

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: P634101

Luminaire Tested: GWS-SA3B-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

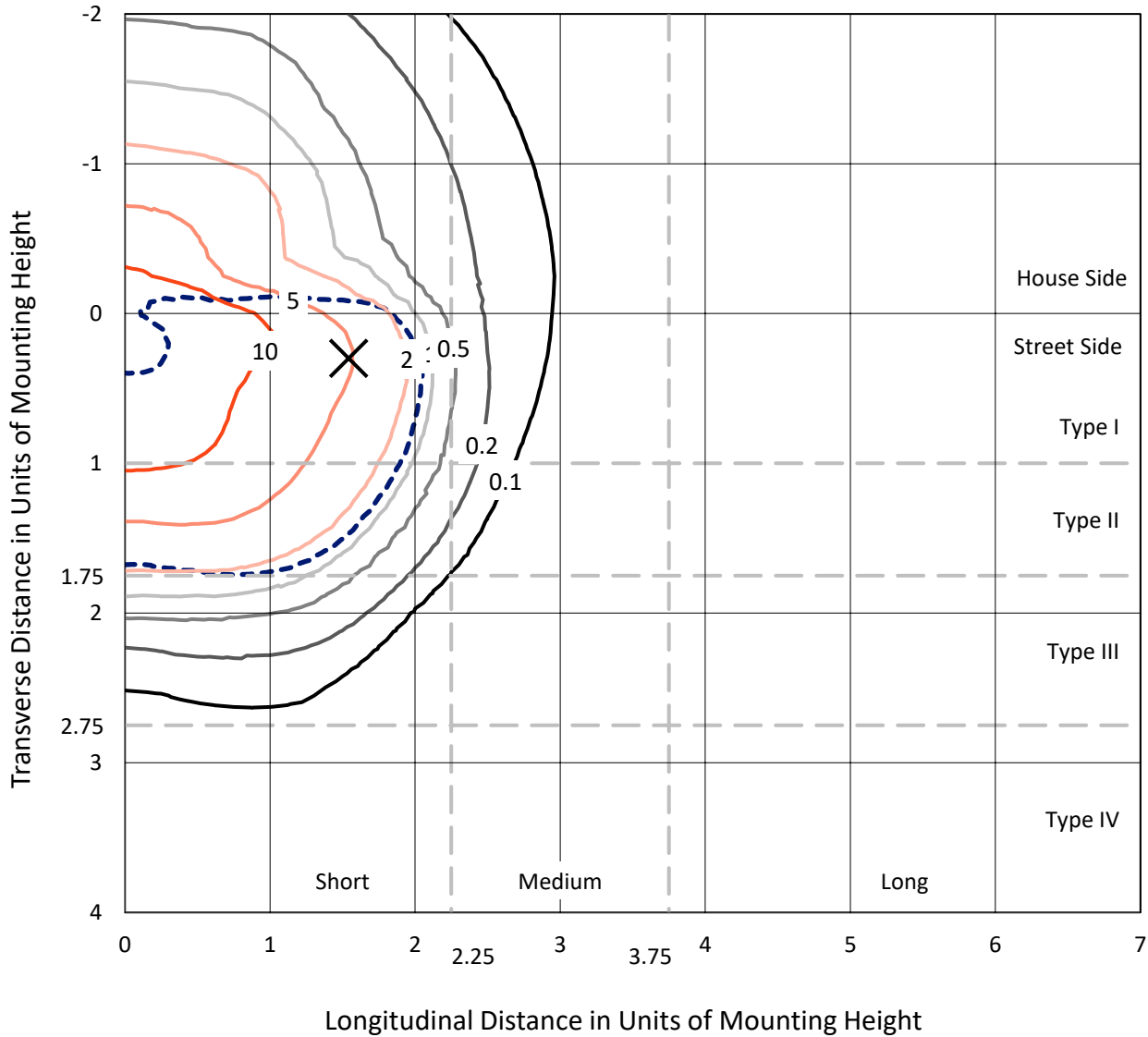
Lumens per Lamp: N/A  
Luminaire Lumens: 6717.2 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634101  
 CATALOG NUMBER: GWS-SA3B-722-U-T3R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

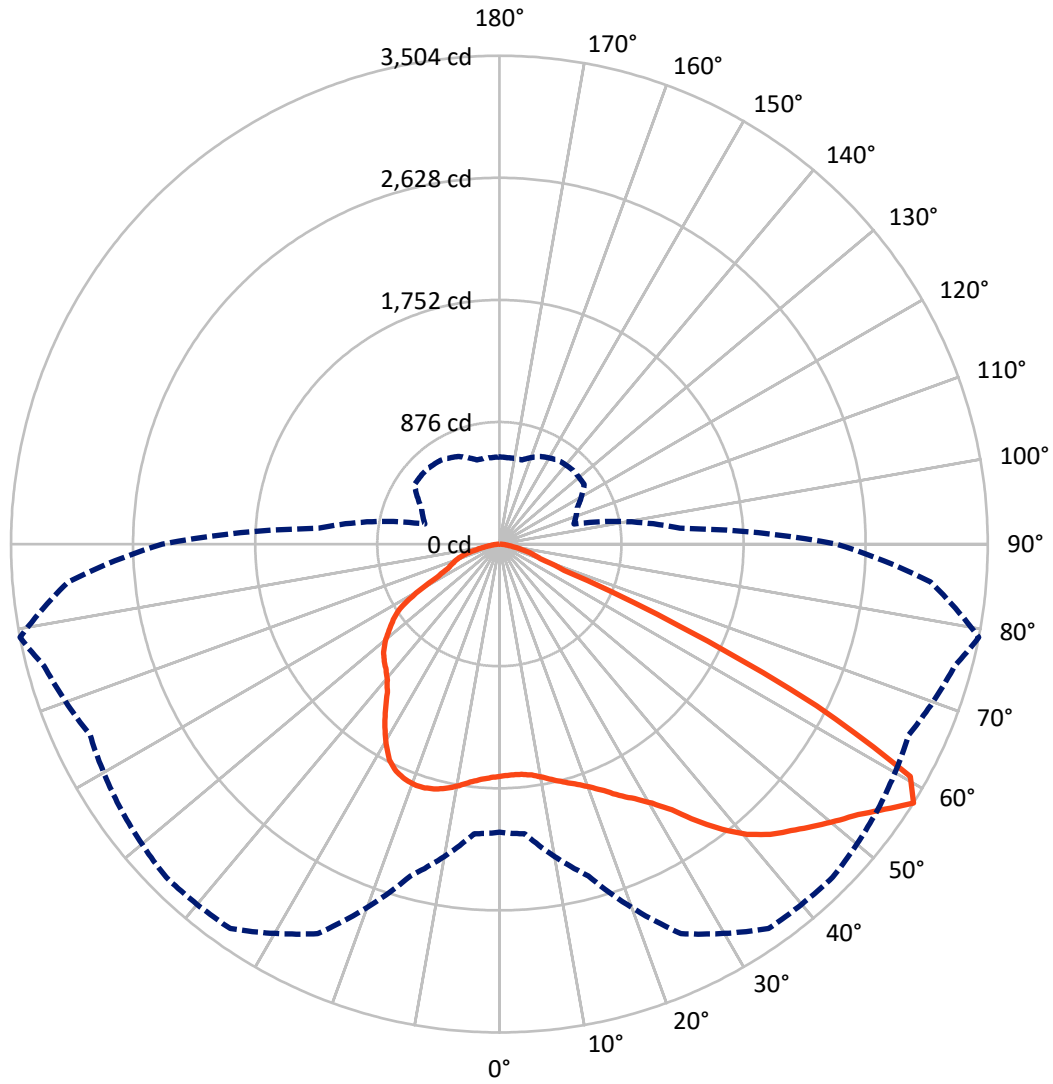
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P634101  
CATALOG NUMBER: GWS-SA3B-722-U-T3R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634101

CATALOG NUMBER: GWS-SA3B-722-U-T3R-W-GRSWH

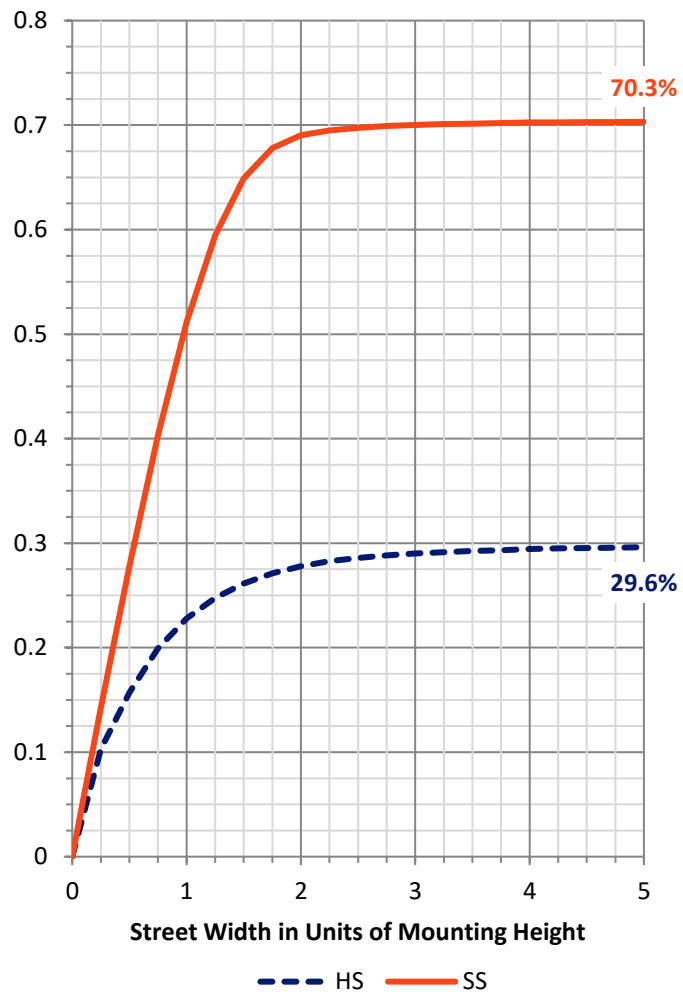
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1996.7	0.0	1996.7
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	4720.5	0.0	4720.5
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	6717.2	0.0	6717.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.2	2.3
10°-20°	428.4	6.4
20°-30°	726.2	10.8
30°-40°	1111.5	16.5
40°-50°	1482.1	22.1
50°-60°	1711.7	25.5
60°-70°	889.5	13.2
70°-80°	189.1	2.8
80°-90°	24.5	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°	6717.2	100.0
0°-180°	6717.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634101

