

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: P634592

Luminaire Tested: GWS-SA3C-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634592  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-722-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 8769.9 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

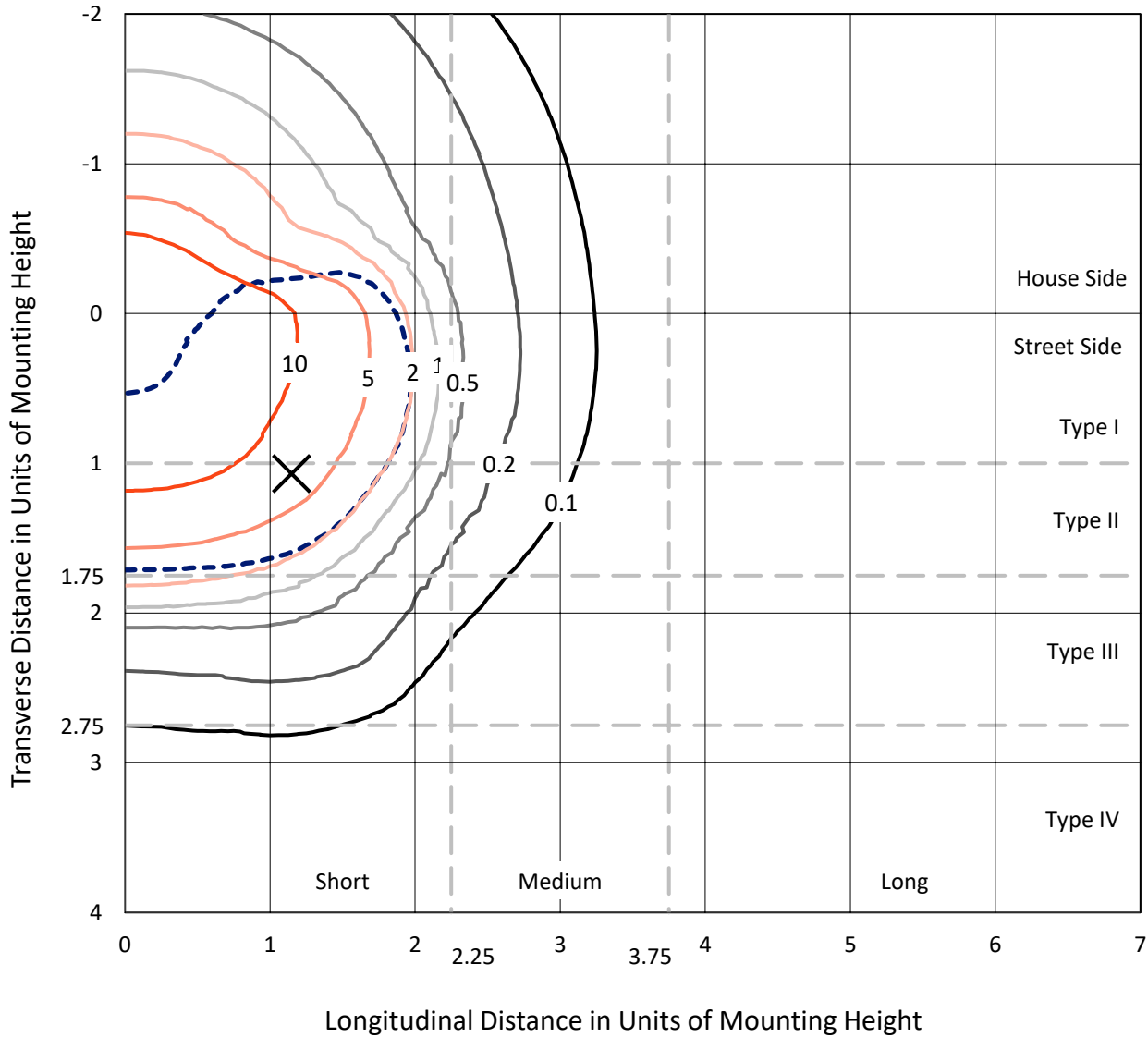
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

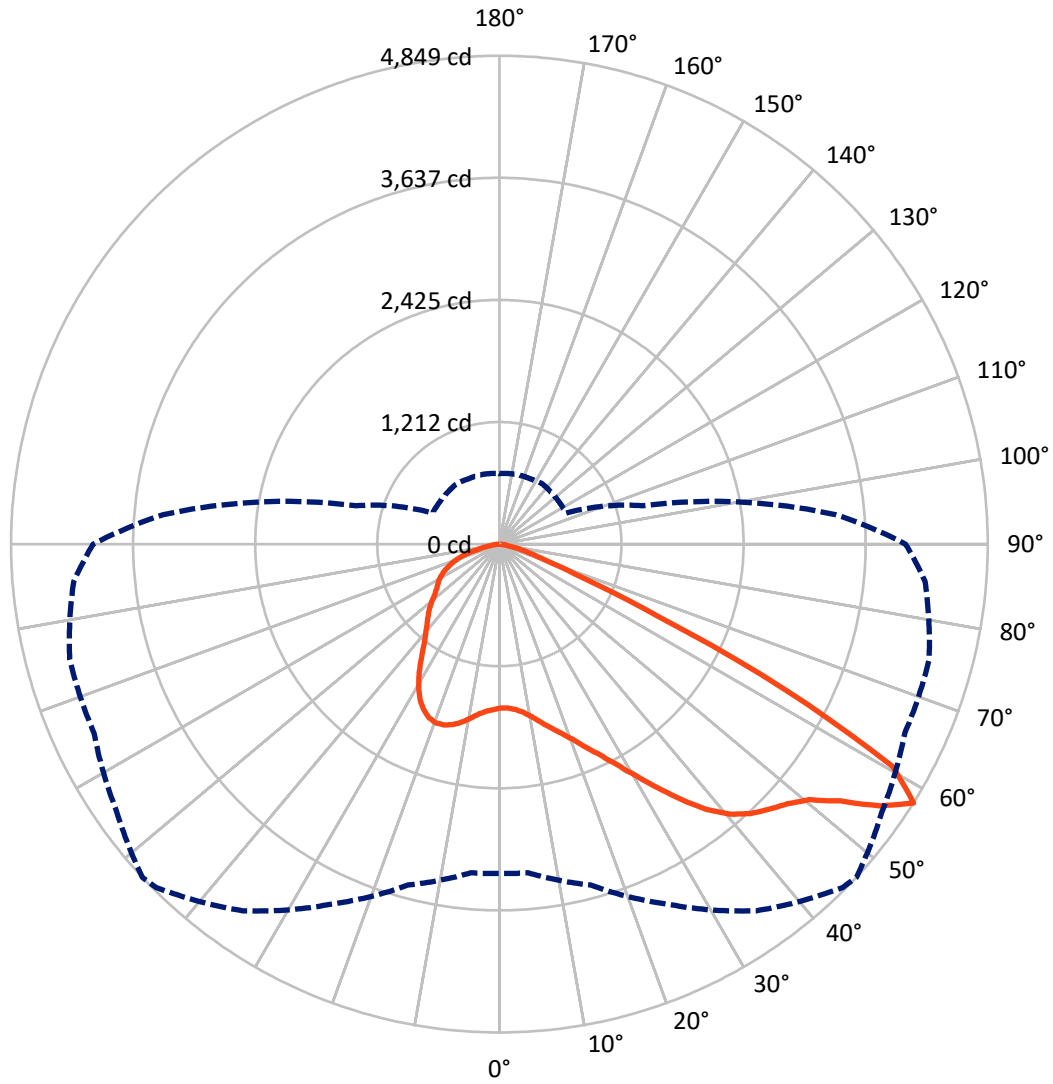
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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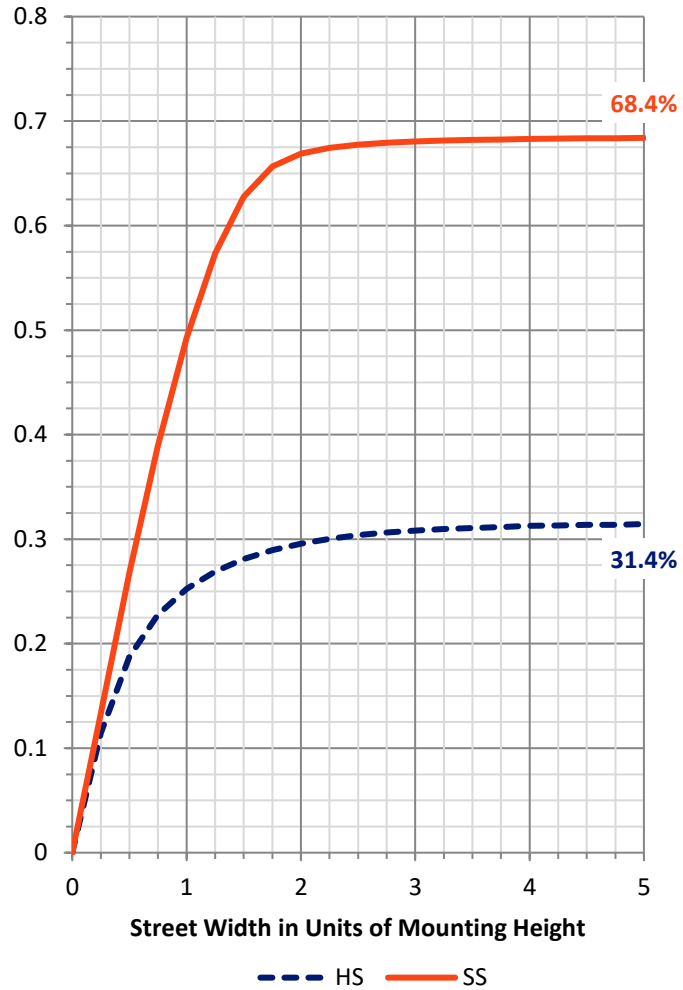
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2775.6	0.0	2775.6
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	5994.2	0.0	5994.2
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	8769.9	0.0	8769.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.4	1.8
10°-20°	527.6	6.0
20°-30°	950.0	10.8
30°-40°	1434.9	16.4
40°-50°	1932.3	22.0
50°-60°	2321.9	26.5
60°-70°	1130.8	12.9
70°-80°	278.6	3.2
80°-90°	33.5	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°	8769.9	100.0
0°-180°	8769.9	100.0

**Coefficient of Utilization**

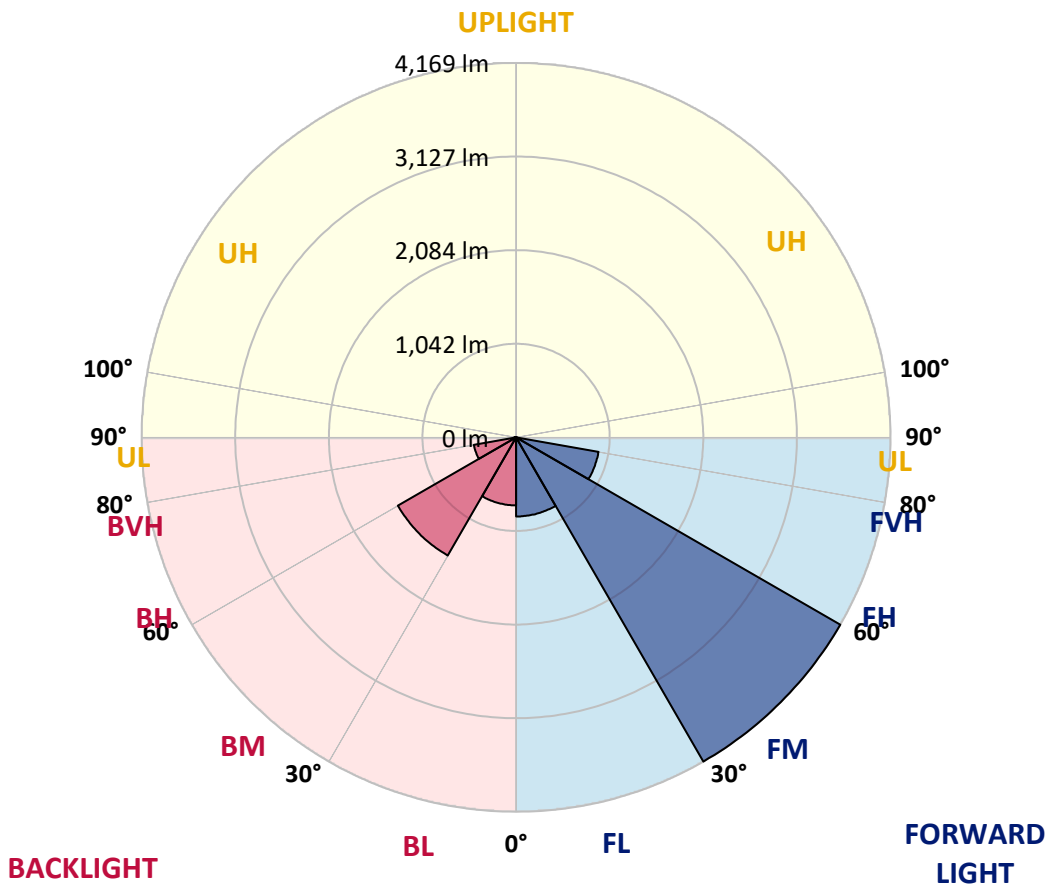


