

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: P633573

Luminaire Tested: GWS-SA2F-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633573
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-SA2F-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12301.1 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

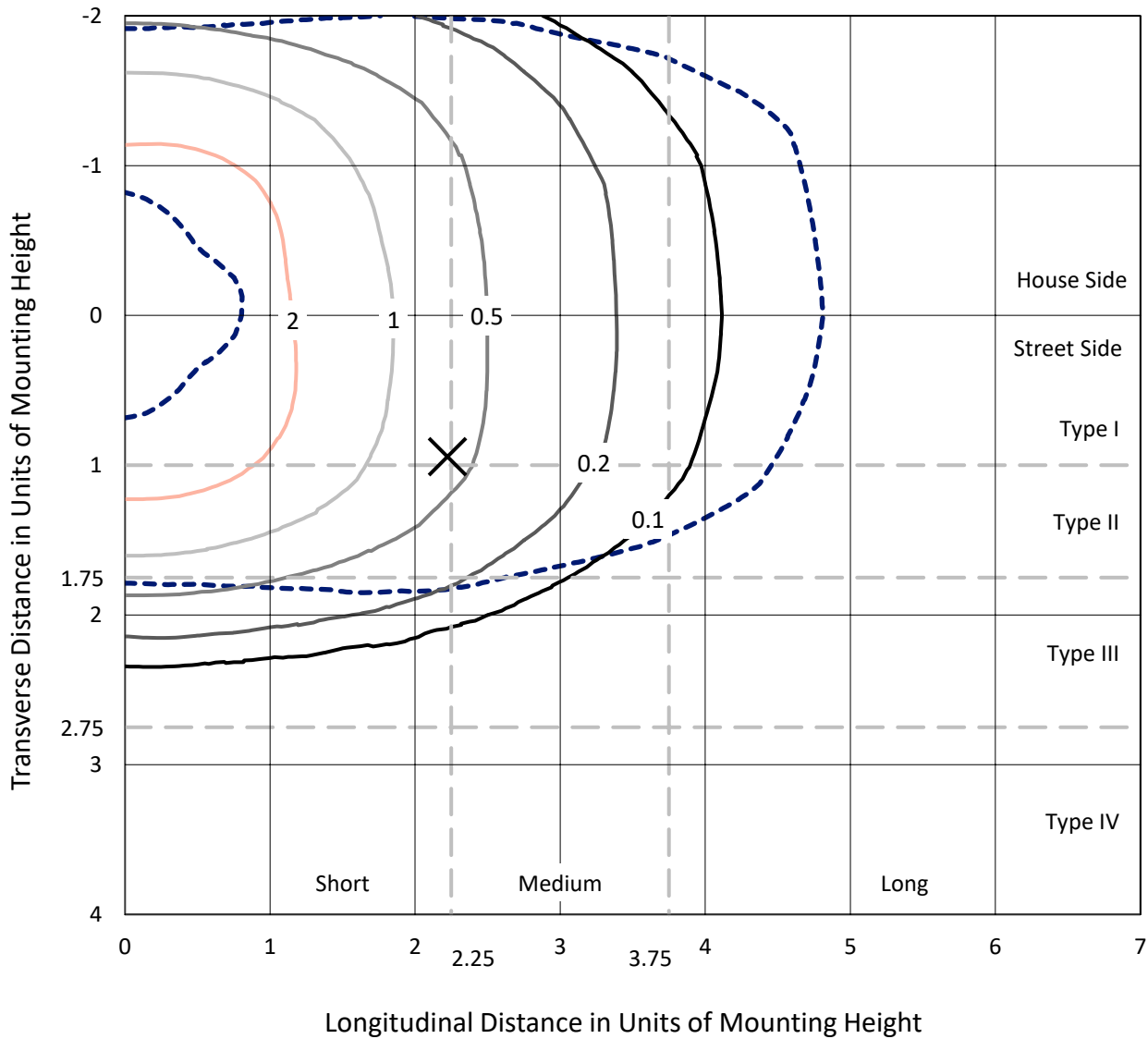
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633573
 CATALOG NUMBER: GWS-SA2F-722-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

