

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: P634103

Luminaire Tested: GWS-SA3B-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7788.8 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

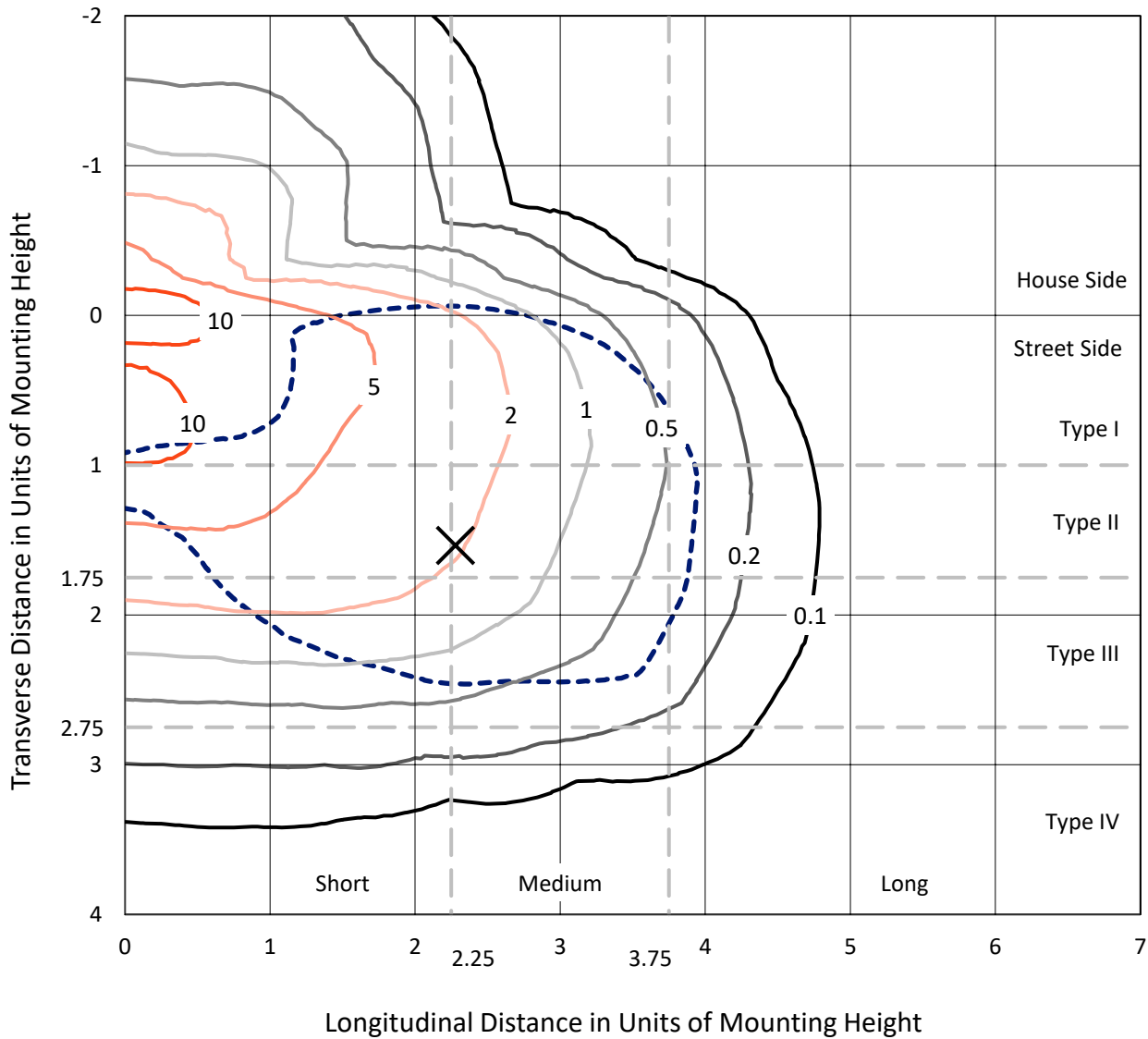
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634103
 CATALOG NUMBER: GWS-SA3B-722-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

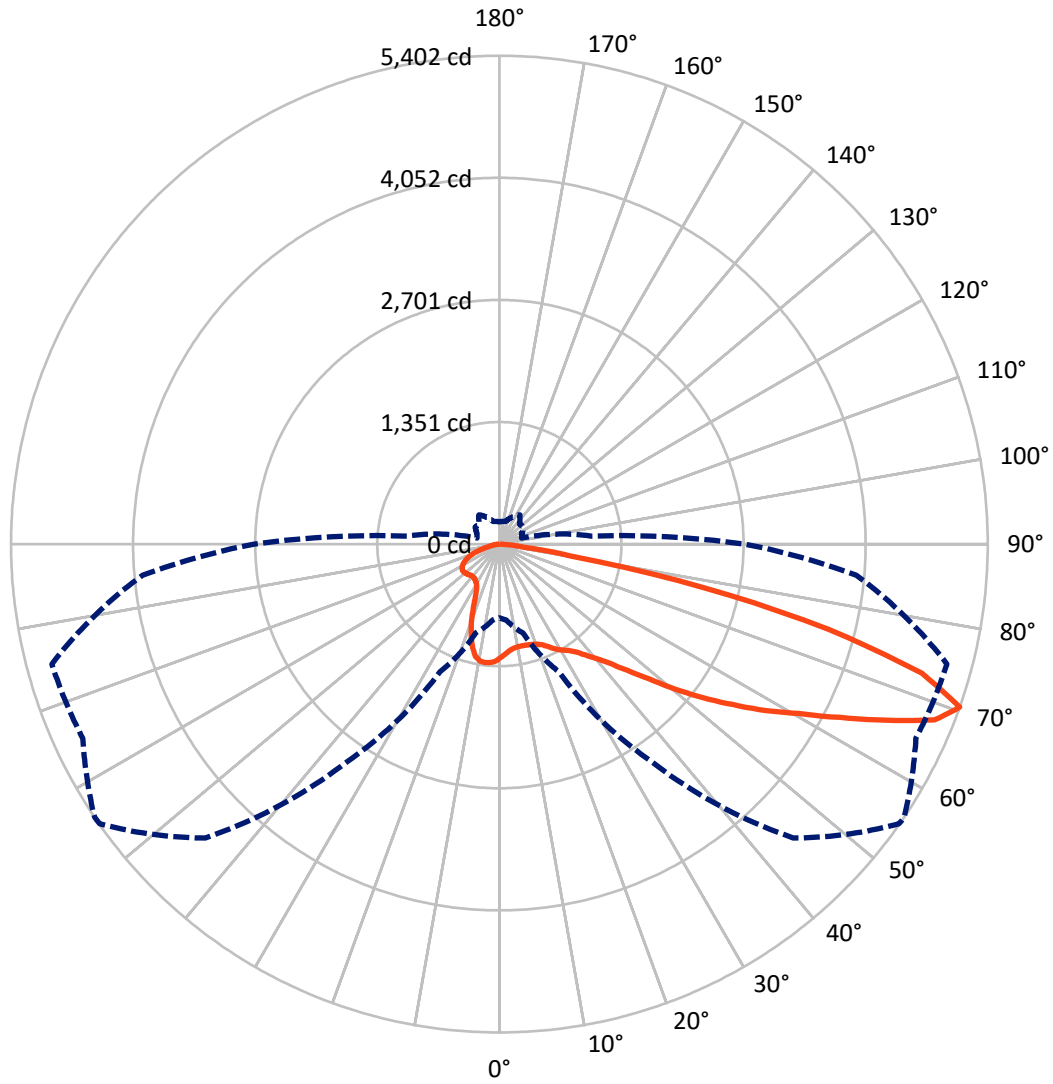
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type III - Medium - N/A

REPORT NUMBER: P634103
CATALOG NUMBER: GWS-SA3B-722-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P634103

CATALOG NUMBER: GWS-SA3B-722-U-T3R-W

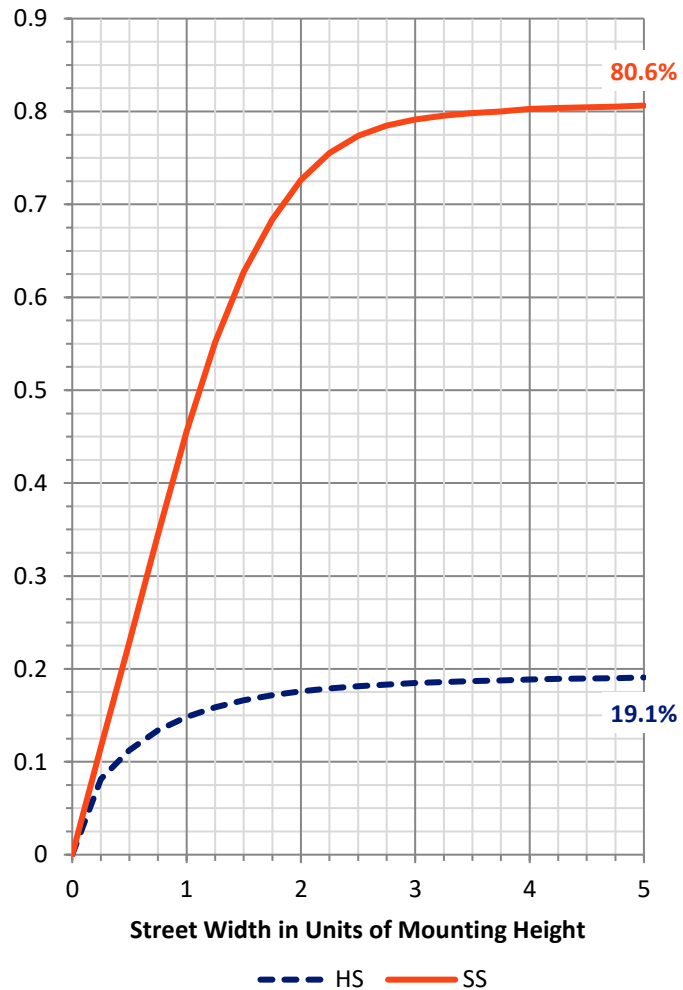
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1497.4	0.0	1497.4
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	6291.4	0.0	6291.4
	% Fixture	80.8	0.0	80.8
Total	Lumens	7788.8	0.0	7788.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	1.5
10°-20°	315.2	4.0
20°-30°	521.2	6.7
30°-40°	779.2	10.0
40°-50°	1159.6	14.9
50°-60°	1648.6	21.2
60°-70°	2041.8	26.2
70°-80°	1127.4	14.5
80°-90°	79.4	1.0
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°	7788.8	100.0
0°-180°	7788.8	100.0

Coefficient of Utilization



