

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: P634105

Luminaire Tested: GWS-SA3B-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7400.5 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

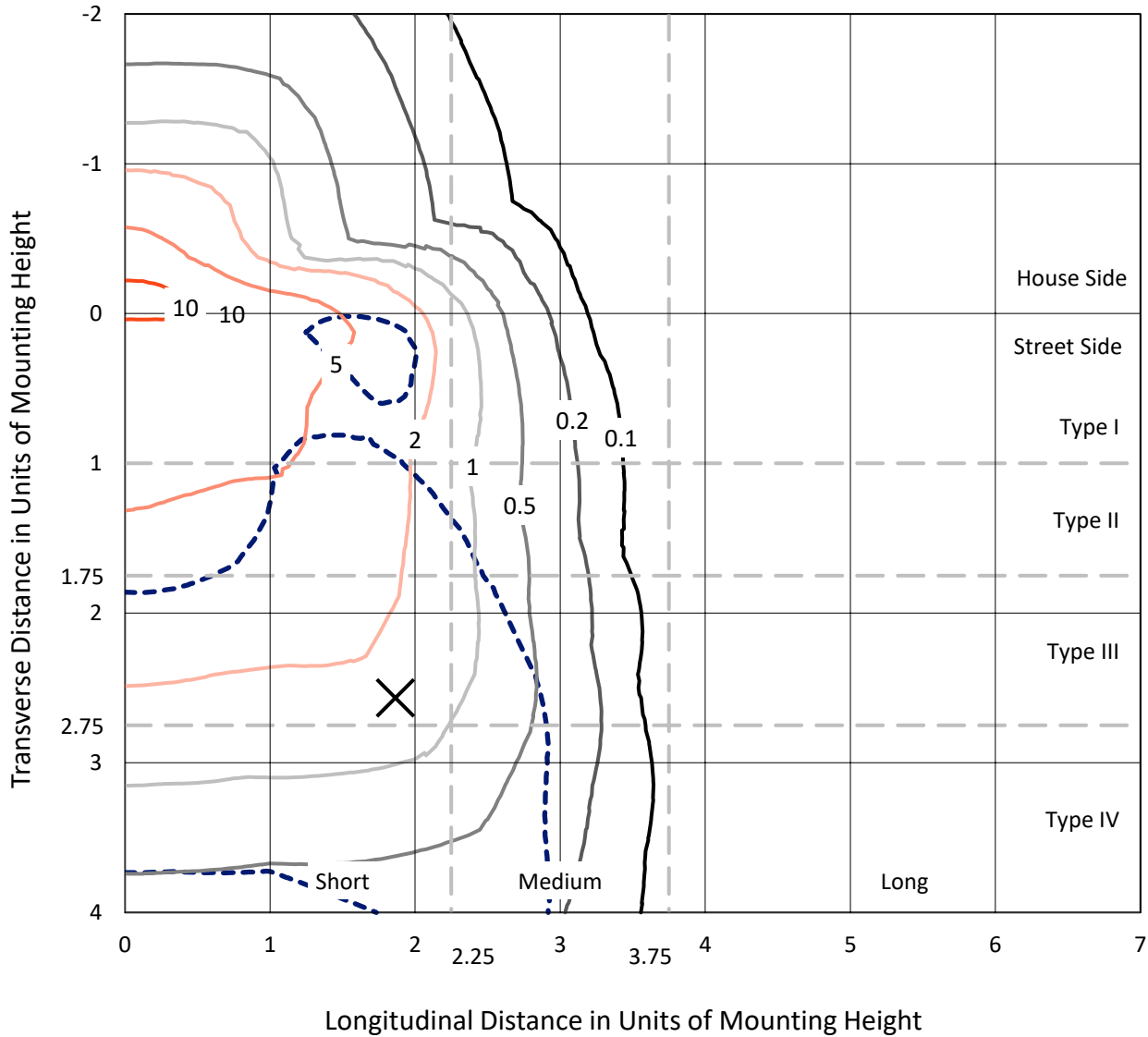
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634105
 CATALOG NUMBER: GWS-SA3B-722-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

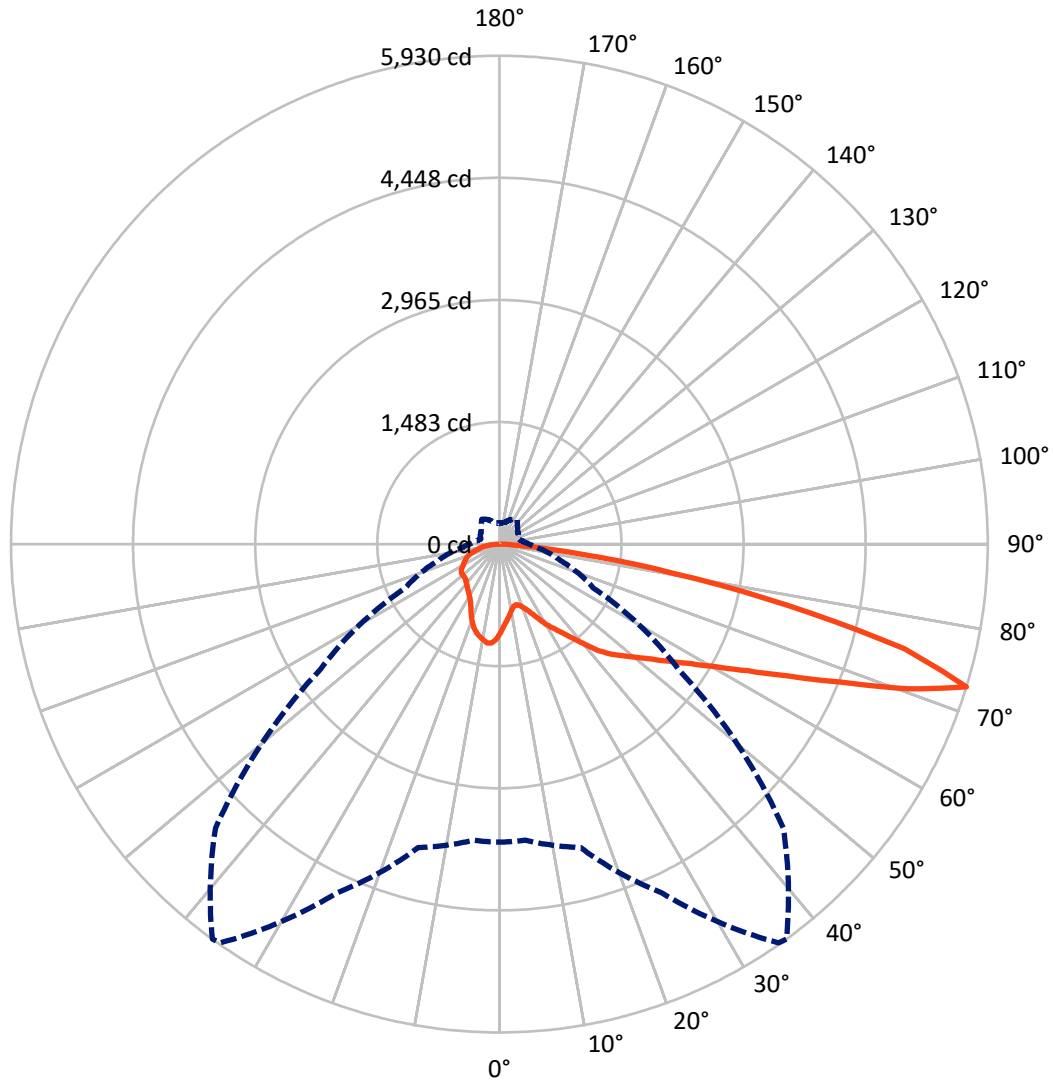
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P634105
CATALOG NUMBER: GWS-SA3B-722-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P634105

CATALOG NUMBER: GWS-SA3B-722-U-T4FT-W

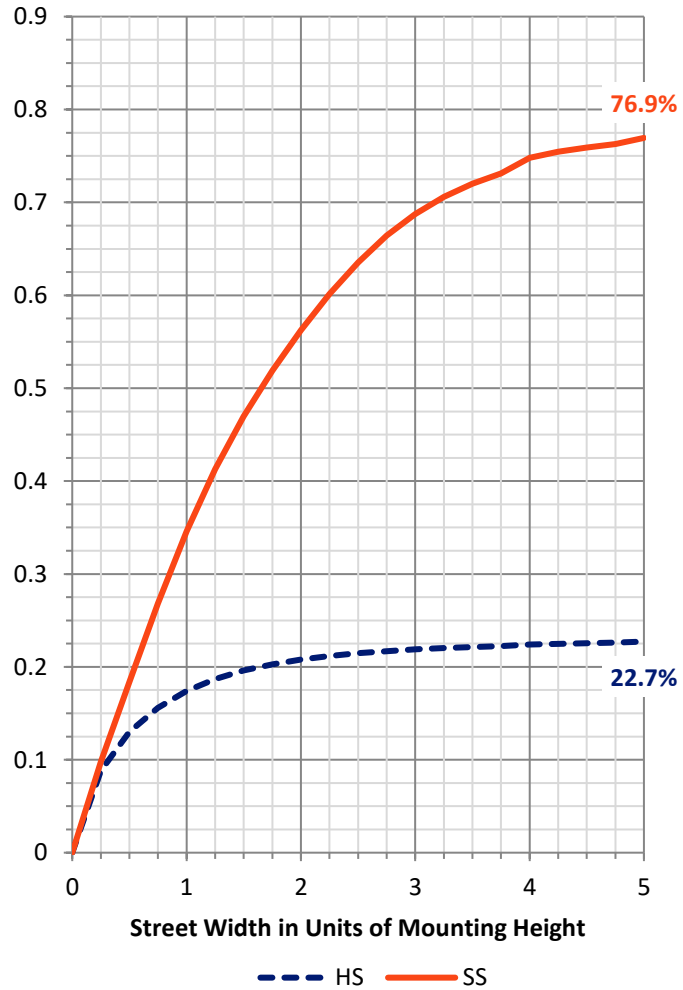
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1706.1	0.0	1706.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5694.4	0.0	5694.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	7400.5	0.0	7400.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	1.4
10°-20°	285.6	3.9
20°-30°	473.1	6.4
30°-40°	708.4	9.6
40°-50°	1033.5	14.0
50°-60°	1471.1	19.9
60°-70°	1858.6	25.1
70°-80°	1324.4	17.9
80°-90°	144.6	2.0
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°	7400.5	100.0
0°-180°	7400.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634105

