

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: P642027

Luminaire Tested: GWS-SA6C-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20736.2 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

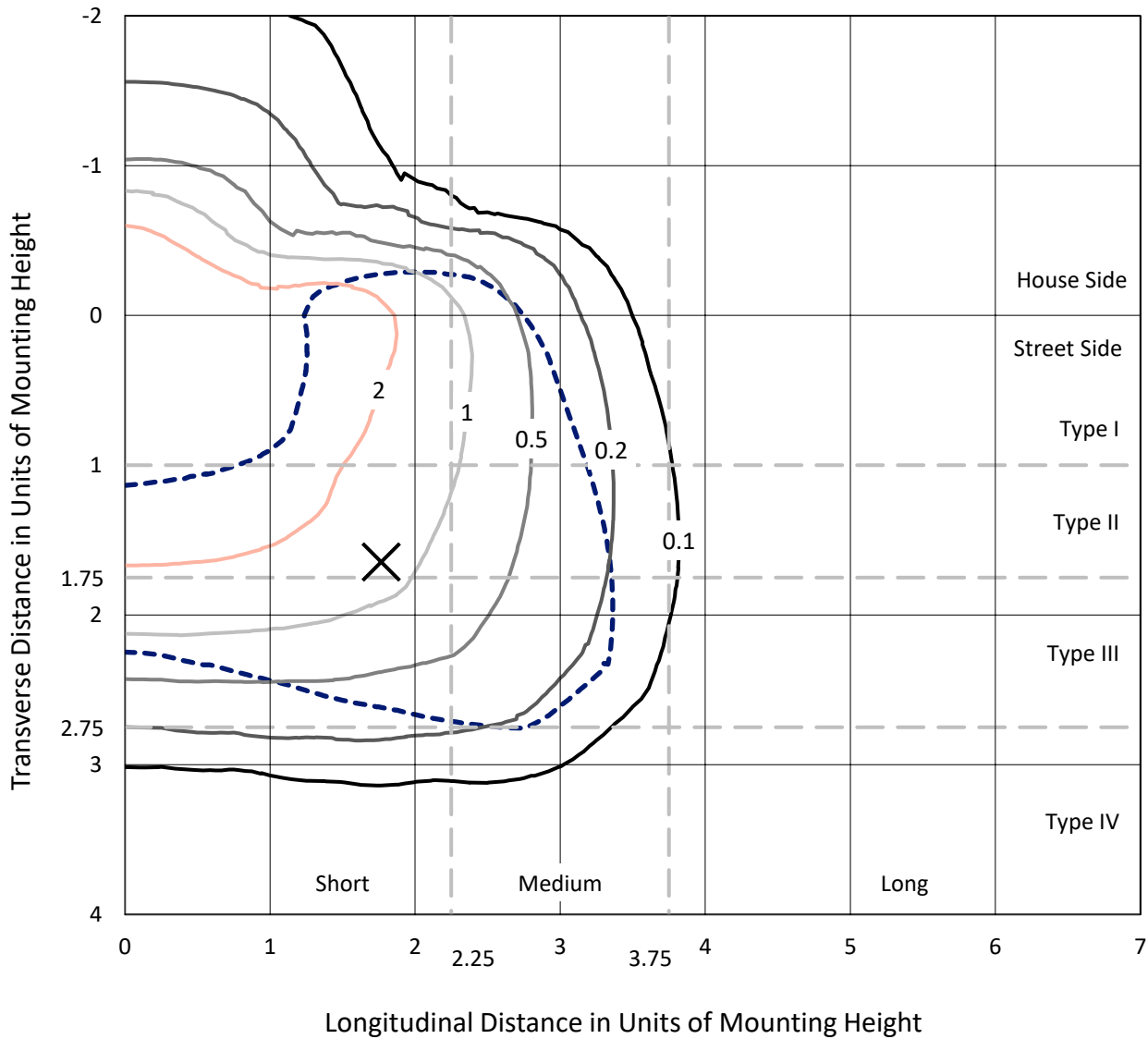
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

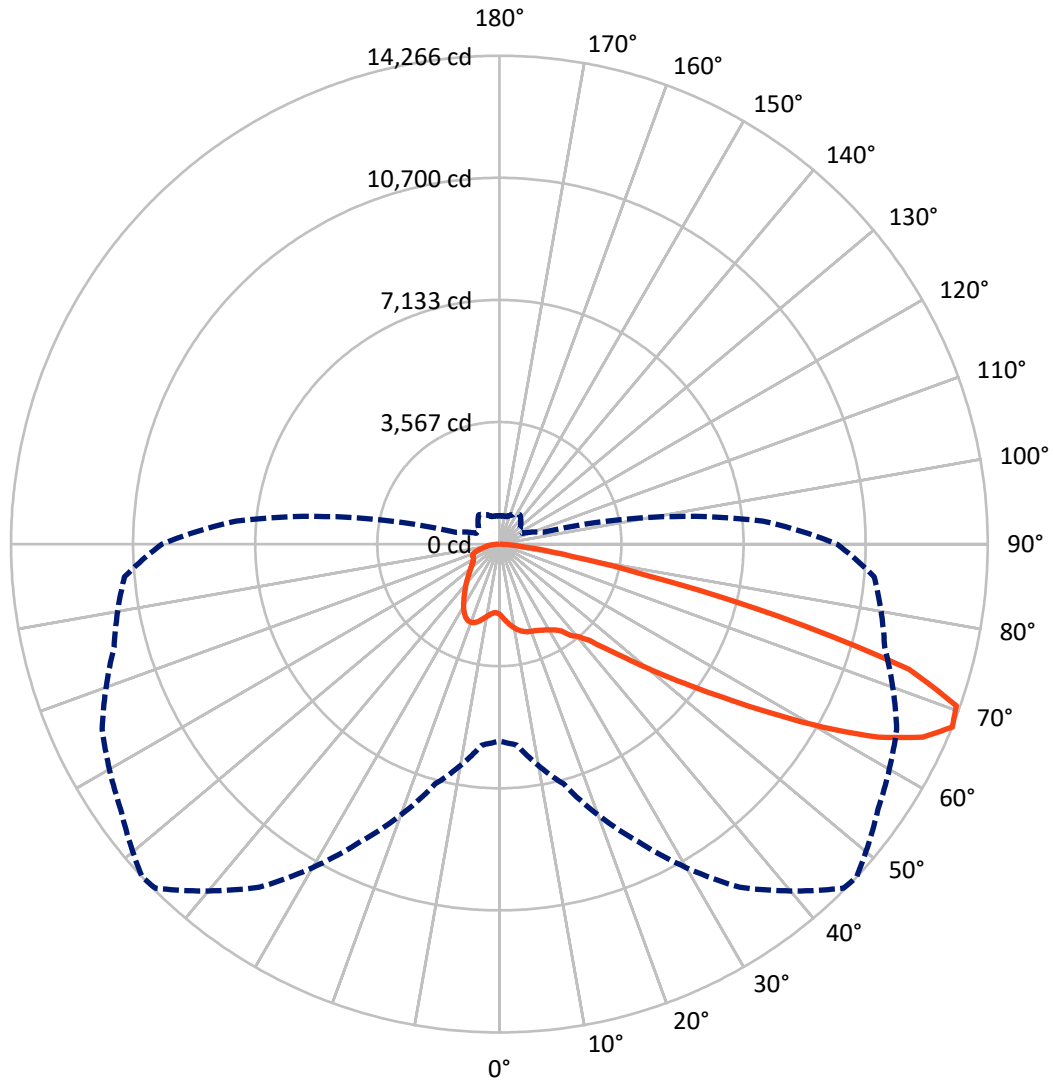
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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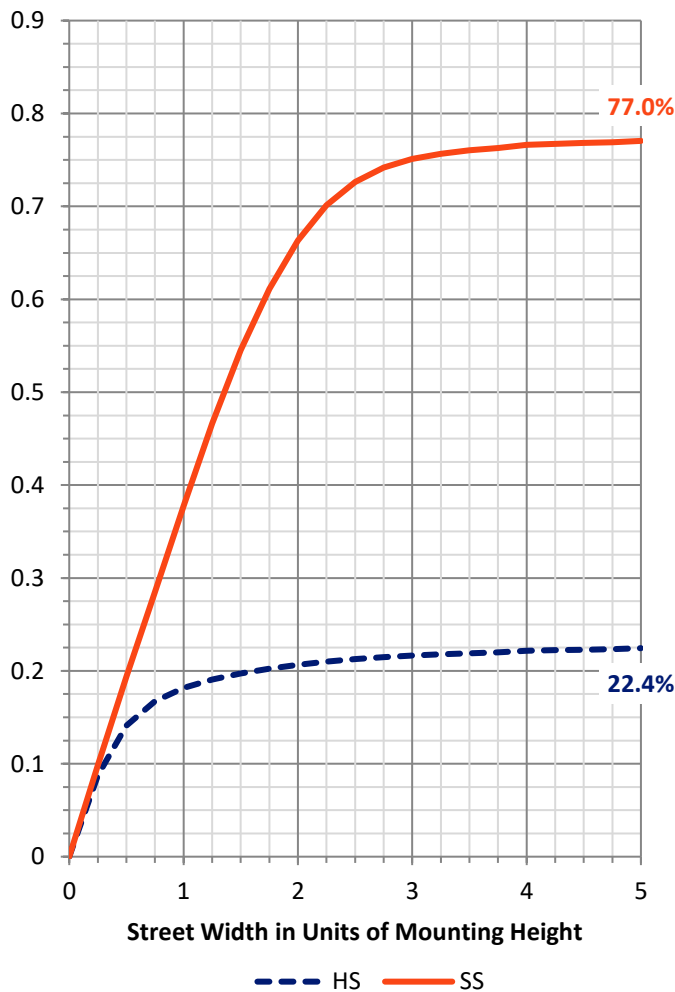
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4725.9	0.0	4725.9
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	16010.3	0.0	16010.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	20736.2	0.0	20736.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	1.0
10°-20°	699.9	3.4
20°-30°	1189.7	5.7
30°-40°	1742.8	8.4
40°-50°	2655.3	12.8
50°-60°	4751.0	22.9
60°-70°	6339.6	30.6
70°-80°	2866.9	13.8
80°-90°	280.9	1.4
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°	20736.2	100.0
0°-180°	20736.2	100.0

Coefficient of Utilization



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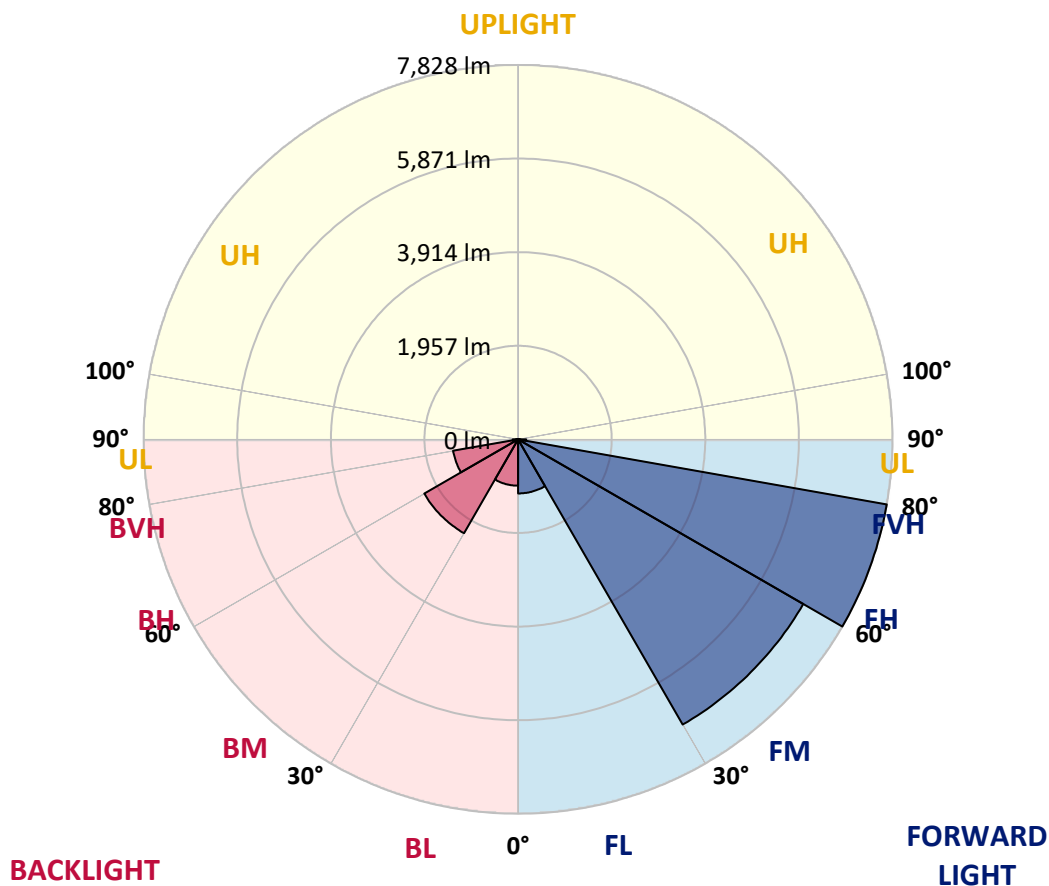
CATALOG NUMBER: GWS-SA6C-722-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.9	5.5			