REPORT NUMBER: P634103

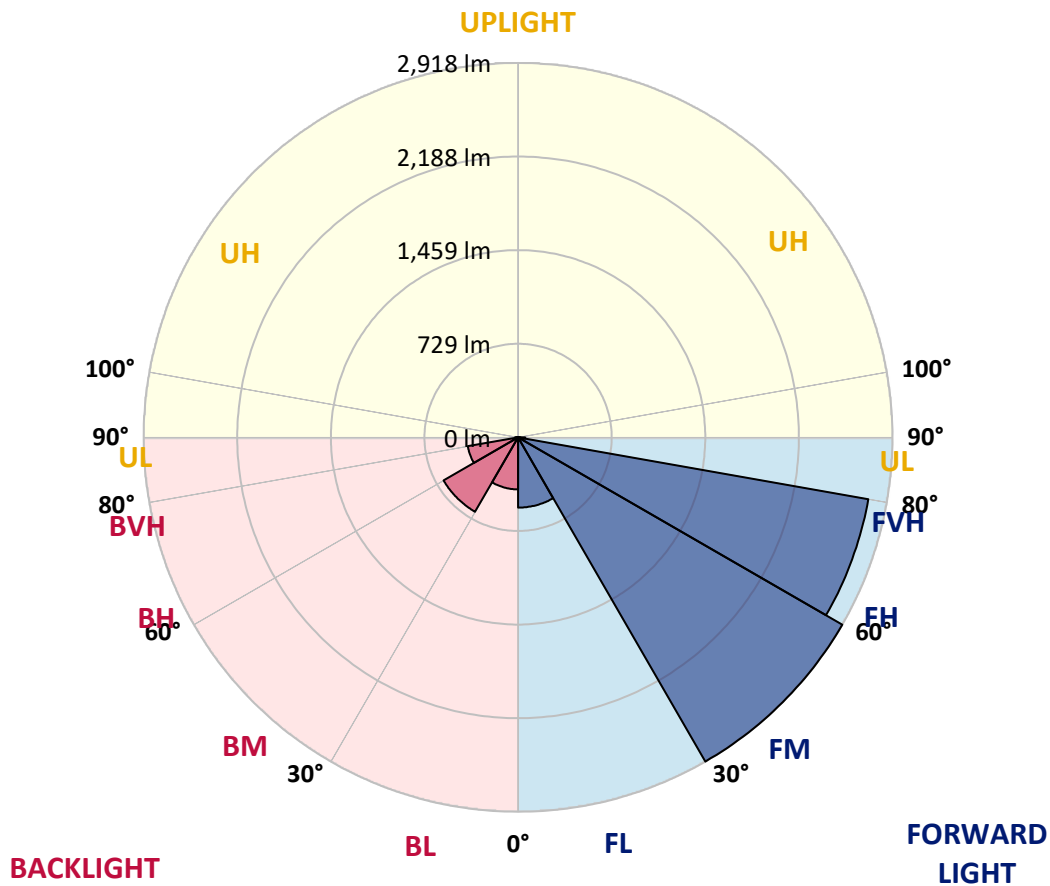
CATALOG NUMBER: GWS-SA3B-722-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.4	7.0			
FM (30°-60°)	2917.6	37.5			
FH (60°-80°)	2771.3	35.6			G2/5000
FVH (80°-90°)	55.2	0.7			G1/100
BL (0°-30°)	405.4	5.2	B1/500		
BM (30°-60°)	669.8	8.6	B1/1000		
BH (60°-80°)	398.0	5.1	B1/500		G1/500
BVH (80°-90°)	24.2	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: P634103
 CATALOG NUMBER: GWS-SA3B-722-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2
2.5°	1176.5	1169.9	1177.6	1181.4	1191.3	1205.6	1218.2	1218.8	1225.4	1241.3	1256.7
5°	1123.2	1119.9	1122.1	1133.7	1144.1	1162.2	1181.4	1183.1	1201.8	1233.1	1263.8
7.5°	1082.0	1077.6	1085.9	1100.7	1113.9	1134.2	1159.5	1161.7	1188.0	1235.3	1282.5
10°	1022.7	1019.4	1034.8	1054.6	1083.1	1116.6	1150.1	1152.9	1187.5	1249.5	1315.5
12.5°	996.9	996.9	1003.5	1022.2	1053.5	1097.9	1148.5	1152.9	1196.3	1271.5	1357.7
15°	1037.0	1039.7	1034.2	1033.1	1045.8	1088.1	1150.7	1157.3	1212.7	1294.0	1399.5
17.5°	1117.7	1120.5	1106.2	1083.7	1071.0	1097.4	1158.9	1166.1	1230.3	1318.7	1444.5
20°	1230.9	1234.2	1202.9	1168.3	1124.9	1124.3	1174.8	1181.4	1252.8	1345.7	1492.3
