

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: P635057

Luminaire Tested: GWS-SA3D-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635057  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

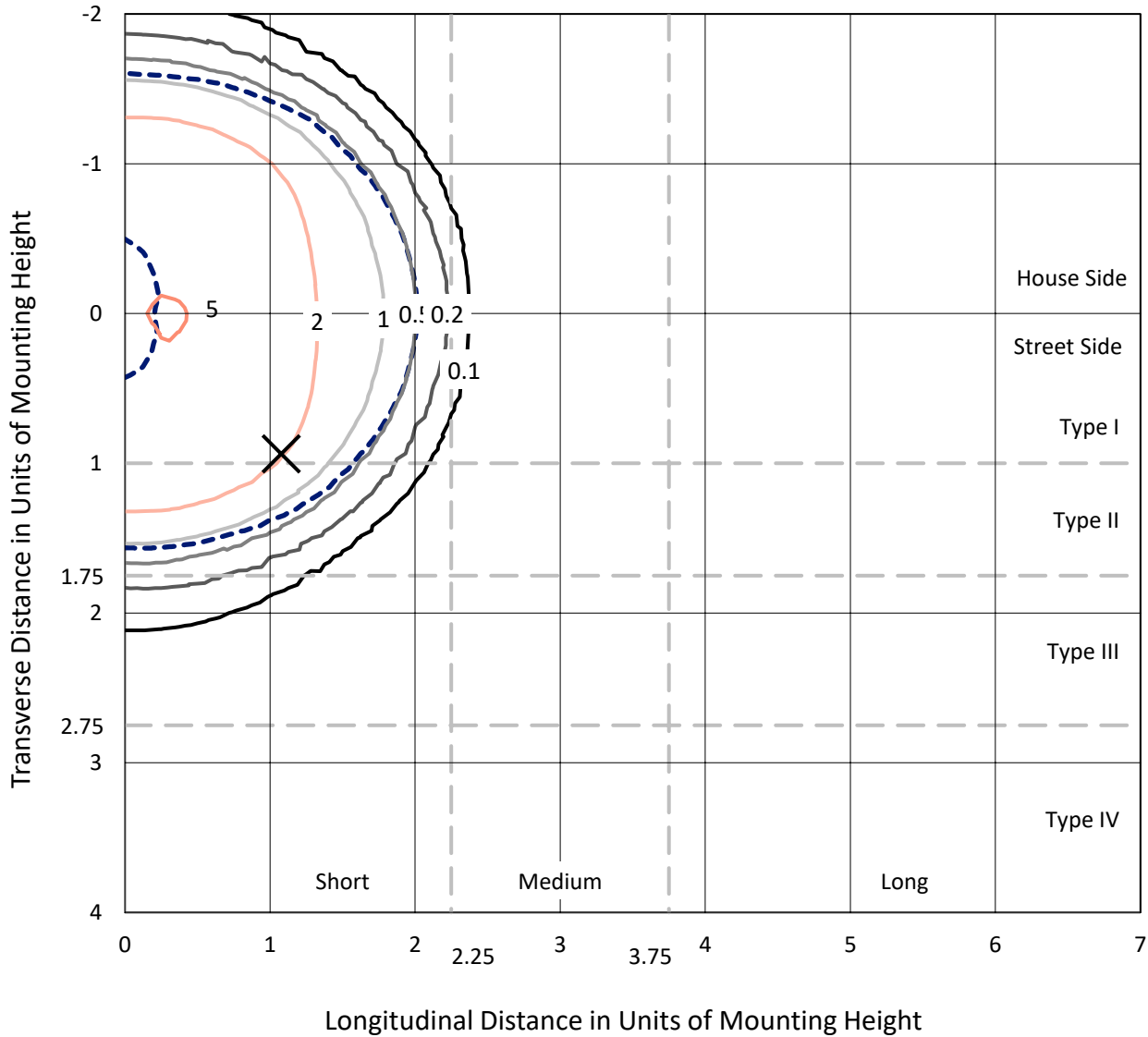
Lumens per Lamp: N/A  
Luminaire Lumens: 11427.1 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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: P635057  
 CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