FM (30°-60°)	6884.6	33.2			
FH (60°-80°)	7827.7	37.7			G4/12000
FVH (80°-90°)	167.1	0.8			G2/225
BL (0°-30°)	968.8	4.7	B2/1000		
BM (30°-60°)	2264.4	10.9	B2/2500		
BH (60°-80°)	1378.9	6.6	B3/2500		G3/2500
BVH (80°-90°)	113.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6
2.5°	2192.1	2199.6	2198.1	2186.1	2178.6	2165.1	2166.6	2145.6	2114.1	2093.1	2069.1
5°	2385.5	2397.5	2382.5	2363.0	2333.0	2289.5	2285.0	2237.0	2177.1	2135.1	2091.6
7.5°	2553.4	2560.9	2542.9	2509.9	2466.4	2408.0	2397.5	2340.5	2265.5	2199.6	2136.6
10°	2683.8	2692.8	2668.8	2625.4	2568.4	2509.9	2502.4	2443.9	2364.5	2286.5	2207.0
12.5°	2794.8	2797.8	2772.3	2713.8	2652.4	2592.4	2584.9	2530.9	2457.4	2378.0	2291.0
15°	2859.3	2860.8	2829.3	2764.8	2706.3	2653.9	2649.4	2602.9	2535.4	2460.4	2367.5
17.5°	2854.8	2857.8	2835.3	2778.3	2727.3	2695.8	2691.3	2661.4	2608.9	2541.4	2448.4
20°	2799.3	2802.3	2787.3	2749.8	2722.8	2713.8	2715.3	2706.3	2674.8	2619.4	2524.9
22.5°	2755.8	2760.3	2746.8	2719.8	2716.8	2737.8	2742.3	2746.8	2731.8	2682.3	2590.9
25°	2776.8	2784.3	2763.3	2725.8	2731.8	2778.3	2787.3	2802.3	2790.3	2748.3	2668.8
27.5°	2922.2	2926.7	2872.8	2796.3	2778.3	2827.8	2841.3	2865.3	2856.3	2817.3	2755.8