22.5°	1363.2	1365.4	1325.9	1271.0	1204.5	1174.3	1202.3	1208.9	1281.9	1383.0	1543.9
25°	1516.5	1523.1	1475.3	1395.6	1305.6	1243.0	1247.9	1255.6	1334.1	1433.0	1604.9
27.5°	1680.2	1688.4	1633.5	1545.6	1421.5	1318.7	1306.7	1313.3	1389.6	1463.7	1637.3
30°	1847.7	1853.7	1798.8	1698.3	1546.1	1404.4	1356.1	1359.9	1413.8	1478.6	1670.3
32.5°	2033.9	2028.9	1976.2	1860.3	1690.0	1507.1	1402.2	1401.1	1440.7	1508.2	1717.5
35°	2208.5	2215.7	2159.6	2031.7	1848.2	1634.0	1471.4	1467.0	1497.8	1556.6	1784.0
37.5°	2420.0	2417.8	2350.8	2212.4	2007.0	1755.4	1568.7	1561.0	1572.0	1631.8	1876.8
40°	2571.0	2586.4	2543.0	2414.0	2192.6	1904.8	1682.4	1665.3	1668.1	1724.6	2000.9
42.5°	2694.6	2708.9	2713.3	2630.9	2405.2	2089.3	1824.1	1807.0	1808.7	1888.9	2153.6
45°	2789.6	2808.9	2870.9	2846.8	2644.6	2302.5	2015.7	1998.2	1999.3	2088.2	2338.2
47.5°	2828.6	2849.5	2975.3	3033.0	2898.9	2557.3	2254.1	2228.3	2232.1	2330.5	2549.1
50°	2816.0	2844.0	3014.3	3176.3	3112.0	2816.6	2539.2	2521.1	2506.2	2649.0	2778.1
52.5°	2707.3	2738.0	3010.4	3267.5	3286.2	3061.5	2833.6	2823.1	2819.8	2987.4	3034.1
55°	2387.0	2438.7	2878.1	3291.7	3422.4	3292.2	3152.7	3135.1	3152.1	3349.9	3292.8
57.5°	2209.6	2248.1	2618.8	3264.7	3533.9	3511.9	3471.3	3472.9	3492.1	3743.7	3606.4
