

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: P629786

Luminaire Tested: GWS-SA1C-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3970.1 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

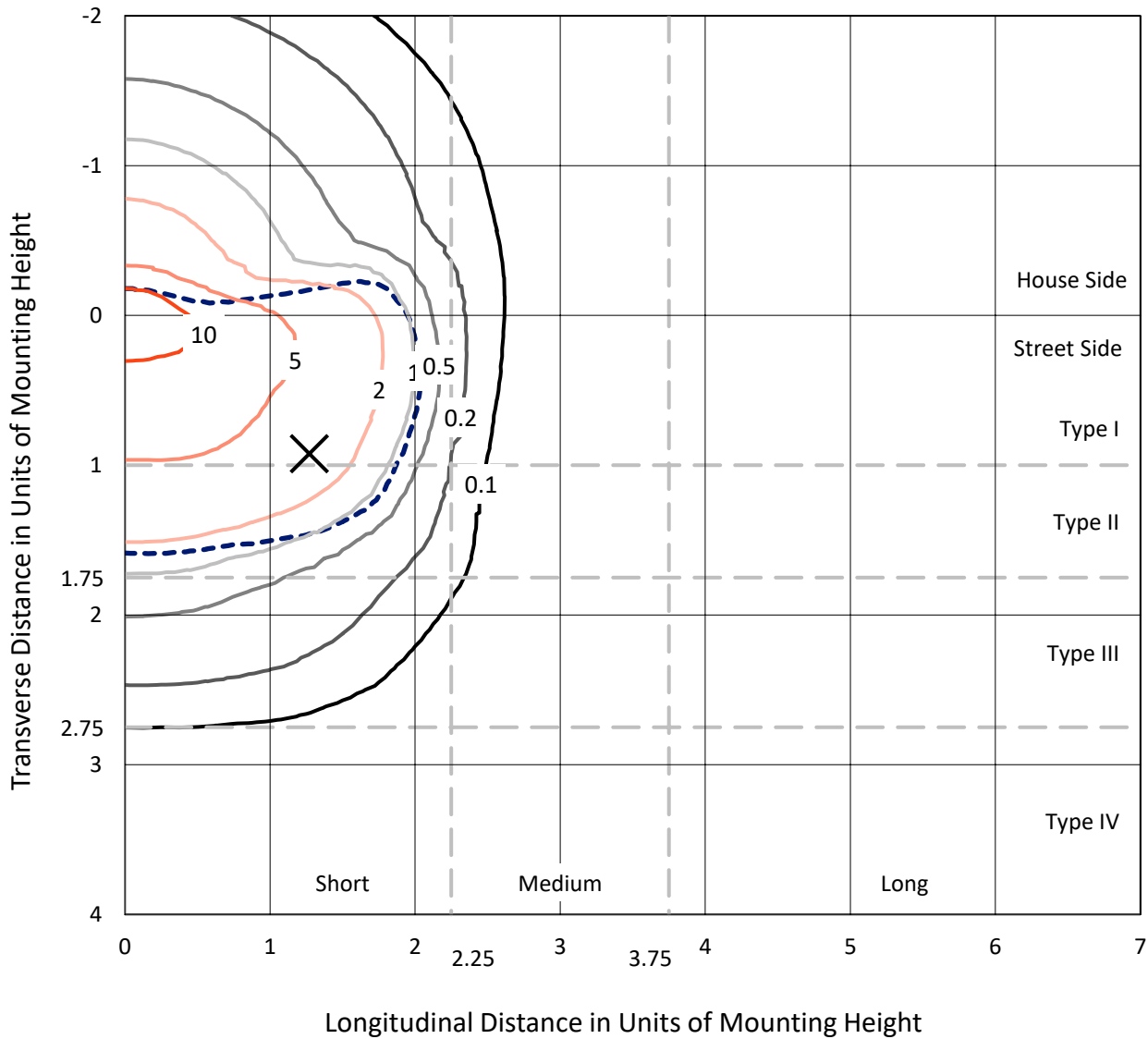
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

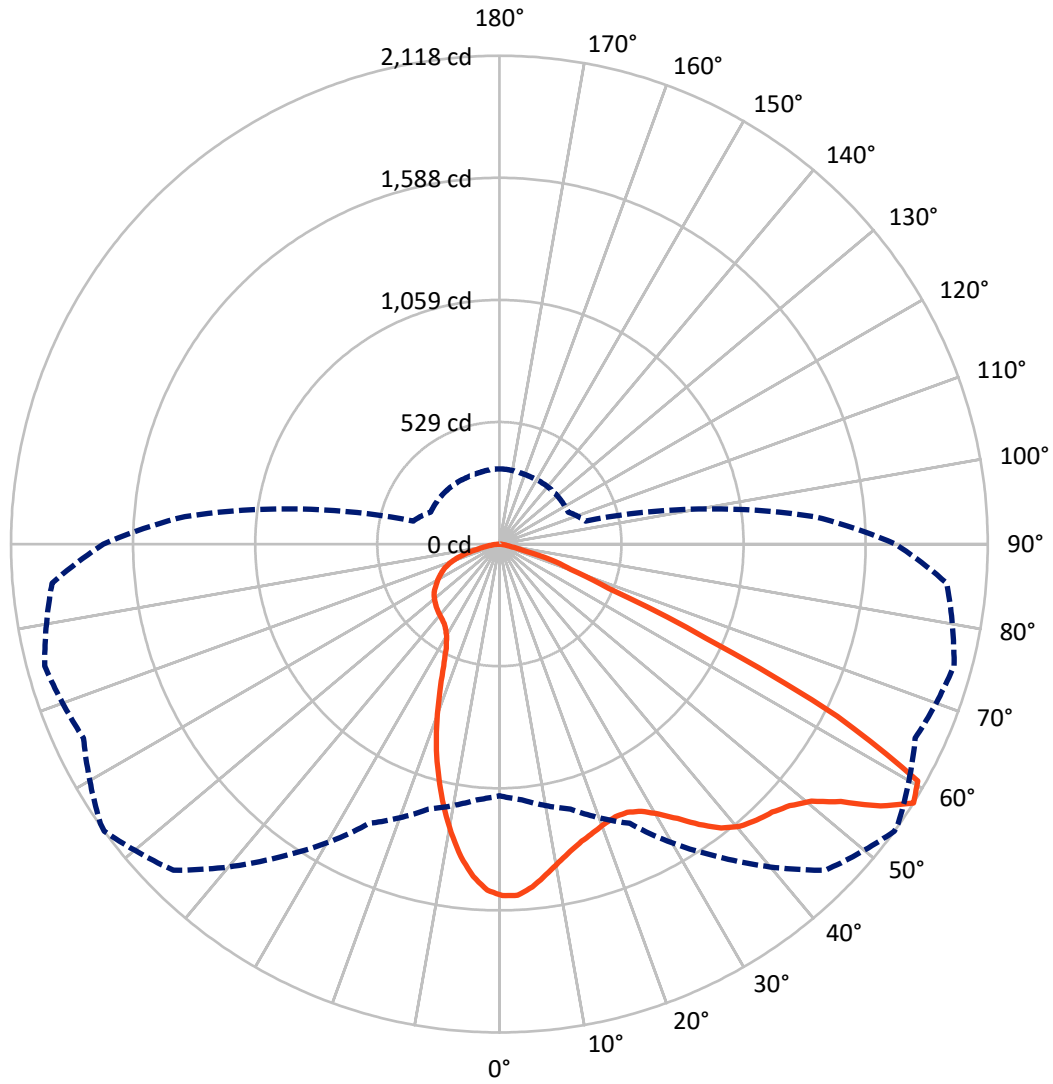
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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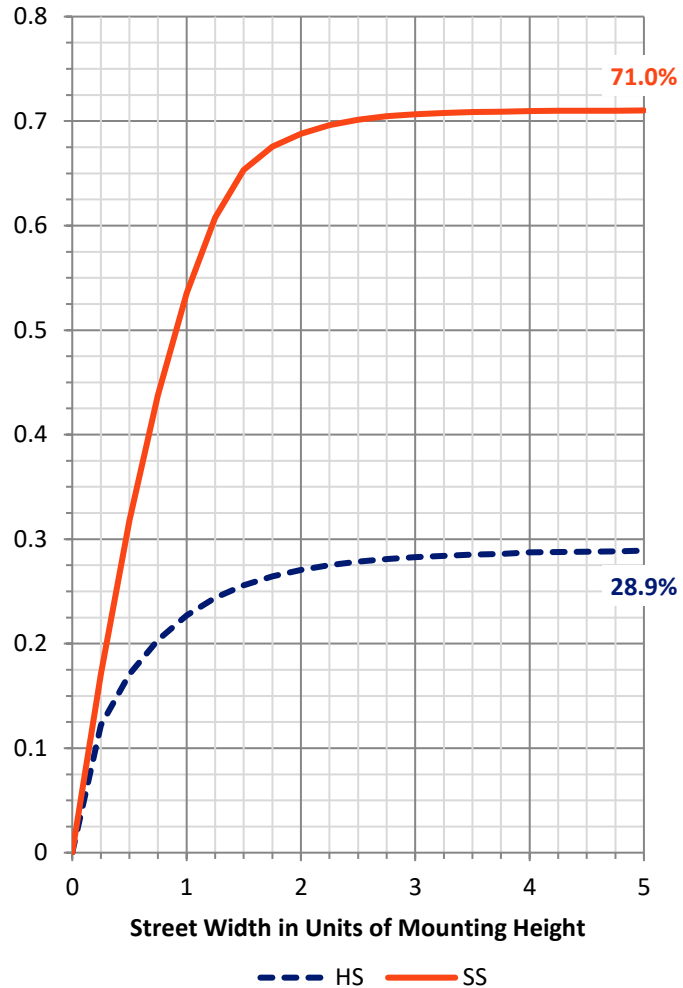
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.2	0.0	1154.2
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	2815.9	0.0	2815.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	3970.1	0.0	3970.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.4
10°-20°	319.7	8.1
20°-30°	442.4	11.1
30°-40°	614.7	15.5
40°-50°	811.8	20.4
50°-60°	964.8	24.3
60°-70°	534.5	13.5
70°-80°	133.1	3.4
80°-90°	15.1	0.4
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°	3970.1	100.0
0°-180°	3970.1	100.0

Coefficient of Utilization



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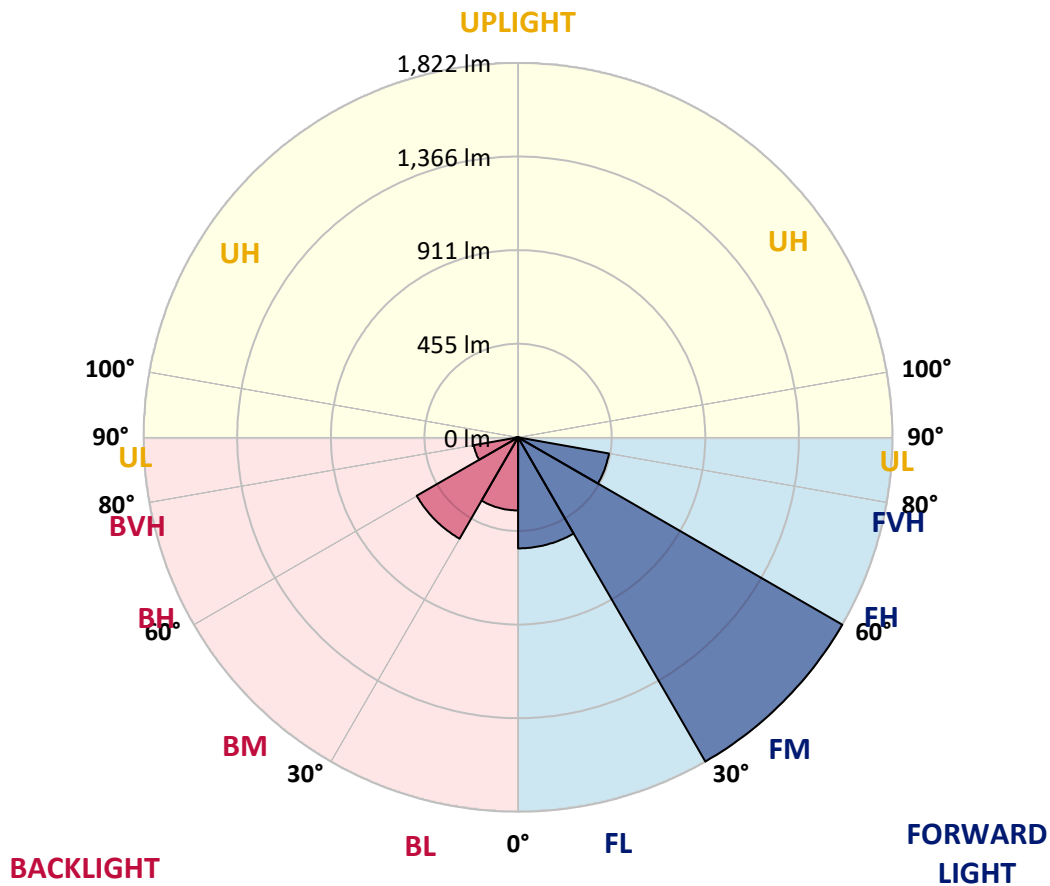
