

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: P631601

Luminaire Tested: GWS-SA2B-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4980.8 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

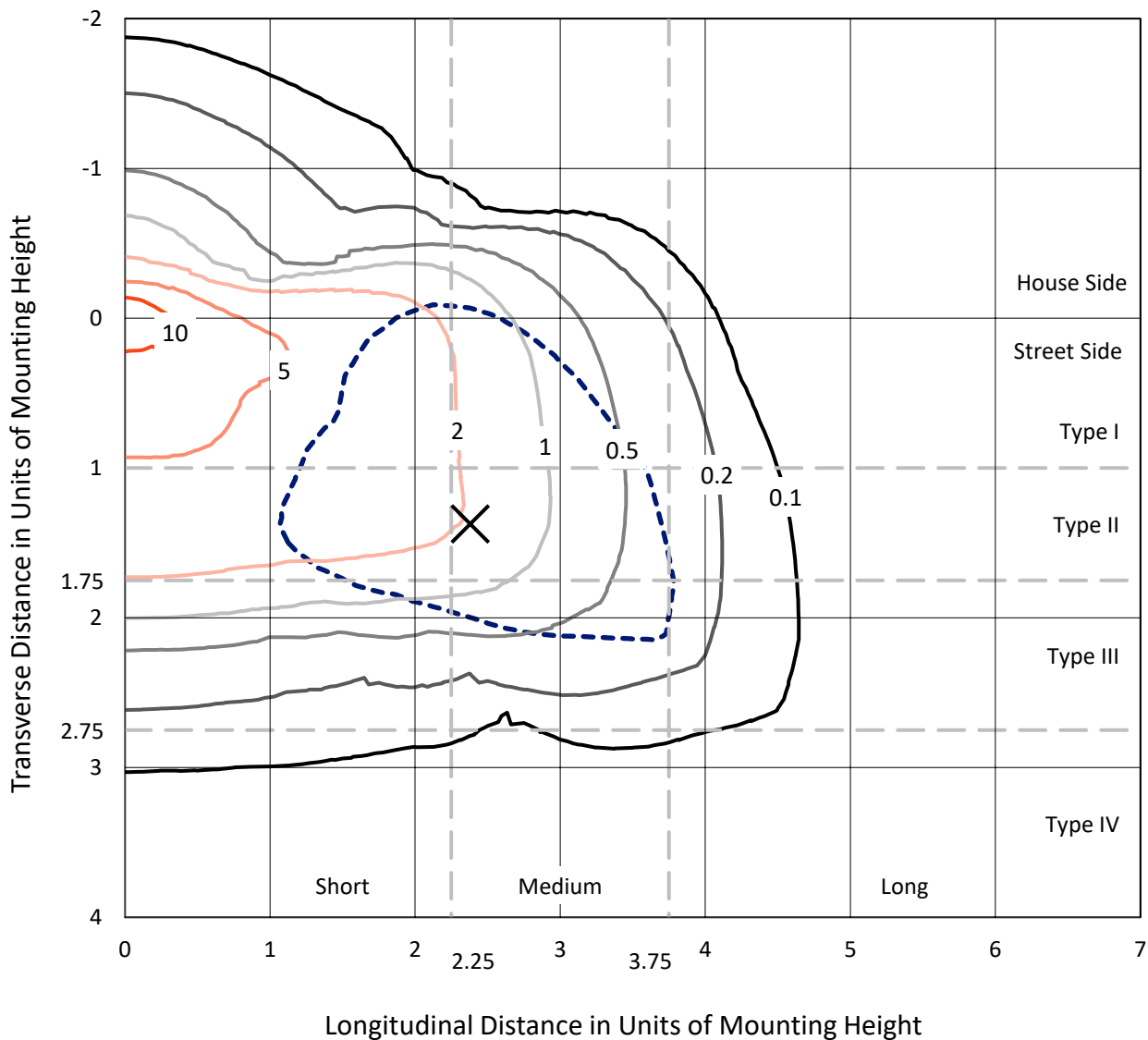
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631601
 CATALOG NUMBER: GWS-SA2B-722-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

