

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: P634563

Luminaire Tested: GWS-SA3C-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10577.5 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

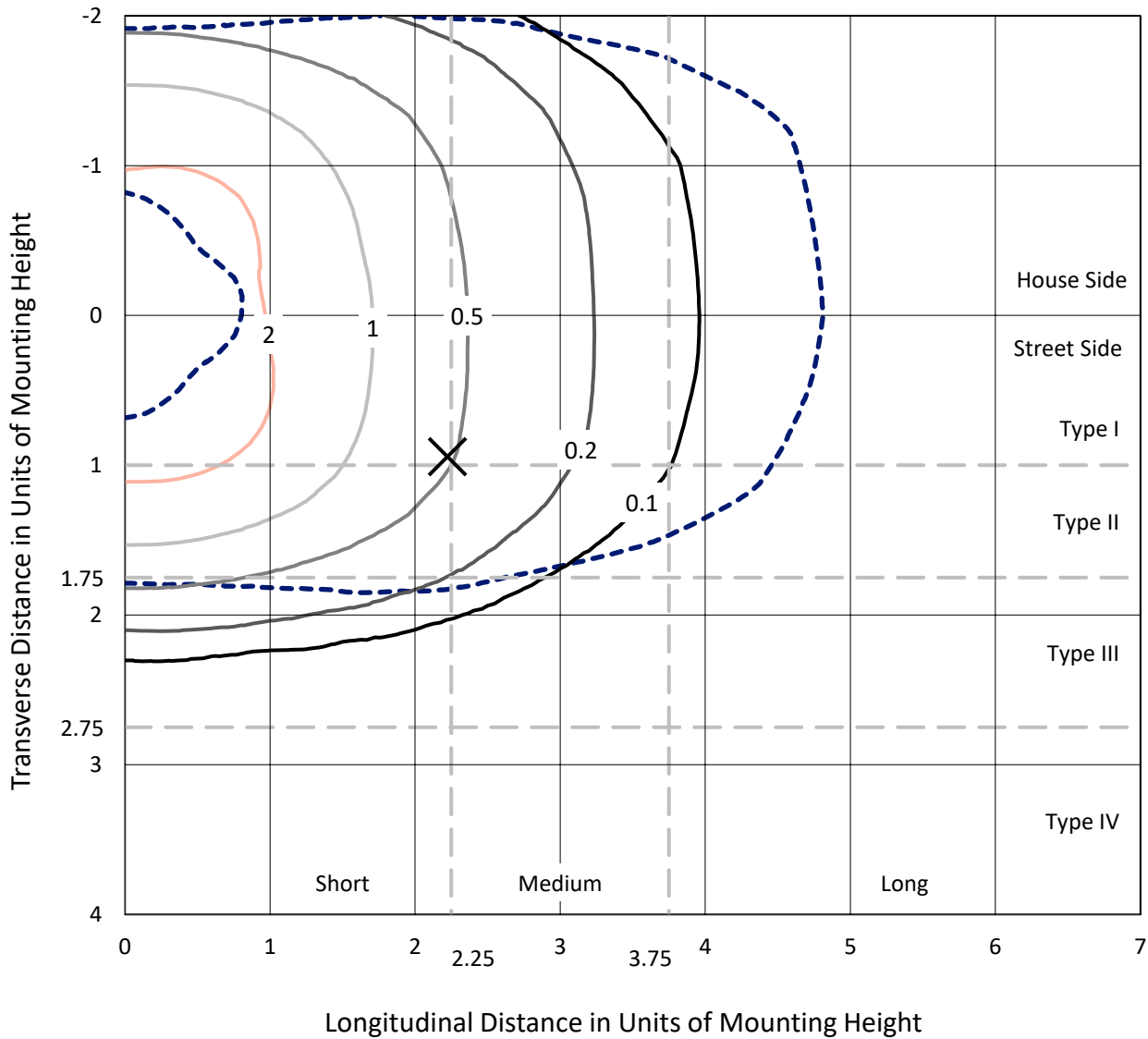
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

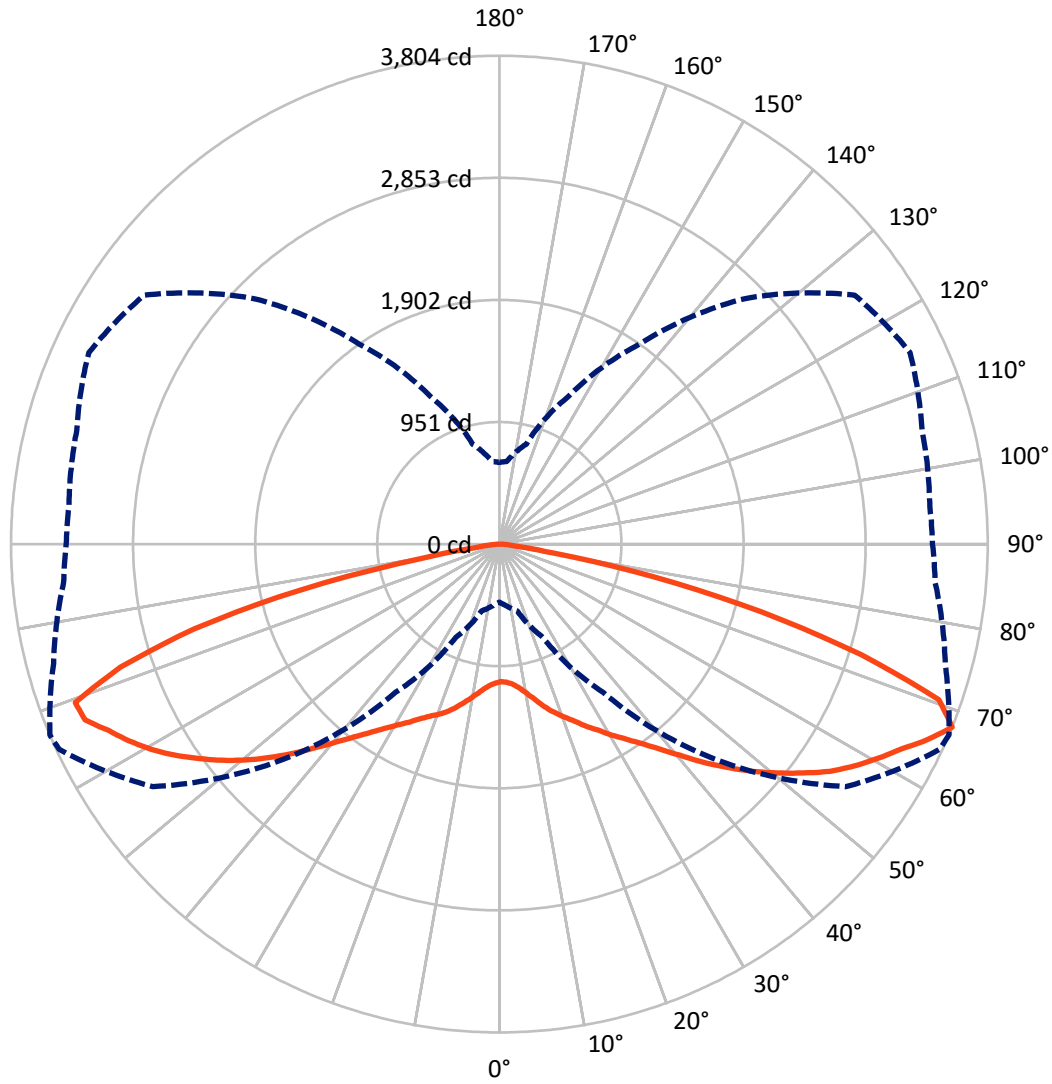
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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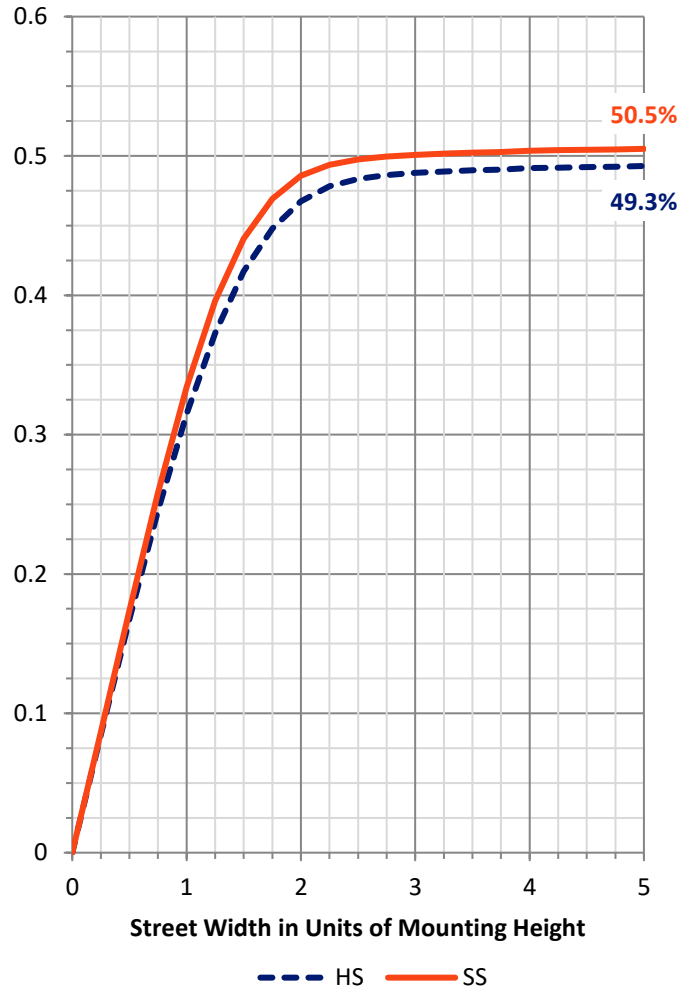
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5230.4	0.0	5230.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	5347.1	0.0	5347.1
	% Fixture	50.6	0.0	50.6
Total	Lumens	10577.5	0.0	10577.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	1.0
10°-20°	355.0	3.4
20°-30°	696.5	6.6
30°-40°	1186.6	11.2
40°-50°	1905.5	18.0
50°-60°	2589.2	24.5
60°-70°	2476.7	23.4
70°-80°	1177.5	11.1
80°-90°	85.3	0.8
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°	10577.5	100.0
0°-180°	10577.5	100.0

Coefficient of Utilization



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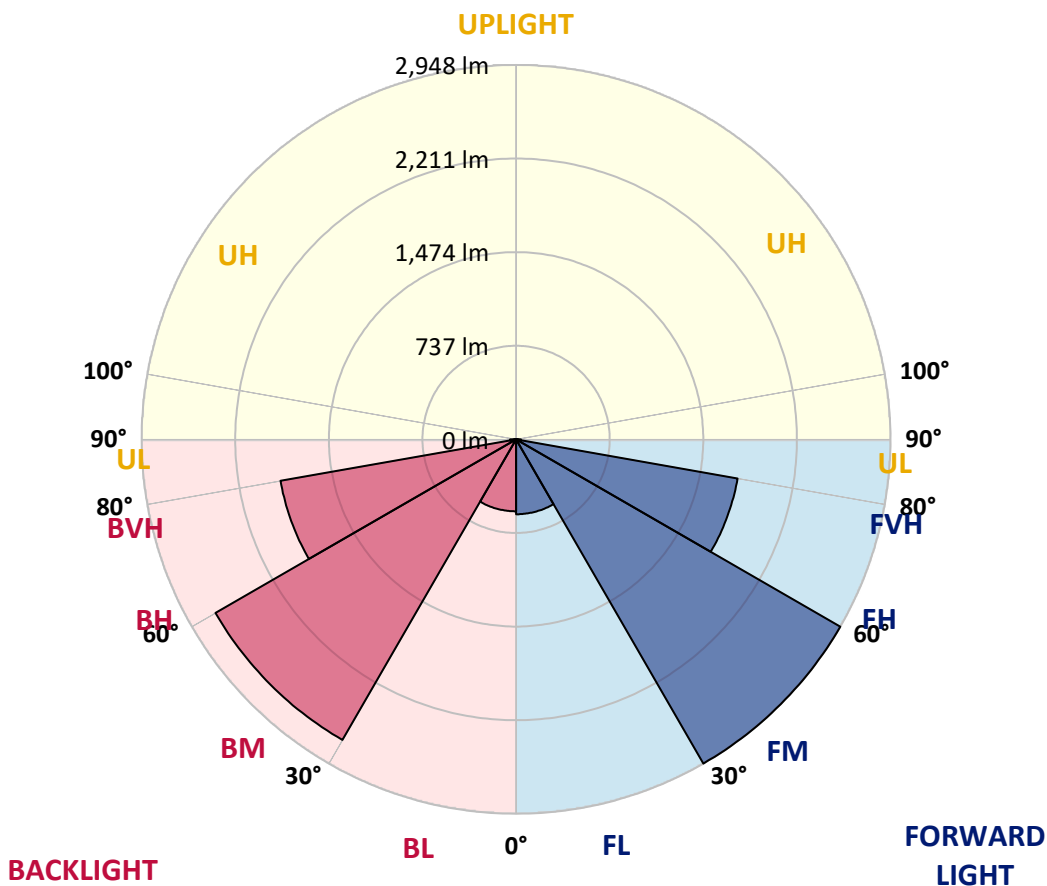
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.8	5.6			