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.4	13.6			
FM (30°-60°)	1821.9	45.9			
FH (60°-80°)	448.9	11.3			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	355.7	9.0	B1/500		
BM (30°-60°)	569.4	14.3	B1/1000		
BH (60°-80°)	218.7	5.5	B1/500		G1/500
BVH (80°-90°)	10.4	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2
2.5°	1495.7	1498.7	1500.8	1507.9	1514.0	1519.5	1525.2	1525.2	1524.9	1523.9	1521.8
5°	1436.5	1439.9	1444.7	1454.5	1467.8	1477.3	1492.9	1494.3	1501.1	1503.8	1502.5
7.5°	1367.9	1368.9	1375.0	1387.9	1409.0	1426.0	1448.4	1451.1	1467.5	1477.0	1475.3
10°	1292.8	1289.4	1300.3	1319.3	1346.8	1375.4	1404.2	1406.6	1432.8	1450.8	1449.4
12.5°	1224.1	1224.5	1235.3	1258.5	1292.8	1328.1	1366.9	1372.3	1404.6	1427.7	1425.3
15°	1166.7	1168.1	1181.3	1207.5	1246.6	1288.7	1337.0	1342.1	1382.8	1413.4	1406.6
17.5°	1120.8	1122.2	1133.7	1163.6	1205.4	1256.4	1315.2	1320.3	1370.9	1407.3	1393.4
20°	1089.2	1088.5	1099.7	1128.3	1171.5	1226.8	1296.2	1303.7	1367.2	1409.7	1384.5
22.5°	1076.3	1076.0	1084.1	1107.6	1148.0	1204.1	1284.6	1294.8	1371.3	1420.2	1379.1
25°	1082.8	1081.4	1088.5	1105.9	1138.1	1195.2	1288.0	1298.9	1388.6	1442.0	1380.1