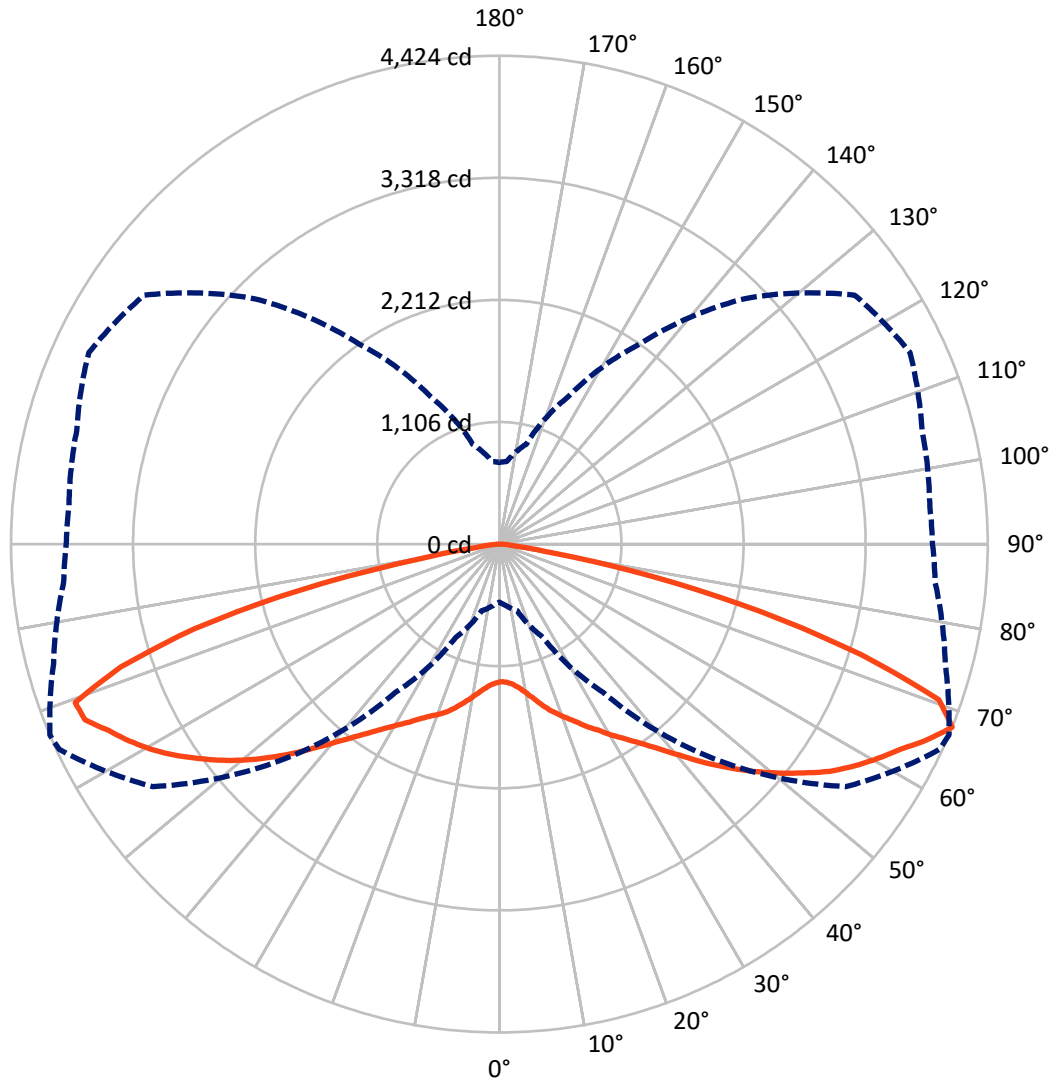
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

REPORT NUMBER: P633573
CATALOG NUMBER: GWS-SA2F-722-U-RW-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633573

CATALOG NUMBER: GWS-SA2F-722-U-RW-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6082.7	0.0	6082.7
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	6218.4	0.0	6218.4
	% Fixture	50.6	0.0	50.6
Total	Lumens	12301.1	0.0	12301.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	1.0
10°-20°	412.9	3.4
20°-30°	810.0	6.6
30°-40°	1380.0	11.2
40°-50°	2216.0	18.0
50°-60°	3011.1	24.5
60°-70°	2880.3	23.4
70°-80°	1369.4	11.1
80°-90°	99.2	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°	12301.1	100.0
0°-180°	12301.1	100.0