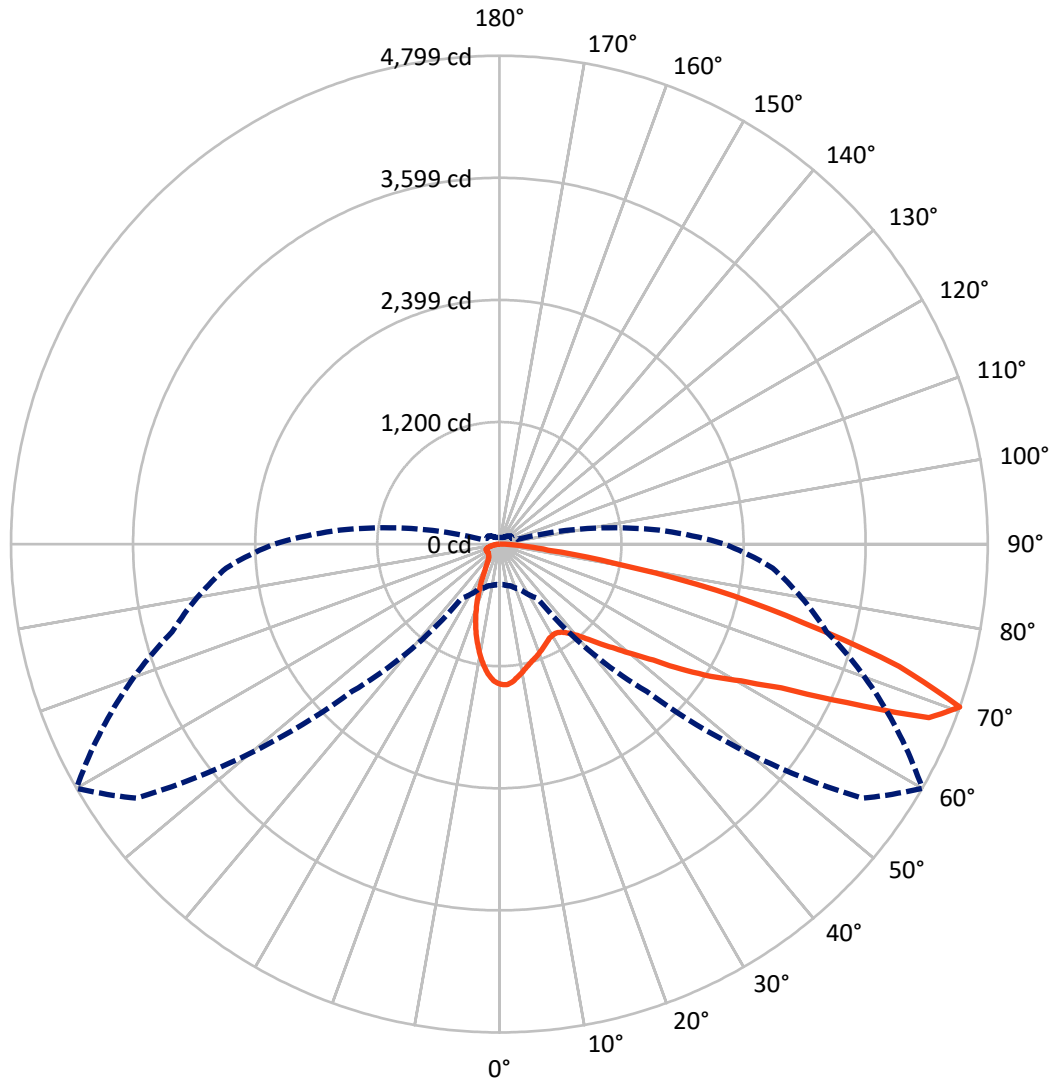
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P631601
CATALOG NUMBER: GWS-SA2B-722-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P631601