27.5°	1102.8	1101.1	1107.2	1122.9	1147.3	1204.4	1311.8	1324.4	1425.3	1481.7	1393.7
30°	1133.4	1132.4	1138.5	1153.4	1174.8	1235.0	1357.3	1371.6	1482.1	1543.6	1423.3
32.5°	1169.1	1167.4	1178.2	1195.6	1220.4	1290.7	1418.5	1437.2	1549.4	1623.1	1472.9
35°	1209.2	1207.8	1222.8	1247.9	1283.6	1368.2	1492.6	1513.0	1618.0	1713.2	1538.8
37.5°	1248.3	1248.3	1277.1	1314.5	1359.4	1452.5	1562.3	1575.2	1665.6	1793.0	1609.5
40°	1282.9	1285.0	1328.5	1384.5	1441.6	1528.6	1608.2	1619.0	1686.7	1848.1	1671.0
42.5°	1321.3	1323.0	1373.7	1447.1	1515.0	1590.1	1636.0	1641.5	1690.7	1875.6	1714.5
45°	1351.9	1354.3	1417.2	1495.7	1578.9	1636.4	1658.1	1662.9	1696.5	1890.6	1746.1
47.5°	1367.9	1371.3	1443.3	1534.7	1622.1	1677.8	1694.5	1696.5	1720.3	1916.7	1784.2
50°	1365.2	1372.0	1453.2	1554.1	1654.0	1719.6	1752.9	1756.3	1768.9	1955.1	1828.7
52.5°	1389.3	1392.4	1474.3	1577.2	1699.6	1796.8	1854.5	1859.3	1853.5	1984.0	1855.2
55°	1349.2	1363.8	1448.1	1573.8	1768.9	1916.1	2005.1	2002.7	1930.3	2016.3	1899.4
57.5°	1091.2	1112.7	1189.8	1335.9	1654.7	1999.7	2117.6	2111.8	1989.8	2041.1	1947.3
60°	755.5	758.9	828.5	932.2	1277.1	1766.5	2084.6	2097.2	2000.7	2009.9	1858.6