30°	3259.6	3256.6	3141.1	2953.7	2878.8	2898.3	2908.7	2943.2	2946.2	2920.7	2862.3
32.5°	3734.9	3719.9	3541.5	3243.1	3025.7	2977.7	2989.7	3036.2	3070.7	3043.7	2964.2
35°	4237.2	4223.7	4027.3	3677.9	3297.1	3130.7	3117.2	3153.1	3205.6	3130.7	3016.7
37.5°	4715.5	4694.5	4493.6	4061.7	3631.4	3399.0	3379.5	3343.6	3312.1	3168.1	3081.2
40°	5246.2	5222.2	5046.8	4558.0	4000.3	3604.4	3555.0	3412.5	3384.0	3292.6	3249.1
42.5°	5813.0	5813.0	5667.6	5186.3	4445.6	3898.3	3833.8	3619.4	3649.4	3589.5	3538.5
45°	6379.7	6396.2	6280.8	5819.0	5040.8	4453.1	4349.6	4045.3	4117.2	4090.2	4064.7
47.5°	6862.5	6894.0	6871.5	6465.2	5769.5	5127.8	4970.4	4654.0	4808.4	4872.9	4944.9
50°	7382.8	7417.3	7394.8	7234.4	6622.6	5944.9	5804.0	5477.1	5742.5	5935.9	6171.3
52.5°	8155.0	8204.5	8017.0	7955.6	7658.7	6873.0	6747.1	6375.3	6856.5	7177.4	7702.2
55°	8807.2	8805.7	8739.7	8880.7	8771.2	8008.0	7868.6	7531.3	8146.0	8486.3	9254.0
57.5°	9110.1	9146.1	9372.5	9771.3	9990.2	9394.9	9261.5	8916.7	9529.9	9706.8	10536.0
60°	9266.0	9311.0	9748.8	10537.5	11126.7	10909.3	10856.8	10417.5	10762.4	10741.4	11617.0
62.5°	9047.1	9137.1	9840.3	10888.3	11937.9	12431.1	12414.6	11750.4	11810.4	11605.0	12287.2
65°	8042.5	8140.0	9243.5	10712.9	12401.2	13588.6	13593.1	12957.4	12615.6	12024.8	12174.8