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.9	10.0			
FM (30°-60°)	4168.8	47.5			
FH (60°-80°)	932.0	10.6			G1/1800
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	757.1	8.6	B2/1000		
BM (30°-60°)	1520.2	17.3	B2/2500		
BH (60°-80°)	477.4	5.4	B1/500		G1/500
BVH (80°-90°)	20.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4
2.5°	1623.4	1622.7	1622.7	1627.1	1627.1	1628.6	1630.8	1633.0	1633.8	1630.1	1622.0
5°	1641.1	1641.1	1641.1	1644.8	1644.8	1646.3	1649.2	1650.0	1649.2	1643.3	1635.2
7.5°	1669.1	1669.1	1669.8	1674.3	1678.0	1680.2	1685.3	1684.6	1682.4	1672.8	1662.5
10°	1714.8	1717.0	1719.2	1724.4	1731.7	1736.9	1740.6	1740.6	1737.6	1722.9	1709.6
12.5°	1779.6	1782.5	1784.8	1789.2	1795.1	1803.9	1812.0	1812.0	1808.3	1789.9	1770.0
15°	1855.5	1858.4	1857.7	1859.2	1870.2	1882.7	1889.4	1893.8	1895.2	1869.5	1838.5
17.5°	1942.4	1945.3	1942.4	1938.0	1939.4	1959.3	1971.1	1987.3	1996.9	1962.3	1912.9
20°	2021.2	2018.3	2018.3	2021.2	2025.6	2049.9	2067.6	2094.1	2105.9	2063.9	1987.3
22.5°	2104.4	2111.1	2108.1	2108.1	2125.8	2166.3	2187.7	2222.3	2234.8	2180.3	2077.2
25°	2212.0	2217.9	2216.4	2217.9	2238.5	2296.0	2317.3	2381.4	2393.9	2315.8	2176.6