62.5°	604.2	603.2	609.7	612.4	812.2	1241.8	1645.5	1691.4	1662.2	1566.0	1317.2
65°	515.9	519.6	538.7	528.8	530.2	699.4	983.2	989.6	969.2	934.6	696.7
67.5°	403.7	410.2	443.8	482.2	470.0	450.3	510.1	507.1	399.7	309.3	255.6
70°	252.8	256.9	292.9	378.6	409.2	369.8	328.0	326.6	214.1	176.0	193.0
72.5°	147.5	148.2	158.4	211.0	271.5	252.8	241.3	232.5	137.6	140.4	154.0
75°	81.2	81.2	80.9	91.1	107.1	94.8	91.8	89.4	92.1	104.3	114.5
77.5°	17.0	17.3	18.4	24.1	31.3	38.1	47.9	48.3	60.2	69.7	77.8
80°	7.8	8.2	10.2	12.9	16.7	22.1	29.2	29.6	36.4	43.8	49.3
82.5°	4.1	4.4	5.4	6.8	8.8	11.6	16.3	16.3	21.8	25.8	29.2
85°	1.4	1.4	2.0	2.7	3.7	4.8	6.5	6.5	9.5	12.6	14.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.4	1.4	1.7	2.0	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2	1524.2
2.5°	1517.4	1506.9	1507.2	1509.3	1502.8	1492.9	1486.5	1478.3	1473.2	1472.2	1476.0
5°	1495.7	1483.4	1474.9	1466.1	1447.7	1426.0	1409.0	1395.1	1385.9	1382.5	1378.4
7.5°	1465.8	1449.8	1428.4	1403.6	1370.3	1331.5	1304.3	1278.8	1261.2	1256.1	1253.7
10°	1435.9	1412.7	1374.7	1328.5	1273.1	1220.7	1171.5	1133.7	1103.8	1086.8	1092.3