CATALOG NUMBER: GWS-SA2B-722-U-SL3-W

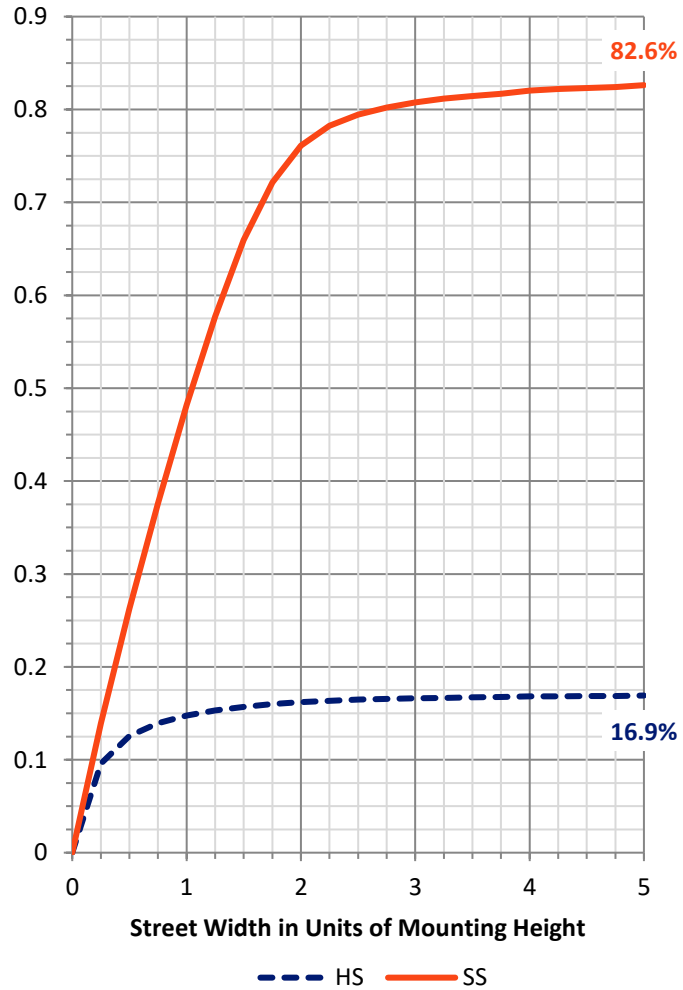
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.8	0.0	851.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	4129.0	0.0	4129.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	4980.8	0.0	4980.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	2.4
10°-20°	266.2	5.3
20°-30°	340.8	6.8
30°-40°	448.0	9.0
40°-50°	649.9	13.0
50°-60°	1014.0	20.4
60°-70°	1327.6	26.7
70°-80°	734.1	14.7
80°-90°	81.5	1.6
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°	4980.8	100.0
0°-180°	4980.8	100.0

