

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: P631102

Luminaire Tested: GWS-SA1F-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6098.3 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

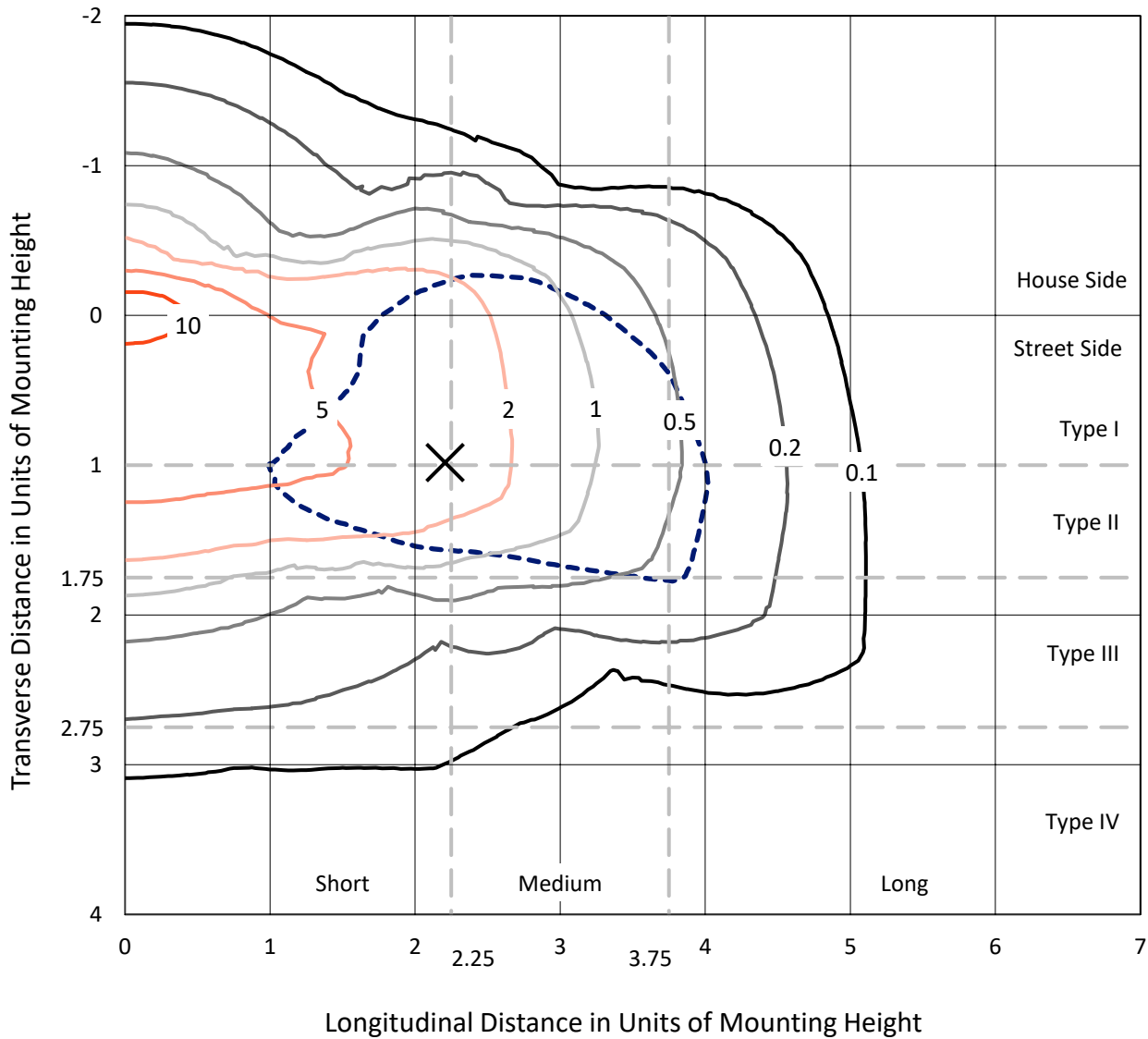
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631102
 CATALOG NUMBER: GWS-SA1F-722-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