12.5°	1404.9	1376.4	1316.9	1245.9	1168.7	1089.9	1025.3	962.8	914.5	890.4	883.3
15°	1377.7	1339.0	1256.1	1159.9	1057.3	958.0	864.6	770.8	709.6	676.3	667.1
17.5°	1354.6	1304.3	1191.8	1072.2	949.5	808.2	693.3	606.3	564.5	546.1	544.8
20°	1331.9	1270.3	1128.3	977.7	825.1	666.8	564.1	523.4	508.4	502.0	501.6
22.5°	1311.5	1234.7	1061.3	883.3	701.4	560.4	504.0	486.3	482.2	482.2	481.6
25°	1294.1	1199.0	992.7	783.0	589.6	498.9	472.7	465.2	466.9	470.0	470.3
27.5°	1287.0	1171.1	926.4	680.0	512.5	463.2	451.3	450.3	455.1	459.8	460.5
30°	1294.5	1152.1	858.5	581.5	466.3	441.5	436.0	438.1	443.8	448.6	448.6
32.5°	1317.6	1142.6	789.1	509.4	439.4	426.2	424.5	426.5	430.9	433.6	434.0
35°	1356.7	1146.3	717.4	460.8	422.1	415.0	414.6	416.0	417.7	419.4	419.7
37.5°	1405.9	1163.0	640.6	432.6	410.9	406.8	406.1	405.8	406.1	406.1	406.5
40°	1454.2	1188.1	572.0	416.0	403.1	399.7	398.0	395.6	395.2	394.6	394.2
42.5°	1489.9	1207.5	517.2	404.1	395.9	391.8	389.8	386.1	385.7	385.4	385.0
45°	1516.7	1223.8	471.7	392.5	388.4	384.7	380.3	376.9	377.6	378.2	378.2
47.5°	1547.0	1238.1	438.4	381.6	379.3	375.5	370.1	367.7	370.1	372.5	372.5