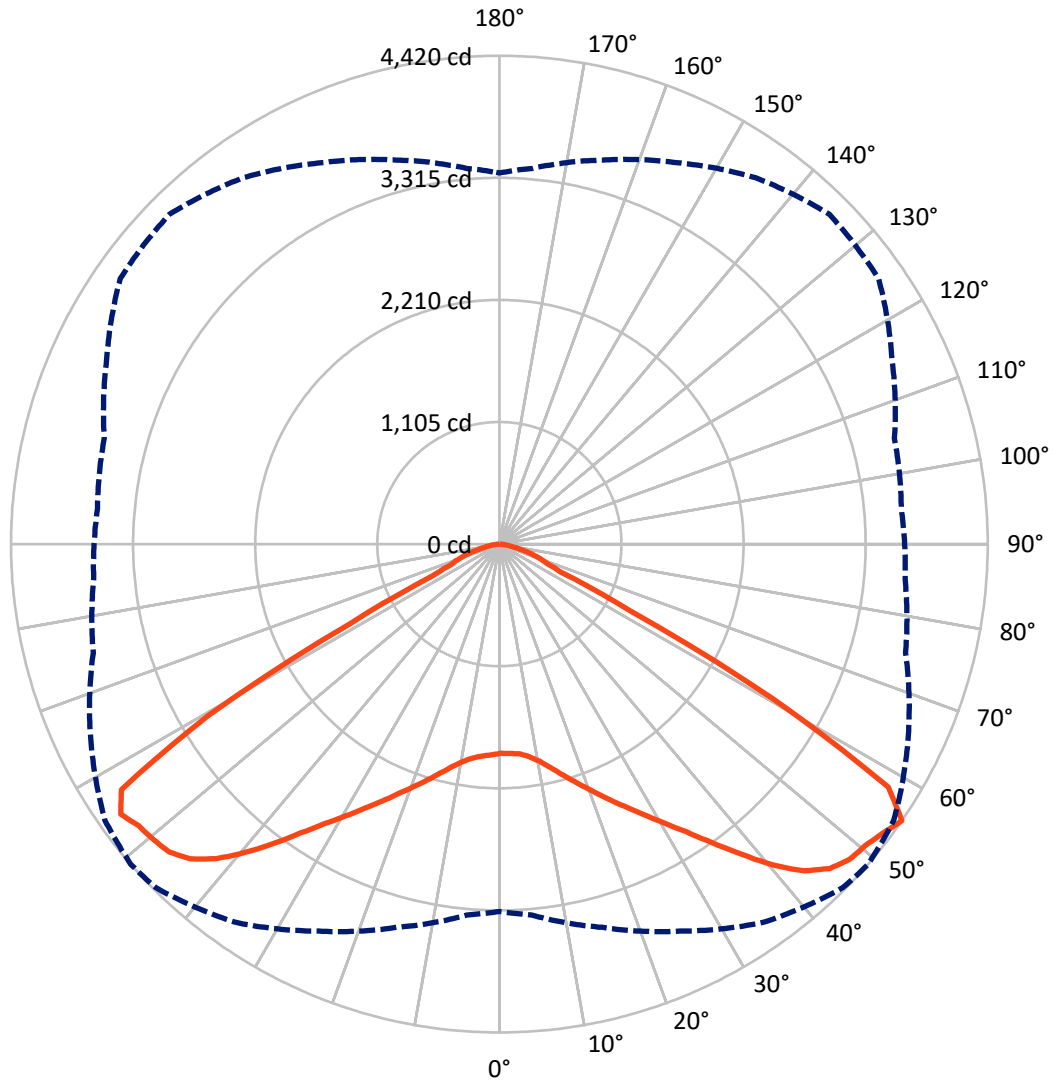
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P635057  
CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P635057

CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSWH

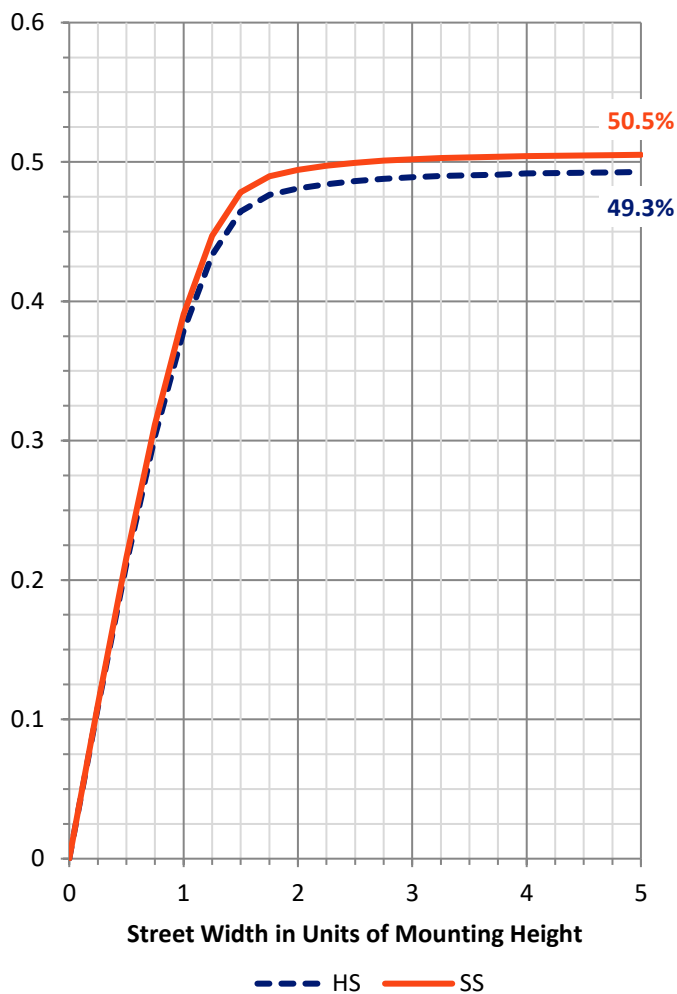
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5657.5	0.0	5657.5
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	5769.6	0.0	5769.6
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	11427.1	0.0	11427.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.7	1.6
10°-20°	609.1	5.3
20°-30°	1160.1	10.2
30°-40°	1966.7	17.2
40°-50°	2959.7	25.9
50°-60°	3239.7	28.4
60°-70°	1024.4	9.0
70°-80°	245.9	2.2
80°-90°	36.9	0.3
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°	11427.1	100.0
0°-180°	11427.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635057