FM (30°-60°)	2948.0	27.9			
FH (60°-80°)	1770.9	16.7			G1/1800
FVH (80°-90°)	38.4	0.4			G1/100
BL (0°-30°)	566.8	5.4	B2/1000		
BM (30°-60°)	2733.3	25.8	B3/5000		
BH (60°-80°)	1883.3	17.8	B3/2500		G3/2500
BVH (80°-90°)	47.0	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0
2.5°	1048.9	1050.4	1052.6	1057.0	1061.5	1068.1	1074.7	1074.0	1076.9	1079.1	1081.3
5°	1043.0	1044.5	1048.2	1054.1	1060.7	1071.8	1085.8	1091.7	1096.1	1104.2	1111.5
7.5°	1055.6	1058.5	1063.7	1071.8	1082.1	1096.1	1115.2	1125.5	1132.2	1146.9	1159.4
10°	1072.5	1076.2	1086.5	1102.0	1117.4	1138.8	1163.1	1178.6	1183.0	1202.1	1225.7
12.5°	1088.7	1093.1	1110.1	1138.1	1166.1	1194.8	1223.5	1242.7	1244.1	1269.9	1296.4
15°	1114.5	1118.2	1141.0	1177.1	1219.8	1259.6	1295.0	1308.2	1314.1	1332.5	1365.7
17.5°	1171.2	1175.6	1205.1	1244.1	1289.1	1331.1	1366.4	1377.5	1377.5	1392.9	1420.2
20°	1232.3	1236.8	1275.8	1325.9	1380.4	1423.1	1450.4	1440.1	1436.4	1440.8	1460.0
22.5°	1300.9	1309.0	1346.5	1404.7	1471.7	1524.0	1538.0	1507.1	1496.8	1486.5	1490.9
25°	1388.5	1398.1	1434.9	1496.8	1562.3	1617.6	1625.7	1577.8	1571.9	1535.8	1522.6
27.5°	1489.4	1496.8	1542.5	1603.6	1664.7	1711.1	1720.0	1661.1	1641.2	1591.1	1560.1