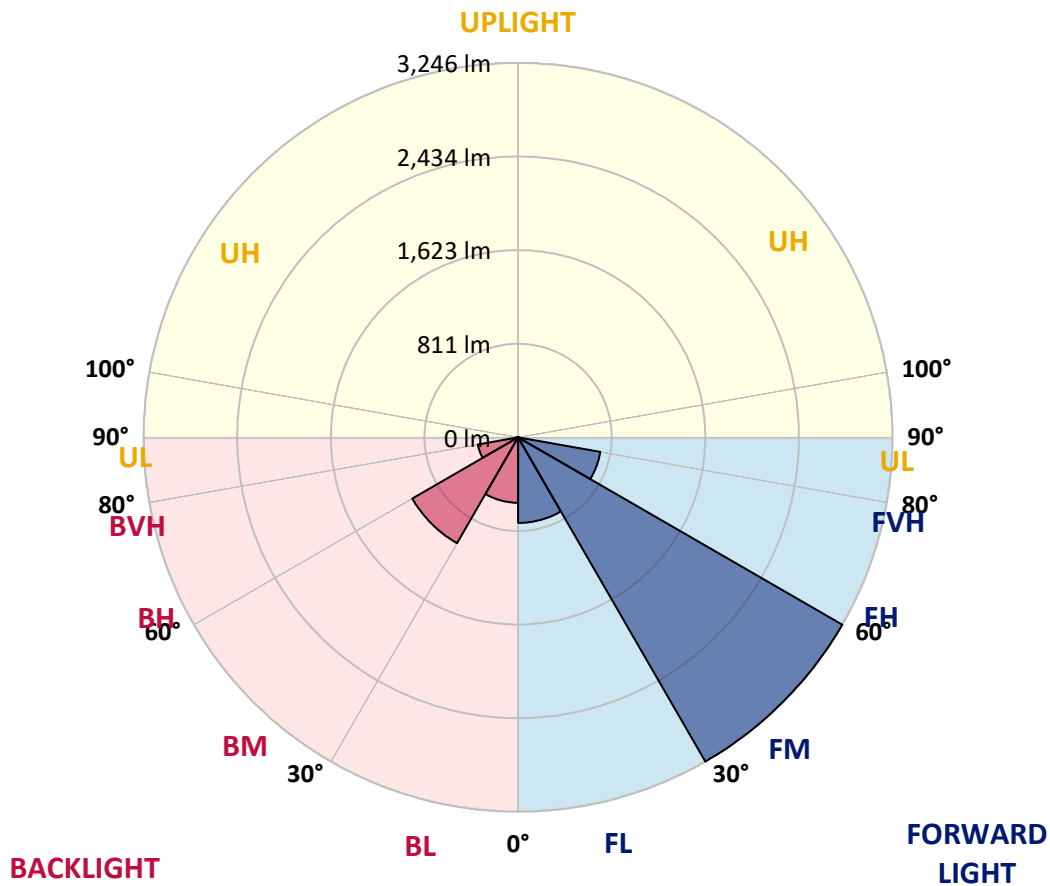
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	741.7	11.0			
FM (30°-60°)	3245.9	48.3			
FH (60°-80°)	724.3	10.8			G1/1800
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	567.0	8.4	B2/1000		
BM (30°-60°)	1059.4	15.8	B2/2500		
BH (60°-80°)	354.3	5.3	B1/500		G1/500
BVH (80°-90°)	16.0	0.2			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: P634101

CATALOG NUMBER: GWS-SA3B-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7
2.5°	1588.9	1585.6	1586.7	1591.1	1607.6	1619.6	1632.3	1643.8	1654.8	1658.1	1660.8
5°	1532.3	1526.3	1527.9	1535.1	1554.3	1574.6	1597.1	1624.6	1650.9	1659.7	1671.3
7.5°	1492.2	1491.1	1493.9	1504.9	1525.2	1544.4	1573.5	1612.5	1658.1	1672.9	1693.2
10°	1438.9	1436.8	1447.7	1470.3	1503.8	1534.5	1569.1	1615.2	1679.0	1700.9	1732.2
12.5°	1396.7	1395.6	1407.1	1438.4	1481.2	1530.1	1577.9	1629.5	1707.0	1737.2	1775.6
15°	1421.4	1416.4	1417.0	1438.9	1477.4	1535.1	1599.9	1655.3	1735.0	1773.4	1822.9
17.5°	1493.3	1484.5	1477.9	1481.8	1503.8	1563.6	1633.4	1689.9	1767.4	1812.4	1872.8
20°	1592.7	1587.8	1569.7	1557.6	1562.5	1615.2	1686.1	1738.8	1809.7	1860.2	1925.0