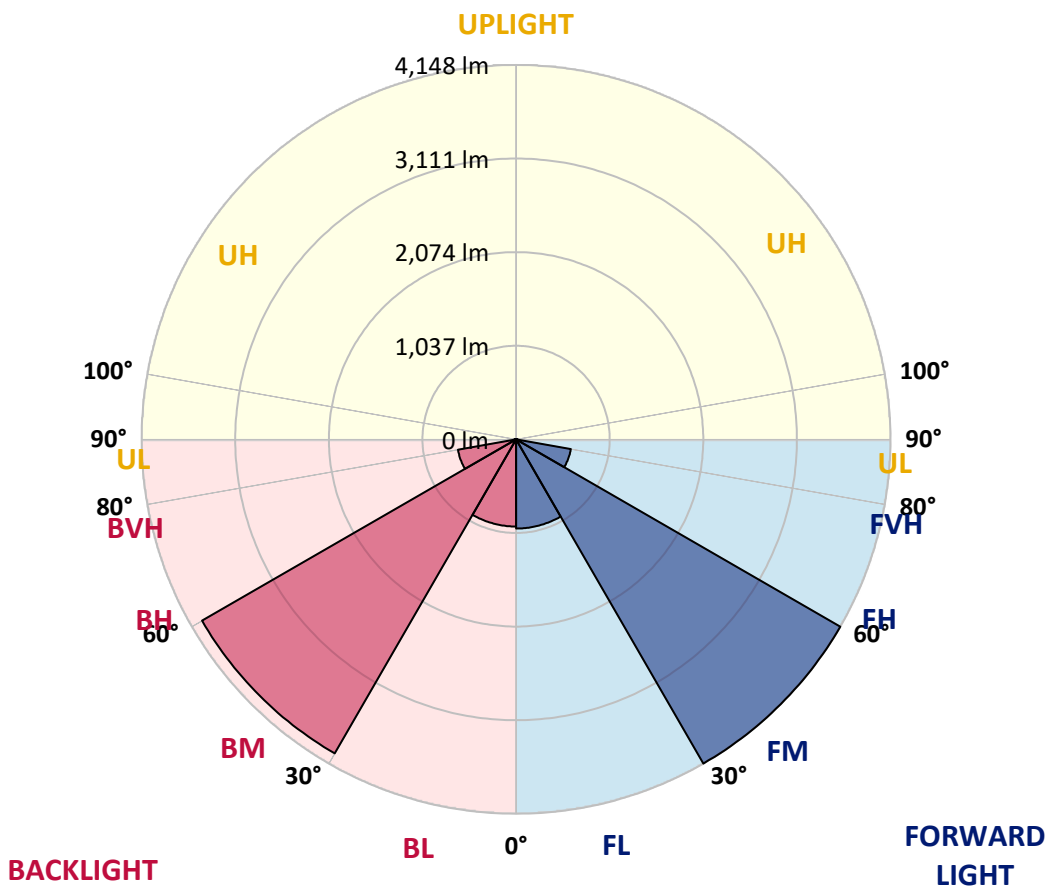
CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.0	8.6			
FM (30°-60°)	4148.4	36.3			
FH (60°-80°)	616.2	5.4			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	965.9	8.5	B2/1000		
BM (30°-60°)	4017.7	35.2	B3/5000		
BH (60°-80°)	654.1	5.7	B2/1000		G0/660
BVH (80°-90°)	19.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