60°	2108.6	2153.6	2474.9	3191.1	3641.0	3778.8	3804.7	3804.7	3839.3	4168.3	3924.9
62.5°	1974.6	2020.1	2340.4	3049.4	3739.8	4093.0	4223.7	4222.1	4235.8	4623.6	4236.4
65°	1702.7	1745.0	2070.1	2825.9	3788.2	4439.0	4699.9	4695.0	4667.5	5028.9	4442.3
67.5°	1236.4	1276.5	1585.7	2400.8	3614.1	4718.1	5190.4	5192.6	5028.4	5284.3	4453.3
70°	815.1	842.5	1019.4	1559.3	2939.0	4597.8	5395.8	5402.4	5083.9	5125.0	3963.4
72.5°	508.6	527.8	636.6	929.9	1736.7	3639.3	4868.5	4886.7	4573.6	4503.8	3256.5
75°	337.8	351.0	423.5	542.1	803.6	1969.6	3700.8	3759.1	3665.7	3530.6	2268.9
77.5°	203.2	214.2	269.7	344.4	355.9	769.5	2160.2	2310.7	2323.9	1843.3	950.2
80°	92.8	105.5	148.8	196.6	189.5	268.0	761.8	797.0	940.3	585.5	299.9
82.5°	54.9	60.4	98.9	97.8	80.7	130.2	274.1	281.2	238.9	214.2	128.0
85°	22.0	25.8	41.7	36.8	29.7	42.3	103.3	108.2	103.8	93.4	47.2
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	9.3	9.9	14.3	25.8	14.3
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: P634103
 CATALOG NUMBER: GWS-SA3B-722-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2	1257.2
2.5°	1266.6	1263.3	1279.8	1292.4	1297.9	1303.4	1298.4	1296.8	1296.8	1285.8	1280.3
5°	1280.3	1281.9	1304.5	1314.9	1314.9	1310.5	1297.3	1288.0	1284.7	1270.4	1266.6