22.5°	1726.2	1714.1	1689.4	1670.2	1655.3	1696.5	1761.9	1807.5	1868.4	1921.2	1988.7
25°	1891.5	1873.9	1834.9	1804.7	1772.9	1815.2	1873.4	1908.0	1949.2	1998.1	2062.3
27.5°	2060.1	2045.3	2001.9	1961.3	1921.7	1948.1	2017.3	2037.0	2032.7	2068.4	2123.3
30°	2239.7	2221.0	2179.8	2135.9	2084.8	2101.9	2163.9	2173.8	2127.1	2156.8	2194.1
32.5°	2429.2	2411.1	2375.4	2324.3	2266.6	2273.2	2290.2	2299.6	2255.1	2272.1	2300.7
35°	2622.0	2604.9	2568.7	2518.2	2475.9	2435.8	2392.9	2430.3	2404.5	2437.4	2435.2
37.5°	2798.3	2781.2	2758.7	2719.7	2647.2	2568.1	2469.3	2515.4	2555.5	2597.2	2590.1
40°	2917.4	2905.9	2911.4	2905.4	2812.0	2655.5	2506.6	2557.2	2666.4	2737.8	2734.0
42.5°	3020.1	3008.6	3040.5	3063.5	2953.7	2736.2	2524.8	2573.1	2737.3	2848.8	2843.3
45°	3065.7	3062.4	3115.2	3188.2	3083.3	2821.9	2571.4	2606.0	2791.1	2933.9	2913.0
47.5°	3011.4	3022.9	3126.7	3250.3	3191.0	2923.5	2667.0	2675.8	2861.4	3026.2	2967.4
50°	2903.2	2928.4	3068.5	3251.9	3269.5	3038.3	2799.4	2777.4	2955.9	3124.5	2996.0
52.5°	2745.5	2771.9	3000.4	3239.3	3314.5	3171.2	2975.7	2944.4	3075.1	3222.8	3000.9
55°	2383.6	2419.3	2844.4	3210.7	3358.5	3292.0	3174.5	3110.8	3228.8	3357.9	3049.8
57.5°	2067.8	2086.5	2464.3	3083.9	3367.3	3381.0	3316.2	3240.4	3381.5	3504.0	3104.7