**BUG Rating: B3-U0-G1**

Type V Short





REPORT NUMBER: P635057

CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0
2.5°	1865.1	1866.9	1870.7	1877.2	1883.7	1893.0	1896.7	1901.3	1900.4	1906.0	1906.0
5°	1855.8	1858.6	1864.2	1873.5	1884.6	1902.3	1906.9	1918.1	1929.2	1943.2	1947.8
7.5°	1866.9	1870.7	1877.2	1892.0	1908.8	1932.0	1941.3	1959.9	1981.3	2006.3	2016.6
10°	1888.3	1893.0	1904.1	1928.3	1955.2	1990.5	1998.9	2022.1	2056.5	2090.9	2111.4
12.5°	1912.5	1919.9	1940.4	1978.5	2018.4	2064.9	2077.9	2106.7	2143.9	2188.5	2216.4
15°	1940.4	1946.9	1978.5	2032.4	2094.6	2156.0	2170.8	2198.7	2240.5	2284.2	2323.2
17.5°	1998.9	2010.1	2047.2	2109.5	2182.0	2254.5	2271.2	2302.8	2336.2	2370.6	2407.8
20°	2078.8	2088.1	2135.5	2212.6	2298.1	2364.1	2380.8	2408.7	2424.5	2442.2	2473.8
22.5°	2158.7	2171.8	2225.7	2316.7	2417.1	2488.6	2501.7	2527.7	2516.5	2510.9	2531.4
25°	2258.2	2275.8	2328.8	2428.2	2530.5	2618.7	2629.0	2651.3	2632.7	2603.9	2602.9
27.5°	2381.8	2397.6	2452.4	2554.6	2655.9	2747.9	2767.4	2797.2	2756.3	2721.0	2695.9
30°	2528.6	2538.8	2599.2	2708.0	2812.0	2899.4	2924.5	2954.2	2923.6	2865.0	2839.9
32.5°	2699.6	2713.5	2783.2	2897.5	2990.5	3077.8	3102.9	3140.1	3106.6	3040.6	3009.0
35°	2905.0	2918.9	2992.3	3116.8	3211.6	3301.8	3319.4	3350.1	3308.3	3232.1	3207.0
37.5°	3128.0	3145.7	3238.6	3356.6	3456.0	3561.0	3562.0	3571.3	3511.8	3417.0	3389.1
40°	3378.9	3402.1	3495.1	3617.7	3737.6	3823.1	3822.2	3796.2	3695.8	3549.0	3506.2
42.5°	3627.0	3645.6	3739.5	3865.9	3985.7	4066.6	4042.4	3979.2	3834.3	3634.5	3577.8
45°	3806.4	3820.3	3918.8	4061.0	4182.7	4232.9	4189.2	4113.0	3917.0	3688.4	3604.7
47.5°	3890.9	3909.5	4009.0	4150.2	4287.8	4316.6	4264.5	4193.0	3965.3	3738.5	3626.1
50°	3845.4	3869.6	3982.0	4113.0	4268.2	4327.7	4290.5	4219.0	4016.4	3787.8	3664.2
52.5°	3727.4	3750.6	3892.8	4051.7	4227.4	4345.4	4344.4	4285.9	4074.9	3801.7	3666.1
55°	3324.1	3369.6	3590.8	3864.9	4177.2	4397.4	4419.7	4357.5	4084.2	3805.5	3685.6
57.5°	2163.4	2243.3	2453.3	2810.2	3436.5	3999.7	4150.2	4165.1	4017.3	3789.7	3689.3
60°	903.3	967.4	1133.7	1370.7	1888.3	2558.3	2850.1	3142.9	3496.0	3624.2	3654.9
62.5°	561.3	566.9	583.6	637.5	810.3	1137.5	1325.2	1599.3	2124.4	2571.4	2777.7
65°	506.5	509.3	513.0	509.3	517.6	557.6	607.8	703.5	917.2	1139.3	1403.2
67.5°	446.1	449.8	452.6	449.8	452.6	454.4	460.0	468.4	507.4	539.0	563.2
70°	360.6	366.1	370.8	368.9	380.1	380.1	385.7	392.2	411.7	434.9	451.6
72.5°	275.1	270.4	276.0	277.9	288.1	293.7	302.0	309.5	331.8	345.7	367.1
75°	178.4	173.8	182.1	186.8	200.7	208.2	215.6	223.0	238.8	248.1	268.6
77.5°	96.6	95.7	104.1	110.6	125.5	134.7	140.3	145.9	158.9	161.7	174.7
80°	55.8	55.8	61.3	66.0	75.3	85.5	91.1	95.7	105.0	107.8	113.4
82.5°	30.7	30.7	33.5	36.2	43.7	49.3	53.9	57.6	66.0	68.8	71.6
85°	14.9	13.9	15.8	17.7	20.4	23.2	26.0	27.9	34.4	36.2	40.0
87.5°	1.9	1.9	1.9	2.8	3.7	5.6	6.5	6.5	10.2	12.1	13.9
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: P635057