67.5°	5751.5	5891.0	7255.4	9585.4	12237.7	14213.9	14266.3	13504.7	12804.5	11653.0	10993.3
70°	3135.1	3237.1	4306.1	6967.5	10765.4	14063.9	14161.4	13240.8	11970.8	10080.2	8462.4
72.5°	1424.4	1457.4	2003.1	3823.4	7354.3	12105.8	12513.6	11816.4	9831.3	7445.8	5381.2
75°	652.2	667.2	872.6	1829.2	3842.8	8101.0	8387.4	8801.2	6841.6	4702.0	2805.3
77.5°	409.3	413.8	496.3	836.6	1916.2	4043.8	4345.1	5240.2	4006.3	2327.0	1172.5
80°	241.4	245.9	308.9	452.8	899.6	1850.2	2136.6	2072.1	1883.2	1004.6	533.8
82.5°	121.4	125.9	178.4	257.9	490.3	736.2	866.6	871.1	701.7	544.3	301.4
85°	43.5	45.0	58.5	102.0	208.4	242.9	271.4	331.4	343.4	316.4	145.4
87.5°	0.0	0.0	1.5	3.0	6.0	24.0	25.5	48.0	100.5	112.5	58.5
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°	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6	2055.6
2.5°	2061.6	2039.1	2031.6	2024.1	2012.1	2007.6	1998.6	1989.6	1989.6	1980.6	1976.1
5°	2072.1	2042.1	2022.6	2013.6	2006.1	2010.6	2010.6	2013.6	2024.1	2018.1	2021.1
7.5°	2109.6	2075.1	2048.1	2040.6	2040.6	2058.6	2070.6	2085.6	2105.1	2108.1	2108.1
10°	2175.6	2135.1	2106.6	2102.1	2109.6	2135.1	2153.1	2171.1	2195.1	2196.6	2199.6