30°	1619.8	1626.4	1666.2	1726.6	1779.6	1812.1	1823.1	1742.1	1726.6	1650.0	1602.1
32.5°	1762.0	1764.9	1805.4	1863.6	1910.8	1941.7	1926.2	1831.9	1809.1	1722.9	1657.4
35°	1924.8	1924.8	1977.1	2024.2	2061.8	2070.6	2041.1	1933.6	1907.1	1813.5	1731.8
37.5°	2084.6	2089.0	2137.6	2193.6	2226.8	2225.3	2171.5	2053.7	2023.5	1921.8	1831.2
40°	2257.7	2267.3	2315.9	2378.5	2410.2	2405.8	2323.3	2192.2	2161.2	2041.1	1952.8
42.5°	2416.8	2432.3	2489.0	2553.1	2587.7	2584.8	2498.6	2351.3	2321.1	2185.5	2097.1
45°	2543.5	2559.7	2630.4	2719.6	2774.8	2769.7	2682.7	2516.3	2479.4	2337.3	2240.0
47.5°	2654.7	2671.7	2750.5	2844.8	2932.4	2941.3	2861.7	2682.7	2643.7	2500.1	2390.3
50°	2740.2	2748.3	2836.7	2939.8	3041.5	3090.8	3021.6	2849.9	2802.8	2660.6	2536.9
52.5°	2733.6	2744.6	2853.6	2993.6	3129.9	3210.9	3163.0	3007.6	2961.9	2807.2	2686.4
55°	2598.8	2609.8	2739.5	2943.5	3179.2	3298.5	3293.4	3157.8	3124.7	2956.8	2841.8
57.5°	2402.1	2426.4	2555.3	2775.5	3114.4	3368.5	3389.1	3294.9	3260.2	3103.3	2995.8
60°	2050.0	2082.4	2231.2	2517.0	2906.7	3344.9	3491.5	3410.5	3389.1	3239.6	3135.0
62.5°	1489.4	1513.0	1711.1	2086.1	2598.8	3177.0	3577.7	3529.8	3513.6	3361.9	3261.0
65°	892.0	945.8	1104.9	1475.4	2096.4	2860.3	3530.6	3686.0	3669.1	3487.8	3368.5
