

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: P632092

Luminaire Tested: GWS-SA2C-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632092
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-SA2C-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6699.4 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.2
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

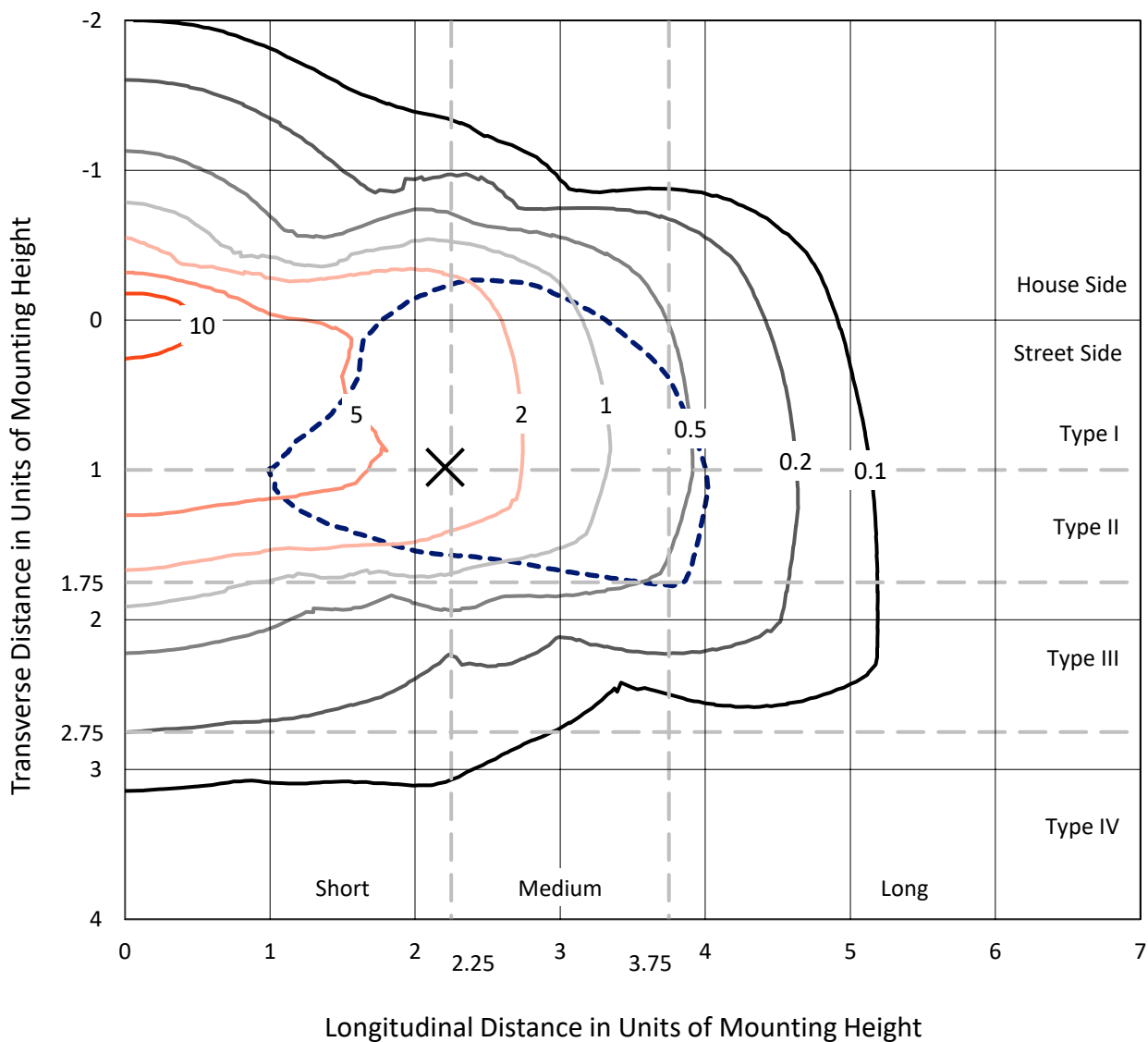


REPORT NUMBER: P632092

CATALOG NUMBER: GWS-SA2C-722-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