12.5°	2247.5	2207.0	2178.6	2184.6	2192.1	2225.0	2244.5	2259.5	2283.5	2283.5	2282.0
15°	2322.5	2277.5	2253.5	2265.5	2288.0	2325.5	2328.5	2330.0	2342.0	2339.0	2337.5
17.5°	2400.5	2352.5	2334.5	2352.5	2376.5	2394.5	2379.5	2358.5	2354.0	2348.0	2345.0
20°	2476.9	2427.5	2420.0	2433.5	2440.9	2426.0	2379.5	2340.5	2322.5	2313.5	2310.5
22.5°	2542.9	2500.9	2496.4	2496.4	2458.9	2406.5	2337.5	2285.0	2261.0	2249.0	2246.0
25°	2620.9	2581.9	2574.4	2533.9	2437.9	2342.0	2249.0	2201.1	2181.6	2175.6	2177.1
27.5°	2712.3	2685.3	2661.4	2545.9	2378.0	2228.0	2123.1	2102.1	2094.6	2102.1	2106.6
30°	2824.8	2797.8	2743.8	2530.9	2282.0	2079.6	1979.1	1977.6	2000.1	2019.6	2022.6
32.5°	2916.2	2904.2	2815.8	2482.9	2147.1	1916.2	1830.7	1836.7	1877.2	1904.2	1908.7
35°	2988.2	3007.7	2875.8	2403.5	1986.6	1761.7	1694.3	1697.3	1719.8	1757.2	1758.7
37.5°	3090.2	3156.1	2929.7	2282.0	1802.2	1628.3	1566.8	1544.3	1541.3	1551.8	1554.8
40°	3295.6	3394.5	2968.7	2105.1	1623.8	1508.3	1439.4	1395.9	1358.4	1329.9	1320.9
42.5°	3605.9	3719.9	2991.2	1890.7	1464.9	1389.9	1311.9	1256.5	1190.5	1130.5	1109.5
45°	4175.7	4213.2	2991.2	1662.8	1323.9	1278.9	1201.0	1135.0	1051.0	980.6	965.6
47.5°	5087.3	4967.4	2994.2	1442.4	1199.5	1181.5	1114.0	1039.1	946.1	887.6	878.6