Coefficient of Utilization



REPORT NUMBER: P631601

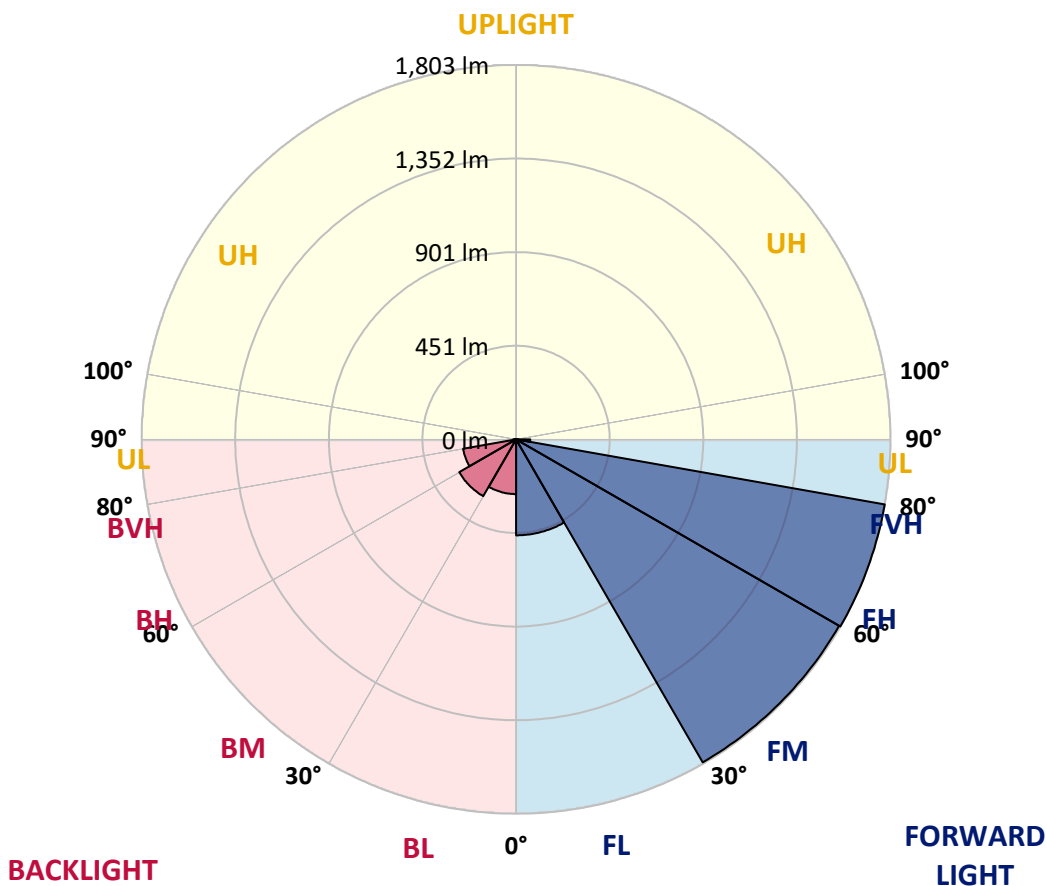
CATALOG NUMBER: GWS-SA2B-722-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.3	9.3			
FM (30°-60°)	1796.1	36.1			
FH (60°-80°)	1802.8	36.2			G2/5000
FVH (80°-90°)	67.9	1.4			G1/100
BL (0°-30°)	263.5	5.3	B1/500		
BM (30°-60°)	315.8	6.3	B1/1000		
BH (60°-80°)	258.9	5.2	B1/500		G1/500
BVH (80°-90°)	13.6	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 III Medium





