	3053.4	2857.0	2644.3	2499.0	2421.3	2404.9
22.5°	2985.9	3042.2	3252.9	3376.7	3310.2	3076.0	2813.1	2547.1	2380.4	2289.3	2275.0
25°	3084.1	3163.9	3433.0	3548.5	3419.7	3066.7	2721.0	2426.4	2237.1	2144.1	2133.8
27.5°	3151.7	3251.9	3614.0	3724.5	3509.7	3014.6	2602.3	2294.4	2106.2	2018.2	2003.9
30°	3229.4	3357.3	3813.5	3915.8	3564.9	2937.9	2475.5	2171.7	1984.5	1889.4	1879.1
32.5°	3370.6	3531.2	4061.0	4118.3	3582.3	2842.7	2353.8	2053.0	1857.6	1762.5	1748.2
35°	3597.6	3785.9	4408.8	4344.4	3569.0	2738.4	2238.2	1913.9	1727.7	1638.7	1624.4
37.5°	3884.1	4118.3	4796.5	4548.0	3532.2	2623.8	2101.1	1797.3	1611.1	1521.1	1512.9
40°	4151.1	4439.5	5231.3	4723.9	3457.5	2482.7	1969.1	1675.6	1485.3	1390.2	1371.8
42.5°	4485.6	4869.2	5734.6	4876.3	3334.8	2313.9	1820.8	1525.2	1327.8	1241.8	1219.3
45°	4993.9	5470.6	6319.7	5022.6	3151.7	2106.2	1634.6	1342.1	1154.9	1066.9	1049.5
47.5°	5628.2	6222.5	6953.9	5109.5	2873.4	1887.3	1423.9	1148.8	961.6	862.3	854.1
50°	6519.1	7316.0	7634.1	5094.2	2562.4	1627.5	1186.6	918.6	762.1	690.5	679.2
52.5°	7604.5	8688.8	8369.6	4910.1	2232.0	1331.9	924.7	721.2	604.6	553.4	544.2
55°	8966.0	10332.6	9144.0	4515.2	1814.7	1019.9	726.3	568.7	489.0	458.3	454.2
57.5°	10651.8	12461.3	9889.7	3850.3	1364.6	778.5	559.5	469.5	431.7	413.3	412.2
60°	12876.7	14721.0	10537.2	2992.1	976.9	595.3	462.4	419.4	389.7	377.5	376.4
62.5°	15522.0	16773.0	10940.2	2037.7	734.5	474.6	407.1	380.5	363.1	356.0	355.0
65°	18240.9	18070.1	10747.9	1334.9	557.5	403.0	365.2	350.9	335.5	328.4	328.4
67.5°	19846.9	17795.9	9271.8	926.8	441.9	353.9	329.4	316.1	290.5	284.4	284.4
70°	17579.1	14420.3	6077.2	678.2	358.0	309.9	286.4	268.0	257.8	251.6	250.6
72.5°	11626.6	9383.3	3231.4	470.5	298.7	263.9	242.4	235.3	223.0	216.9	215.8
75°	5786.7	4928.5	1656.1	339.6	248.6	211.7	202.5	199.5	189.2	181.1	179.0
77.5°	2412.1	2194.2	772.3	246.5	189.2	170.8	162.6	162.6	151.4	142.2	138.1
80°	909.4	810.2	365.2	168.8	140.1	126.8	121.7	117.6	108.4	97.2	91.0
82.5°	1216.3	794.8	179.0	105.4	92.1	81.8	74.7	71.6	66.5	61.4	57.3
85°	787.7	564.7	80.8	54.2	46.0	34.8	30.7	28.6	25.6	22.5	20.5
87.5°	160.6	189.2	24.6	10.2	6.1	3.1	3.1	1.0	0.0	0.0	0.0
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)