67.5°	451.5	475.9	538.5	800.0	1409.9	2366.7	3294.1	3783.2	3803.9	3595.4	3406.8
70°	279.9	286.5	304.2	394.8	704.2	1555.0	2693.8	3529.8	3630.8	3578.5	3307.4
72.5°	224.7	226.1	229.1	246.0	338.1	727.0	1703.0	2764.5	2946.4	3342.0	3165.2
75°	186.4	187.1	187.8	193.0	210.7	296.9	828.7	1899.7	2112.6	2840.4	2934.7
77.5°	149.5	145.8	148.8	151.0	155.4	165.7	285.8	1013.6	1229.4	1864.4	2269.5
80°	97.2	95.8	101.7	103.9	108.3	114.9	152.5	344.0	417.7	678.4	721.9
82.5°	52.3	49.4	61.9	59.7	61.9	67.0	89.9	126.0	141.4	204.8	173.1
85°	16.2	16.2	16.9	19.9	24.3	23.6	39.0	61.9	68.5	87.7	64.8
87.5°	2.9	2.9	2.9	2.9	2.9	3.7	8.1	12.5	16.9	30.2	22.8
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°	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0	1071.0
2.5°	1085.8	1079.1	1082.8	1085.0	1084.3	1082.8	1075.5	1074.0	1070.3	1064.4	1062.9
5°	1118.2	1110.8	1111.5	1109.3	1102.0	1092.4	1076.2	1068.1	1061.5	1054.1	1053.4
7.5°	1169.0	1160.9	1158.7	1148.4	1127.7	1105.7	1079.9	1065.1	1054.1	1044.5	1043.0
10°	1233.8	1225.7	1218.4	1194.0	1160.2	1130.7	1096.8	1075.5	1059.2	1047.5	1045.2
12.5°	1306.0	1299.4	1281.0	1245.6	1205.1	1170.5	1135.9	1109.3	1085.8	1068.1	1065.9