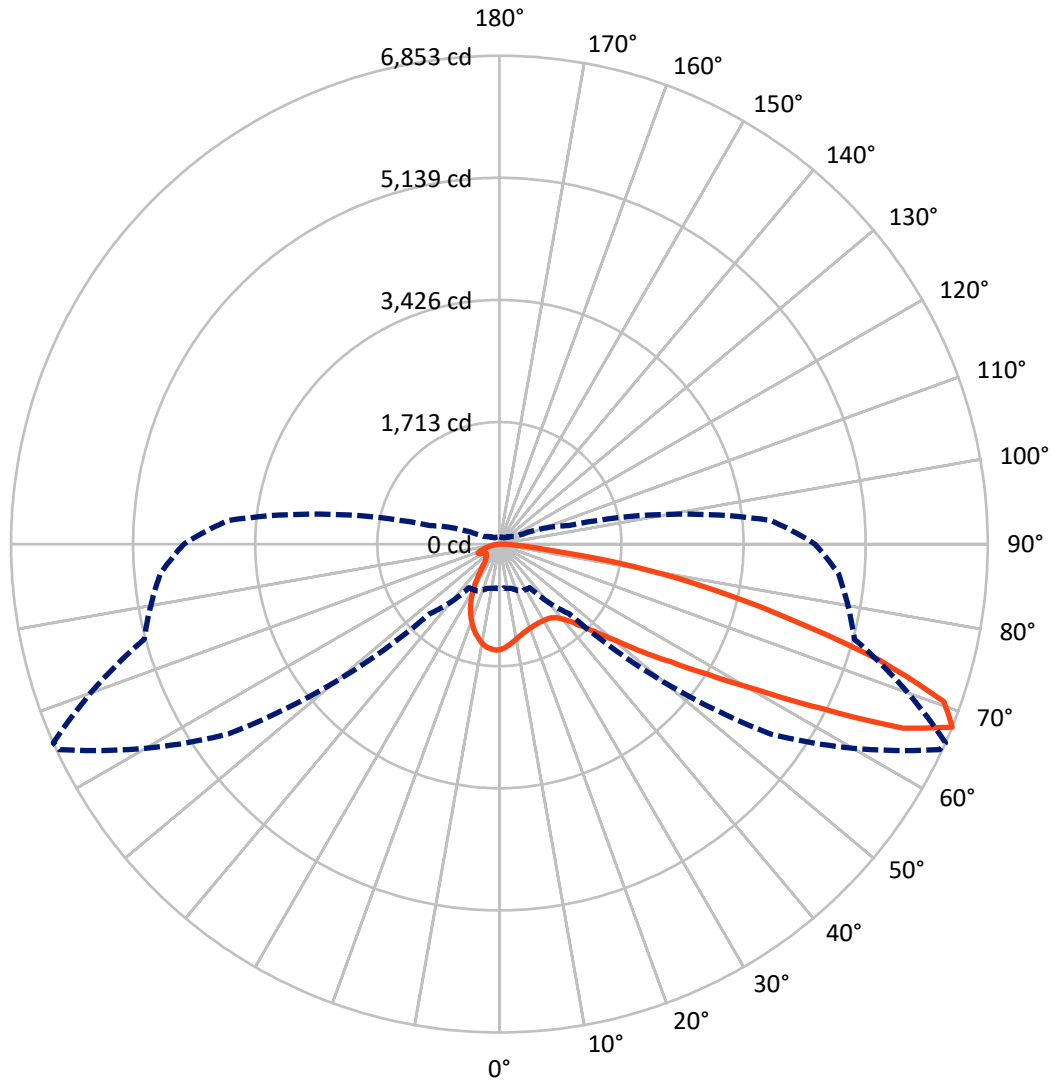
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

REPORT NUMBER: P632092
CATALOG NUMBER: GWS-SA2C-722-U-SL2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632092

