

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: P639550

Luminaire Tested: GWS-SA5C-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16942.3 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

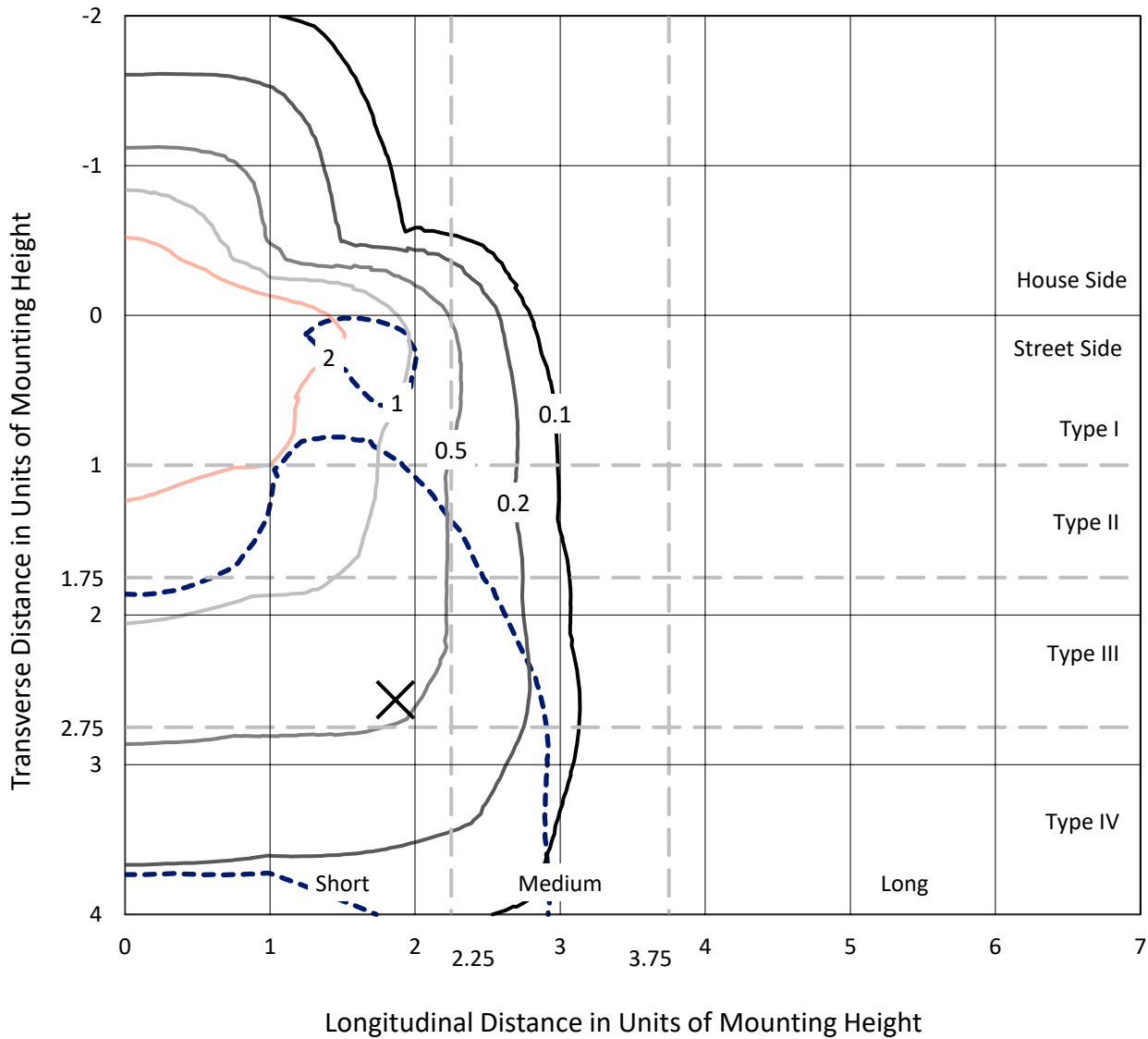
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

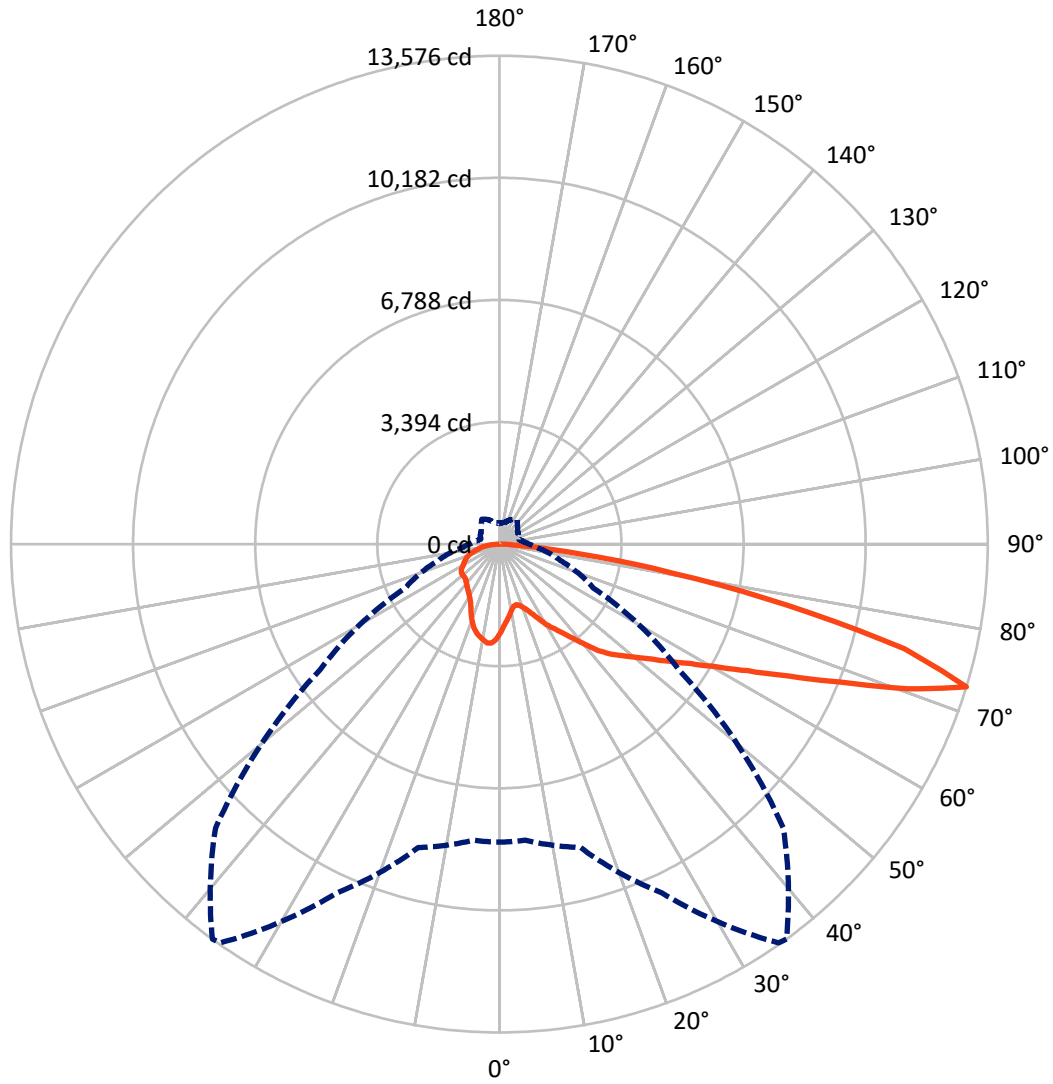
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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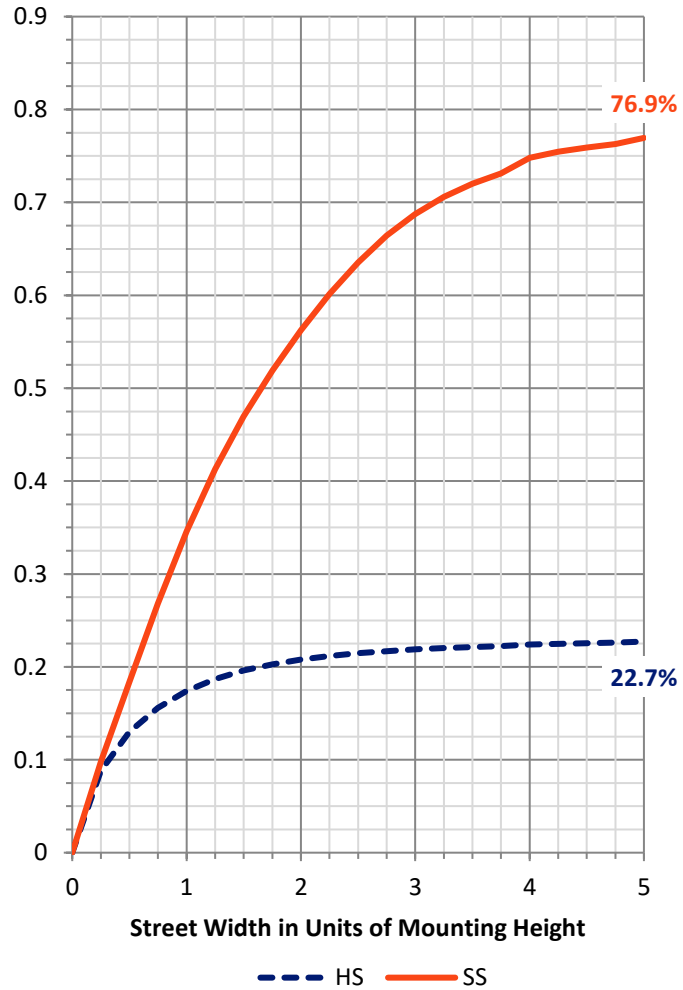
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3905.9	0.0	3905.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	13036.4	0.0	13036.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	16942.3	0.0	16942.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.8	1.4
10°-20°	653.9	3.9
20°-30°	1083.0	6.4
30°-40°	1621.9	9.6
40°-50°	2366.2	14.0
50°-60°	3367.8	19.9
60°-70°	4254.9	25.1
70°-80°	3032.0	17.9
80°-90°	331.0	2.0
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°	16942.3	100.0
0°-180°	16942.3	100.0

Coefficient of Utilization



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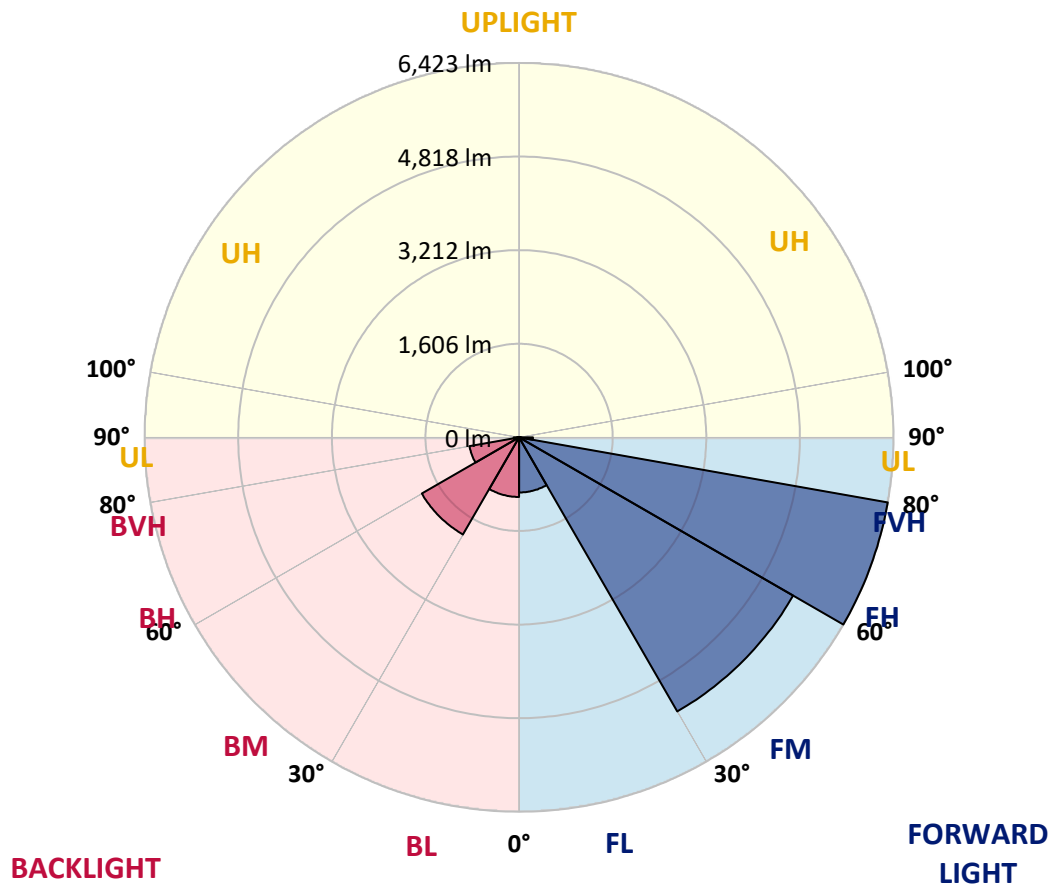
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	945.8	5.6			