Coefficient of Utilization



REPORT NUMBER: P633573

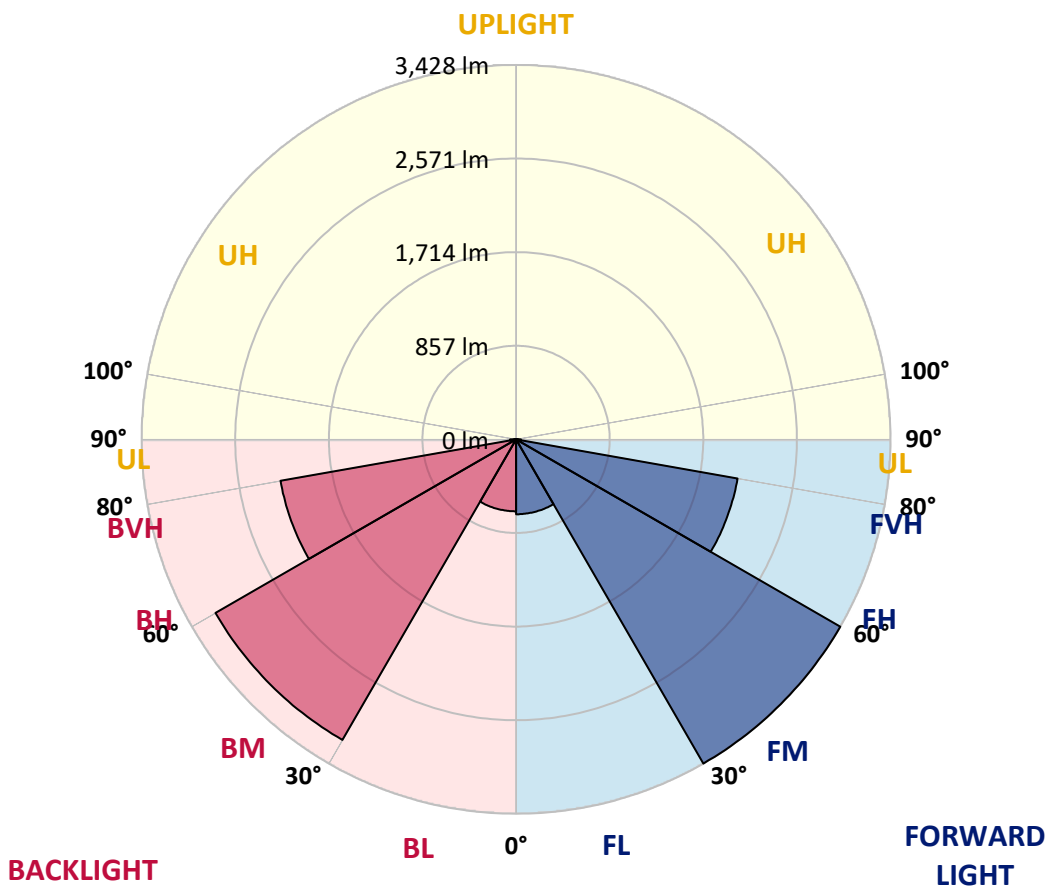
CATALOG NUMBER: GWS-SA2F-722-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	685.9	5.6			
FM (30°-60°)	3428.4	27.9			
FH (60°-80°)	2059.5	16.7			G2/5000
FVH (80°-90°)	44.6	0.4			G1/100
BL (0°-30°)	659.2	5.4	B2/1000		
BM (30°-60°)	3178.7	25.8	B3/5000		
BH (60°-80°)	2190.2	17.8	B3/2500		G3/2500
BVH (80°-90°)	54.6	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