7.5°	1306.1	1313.3	1334.1	1333.6	1318.2	1294.0	1261.1	1235.8	1212.7	1202.9	1196.8
10°	1348.4	1357.7	1372.0	1349.0	1306.1	1242.4	1172.6	1117.7	1084.8	1058.4	1058.4
12.5°	1396.7	1405.5	1402.8	1349.5	1261.1	1141.9	1041.4	978.2	932.1	907.9	907.9
15°	1445.1	1452.2	1422.6	1324.2	1167.2	1008.4	898.6	822.8	782.7	760.2	760.2
17.5°	1494.0	1493.4	1430.8	1266.0	1044.7	860.7	753.0	694.3	680.5	676.7	676.1
20°	1541.2	1528.6	1420.4	1168.8	902.4	711.8	643.7	647.6	667.9	676.7	677.8
22.5°	1594.5	1563.2	1389.6	1044.7	740.9	608.6	613.0	644.8	674.5	687.7	689.3
25°	1648.8	1592.8	1338.0	899.1	605.8	570.7	604.7	640.4	673.9	691.0	692.6
27.5°	1670.8	1592.8	1250.1	730.5	533.9	554.7	592.1	626.7	661.8	681.6	685.5
30°	1688.9	1579.1	1127.1	578.4	504.2	539.4	571.8	603.6	638.2	662.4	666.8
32.5°	1714.2	1567.0	978.2	486.1	490.5	524.5	547.1	574.0	605.3	621.2	619.6
35°	1743.9	1548.3	798.6	442.1	478.9	511.9	527.8	543.8	529.5	528.9	530.6
37.5°	1786.2	1531.9	642.1	422.4	471.3	503.1	516.3	482.2	462.5	454.2	450.9
40°	1847.1	1525.3	506.4	410.8	470.2	502.6	493.2	440.5	413.6	385.0	384.5
42.5°	1924.0	1520.3	418.5	405.3	474.0	515.2	461.4	413.0	357.6	344.9	343.8
45°	2022.9	1512.6	374.6	404.2	483.3	525.1	458.1	375.1	337.2	331.7	331.7