FM (30°-60°)	5429.6	32.0			
FH (60°-80°)	6423.4	37.9			G3/7500
FVH (80°-90°)	237.6	1.4			G3/500
BL (0°-30°)	1022.8	6.0	B3/2500		
BM (30°-60°)	1926.2	11.4	B2/2500		
BH (60°-80°)	863.5	5.1	B2/1000		G2/1000
BVH (80°-90°)	93.4	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6
2.5°	2262.1	2258.3	2250.7	2273.4	2296.0	2293.5	2324.9	2355.1	2387.8	2421.7	2467.0
5°	2081.0	2078.5	2072.2	2106.1	2140.1	2138.8	2190.4	2239.4	2306.1	2379.0	2469.5
7.5°	1899.9	1893.6	1902.4	1945.2	1993.0	1998.0	2068.4	2148.9	2245.7	2355.1	2483.4
10°	1740.2	1739.0	1742.7	1790.5	1862.2	1867.2	1957.8	2069.7	2197.9	2343.8	2514.8
12.5°	1698.7	1696.2	1686.2	1710.1	1764.1	1771.7	1871.0	2008.1	2165.2	2350.1	2557.5
15°	1766.6	1760.4	1725.1	1713.8	1740.2	1746.5	1830.8	1971.6	2146.4	2361.4	2611.6
17.5°	1883.6	1879.8	1813.2	1766.6	1784.2	1789.3	1852.1	1965.3	2141.3	2384.0	2678.2
20°	2054.6	2038.2	1933.9	1863.5	1863.5	1871.0	1908.7	1993.0	2147.6	2411.7	2753.7
22.5°	2280.9	2248.2	2101.1	2005.5	1980.4	1990.5	2006.8	2062.1	2174.0	2458.2	2848.0
25°	2534.9	2504.7	2330.0	2195.4	2160.2	2164.0	2150.1	2160.2	2231.9	2522.3	2964.9
27.5°	2805.2	2785.1	2599.0	2428.0	2372.7	2372.7	2323.7	2299.8	2312.3	2595.3	3095.7