REPORT NUMBER: P633573
 CATALOG NUMBER: GWS-SA2F-722-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6
2.5°	1219.9	1221.6	1224.1	1229.3	1234.4	1242.1	1249.8	1249.0	1252.4	1255.0	1257.5
5°	1213.0	1214.7	1219.0	1225.9	1233.6	1246.4	1262.7	1269.5	1274.7	1284.1	1292.7
7.5°	1227.6	1231.0	1237.0	1246.4	1258.4	1274.7	1297.0	1308.9	1316.7	1333.8	1348.4
10°	1247.3	1251.6	1263.5	1281.5	1299.5	1324.4	1352.6	1370.6	1375.8	1398.0	1425.4
12.5°	1266.1	1271.3	1291.0	1323.5	1356.1	1389.5	1422.9	1445.2	1446.9	1476.8	1507.7
15°	1296.1	1300.4	1326.9	1368.9	1418.6	1464.9	1506.0	1521.4	1528.2	1549.7	1588.2
17.5°	1362.1	1367.2	1401.5	1446.9	1499.1	1547.9	1589.1	1601.9	1601.9	1619.9	1651.6
20°	1433.2	1438.3	1483.7	1542.0	1605.3	1655.0	1686.7	1674.7	1670.4	1675.6	1697.9
22.5°	1512.8	1522.2	1565.9	1633.6	1711.6	1772.4	1788.7	1752.7	1740.7	1728.7	1733.8
25°	1614.8	1625.9	1668.7	1740.7	1816.9	1881.2	1890.6	1834.9	1828.1	1786.1	1770.7
27.5°	1732.1	1740.7	1793.8	1864.9	1936.0	1990.0	2000.3	1931.7	1908.6	1850.3	1814.4
30°	1883.8	1891.5	1937.7	2008.0	2069.6	2107.3	2120.2	2026.0	2008.0	1918.9	1863.2
32.5°	2049.1	2052.5	2099.6	2167.3	2222.1	2258.1	2240.1	2130.5	2103.9	2003.7	1927.4
35°	2238.4	2238.4	2299.2	2354.0	2397.7	2408.0	2373.8	2248.7	2217.8	2109.0	2014.0
37.5°	2424.3	2429.4	2486.0	2551.1	2589.6	2587.9	2525.4	2388.3	2353.2	2235.0	2129.6
40°	2625.6	2636.7	2693.3	2766.1	2802.9	2797.8	2701.8	2549.4	2513.4	2373.8	2271.0
42.5°	2810.6	2828.6	2894.6	2969.1	3009.4	3006.0	2905.7	2734.4	2699.3	2541.7	2438.9
45°	2958.0	2976.8	3059.1	3162.7	3227.0	3221.0	3119.9	2926.3	2883.5	2718.1	2605.0
47.5°	3087.3	3107.0	3198.7	3308.3	3410.3	3420.6	3328.0	3119.9	3074.5	2907.4	2779.8
50°	3186.7	3196.1	3298.9	3418.9	3537.1	3594.5	3513.9	3314.3	3259.5	3094.2	2950.3
52.5°	3179.0	3191.8	3318.6	3481.4	3639.9	3734.1	3678.4	3497.7	3444.6	3264.7	3124.2
55°	3022.2	3035.1	3185.8	3423.1	3697.3	3836.0	3830.0	3672.4	3633.9	3438.6	3304.9
57.5°	2793.5	2821.8	2971.7	3227.8	3621.9	3917.4	3941.4	3831.8	3791.5	3609.0	3484.0
60°	2384.0	2421.7	2594.8	2927.1	3380.3	3890.0	4060.5	3966.2	3941.4	3767.5	3645.9
62.5°	1732.1	1759.5	1990.0	2426.0	3022.2	3694.7	4160.7	4105.0	4086.2	3909.7	3792.3
65°	1037.4	1099.9	1285.0	1715.9	2438.0	3326.3	4105.9	4286.6	4266.9	4056.2	3917.4
67.5°	525.1	553.4	626.2	930.3	1639.6	2752.4	3830.9	4399.7	4423.7	4181.3	3962.0
70°	325.5	333.2	353.8	459.2	818.9	1808.4	3132.7	4105.0	4222.4	4161.6	3846.3
72.5°	261.3	263.0	266.4	286.1	393.2	845.5	1980.6	3215.0	3426.6	3886.6	3681.0
75°	216.7	217.6	218.4	224.4	245.0	345.2	963.7	2209.3	2456.8	3303.2	3412.9
77.5°	173.9	169.6	173.0	175.6	180.8	192.7	332.4	1178.7	1429.7	2168.2	2639.3
80°	113.1	111.4	118.2	120.8	125.9	133.6	177.3	400.1	485.7	789.0	839.5
82.5°	60.8	57.4	72.0	69.4	72.0	78.0	104.5	146.5	164.5	238.1	201.3
85°	18.8	18.8	19.7	23.1	28.3	27.4	45.4	72.0	79.7	101.9	75.4
87.5°	3.4	3.4	3.4	3.4	3.4	4.3	9.4	14.6	19.7	35.1	26.6
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: P633573