CATALOG NUMBER: GWS-SA2C-722-U-SL2-W

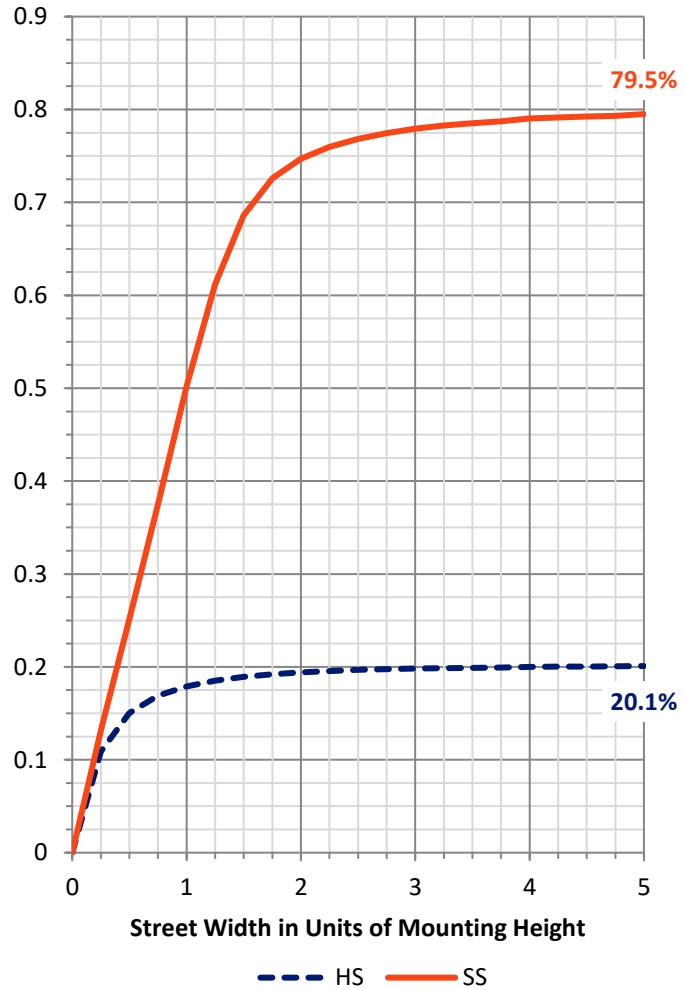
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1359.5	0.0	1359.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5339.9	0.0	5339.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	6699.4	0.0	6699.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	1.9
10°-20°	319.3	4.8
20°-30°	438.9	6.6
30°-40°	600.0	9.0
40°-50°	909.2	13.6
50°-60°	1413.4	21.1
60°-70°	1720.8	25.7
70°-80°	1048.2	15.6
80°-90°	119.7	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°	6699.4	100.0
0°-180°	6699.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632092