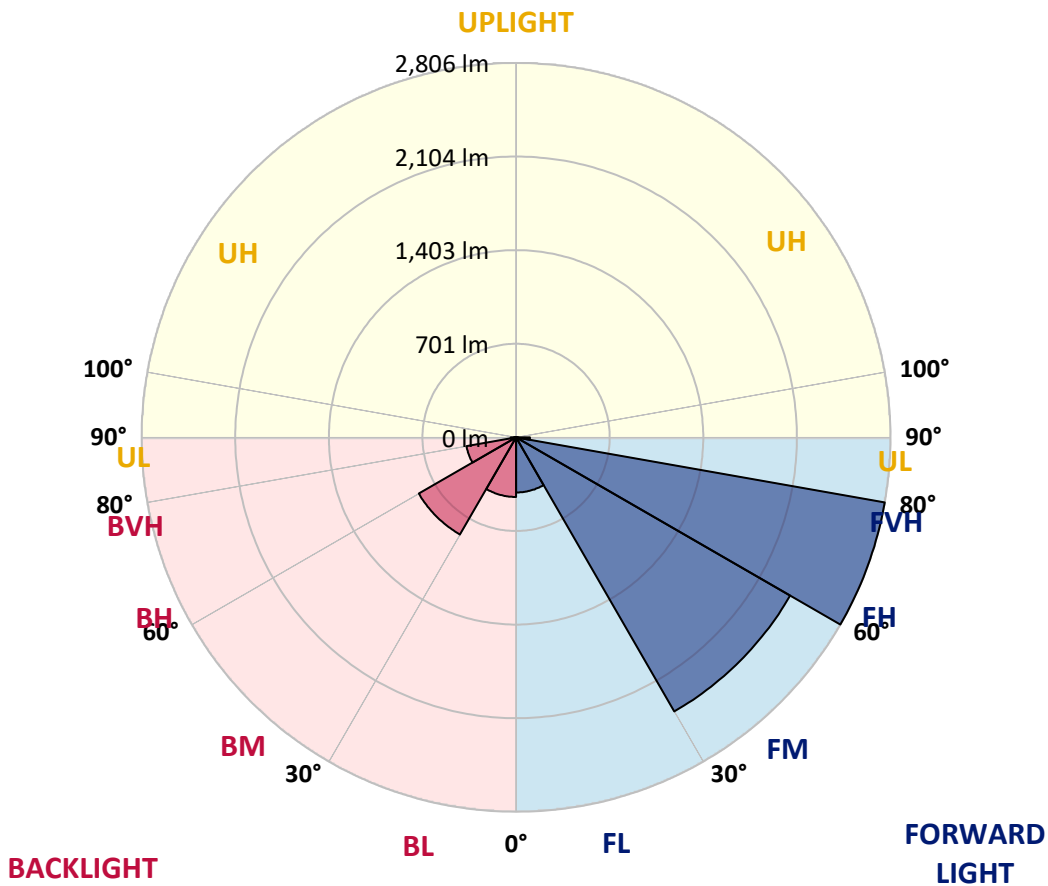
CATALOG NUMBER: GWS-SA3B-722-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.1	5.6			
FM (30°-60°)	2371.7	32.0			
FH (60°-80°)	2805.8	37.9			G2/5000
FVH (80°-90°)	103.8	1.4			G2/225
BL (0°-30°)	446.8	6.0	B1/500		
BM (30°-60°)	841.4	11.4	B1/1000		
BH (60°-80°)	377.2	5.1	B1/500		G1/500
BVH (80°-90°)	40.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P634105
 CATALOG NUMBER: GWS-SA3B-722-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1
2.5°	988.1	986.4	983.1	993.0	1002.9	1001.8	1015.5	1028.7	1043.0	1057.8	1077.6
5°	909.0	907.9	905.1	920.0	934.8	934.3	956.8	978.2	1007.3	1039.2	1078.7
7.5°	829.9	827.2	831.0	849.7	870.5	872.7	903.5	938.6	980.9	1028.7	1084.7
10°	760.1	759.6	761.2	782.1	813.4	815.6	855.2	904.0	960.1	1023.8	1098.5
12.5°	742.0	740.9	736.5	747.0	770.6	773.9	817.3	877.1	945.8	1026.5	1117.1
15°	771.7	768.9	753.6	748.6	760.1	762.9	799.7	861.2	937.5	1031.5	1140.8
17.5°	822.8	821.1	792.0	771.7	779.4	781.6	809.0	858.5	935.4	1041.4	1169.9
20°	897.5	890.3	844.7	814.0	814.0	817.3	833.7	870.5	938.1	1053.4	1202.8
22.5°	996.3	982.0	917.8	876.0	865.0	869.4	876.6	900.7	949.6	1073.8	1244.0