27.5°	2329.8	2339.4	2343.8	2342.4	2375.5	2450.6	2477.2	2566.3	2589.1	2467.6	2282.7
30°	2483.0	2493.4	2497.0	2495.6	2534.6	2637.0	2667.2	2768.8	2801.3	2647.3	2417.5
32.5°	2660.6	2670.9	2681.9	2686.3	2736.4	2841.0	2884.5	2989.8	3036.2	2855.0	2580.3
35°	2836.6	2845.4	2866.8	2901.4	2969.9	3076.7	3115.0	3218.9	3263.8	3070.8	2776.9
37.5°	3031.1	3037.0	3055.4	3103.3	3202.0	3303.6	3341.9	3441.3	3446.5	3279.3	2999.4
40°	3243.9	3243.9	3240.3	3287.4	3390.5	3492.9	3526.1	3583.5	3553.3	3439.9	3216.0
42.5°	3424.4	3421.5	3424.4	3468.6	3545.2	3628.4	3657.2	3646.1	3607.8	3562.9	3411.9
45°	3587.2	3589.4	3615.9	3649.8	3689.6	3738.9	3755.9	3693.3	3658.6	3661.6	3568.8
47.5°	3697.7	3699.9	3761.8	3818.5	3842.8	3858.3	3850.9	3764.0	3746.3	3779.4	3689.6
50°	3712.4	3724.2	3831.0	3947.4	4007.8	4010.0	3989.4	3883.3	3878.1	3915.7	3754.4
52.5°	3715.4	3727.1	3860.5	4070.4	4227.3	4260.4	4236.9	4126.4	4072.6	4035.0	3834.0
55°	3704.3	3717.6	3864.9	4152.9	4453.4	4586.0	4588.2	4432.1	4260.4	4235.4	4060.8
57.5°	3270.5	3275.6	3504.0	3943.0	4444.6	4820.2	4849.0	4636.8	4440.9	4417.3	4242.8
60°	2278.3	2298.9	2547.1	3126.8	3733.8	4396.0	4488.8	4426.9	4295.8	4124.2	3640.2