CATALOG NUMBER: GWS-SA3D-722-U-RW-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0	1893.0
2.5°	1911.6	1899.5	1906.9	1909.7	1909.7	1906.9	1894.8	1891.1	1885.5	1877.2	1877.2
5°	1954.3	1945.0	1946.9	1942.2	1931.1	1917.1	1894.8	1883.7	1874.4	1864.2	1863.2
7.5°	2027.7	2015.6	2013.8	1996.1	1966.4	1936.6	1903.2	1882.7	1868.8	1855.8	1854.9
10°	2123.4	2112.3	2098.3	2063.0	2019.4	1975.7	1930.1	1902.3	1881.8	1863.2	1862.3
12.5°	2230.3	2217.3	2191.3	2139.2	2084.4	2041.7	1989.6	1946.9	1916.2	1891.1	1886.5
15°	2346.5	2327.9	2283.3	2221.9	2168.0	2122.5	2066.7	2005.4	1958.9	1919.0	1914.3
17.5°	2435.7	2411.5	2363.2	2305.6	2261.0	2215.4	2142.9	2065.8	1998.9	1948.7	1941.3
20°	2497.0	2477.5	2422.7	2379.9	2353.9	2313.9	2229.4	2142.0	2066.7	2003.6	1999.8
22.5°	2553.7	2530.5	2476.6	2451.5	2451.5	2424.5	2343.7	2240.5	2152.2	2078.8	2069.5
25°	2617.8	2592.7	2551.8	2549.0	2562.1	2550.0	2452.4	2341.8	2238.7	2156.0	2141.1
27.5°	2707.0	2679.1	2655.0	2671.7	2690.3	2677.3	2568.6	2440.3	2331.6	2248.0	2234.9
30°	2849.2	2814.8	2792.5	2813.0	2849.2	2811.1	2693.1	2557.4	2447.8	2355.8	2349.3
32.5°	3014.6	2975.6	2952.4	2984.9	3017.4	2957.9	2840.8	2710.7	2595.5	2498.9	2487.7
35°	3213.5	3164.2	3129.9	3173.5	3207.0	3148.4	3032.3	2908.7	2780.4	2680.1	2665.2
37.5°	3390.1	3330.6	3307.4	3368.7	3413.3	3375.2	3248.8	3132.6	2992.3	2882.7	2876.2
40°	3518.3	3459.8	3443.0	3544.3	3622.4	3613.1	3499.7	3366.8	3234.9	3108.5	3096.4
42.5°	3574.1	3533.2	3536.9	3673.5	3794.3	3853.8	3752.5	3610.3	3483.0	3352.0	3343.6
45°	3586.1	3561.0	3590.8	3761.8	3920.7	4042.4	3956.0	3837.0	3693.0	3566.6	3562.9
47.5°	3599.1	3585.2	3630.7	3812.0	4000.6	4141.9	4093.5	3970.9	3825.0	3701.4	3692.1
50°	3629.8	3624.2	3675.4	3847.3	4038.7	4168.8	4114.0	3992.2	3842.6	3720.9	3698.6
52.5°	3639.1	3629.8	3703.2	3902.1	4101.9	4167.9	4049.9	3890.9	3740.4	3604.7	3581.5
55°	3667.9	3651.2	3701.4	3922.5	4189.2	4221.8	4046.1	3808.2	3598.2	3413.3	3358.5
57.5°	3675.4	3656.8	3689.3	3889.1	4094.5	4065.7	3556.4	3073.2	2677.3	2471.9	2495.1
60°	3635.4	3641.0	3585.2	3562.9	3284.1	2899.4	2177.3	1740.6	1367.0	1209.0	1243.4
62.5°	2767.4	2790.7	2600.2	2261.0	1738.7	1378.1	911.6	708.1	599.4	571.5	576.2
65°	1396.7	1428.3	1230.4	1017.6	756.4	611.5	528.8	512.0	506.5	500.0	500.0
67.5°	552.9	562.2	554.8	519.5	483.2	470.2	466.5	464.6	458.1	454.4	455.4
70°	444.2	451.6	440.5	418.2	403.3	402.4	400.5	396.8	392.2	392.2	394.9
72.5°	362.4	369.9	354.1	340.1	329.0	320.6	316.0	313.2	306.7	306.7	309.5
75°	266.7	271.4	258.3	256.5	244.4	236.0	228.6	224.9	216.5	212.8	215.6
77.5°	177.5	176.6	170.1	170.1	165.4	155.2	146.8	138.5	127.3	119.9	121.7
80°	115.2	115.2	112.4	112.4	107.8	99.4	89.2	80.8	74.3	68.8	68.8
82.5°	73.4	72.5	71.6	70.6	68.8	60.4	53.0	47.4	42.7	39.0	40.0
85°	40.9	40.9	39.0	39.0	35.3	30.7	26.9	23.2	20.4	19.5	19.5
87.5°	13.9	13.9	13.0	13.0	11.2	8.4	6.5	5.6	4.6	3.7	4.6
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)