30°	3046.7	3019.0	2861.8	2674.5	2601.5	2601.5	2508.5	2456.9	2426.8	2684.5	3270.5
32.5°	3173.7	3157.3	3053.0	2909.6	2820.3	2806.5	2726.0	2665.7	2595.3	2816.6	3506.9
35°	3339.6	3335.9	3273.0	3161.1	3047.9	3027.8	2972.5	2924.7	2802.7	2981.3	3821.2
37.5°	3548.4	3542.1	3532.0	3465.4	3329.6	3325.8	3276.8	3218.9	3060.5	3218.9	4202.2
40°	3782.2	3770.9	3758.4	3757.1	3675.4	3661.5	3657.8	3592.4	3371.1	3505.6	4599.5
42.5°	4104.1	4065.2	3947.0	3999.8	4060.1	4047.6	4095.3	3997.3	3758.4	3846.4	4975.5
45°	4500.2	4404.7	4170.8	4185.9	4338.0	4363.2	4529.1	4505.2	4184.6	4239.9	5371.6
47.5°	4737.9	4654.9	4437.3	4424.8	4614.6	4646.1	5006.9	5052.2	4643.6	4714.0	5860.7
50°	4932.8	4874.9	4696.4	4714.0	4915.2	4946.6	5481.0	5577.8	5076.1	5199.3	6429.1
52.5°	5167.9	5084.9	4946.6	5029.6	5276.0	5313.7	6007.8	6112.2	5465.9	5732.5	7017.5
55°	5299.9	5266.0	5268.5	5395.5	5704.8	5756.4	6559.8	6542.2	5823.0	6188.9	7460.1
57.5°	5604.2	5591.6	5707.3	5755.1	6205.2	6271.9	7111.8	6960.9	6147.4	6542.2	7672.6
60°	6141.1	6109.7	6210.3	6283.2	6823.9	6918.2	7727.9	7370.8	6367.4	6805.0	7600.9
62.5°	6895.6	6856.6	6860.3	6976.0	7652.5	7751.8	8413.2	7712.9	6435.3	6845.3	7147.0
65°	7833.6	7777.0	7712.9	7870.0	8752.7	8835.7	9158.9	7961.8	6273.1	6458.0	6199.0