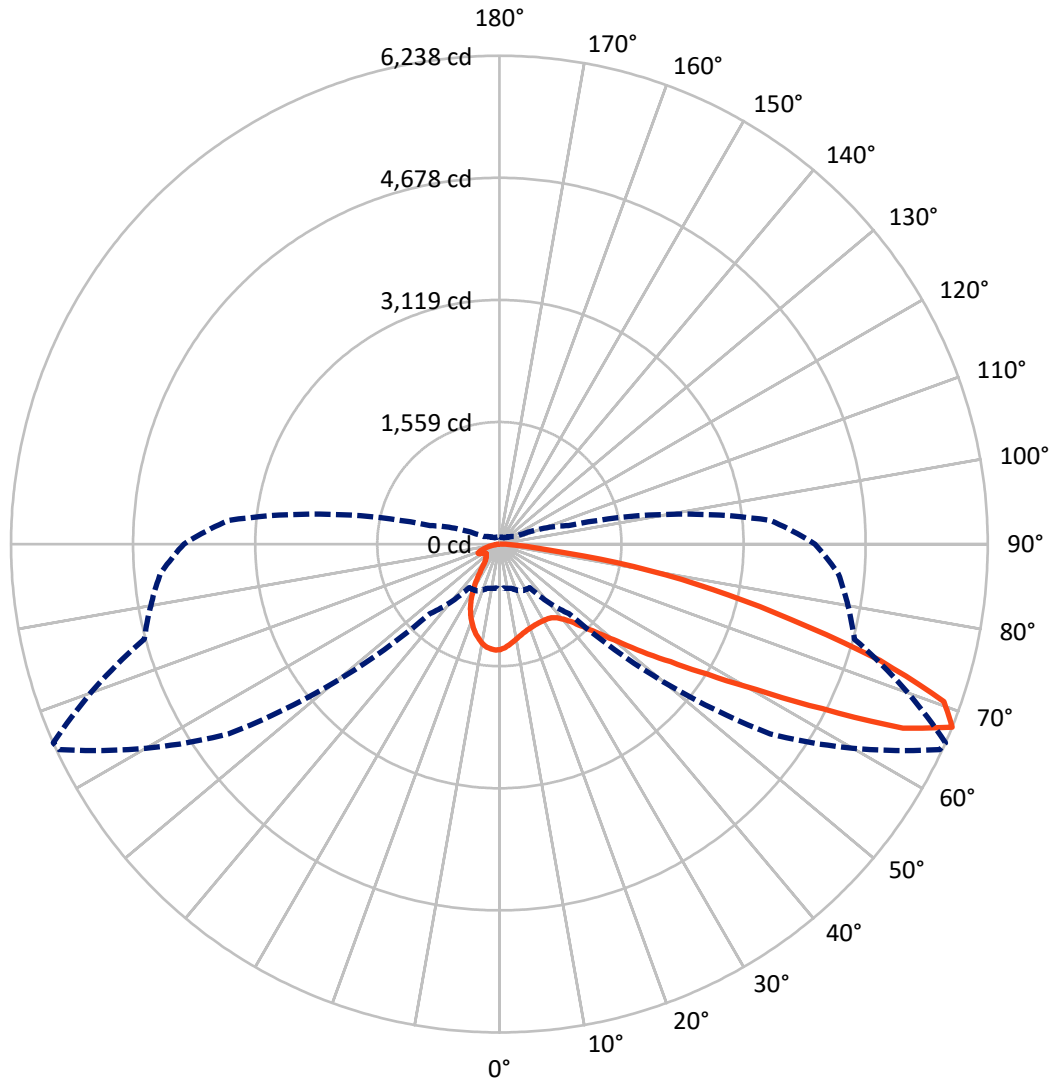
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

REPORT NUMBER: P631102
CATALOG NUMBER: GWS-SA1F-722-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631102