15°	1386.3	1371.6	1343.6	1297.9	1259.6	1231.6	1189.6	1153.5	1116.0	1092.4	1087.2
17.5°	1442.3	1429.8	1396.6	1352.4	1322.2	1297.9	1248.6	1197.0	1146.2	1111.5	1104.2
20°	1482.1	1468.8	1431.2	1398.8	1389.2	1368.6	1311.2	1251.5	1192.6	1149.8	1140.3
22.5°	1510.8	1496.8	1458.5	1442.3	1455.5	1451.9	1395.9	1328.1	1258.1	1207.3	1195.5
25°	1538.0	1524.8	1490.9	1496.8	1532.1	1543.2	1482.8	1404.0	1324.4	1264.8	1250.8
27.5°	1563.8	1546.9	1531.4	1563.8	1613.9	1634.5	1570.5	1481.3	1395.1	1334.0	1323.0
30°	1603.6	1583.7	1581.5	1628.6	1708.2	1725.9	1655.2	1566.0	1480.6	1418.7	1404.7
32.5°	1653.7	1635.3	1636.7	1707.5	1799.5	1814.3	1753.9	1670.6	1585.2	1523.3	1504.2
35°	1721.5	1698.6	1711.1	1798.1	1890.9	1918.1	1869.5	1800.3	1717.0	1653.7	1632.3
37.5°	1815.0	1781.9	1807.6	1899.0	1992.5	2033.0	1995.5	1943.9	1861.4	1797.3	1777.4
40°	1934.3	1907.1	1917.4	2018.3	2114.8	2163.4	2139.9	2089.0	2007.3	1940.2	1917.4
42.5°	2075.8	2048.5	2044.8	2152.4	2248.9	2322.5	2299.7	2253.3	2168.6	2092.0	2069.9
45°	2214.2	2189.2	2194.4	2304.1	2412.4	2492.7	2469.9	2415.3	2323.3	2234.9	2217.2
47.5°	2358.6	2338.0	2342.4	2458.8	2578.1	2658.4	2629.7	2563.4	2455.9	2361.6	2340.2
50°	2506.7	2483.1	2489.7	2612.0	2740.9	2816.8	2772.6	2674.6	2556.0	2464.0	2445.5