REPORT NUMBER: P631601

CATALOG NUMBER: GWS-SA2B-722-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3
2.5°	1358.9	1360.4	1364.4	1370.2	1376.1	1379.0	1386.3	1384.1	1382.6	1379.7	1376.1
5°	1298.8	1301.7	1305.4	1316.7	1329.4	1339.6	1356.0	1357.8	1358.6	1360.0	1354.2
7.5°	1222.3	1223.0	1231.8	1246.7	1263.5	1281.0	1308.3	1315.9	1322.5	1329.8	1325.0
10°	1137.7	1139.6	1146.1	1167.6	1196.4	1222.3	1259.1	1271.8	1285.7	1301.7	1295.2
12.5°	1068.5	1068.9	1079.4	1102.4	1133.7	1168.7	1214.6	1229.9	1248.2	1273.3	1267.5
15°	1013.5	1013.5	1023.3	1043.0	1079.1	1120.2	1174.9	1194.6	1219.4	1253.3	1243.1
17.5°	969.7	970.1	976.3	997.1	1029.1	1074.7	1139.6	1166.2	1193.5	1238.3	1223.0
20°	946.8	945.0	946.0	958.8	986.1	1030.2	1104.2	1135.2	1172.0	1228.1	1204.8
22.5°	945.7	942.4	937.7	938.8	954.8	991.2	1066.3	1103.8	1150.1	1219.7	1186.2
25°	964.3	960.6	952.2	942.8	941.3	963.2	1030.6	1073.2	1127.5	1216.1	1168.3
27.5°	995.6	993.1	982.1	967.9	953.0	952.2	1003.6	1048.1	1111.1	1219.7	1155.6
30°	1037.2	1032.8	1025.9	1007.6	985.0	961.7	993.1	1034.6	1100.2	1231.4	1150.1
32.5°	1084.2	1081.6	1075.1	1056.8	1032.8	995.6	1001.4	1037.5	1100.2	1251.8	1151.2
35°	1134.1	1133.7	1133.7	1121.7	1095.1	1048.8	1034.6	1062.3	1117.0	1284.6	1162.9
37.5°	1182.6	1182.2	1193.9	1198.2	1168.0	1118.1	1091.1	1111.9	1153.8	1333.1	1191.7
40°	1221.9	1223.4	1248.9	1270.7	1254.0	1207.7	1169.8	1180.4	1213.5	1401.9	1242.0
42.5°	1261.6	1265.6	1303.9	1342.5	1349.1	1309.0	1270.7	1276.9	1299.2	1493.0	1317.0
45°	1305.0	1306.8	1360.4	1414.3	1446.0	1422.3	1391.0	1399.4	1404.5	1605.7	1428.9
47.5°	1346.9	1351.6	1420.9	1494.9	1555.0	1552.8	1535.3	1532.8	1533.9	1742.7	1561.2
50°	1404.1	1411.0	1492.3	1581.6	1669.8	1710.2	1715.3	1696.0	1688.0	1895.0	1725.9
52.5°	1512.7	1512.7	1585.6	1673.4	1791.9	1892.1	1926.3	1894.6	1869.1	2056.1	1900.8
55°	1648.7	1654.5	1712.4	1783.5	1933.6	2083.4	2199.3	2164.3	2092.2	2231.4	2084.1
57.5°	1709.1	1716.4	1808.3	1918.7	2119.1	2301.0	2461.7	2449.3	2344.0	2413.6	2274.4
60°	1599.8	1615.1	1741.6	1926.7	2287.1	2651.9	2765.2	2729.2	2578.7	2604.9	2480.6
62.5°	1334.5	1351.3	1491.6	1750.0	2263.8	3031.3	3243.7	3110.7	2871.7	2846.5	2755.4
65°	796.3	795.5	964.3	1306.8	1976.3	3136.6	4001.0	3752.8	3324.3	3178.1	3038.2
67.5°	506.2	505.1	540.4	692.4	1315.2	2878.6	4487.9	4552.4	3939.1	3421.9	3061.5
70°	399.4	399.0	424.6	493.8	650.5	2048.4	4352.3	4798.7	4310.4	3329.0	2695.6
72.5°	291.2	291.9	331.3	413.6	501.8	1028.4	3524.3	4106.0	3964.6	2938.7	2188.4
75°	209.2	210.3	234.0	316.7	462.8	562.3	2343.6	3087.4	3016.3	2355.6	1505.4
77.5°	133.0	134.5	155.2	221.9	373.9	454.1	1420.9	2179.6	2006.9	1327.2	535.3
80°	81.3	86.0	103.5	165.4	298.8	340.7	710.3	1148.3	1005.1	364.1	180.0
82.5°	41.9	45.6	62.3	102.4	205.9	299.2	402.0	482.5	311.2	152.3	95.8
85°	13.1	15.3	21.9	41.5	98.0	185.5	266.0	239.8	142.9	71.8	44.5