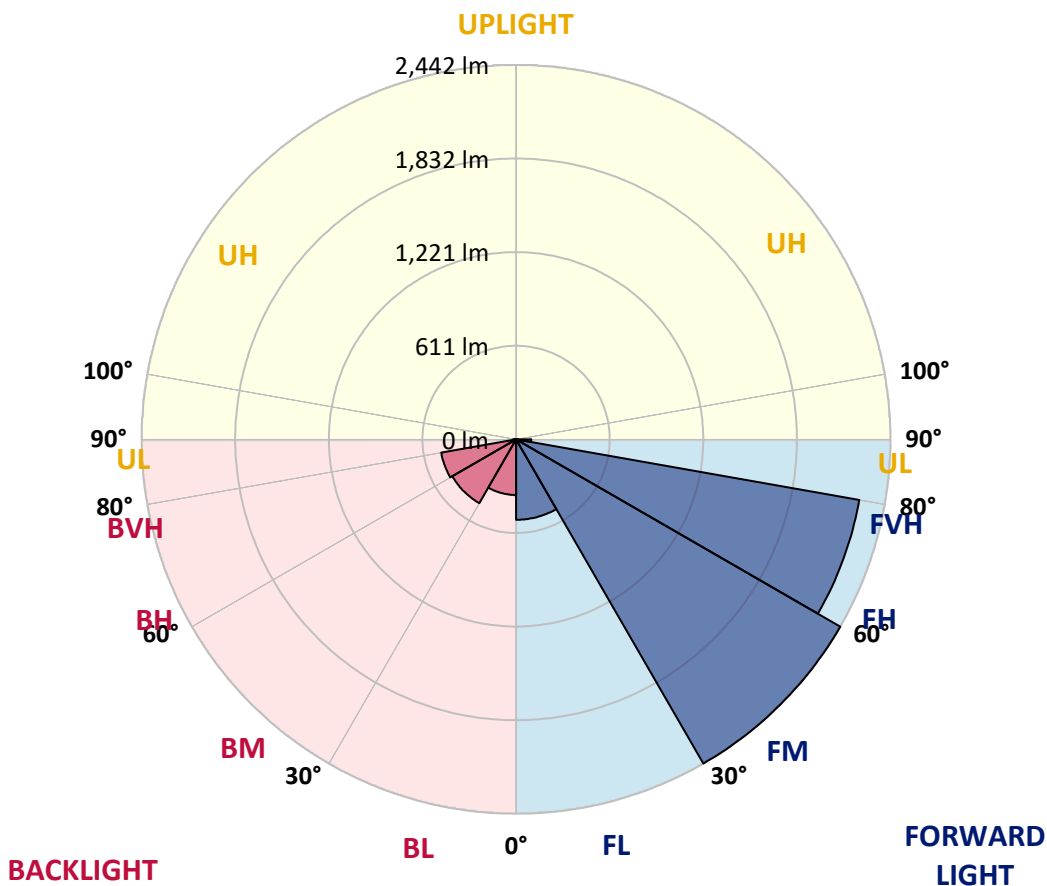
CATALOG NUMBER: GWS-SA2C-722-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.9	7.8			
FM (30°-60°)	2442.2	36.5			
FH (60°-80°)	2273.3	33.9			G2/5000
FVH (80°-90°)	99.5	1.5			G1/100
BL (0°-30°)	363.2	5.4	B1/500		
BM (30°-60°)	480.4	7.2	B1/1000		
BH (60°-80°)	495.7	7.4	B1/500		G1/500
BVH (80°-90°)	20.2	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 II Short