CATALOG NUMBER: GWS-SA1F-722-U-SL2-W

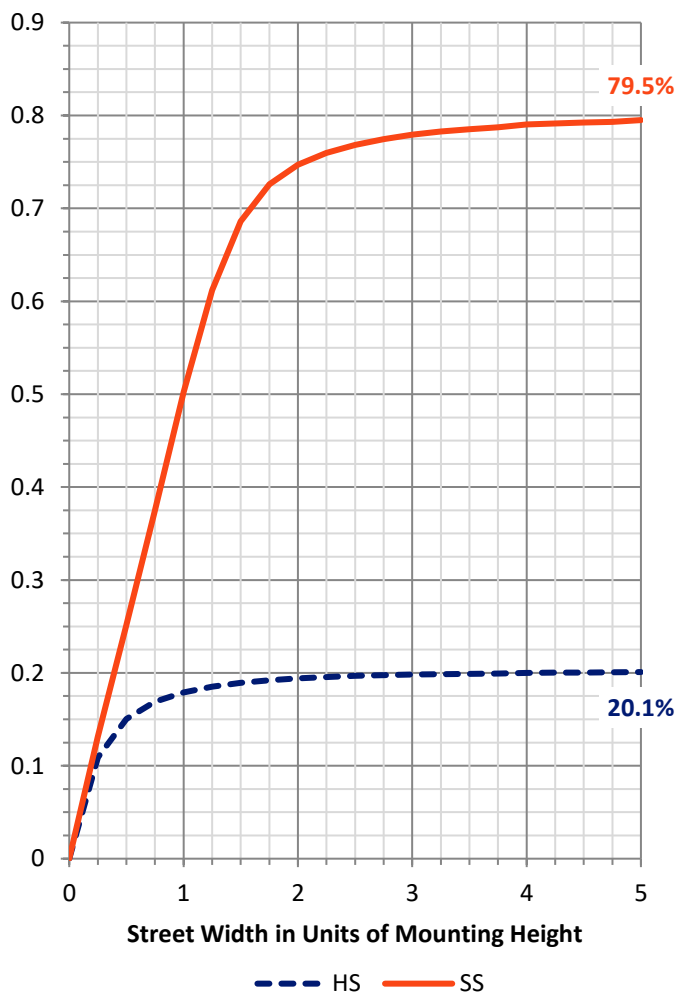
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.5	0.0	1237.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	4860.8	0.0	4860.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	6098.3	0.0	6098.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	1.9
10°-20°	290.6	4.8
20°-30°	399.5	6.6
30°-40°	546.2	9.0
40°-50°	827.6	13.6
50°-60°	1286.6	21.1
60°-70°	1566.4	25.7
70°-80°	954.2	15.6
80°-90°	109.0	1.8
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°	6098.3	100.0
0°-180°	6098.3	100.0