25°	1107.3	1094.1	1017.7	959.0	943.6	945.2	939.2	943.6	974.9	1101.8	1295.1
27.5°	1225.3	1216.6	1135.3	1060.6	1036.4	1036.4	1015.0	1004.6	1010.0	1133.6	1352.2
30°	1330.8	1318.7	1250.1	1168.2	1136.4	1136.4	1095.7	1073.2	1060.0	1172.6	1428.6
32.5°	1386.3	1379.1	1333.5	1270.9	1231.9	1225.9	1190.7	1164.4	1133.6	1230.3	1531.8
35°	1458.8	1457.1	1429.7	1380.8	1331.4	1322.6	1298.4	1277.5	1224.3	1302.2	1669.1
37.5°	1549.9	1547.2	1542.8	1513.7	1454.4	1452.7	1431.3	1406.0	1336.8	1406.0	1835.6
40°	1652.1	1647.2	1641.7	1641.1	1605.4	1599.4	1597.7	1569.2	1472.5	1531.3	2009.1
42.5°	1792.7	1775.7	1724.1	1747.1	1773.5	1768.0	1788.9	1746.0	1641.7	1680.1	2173.3
45°	1965.7	1924.0	1821.8	1828.4	1894.9	1905.9	1978.4	1967.9	1827.9	1852.0	2346.3
47.5°	2069.5	2033.3	1938.3	1932.8	2015.7	2029.4	2187.1	2206.8	2028.3	2059.1	2560.0
50°	2154.7	2129.4	2051.4	2059.1	2147.0	2160.7	2394.1	2436.4	2217.3	2271.1	2808.3
52.5°	2257.4	2221.1	2160.7	2196.9	2304.6	2321.1	2624.3	2669.8	2387.5	2504.0	3065.3
55°	2315.0	2300.2	2301.3	2356.8	2491.9	2514.4	2865.4	2857.7	2543.5	2703.3	3258.6
57.5°	2448.0	2442.5	2493.0	2513.9	2710.5	2739.6	3106.5	3040.6	2685.2	2857.7	3351.4
60°	2682.5	2668.7	2712.7	2744.5	2980.7	3021.9	3375.6	3219.6	2781.3	2972.5	3320.1