47.5°	2142.1	1500.5	354.8	404.2	493.8	520.7	448.2	366.9	327.9	333.9	337.8
50°	2278.8	1485.2	344.4	403.1	504.2	520.7	427.3	365.3	325.7	357.0	369.6
52.5°	2424.9	1467.6	337.2	398.8	511.4	521.2	428.4	370.7	327.9	362.5	372.9
55°	2586.4	1464.8	327.4	389.4	513.5	507.0	431.2	382.8	331.2	328.5	329.0
57.5°	2790.2	1497.8	320.2	375.7	504.8	477.8	436.7	391.6	327.4	327.9	331.7
60°	3003.3	1559.9	326.3	362.5	486.6	450.4	440.5	387.2	308.7	299.9	301.0
62.5°	3184.5	1607.1	331.2	356.5	460.3	426.2	436.7	377.3	298.2	296.0	301.0
65°	3260.3	1568.1	319.1	343.8	421.8	396.6	428.4	364.7	289.5	281.2	281.8
67.5°	3176.3	1385.2	295.5	315.8	378.4	358.7	415.2	348.2	277.4	267.5	265.3
70°	2713.3	1017.8	254.9	271.3	325.7	314.2	394.9	326.8	258.1	251.0	246.1
72.5°	2186.6	720.6	211.5	215.9	255.4	264.7	359.8	299.9	236.2	215.9	208.7
75°	1522.0	452.6	176.3	171.9	184.5	202.1	280.7	248.8	203.8	182.4	175.8
77.5°	654.7	232.3	137.9	135.7	123.0	140.1	215.3	207.6	170.8	146.1	142.3
80°	219.2	134.6	99.4	95.6	81.8	98.3	151.6	165.9	134.0	108.2	101.6
82.5°	109.8	78.0	63.2	57.1	54.9	62.1	89.5	103.3	92.8	74.7	63.2
85°	53.8	44.5	34.6	34.1	28.6	26.9	37.3	43.9	41.7	30.8	29.1
87.5°	19.8	17.6	11.0	8.8	5.5	3.8	2.2	2.2	1.6	1.6	1.6
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)