Coefficient of Utilization



REPORT NUMBER: P631102

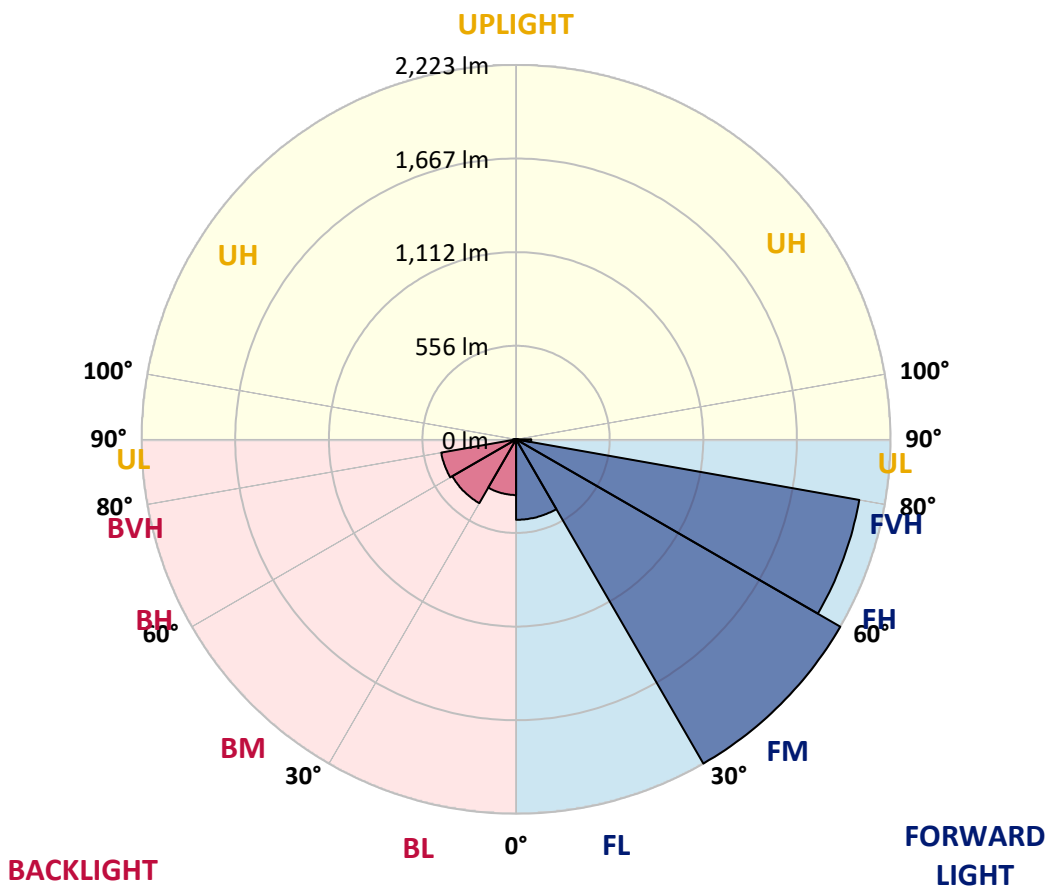
CATALOG NUMBER: GWS-SA1F-722-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.8	7.8			
FM (30°-60°)	2223.1	36.5			
FH (60°-80°)	2069.3	33.9			G2/5000
FVH (80°-90°)	90.6	1.5			G1/100
BL (0°-30°)	330.6	5.4	B1/500		
BM (30°-60°)	437.3	7.2	B1/1000		
BH (60°-80°)	451.2	7.4	B1/500		G1/500
BVH (80°-90°)	18.4	0.3			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 II Short