62.5°	3012.0	2995.0	2996.6	3047.2	3342.7	3386.0	3674.9	3369.0	2811.0	2990.0	3121.9
65°	3421.7	3397.0	3369.0	3437.7	3823.2	3859.5	4000.6	3477.8	2740.1	2820.9	2707.7
67.5°	3854.0	3833.7	3800.7	3944.6	4445.5	4467.5	4365.9	3468.4	2515.5	2368.3	1899.3
70°	3879.3	3884.2	4040.2	4560.9	5257.9	5263.3	4711.4	3280.6	2037.1	1535.1	946.3
72.5°	3618.9	3610.7	3813.9	4673.5	5911.4	5930.1	4874.5	2657.8	1258.9	765.6	443.8
75°	2939.5	2953.8	3167.5	4089.1	5066.7	5083.2	3973.7	1567.0	598.1	374.6	284.0
77.5°	1265.4	1345.1	1766.3	2880.8	3628.8	3577.7	2048.1	634.9	319.1	266.9	217.5
80°	365.2	396.5	629.4	1369.8	2174.4	2136.0	810.7	237.8	222.4	200.5	156.0
82.5°	118.1	130.7	230.7	545.4	974.3	973.2	307.6	140.6	145.5	136.2	100.5
85°	33.0	37.9	70.9	165.3	301.5	295.5	89.0	66.5	77.4	78.5	50.0
87.5°	0.0	0.0	0.5	1.1	1.1	1.1	2.2	9.9	22.5	28.6	20.3
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: P634105
 CATALOG NUMBER: GWS-SA3B-722-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1	1083.1
2.5°	1089.7	1088.0	1110.6	1128.1	1144.6	1155.6	1158.9	1161.1	1165.5	1167.7	1165.5
5°	1097.4	1105.6	1143.0	1170.4	1192.4	1205.6	1206.1	1205.0	1208.3	1205.6	1203.9
7.5°	1113.9	1129.8	1177.0	1206.1	1220.4	1221.0	1207.8	1192.4	1184.7	1178.1	1175.9