62.5°	1141.0	1158.7	1407.6	1955.6	2575.1	3098.1	3197.5	3263.1	3294.0	3109.9	2478.6
65°	491.3	504.6	659.2	1021.7	1457.7	1710.4	1745.0	1823.8	2016.8	1799.5	1335.4
67.5°	328.5	337.4	416.2	623.2	858.9	875.1	869.9	886.9	928.8	766.8	603.3
70°	251.9	259.3	312.3	456.7	617.3	528.1	500.1	453.7	492.8	502.4	489.1
72.5°	182.7	188.6	228.3	311.6	386.7	337.4	332.9	356.5	409.5	424.3	416.2
75°	117.9	120.8	145.1	170.9	199.6	216.6	225.4	268.1	321.9	332.9	323.4
77.5°	78.8	81.0	95.0	109.8	113.4	114.2	117.1	136.3	173.1	193.7	191.5
80°	41.2	41.2	46.4	46.4	53.0	63.3	66.3	78.8	95.8	106.1	106.8
82.5°	16.2	16.9	19.9	22.1	26.5	32.4	34.6	41.2	50.1	57.5	64.1
85°	6.6	7.4	8.1	9.6	11.8	14.7	15.5	17.7	23.6	29.5	33.1
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	2.2	2.9	3.7	6.6	8.8
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°	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4
2.5°	1631.5	1622.0	1631.5	1634.5	1642.6	1645.5	1640.4	1639.6	1639.6	1632.3	1630.1
5°	1642.6	1633.8	1643.3	1647.8	1659.5	1666.9	1668.4	1674.3	1678.0	1675.0	1674.3
7.5°	1669.8	1658.8	1669.1	1675.7	1691.2	1703.0	1708.2	1721.4	1731.0	1729.5	1728.8
10°	1717.7	1703.0	1714.8	1725.8	1742.8	1756.8	1757.5	1764.9	1774.4	1771.5	1770.0