67.5°	8823.1	8776.6	8701.2	9030.6	10177.3	10227.6	9995.0	7940.4	5758.9	5421.9	4348.1
70°	8881.0	8892.3	9249.4	10441.4	12037.0	12049.6	10785.9	7510.4	4663.7	3514.4	2166.5
72.5°	8285.0	8266.1	8731.3	10699.2	13533.3	13576.1	11159.4	6084.5	2881.9	1752.8	1016.0
75°	6729.6	6762.3	7251.4	9361.3	11599.5	11637.2	9097.2	3587.3	1369.3	857.5	650.1
77.5°	2897.0	3079.4	4043.8	6595.0	8307.6	8190.7	4688.8	1453.5	730.5	611.1	497.9
80°	836.2	907.8	1441.0	3135.9	4978.0	4890.0	1855.9	544.5	509.2	458.9	357.1
82.5°	270.3	299.3	528.1	1248.6	2230.6	2228.1	704.1	321.9	333.2	311.8	230.1
85°	75.4	86.8	162.2	378.5	690.3	676.5	203.7	152.1	177.3	179.8	114.4
87.5°	0.0	0.0	1.3	2.5	2.5	2.5	5.0	22.6	51.6	65.4	46.5
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°	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6	2479.6
2.5°	2494.7	2490.9	2542.5	2582.7	2620.4	2645.6	2653.1	2658.1	2668.2	2673.2	2668.2
5°	2512.3	2531.1	2616.6	2679.5	2729.8	2760.0	2761.2	2758.7	2766.3	2760.0	2756.2
7.5°	2550.0	2586.5	2694.6	2761.2	2793.9	2795.2	2765.0	2729.8	2712.2	2697.1	2692.1
10°	2600.3	2654.4	2772.6	2816.6	2806.5	2760.0	2693.3	2638.0	2606.6	2583.9	2578.9
12.5°	2669.4	2729.8	2841.7	2840.5	2777.6	2694.6	2616.6	2550.0	2504.7	2478.3	2469.5