10°	1135.8	1159.4	1211.1	1230.3	1225.9	1205.6	1176.5	1152.3	1138.6	1128.7	1126.5
12.5°	1166.0	1192.4	1241.3	1240.7	1213.3	1177.0	1143.0	1113.9	1094.1	1082.5	1078.7
15°	1194.6	1228.1	1263.2	1237.4	1194.0	1150.1	1106.2	1067.2	1040.8	1022.7	1019.4
17.5°	1229.7	1265.4	1279.2	1227.0	1169.9	1113.3	1054.5	1003.5	967.8	946.3	944.7
20°	1270.4	1302.2	1286.9	1208.9	1138.6	1064.4	984.8	927.7	889.2	868.3	870.0
22.5°	1317.6	1340.7	1289.1	1184.2	1095.2	995.2	906.2	851.3	825.5	814.5	815.1
25°	1368.2	1383.0	1285.2	1150.7	1028.7	910.6	825.5	800.2	798.0	795.3	796.4
27.5°	1428.0	1424.7	1273.7	1103.4	939.2	812.3	768.9	775.5	784.3	783.2	784.3
30°	1508.2	1476.9	1258.9	1038.1	832.6	729.9	735.4	754.1	765.6	766.7	770.0
32.5°	1599.9	1534.6	1235.2	949.1	731.0	683.8	704.1	726.6	740.4	743.1	747.5
35°	1709.2	1600.5	1193.5	838.1	658.0	656.3	675.0	690.4	705.2	706.3	706.3
37.5°	1835.0	1666.4	1127.0	715.7	612.9	632.7	650.3	653.6	657.4	654.1	655.8
40°	1950.3	1730.1	1032.6	604.2	576.2	611.9	626.7	615.7	603.6	595.4	597.0
42.5°	2047.0	1773.5	907.3	526.2	538.8	593.2	604.7	582.2	558.6	543.2	545.4
45°	2155.8	1813.6	760.1	473.4	506.9	580.0	587.7	558.6	528.4	505.3	502.0
47.5°	2305.7	1895.4	629.4	436.6	484.4	572.9	585.5	545.9	506.4	471.8	468.0