50°	1583.7	1258.1	411.2	370.8	369.8	365.3	360.6	359.6	362.3	365.7	365.7
52.5°	1610.5	1275.4	391.8	359.9	359.9	354.1	350.0	349.7	352.8	356.2	356.5
55°	1660.8	1315.9	385.0	347.3	346.0	341.5	338.5	336.1	339.8	342.9	342.9
57.5°	1717.6	1369.6	386.7	329.3	327.6	326.3	323.9	321.2	322.2	325.6	325.9
60°	1597.3	1265.6	368.1	311.3	310.3	309.6	306.5	301.8	303.1	305.9	306.2
62.5°	1115.7	841.1	297.7	288.9	292.3	291.9	287.8	282.4	282.8	286.5	286.5
65°	579.1	455.1	261.3	268.5	273.6	271.5	264.7	260.0	259.3	264.1	263.0
67.5°	249.8	248.4	237.9	247.1	252.5	248.1	241.0	233.1	233.8	235.5	234.2
70°	201.2	207.3	211.7	221.6	226.0	217.8	210.0	205.6	201.9	201.5	199.2
72.5°	160.7	169.2	179.1	189.3	190.7	182.5	172.6	168.6	162.8	162.4	160.1
75°	121.0	128.1	135.9	144.1	144.1	136.3	129.8	127.8	121.0	118.9	116.9
77.5°	82.6	87.0	93.1	95.2	97.2	94.1	87.7	84.3	76.5	74.4	71.7
80°	52.0	55.1	58.8	60.2	62.2	58.5	53.4	49.6	44.2	42.5	41.1
82.5°	31.3	33.3	35.7	36.4	38.1	35.3	30.6	27.9	24.8	23.4	22.4
85°	16.0	17.0	18.4	18.7	18.4	15.6	13.9	12.6	10.5	10.2	9.5
87.5°	4.1	4.8	5.1	4.8	4.4	3.4	2.4	1.7	0.7	0.7	0.3
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)