15°	2734.8	2811.5	2892.0	2832.9	2733.6	2633.0	2532.4	2443.1	2382.8	2341.3	2333.7
17.5°	2815.3	2897.0	2928.5	2809.0	2678.2	2548.7	2414.2	2297.3	2215.5	2166.5	2162.7
20°	2908.4	2981.3	2946.1	2767.5	2606.6	2436.8	2254.5	2123.7	2035.7	1987.9	1991.7
22.5°	3016.5	3069.3	2951.1	2710.9	2507.2	2278.4	2074.7	1949.0	1889.9	1864.7	1866.0
25°	3132.2	3166.1	2942.3	2634.2	2355.1	2084.8	1889.9	1832.0	1827.0	1820.7	1823.2
27.5°	3269.2	3261.7	2915.9	2526.1	2150.1	1859.7	1760.4	1775.4	1795.6	1793.0	1795.6
30°	3452.8	3381.1	2881.9	2376.5	1906.2	1671.1	1683.7	1726.4	1752.8	1755.3	1762.9
32.5°	3662.8	3513.2	2827.9	2172.8	1673.6	1565.5	1612.0	1663.5	1695.0	1701.3	1711.3
35°	3913.0	3664.0	2732.3	1918.8	1506.4	1502.6	1545.3	1580.5	1614.5	1617.0	1617.0
37.5°	4201.0	3814.9	2580.2	1638.4	1403.3	1448.5	1488.8	1496.3	1505.1	1497.6	1501.3
40°	4465.0	3960.8	2363.9	1383.1	1319.0	1400.7	1434.7	1409.5	1381.9	1363.0	1366.8
42.5°	4686.3	4060.1	2077.2	1204.6	1233.5	1358.0	1384.4	1332.8	1278.8	1243.6	1248.6
45°	4935.3	4151.9	1740.2	1083.9	1160.6	1327.8	1345.4	1278.8	1209.6	1156.8	1149.3
47.5°	5278.5	4339.3	1441.0	999.6	1109.0	1311.5	1340.4	1249.8	1159.3	1080.1	1071.3