 CATALOG NUMBER: GWS-SA2F-722-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6	1245.6
2.5°	1262.7	1255.0	1259.3	1261.8	1261.0	1259.3	1250.7	1249.0	1244.7	1237.8	1236.1
5°	1300.4	1291.8	1292.7	1290.1	1281.5	1270.4	1251.6	1242.1	1234.4	1225.9	1225.0
7.5°	1359.5	1350.1	1347.5	1335.5	1311.5	1285.8	1255.8	1238.7	1225.9	1214.7	1213.0
10°	1434.9	1425.4	1416.9	1388.6	1349.2	1314.9	1275.5	1250.7	1231.8	1218.1	1215.6
12.5°	1518.8	1511.1	1489.7	1448.6	1401.5	1361.2	1320.9	1290.1	1262.7	1242.1	1239.6
15°	1612.2	1595.1	1562.5	1509.4	1464.9	1432.3	1383.5	1341.5	1297.8	1270.4	1264.4
17.5°	1677.3	1662.7	1624.2	1572.8	1537.7	1509.4	1452.0	1392.0	1332.9	1292.7	1284.1
20°	1723.6	1708.1	1664.5	1626.8	1615.6	1591.6	1524.8	1455.4	1386.9	1337.2	1326.1
22.5°	1757.0	1740.7	1696.1	1677.3	1692.7	1688.4	1623.3	1544.5	1463.1	1404.0	1390.3
25°	1788.7	1773.2	1733.8	1740.7	1781.8	1794.7	1724.4	1632.8	1540.2	1470.9	1454.6
27.5°	1818.6	1798.9	1781.0	1818.6	1876.9	1900.9	1826.4	1722.7	1622.5	1551.4	1538.5
30°	1864.9	1841.8	1839.2	1894.0	1986.5	2007.1	1924.9	1821.2	1721.8	1649.9	1633.6
32.5°	1923.2	1901.7	1903.5	1985.7	2092.8	2109.9	2039.7	1942.9	1843.5	1771.5	1749.3
35°	2002.0	1975.4	1990.0	2091.1	2199.0	2230.7	2174.2	2093.6	1996.8	1923.2	1898.3
37.5°	2110.8	2072.2	2102.2	2208.4	2317.2	2364.3	2320.6	2260.7	2164.7	2090.2	2067.1
40°	2249.5	2217.8	2229.8	2347.2	2459.4	2516.0	2488.5	2429.4	2334.3	2256.4	2229.8
42.5°	2414.0	2382.3	2378.0	2503.1	2615.3	2701.0	2674.4	2620.5	2521.9	2432.9	2407.2
45°	2575.1	2545.9	2551.9	2679.6	2805.5	2898.9	2872.3	2808.9	2701.8	2599.0	2578.5
47.5°	2743.0	2719.0	2724.1	2859.5	2998.2	3091.6	3058.2	2981.1	2856.0	2746.4	2721.5
50°	2915.1	2887.7	2895.4	3037.6	3187.6	3275.8	3224.4	3110.5	2972.5	2865.5	2844.0
52.5°	3086.5	3053.9	3073.6	3208.1	3363.2	3433.4	3338.3	3200.4	3066.8	2960.5	2936.6
55°	3283.5	3249.2	3227.8	3371.7	3525.1	3554.2	3424.0	3262.9	3104.5	2983.7	2969.1
57.5°	3463.4	3434.3	3394.0	3537.9	3651.0	3629.6	3490.0	3245.8	3012.8	2857.8	2837.2
60°	3624.4	3599.6	3564.5	3687.0	3738.4	3690.4	3436.8	3042.8	2786.7	2624.7	2615.3
62.5°	3772.6	3746.1	3713.5	3818.0	3811.2	3699.8	3195.3	2731.0	2388.3	2214.4	2199.0
65°	3890.0	3866.0	3856.6	3938.8	3927.7	3515.7	2819.2	2220.4	1745.0	1548.8	1542.8
67.5°	3923.4	3914.0	3964.5	4104.2	3930.3	3145.6	2211.0	1472.6	937.2	751.3	740.1
70°	3798.3	3797.5	3942.3	4141.9	3573.9	2402.9	1304.7	663.9	471.2	418.0	411.2
72.5°	3635.6	3633.0	3747.8	3573.0	2650.4	1314.9	549.1	355.5	294.7	280.1	280.1
75°	3368.3	3361.5	3448.0	2718.1	1490.6	495.1	291.3	244.1	231.3	228.7	228.7
77.5°	2745.5	2688.1	2551.9	1679.9	520.0	243.3	192.7	191.9	184.2	183.3	183.3
80°	902.9	902.9	1049.4	640.8	229.6	149.9	136.2	143.1	135.3	130.2	129.4
82.5°	147.3	203.0	288.7	183.3	124.2	93.4	84.0	89.1	93.4	74.5	74.5
85°	58.3	76.2	111.4	85.7	57.4	37.7	40.3	44.5	39.4	34.3	33.4
87.5°	22.3	27.4	39.4	20.6	12.0	6.9	4.3	4.3	3.4	3.4	3.4
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)