87.5°	3.3	3.3	3.6	3.6	4.0	8.4	51.4	54.3	37.9	22.6	18.2
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: P631601
 CATALOG NUMBER: GWS-SA2B-722-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3
2.5°	1368.8	1360.0	1356.4	1356.0	1346.9	1333.8	1325.0	1318.9	1315.2	1314.5	1314.5
5°	1344.4	1333.1	1318.1	1306.8	1282.4	1257.6	1236.9	1225.2	1211.7	1209.9	1209.5
7.5°	1311.9	1295.5	1267.1	1235.4	1192.8	1151.6	1116.6	1092.9	1069.2	1064.8	1063.4
10°	1276.9	1254.7	1206.2	1150.5	1086.7	1025.1	971.6	929.6	901.9	882.3	878.6
12.5°	1242.3	1212.8	1141.7	1058.7	971.2	887.0	806.5	738.0	688.4	659.6	654.5
15°	1209.9	1168.7	1071.4	965.4	851.7	736.5	622.4	533.5	463.9	439.1	433.3
17.5°	1180.4	1129.0	1003.3	868.8	727.0	576.5	446.8	367.7	326.9	314.5	311.6
20°	1150.9	1088.2	934.0	767.1	594.7	426.0	326.5	289.4	274.0	269.3	267.9
22.5°	1119.1	1043.3	858.6	666.9	461.0	318.9	267.1	250.7	246.0	246.4	246.0
25°	1087.4	997.8	779.5	557.9	343.3	258.7	233.2	227.0	228.1	231.4	232.1
27.5°	1061.2	957.3	701.9	438.4	268.2	222.7	210.6	210.3	214.3	218.7	219.4
30°	1042.3	921.3	625.4	337.1	220.8	197.9	193.1	195.3	200.1	203.3	204.4
32.5°	1028.8	890.3	543.7	264.9	193.5	180.4	178.2	180.4	183.3	186.6	187.3
35°	1024.0	867.7	463.5	216.1	174.9	167.6	166.2	167.3	168.7	170.6	171.3
37.5°	1034.6	856.4	379.7	188.0	163.6	159.3	157.1	156.3	156.7	157.4	157.8
40°	1065.9	861.5	311.2	171.6	156.3	152.3	148.7	147.2	146.9	147.6	147.2
42.5°	1119.9	883.0	261.7	162.2	150.5	144.7	140.7	139.2	139.2	141.0	141.0
45°	1199.0	925.3	225.9	155.2	145.4	138.1	133.7	133.0	134.5	137.4	137.8
47.5°	1314.8	987.2	204.4	150.1	140.7	132.3	127.9	127.5	130.5	135.2	135.6
50°	1452.2	1076.5	192.8	146.5	137.4	127.5	123.2	123.5	126.8	131.9	133.0
52.5°	1617.7	1198.2	193.5	145.0	135.6	124.6	120.3	119.5	122.8	127.9	129.0
55°	1788.6	1346.2	207.7	145.4	133.0	123.2	117.3	114.8	117.7	121.4	121.7
57.5°	1976.6	1513.1	243.1	144.7	129.7	121.7	114.8	109.0	110.8	113.0	114.1
60°	2188.7	1709.5	319.2	146.1	128.3	118.4	109.7	102.0	101.7	103.1	103.5
62.5°	2472.3	1976.6	404.9	148.7	131.6	114.4	102.0	94.0	92.6	93.3	93.7
65°	2689.1	2104.2	377.9	146.5	138.5	111.5	94.8	86.4	83.5	82.7	82.7
67.5°	2600.9	1935.5	263.1	140.7	141.8	111.9	88.9	78.4	74.7	72.9	72.5
70°	2213.1	1572.1	182.9	134.8	138.1	111.1	82.7	71.8	67.1	64.5	64.1
72.5°	1748.5	1200.4	148.0	123.2	125.4	100.2	73.6	64.5	60.5	57.2	57.2
75°	1125.3	732.5	123.5	109.7	102.4	78.0	63.8	57.6	53.6	50.3	50.3
77.5°	378.6	271.9	95.8	92.9	76.5	58.7	53.6	49.6	46.3	43.4	43.0
80°	153.8	129.0	70.3	70.3	53.6	44.8	41.9	40.1	37.9	34.3	34.3
82.5°	89.3	78.4	49.2	42.6	35.7	31.0	29.2	27.3	27.3	24.8	24.8
85°	43.0	43.4	29.5	26.2	20.4	17.9	17.1	16.0	15.7	14.2	13.8
87.5°	23.3	23.7	14.9	11.7	8.0	6.9	5.8	5.5	5.1	4.7	4.7
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)