50°	5702.3	4604.6	1190.8	944.3	1085.1	1302.7	1339.1	1218.4	1110.3	1017.2	1010.9
52.5°	6165.0	4863.6	1005.9	901.6	1061.2	1276.3	1332.8	1183.2	1058.7	958.1	950.6
55°	6473.1	4965.4	881.4	861.3	1022.3	1234.8	1307.7	1149.3	980.8	889.0	877.7
57.5°	6563.6	4834.7	794.7	824.9	972.0	1176.9	1259.9	1077.6	933.0	860.1	851.3
60°	6407.7	4505.2	740.6	794.7	916.6	1102.7	1176.9	1036.1	895.3	829.9	823.6
62.5°	5967.6	3997.3	699.1	763.2	860.1	1024.8	1124.1	985.8	853.8	802.2	793.4
65°	5082.4	3278.0	665.2	730.5	806.0	950.6	1066.3	935.5	808.5	769.5	759.5
67.5°	3554.7	2302.3	628.7	691.6	751.9	878.9	1005.9	889.0	762.0	733.1	723.0
70°	1737.7	1220.9	584.7	646.3	694.1	806.0	945.6	832.4	700.4	684.0	670.2
72.5°	827.4	682.8	533.1	584.7	614.9	709.2	845.0	750.7	627.4	592.2	568.3
75°	554.5	485.4	465.2	511.8	519.3	594.7	724.3	647.6	553.3	513.0	492.9
77.5°	420.0	370.9	391.0	432.5	417.5	489.1	596.0	577.1	499.2	462.7	452.7
80°	295.5	270.3	310.6	335.7	324.4	416.2	536.9	494.2	411.2	370.9	363.4
82.5°	186.1	181.1	228.8	232.6	236.4	329.4	441.3	388.5	319.4	262.8	243.9
85°	93.0	103.1	137.1	137.1	135.8	169.7	251.5	218.8	172.3	137.1	133.3
87.5°	31.4	44.0	59.1	47.8	36.5	28.9	32.7	40.2	42.8	41.5	41.5
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)