60°	1517.5	1521.9	1861.8	2551.7	3097.6	3329.4	3304.6	3192.1	3309.0	3387.0	2853.2
62.5°	857.3	857.9	1129.2	1703.1	2313.9	2713.7	2729.1	2629.7	2531.3	2554.4	1986.0
65°	321.8	352.0	515.7	837.0	1334.0	1602.1	1665.8	1688.8	1525.2	1423.6	1064.9
67.5°	215.3	222.4	301.0	430.6	593.7	685.4	766.7	768.9	562.4	501.4	419.6
70°	164.2	171.4	236.7	308.1	301.0	277.9	300.4	292.2	302.1	310.3	319.1
72.5°	122.5	129.6	183.4	217.5	180.7	177.9	201.6	224.1	245.0	253.7	267.5
75°	81.3	86.8	123.6	116.4	100.0	118.1	147.2	169.7	181.8	192.2	202.7
77.5°	51.6	55.5	65.9	53.3	55.5	69.2	85.7	106.0	117.5	128.0	133.5
80°	23.6	23.1	22.5	25.3	31.3	40.6	51.6	63.7	72.5	76.9	80.2
82.5°	9.3	10.4	11.5	13.7	17.0	22.0	29.1	37.3	44.5	45.6	48.3
85°	3.8	4.4	4.9	6.0	7.7	9.9	12.1	17.0	21.4	23.1	24.7
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.7	4.9	5.5	6.0
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: P634101

CATALOG NUMBER: GWS-SA3B-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7	1664.7
2.5°	1675.7	1668.5	1680.6	1688.8	1696.5	1688.3	1685.5	1678.4	1677.3	1677.3	1681.2
5°	1691.0	1686.1	1698.7	1703.7	1703.1	1685.0	1674.0	1659.7	1652.6	1652.6	1653.7
7.5°	1718.5	1715.8	1722.9	1715.2	1697.6	1660.8	1624.6	1594.4	1574.1	1563.6	1566.9