52.5°	2654.0	2626.0	2643.0	2758.6	2891.9	2952.3	2870.6	2752.0	2637.1	2545.7	2525.1
55°	2823.4	2794.0	2775.5	2899.3	3031.1	3056.2	2944.2	2805.7	2669.5	2565.6	2553.1
57.5°	2978.1	2953.1	2918.4	3042.2	3139.4	3121.0	3000.9	2791.0	2590.7	2457.3	2439.7
60°	3116.6	3095.2	3065.0	3170.4	3214.6	3173.3	2955.3	2616.4	2396.2	2257.0	2248.9
62.5°	3244.0	3221.2	3193.2	3283.1	3277.2	3181.4	2747.6	2348.3	2053.7	1904.1	1890.9
65°	3344.9	3324.3	3316.2	3386.9	3377.4	3023.0	2424.2	1909.3	1500.5	1331.8	1326.6
67.5°	3373.7	3365.6	3409.0	3529.1	3379.6	2704.8	1901.2	1266.2	805.9	646.0	636.4
70°	3266.1	3265.4	3389.9	3561.5	3073.1	2066.2	1121.9	570.9	405.1	359.5	353.6
72.5°	3126.2	3124.0	3222.7	3072.4	2279.1	1130.7	472.2	305.7	253.4	240.9	240.9
75°	2896.4	2890.5	2964.9	2337.3	1281.7	425.8	250.4	209.9	198.9	196.7	196.7
77.5°	2360.8	2311.5	2194.4	1444.5	447.1	209.2	165.7	165.0	158.4	157.6	157.6
80°	776.4	776.4	902.3	551.0	197.4	128.9	117.1	123.0	116.4	112.0	111.2
82.5°	126.7	174.6	248.2	157.6	106.8	80.3	72.2	76.6	80.3	64.1	64.1
85°	50.1	65.6	95.8	73.7	49.4	32.4	34.6	38.3	33.9	29.5	28.7
87.5°	19.2	23.6	33.9	17.7	10.3	5.9	3.7	3.7	2.9	2.9	2.9
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)