50°	6460.7	6039.4	3055.7	1259.5	1096.0	1099.0	1049.5	967.1	883.1	839.6	832.1
52.5°	8017.0	7360.3	3220.6	1124.5	1009.1	1031.6	1004.6	925.1	850.1	812.6	805.2
55°	9480.4	8574.8	3361.6	1028.6	935.6	974.6	973.1	899.6	832.1	794.7	790.2
57.5°	10724.9	9406.9	3340.6	950.6	872.6	922.1	944.6	883.1	820.1	788.7	784.2
60°	11498.5	9847.8	3042.2	878.6	824.6	884.6	928.1	878.6	826.1	818.6	820.1
62.5°	11834.4	9766.8	2469.4	824.6	793.2	866.6	946.1	910.1	881.6	899.6	910.1
65°	11312.6	9071.1	1817.2	784.2	763.2	871.1	988.1	959.6	881.6	893.6	898.1
67.5°	9864.2	7721.7	1313.4	743.7	725.7	884.6	1048.0	952.1	830.6	830.6	821.6
70°	7108.4	5553.6	953.6	703.2	688.2	865.1	1051.0	901.1	772.2	767.7	745.2
72.5°	4277.7	3276.1	743.7	658.2	631.2	767.7	985.1	841.1	715.2	677.7	650.7
75°	2222.0	1641.8	623.7	608.7	541.3	650.7	901.1	748.2	611.7	578.8	563.8
77.5°	952.1	767.7	535.3	542.8	449.8	547.3	727.2	647.7	542.8	500.8	487.3
80°	469.3	436.3	422.8	434.8	359.8	422.8	626.7	566.8	460.3	412.3	392.8
82.5°	268.4	254.9	304.4	308.9	256.4	353.8	529.3	479.8	380.8	328.4	296.9
85°	124.4	133.4	184.4	185.9	158.9	242.9	346.4	269.9	202.4	167.9	160.4
87.5°	49.5	58.5	81.0	79.5	46.5	45.0	30.0	16.5	13.5	12.0	10.5
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)