REPORT NUMBER: P631102
 CATALOG NUMBER: GWS-SA1F-722-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6
2.5°	1262.1	1266.6	1263.9	1280.8	1281.7	1303.1	1315.1	1325.3	1326.2	1339.5	1348.4
5°	1175.8	1178.5	1178.5	1194.5	1205.2	1233.7	1261.2	1290.6	1292.8	1324.9	1349.3
7.5°	1106.0	1108.6	1106.9	1128.2	1142.0	1173.6	1208.7	1253.7	1258.1	1309.7	1352.4
10°	1051.3	1050.4	1054.8	1074.4	1092.2	1130.0	1169.2	1220.3	1227.0	1292.4	1356.0
12.5°	1013.9	1014.8	1017.4	1037.9	1057.0	1094.4	1134.9	1190.5	1197.6	1272.4	1354.2
15°	996.1	994.3	996.5	1015.2	1033.5	1066.4	1108.2	1165.6	1172.7	1254.6	1354.7
17.5°	992.1	990.8	990.3	1003.7	1017.4	1048.1	1088.2	1146.5	1154.0	1243.0	1357.3
20°	1004.5	1002.8	997.9	1003.7	1009.4	1035.2	1073.9	1132.7	1141.1	1235.4	1362.7
22.5°	1038.8	1035.7	1028.1	1021.0	1013.4	1029.0	1065.1	1122.4	1130.9	1230.5	1368.0
25°	1090.9	1088.2	1080.2	1064.2	1036.6	1033.9	1063.3	1118.0	1126.4	1227.0	1370.2
27.5°	1162.5	1158.5	1150.5	1127.3	1082.4	1052.1	1069.9	1117.5	1125.6	1223.0	1368.0
30°	1247.5	1244.8	1240.3	1212.3	1152.2	1090.9	1085.1	1121.1	1127.3	1220.8	1363.6
32.5°	1333.8	1331.1	1334.6	1321.3	1247.5	1154.9	1118.0	1130.9	1135.3	1220.3	1359.6
35°	1409.8	1412.9	1438.8	1441.0	1368.5	1241.7	1170.0	1153.6	1154.5	1229.2	1361.3
37.5°	1489.5	1501.5	1535.3	1564.2	1503.7	1356.4	1247.5	1196.3	1195.4	1251.9	1372.5
40°	1594.9	1600.2	1643.4	1697.7	1659.9	1513.9	1357.3	1266.1	1259.9	1298.2	1402.3
42.5°	1697.7	1710.6	1779.5	1841.8	1829.4	1691.4	1495.7	1370.7	1359.6	1380.0	1463.7
45°	1828.5	1840.9	1918.3	1998.4	2021.1	1892.1	1672.8	1519.3	1508.2	1503.3	1576.2
47.5°	1959.3	1972.2	2041.6	2157.2	2236.9	2143.0	1903.2	1715.5	1697.2	1678.1	1746.2
50°	2047.4	2062.5	2128.8	2267.6	2454.4	2456.2	2176.4	1972.6	1949.5	1919.2	1985.5
52.5°	2044.2	2054.0	2117.2	2277.4	2611.0	2816.1	2542.1	2300.0	2281.4	2215.5	2273.4
55°	1883.6	1898.3	1961.9	2162.1	2627.9	3157.3	3079.5	2686.2	2652.8	2534.9	2598.6
57.5°	1561.1	1573.6	1637.6	1884.5	2478.0	3332.2	3761.9	3178.2	3132.4	2882.8	2956.2
60°	1178.5	1163.4	1193.6	1409.8	2119.4	3336.6	4364.3	3845.6	3769.1	3254.8	3316.2
62.5°	884.4	869.3	876.0	936.9	1437.0	3067.0	4707.8	4758.5	4632.1	3674.7	3662.7
65°	698.9	690.5	709.6	751.4	837.7	2335.6	4710.4	5745.7	5666.0	4161.4	4018.2
67.5°	569.5	564.1	583.7	661.1	679.3	1255.0	4223.7	6206.6	6237.7	4694.4	4347.8
70°	458.7	450.7	481.4	583.2	631.7	759.4	3025.7	5971.7	6021.9	5012.1	4254.9
72.5°	316.8	317.2	332.8	472.5	609.9	655.8	1711.5	4972.5	5081.5	4724.2	3740.6
75°	213.5	215.3	219.8	311.9	561.9	636.2	912.0	3764.6	3841.6	3904.7	3091.9
77.5°	129.0	129.9	140.1	188.6	387.5	593.9	617.9	2728.9	2789.4	2574.1	1916.6
80°	74.7	77.9	87.2	126.3	261.6	446.2	478.2	1673.2	1741.7	1144.2	609.0
82.5°	32.9	35.1	47.6	73.4	152.6	379.5	373.3	661.1	651.3	319.0	211.3