REPORT NUMBER: P632092
 CATALOG NUMBER: GWS-SA2C-722-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4
2.5°	1386.5	1391.4	1388.5	1407.1	1408.0	1431.5	1444.7	1455.9	1456.9	1471.6	1481.4
5°	1291.7	1294.7	1294.7	1312.3	1324.0	1355.3	1385.6	1417.8	1420.3	1455.5	1482.3
7.5°	1215.0	1217.9	1216.0	1239.4	1254.6	1289.3	1327.9	1377.3	1382.1	1438.8	1485.8
10°	1154.9	1153.9	1158.8	1180.3	1199.8	1241.4	1284.4	1340.6	1347.9	1419.8	1489.7
12.5°	1113.8	1114.8	1117.7	1140.2	1161.2	1202.3	1246.8	1307.9	1315.7	1397.8	1487.7
15°	1094.3	1092.3	1094.8	1115.3	1135.3	1171.5	1217.4	1280.5	1288.3	1378.2	1488.2
17.5°	1089.9	1088.4	1087.9	1102.6	1117.7	1151.5	1195.4	1259.5	1267.8	1365.5	1491.1
20°	1103.6	1101.6	1096.2	1102.6	1108.9	1137.3	1179.8	1244.3	1253.6	1357.2	1497.0
22.5°	1141.2	1137.8	1129.5	1121.6	1113.3	1130.4	1170.0	1233.1	1242.4	1351.8	1502.9
25°	1198.4	1195.4	1186.6	1169.1	1138.8	1135.8	1168.1	1228.2	1237.5	1347.9	1505.3
27.5°	1277.1	1272.7	1263.9	1238.5	1189.1	1155.9	1175.4	1227.7	1236.5	1343.5	1502.9
30°	1370.4	1367.5	1362.6	1331.8	1265.8	1198.4	1192.0	1231.6	1238.5	1341.1	1498.0
32.5°	1465.2	1462.3	1466.2	1451.5	1370.4	1268.8	1228.2	1242.4	1247.3	1340.6	1493.6
35°	1548.8	1552.2	1580.6	1583.0	1503.3	1364.1	1285.4	1267.3	1268.3	1350.4	1495.5
37.5°	1636.3	1649.5	1686.6	1718.4	1651.9	1490.2	1370.4	1314.2	1313.2	1375.3	1507.7
40°	1752.1	1758.0	1805.4	1865.0	1823.5	1663.2	1491.1	1390.9	1384.1	1426.1	1540.5
42.5°	1865.0	1879.2	1954.9	2023.4	2009.7	1858.2	1643.1	1505.8	1493.6	1516.1	1607.9
45°	2008.7	2022.4	2107.4	2195.4	2220.3	2078.6	1837.6	1669.0	1656.8	1651.4	1731.6
47.5°	2152.4	2166.6	2242.8	2369.9	2457.4	2354.2	2090.8	1884.6	1864.5	1843.5	1918.3
50°	2249.2	2265.8	2338.6	2491.1	2696.3	2698.3	2390.9	2167.0	2141.6	2108.4	2181.2
52.5°	2245.7	2256.5	2325.9	2501.8	2868.4	3093.7	2792.6	2526.8	2506.2	2433.9	2497.4
55°	2069.3	2085.4	2155.3	2375.3	2887.0	3468.5	3383.0	2951.0	2914.3	2784.8	2854.7
57.5°	1715.0	1728.7	1799.0	2070.3	2722.3	3660.6	4132.7	3491.5	3441.2	3167.0	3247.6
60°	1294.7	1278.0	1311.3	1548.8	2328.3	3665.5	4794.5	4224.6	4140.6	3575.6	3643.0
62.5°	971.6	955.0	962.3	1029.3	1578.6	3369.3	5171.8	5227.5	5088.7	4036.9	4023.8
65°	767.8	758.5	779.5	825.5	920.3	2565.9	5174.7	6312.0	6224.5	4571.6	4414.3
67.5°	625.6	619.7	641.2	726.3	746.3	1378.7	4640.0	6818.3	6852.5	5157.1	4776.4
70°	503.9	495.1	528.8	640.7	694.0	834.3	3323.9	6560.3	6615.5	5506.1	4674.3
72.5°	348.0	348.5	365.6	519.0	670.1	720.4	1880.2	5462.6	5582.3	5189.9	4109.3
75°	234.6	236.5	241.4	342.6	617.3	698.9	1001.9	4135.7	4220.2	4289.6	3396.7
77.5°	141.7	142.7	154.0	207.2	425.7	652.5	678.9	2997.9	3064.4	2827.8	2105.5
80°	82.1	85.5	95.8	138.8	287.4	490.2	525.4	1838.1	1913.4	1257.0	669.1
82.5°	36.2	38.6	52.3	80.6	167.6	416.9	410.0	726.3	715.5	350.4	232.1