12.5°	1773.0	1759.0	1772.2	1783.3	1803.2	1809.1	1799.5	1796.5	1798.0	1794.3	1791.4
15°	1840.7	1820.9	1832.6	1845.2	1856.2	1849.6	1829.0	1820.9	1820.1	1815.0	1812.0
17.5°	1908.5	1883.5	1892.3	1898.9	1893.8	1873.1	1847.4	1833.4	1826.7	1816.4	1813.5
20°	1975.5	1943.9	1942.4	1937.2	1913.7	1876.1	1841.5	1813.5	1796.5	1782.5	1777.4
22.5°	2052.1	2007.9	1985.8	1962.3	1910.7	1849.6	1797.3	1757.5	1730.2	1712.6	1706.7
25°	2134.6	2072.0	2026.4	1979.2	1881.3	1792.9	1719.9	1665.4	1633.0	1613.9	1607.2
27.5°	2216.4	2130.2	2061.7	1981.4	1822.3	1711.1	1613.1	1539.5	1507.1	1491.6	1486.4
30°	2326.9	2207.6	2103.7	1952.7	1745.0	1597.7	1475.4	1401.0	1379.6	1368.6	1364.2
32.5°	2454.3	2305.5	2159.7	1892.3	1646.3	1465.1	1336.2	1284.6	1269.9	1248.5	1247.8
35°	2622.3	2445.5	2212.7	1803.2	1521.8	1322.9	1229.4	1192.5	1166.0	1132.1	1129.2
37.5°	2818.2	2620.1	2241.4	1689.7	1376.7	1205.8	1149.8	1108.6	1065.8	1020.9	1015.0
40°	3020.8	2824.1	2243.7	1555.7	1234.5	1128.5	1081.3	1027.5	974.5	924.4	917.8
42.5°	3233.6	3014.1	2204.6	1401.0	1118.1	1061.4	1013.5	945.8	886.1	852.2	848.6
45°	3423.7	3167.3	2116.2	1238.2	1032.0	1005.4	944.3	871.4	839.7	815.4	810.2
47.5°	3573.2	3269.0	1996.9	1092.4	962.0	948.0	868.4	830.9	806.6	784.5	779.3