85°	5.8	7.1	10.2	23.1	56.1	200.2	289.6	291.8	274.5	121.0	87.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	43.6	78.3	77.9	34.3	30.3
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: P631102
 CATALOG NUMBER: GWS-SA1F-722-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6
2.5°	1354.2	1342.2	1352.9	1354.2	1352.0	1350.2	1336.9	1325.3	1324.0	1311.5	1311.5
5°	1359.1	1348.0	1353.3	1343.1	1327.1	1310.6	1282.2	1262.6	1253.7	1237.7	1237.7
7.5°	1365.8	1354.2	1348.0	1322.6	1285.3	1249.2	1203.4	1165.1	1149.6	1126.9	1126.0
10°	1372.0	1357.3	1336.0	1286.6	1227.0	1169.6	1102.9	1048.6	1011.7	984.5	984.5
12.5°	1371.6	1352.4	1310.2	1237.2	1154.9	1071.7	982.7	900.9	852.0	809.7	807.0
15°	1370.7	1344.4	1277.3	1179.8	1070.8	955.6	834.6	727.8	655.3	613.9	610.4
17.5°	1369.8	1334.2	1240.3	1114.4	968.5	811.5	651.8	536.1	475.6	450.2	451.1
20°	1369.8	1322.6	1200.7	1039.2	850.6	638.9	478.2	394.2	379.0	380.4	381.7
22.5°	1365.8	1308.4	1156.7	957.4	719.4	469.8	352.8	324.3	332.3	344.8	346.6
25°	1356.4	1284.8	1105.5	866.6	563.2	342.1	287.8	282.5	297.2	312.8	317.2
27.5°	1341.8	1257.7	1048.1	760.3	414.6	274.9	253.1	252.7	264.3	275.8	279.8
30°	1326.2	1227.4	987.6	642.0	300.3	239.3	230.9	230.9	236.7	243.8	242.9
32.5°	1308.0	1196.7	922.7	518.7	244.7	219.3	216.7	215.3	216.2	218.9	218.9
35°	1292.4	1169.6	856.0	388.4	219.3	208.2	205.5	202.4	201.1	199.3	200.2
37.5°	1286.6	1148.2	787.0	292.7	206.9	200.2	195.7	191.3	188.2	187.3	186.9
40°	1295.9	1139.3	718.0	241.1	198.0	191.7	186.9	181.1	178.4	178.4	178.4
42.5°	1332.4	1146.0	647.7	218.0	191.7	184.6	177.5	172.2	171.3	172.2	172.6
45°	1399.2	1171.8	574.8	206.4	186.4	177.5	169.1	165.1	165.1	165.9	165.9
47.5°	1518.4	1239.4	502.7	199.3	181.1	171.7	162.8	158.8	158.4	159.3	159.3
50°	1724.8	1361.3	437.8	194.4	177.1	167.3	158.4	153.0	151.7	151.3	151.3
52.5°	1985.1	1572.7	396.4	190.9	172.2	162.4	153.5	146.4	143.7	142.4	142.4
55°	2299.6	1854.3	396.4	188.2	165.9	156.6	146.4	139.2	135.2	133.5	133.5
57.5°	2656.0	2182.2	464.9	186.0	161.0	149.9	138.8	131.7	127.2	124.6	124.6
60°	3018.5	2528.7	634.4	182.8	156.6	141.5	130.4	123.7	117.9	114.8	114.3
62.5°	3394.5	2910.4	857.7	184.6	153.5	133.5	121.5	113.9	109.0	105.9	105.4
65°	3738.8	3273.9	1053.0	198.4	153.9	126.3	111.2	104.5	100.5	96.5	96.1
67.5°	4031.1	3474.5	916.0	226.4	163.3	117.9	101.0	94.3	90.8	88.1	87.6
70°	3826.4	3168.5	519.6	243.8	176.2	109.0	89.4	85.0	81.4	79.6	79.2
72.5°	3272.1	2682.6	347.5	215.3	160.6	97.4	78.7	75.2	72.5	70.3	69.8
75°	2650.6	2127.4	265.6	176.6	125.0	79.2	67.6	65.0	62.3	60.1	59.6
77.5°	1568.2	1229.2	195.7	139.7	88.1	61.8	56.1	53.8	51.2	49.4	48.9
80°	500.5	427.1	124.1	96.1	58.3	47.6	43.2	41.4	38.7	36.5	36.0
82.5°	190.9	165.1	65.8	48.9	38.7	32.5	28.9	27.1	25.4	23.1	22.7
85°	84.5	79.2	36.5	26.2	20.9	16.0	14.2	13.3	11.1	9.3	8.9
87.5°	29.8	29.8	15.6	7.6	4.4	2.2	1.3	0.4	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)