10°	1764.1	1760.8	1754.7	1726.2	1675.7	1599.3	1525.2	1470.3	1437.3	1418.6	1419.7
12.5°	1808.6	1803.1	1781.7	1718.5	1614.7	1493.3	1396.1	1334.6	1298.3	1276.4	1271.4
15°	1857.5	1843.2	1797.0	1679.0	1515.3	1363.7	1262.1	1195.6	1156.7	1143.5	1142.9
17.5°	1904.1	1878.9	1795.4	1608.7	1396.1	1228.0	1125.9	1084.7	1078.1	1084.2	1085.8
20°	1951.4	1910.7	1777.3	1511.4	1254.4	1092.9	1040.2	1057.2	1082.0	1098.4	1102.3
22.5°	2000.2	1937.1	1736.1	1386.2	1105.0	1001.8	1023.7	1061.1	1091.8	1113.8	1116.0
25°	2055.2	1961.8	1674.6	1233.0	985.3	976.5	1019.9	1059.4	1092.4	1117.7	1122.1
27.5°	2086.5	1962.4	1588.3	1075.4	930.4	966.6	1010.6	1047.9	1080.9	1108.3	1113.3
30°	2117.2	1947.5	1451.6	947.4	914.4	955.1	994.6	1029.2	1060.5	1087.5	1093.5
32.5°	2160.6	1933.8	1294.0	873.8	905.1	944.1	976.5	1007.3	1031.4	1043.5	1046.8
35°	2214.4	1916.2	1126.4	842.0	899.1	935.3	963.9	980.4	949.0	942.5	949.6
37.5°	2289.7	1899.7	959.5	828.2	895.2	932.0	957.3	915.0	876.6	861.2	866.7
40°	2371.0	1890.4	846.3	817.2	896.9	935.3	929.8	867.2	811.7	779.3	778.2
42.5°	2440.2	1876.1	773.8	810.1	901.3	947.9	892.5	824.9	742.5	723.3	723.9
45°	2486.9	1839.9	735.4	802.4	905.1	950.7	874.9	766.7	707.9	695.9	695.3