85°	6.4	7.8	11.2	25.4	61.6	219.9	318.2	320.6	301.5	132.9	96.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	47.9	86.0	85.5	37.6	33.2
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: P632092
 CATALOG NUMBER: GWS-SA2C-722-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4	1480.4
2.5°	1487.7	1474.5	1486.2	1487.7	1485.3	1483.3	1468.6	1455.9	1454.5	1440.8	1440.8
5°	1493.1	1480.9	1486.7	1475.5	1457.9	1439.8	1408.5	1387.0	1377.3	1359.7	1359.7
7.5°	1500.4	1487.7	1480.9	1453.0	1412.0	1372.4	1322.0	1280.0	1262.9	1238.0	1237.0
10°	1507.3	1491.1	1467.7	1413.4	1347.9	1284.9	1211.6	1151.9	1111.4	1081.6	1081.6
12.5°	1506.8	1485.8	1439.3	1359.2	1268.8	1177.4	1079.6	989.7	935.9	889.5	886.6
15°	1505.8	1477.0	1403.2	1296.1	1176.4	1049.8	916.9	799.6	719.9	674.5	670.5
17.5°	1504.8	1465.7	1362.6	1224.3	1064.0	891.5	716.0	588.9	522.5	494.6	495.6
20°	1504.8	1453.0	1319.1	1141.7	934.5	701.8	525.4	433.0	416.4	417.9	419.3
22.5°	1500.4	1437.4	1270.7	1051.8	790.3	516.1	387.6	356.3	365.1	378.8	380.7
25°	1490.2	1411.5	1214.5	952.1	618.7	375.8	316.2	310.3	326.5	343.6	348.5
27.5°	1474.0	1381.7	1151.5	835.2	455.5	302.0	278.1	277.6	290.3	303.0	307.4
30°	1456.9	1348.4	1085.0	705.2	329.9	262.9	253.7	253.7	260.0	267.8	266.8
32.5°	1436.9	1314.7	1013.6	569.9	268.8	240.9	238.0	236.5	237.5	240.5	240.5
35°	1419.8	1284.9	940.3	426.7	240.9	228.7	225.8	222.4	220.9	219.0	219.9
37.5°	1413.4	1261.4	864.6	321.6	227.3	219.9	215.0	210.2	206.7	205.8	205.3
40°	1423.7	1251.6	788.8	264.9	217.5	210.6	205.3	198.9	196.0	196.0	196.0
42.5°	1463.8	1259.0	711.6	239.5	210.6	202.8	195.0	189.1	188.2	189.1	189.6
45°	1537.1	1287.3	631.4	226.8	204.8	195.0	185.7	181.3	181.3	182.3	182.3
47.5°	1668.1	1361.6	552.3	219.0	198.9	188.7	178.9	174.5	174.0	175.0	175.0
50°	1894.8	1495.5	480.9	213.6	194.5	183.8	174.0	168.1	166.7	166.2	166.2
52.5°	2180.7	1727.7	435.5	209.7	189.1	178.4	168.6	160.8	157.9	156.4	156.4
55°	2526.3	2037.0	435.5	206.7	182.3	172.0	160.8	153.0	148.6	146.6	146.6
57.5°	2917.7	2397.2	510.7	204.3	176.9	164.7	152.5	144.7	139.8	136.8	136.8
60°	3316.1	2778.0	696.9	200.9	172.0	155.4	143.2	135.9	129.5	126.1	125.6
62.5°	3729.0	3197.3	942.3	202.8	168.6	146.6	133.4	125.1	119.7	116.3	115.8
65°	4107.3	3596.6	1156.8	218.0	169.1	138.8	122.2	114.9	110.5	106.1	105.6
67.5°	4428.4	3817.0	1006.3	248.8	179.4	129.5	110.9	103.6	99.7	96.8	96.3
70°	4203.6	3480.8	570.8	267.8	193.5	119.7	98.2	93.3	89.4	87.5	87.0
72.5°	3594.6	2947.1	381.7	236.5	176.4	107.0	86.5	82.6	79.7	77.2	76.7
75°	2911.9	2337.1	291.8	194.0	137.3	87.0	74.3	71.4	68.4	66.0	65.5
77.5°	1722.8	1350.4	215.0	153.5	96.8	67.9	61.6	59.1	56.2	54.2	53.8
80°	549.8	469.2	136.4	105.6	64.0	52.3	47.4	45.5	42.5	40.1	39.6
82.5°	209.7	181.3	72.3	53.8	42.5	35.7	31.8	29.8	27.9	25.4	24.9
85°	92.9	87.0	40.1	28.8	23.0	17.6	15.6	14.7	12.2	10.3	9.8
87.5°	32.7	32.7	17.1	8.3	4.9	2.4	1.5	0.5	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)