50°	3646.9	3291.8	1841.5	973.8	897.2	880.2	825.7	797.0	780.8	763.1	758.7
52.5°	3738.2	3317.6	1707.4	874.3	833.8	811.0	790.4	767.5	755.7	744.7	741.0
55°	3948.1	3414.8	1636.7	794.8	773.4	763.1	760.2	741.0	737.3	730.0	723.3
57.5°	4033.6	3352.2	1469.5	730.0	725.5	727.0	734.4	716.7	713.0	704.2	699.8
60°	3243.9	2533.9	995.1	674.0	685.8	695.3	702.7	685.0	679.9	678.4	672.5
62.5°	2078.7	1558.6	694.6	621.7	639.4	651.1	655.6	638.6	634.9	646.7	647.5
65°	1082.1	849.3	563.5	565.7	580.4	598.1	607.0	601.1	599.6	612.1	612.8
67.5°	552.4	519.3	491.3	499.4	511.2	534.0	554.7	580.4	589.3	590.7	591.5
70°	470.7	455.9	442.0	447.1	459.6	472.2	492.0	504.6	489.8	486.1	484.7
72.5°	400.7	389.7	383.0	388.9	395.5	393.3	387.4	393.3	395.5	396.3	397.0
75°	311.6	303.5	298.3	299.1	299.1	291.0	279.9	273.3	265.9	260.0	260.0
77.5°	190.8	192.2	197.4	196.7	195.9	193.0	181.9	176.0	158.4	153.2	153.2
80°	109.0	111.2	116.4	117.9	117.9	114.2	103.1	96.5	88.4	84.7	84.0
82.5°	66.3	69.2	72.2	73.7	74.4	70.0	60.4	55.2	50.8	47.1	47.1
85°	34.6	36.1	39.0	39.8	37.6	33.1	28.0	25.8	21.4	20.6	20.6
87.5°	9.6	10.3	11.8	9.6	8.8	6.6	3.7	2.9	1.5	0.7	0.7
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)