47.5°	2506.1	1774.0	710.7	790.3	904.6	928.2	839.2	742.5	683.8	680.5	682.7
50°	2493.4	1665.8	685.4	766.7	891.4	904.6	798.0	721.1	667.3	685.4	698.6
52.5°	2446.8	1525.7	655.2	734.3	867.8	877.6	777.1	707.9	655.2	679.4	689.8
55°	2434.7	1412.0	616.8	692.0	832.6	829.9	755.2	701.4	647.0	637.6	639.3
57.5°	2418.8	1301.1	553.1	616.2	743.6	748.0	734.3	693.7	625.6	622.8	625.6
60°	2101.3	997.4	493.2	531.6	610.7	634.3	710.7	679.4	591.0	579.4	578.9
62.5°	1372.5	604.1	438.8	463.5	497.6	525.1	648.1	638.2	553.1	545.9	550.9
65°	738.1	430.6	399.3	414.1	432.8	453.7	537.1	568.4	499.8	474.5	475.1
67.5°	377.3	366.3	369.6	380.1	394.3	404.8	433.3	460.8	426.2	404.8	404.2
70°	322.9	331.7	336.7	342.7	352.0	350.4	353.1	358.1	355.3	344.9	344.4
72.5°	275.2	288.9	290.0	291.1	294.4	286.7	281.7	273.5	274.1	275.7	276.3
75°	209.3	222.4	225.7	224.1	227.4	217.5	210.9	202.7	192.8	191.1	192.2
77.5°	136.2	146.6	151.6	150.5	152.1	144.4	141.1	132.4	120.8	116.4	116.4
80°	82.4	88.4	92.3	93.4	95.0	89.5	84.0	76.3	71.4	66.5	66.5
82.5°	50.0	53.8	56.6	56.6	58.2	52.2	47.8	42.3	40.1	35.7	35.7
85°	25.3	28.0	29.1	28.6	27.5	22.5	20.9	18.1	17.0	14.8	14.8
87.5°	6.0	7.7	7.7	5.5	5.5	2.7	1.6	0.5	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)