50°	2490.8	2011.3	520.1	412.5	474.0	569.0	584.9	532.2	485.0	444.3	441.6
52.5°	2692.9	2124.5	439.4	393.8	463.6	557.5	582.2	516.8	462.5	418.5	415.2
55°	2827.5	2168.9	385.0	376.2	446.5	539.4	571.2	502.0	428.4	388.3	383.4
57.5°	2867.0	2111.8	347.1	360.3	424.6	514.1	550.3	470.7	407.5	375.7	371.8
60°	2798.9	1967.9	323.5	347.1	400.4	481.7	514.1	452.6	391.1	362.5	359.8
62.5°	2606.7	1746.0	305.4	333.4	375.7	447.6	491.0	430.6	372.9	350.4	346.6
65°	2220.0	1431.9	290.5	319.1	352.1	415.2	465.8	408.6	353.2	336.1	331.7
67.5°	1552.7	1005.7	274.6	302.1	328.4	383.9	439.4	388.3	332.8	320.2	315.8
70°	759.0	533.3	255.4	282.3	303.2	352.1	413.0	363.6	305.9	298.8	292.7
72.5°	361.4	298.2	232.9	255.4	268.6	309.8	369.1	327.9	274.1	258.7	248.3
75°	242.2	212.0	203.2	223.5	226.8	259.8	316.4	282.9	241.7	224.1	215.3
77.5°	183.4	162.0	170.8	188.9	182.3	213.7	260.3	252.1	218.0	202.1	197.7
80°	129.1	118.1	135.7	146.6	141.7	181.8	234.5	215.9	179.6	162.0	158.7
82.5°	81.3	79.1	100.0	101.6	103.3	143.9	192.8	169.7	139.5	114.8	106.6
85°	40.6	45.0	59.9	59.9	59.3	74.1	109.8	95.6	75.2	59.9	58.2
87.5°	13.7	19.2	25.8	20.9	15.9	12.6	14.3	17.6	18.7	18.1	18.1
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)