

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: P630608

Luminaire Tested: GWS-SA1E-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

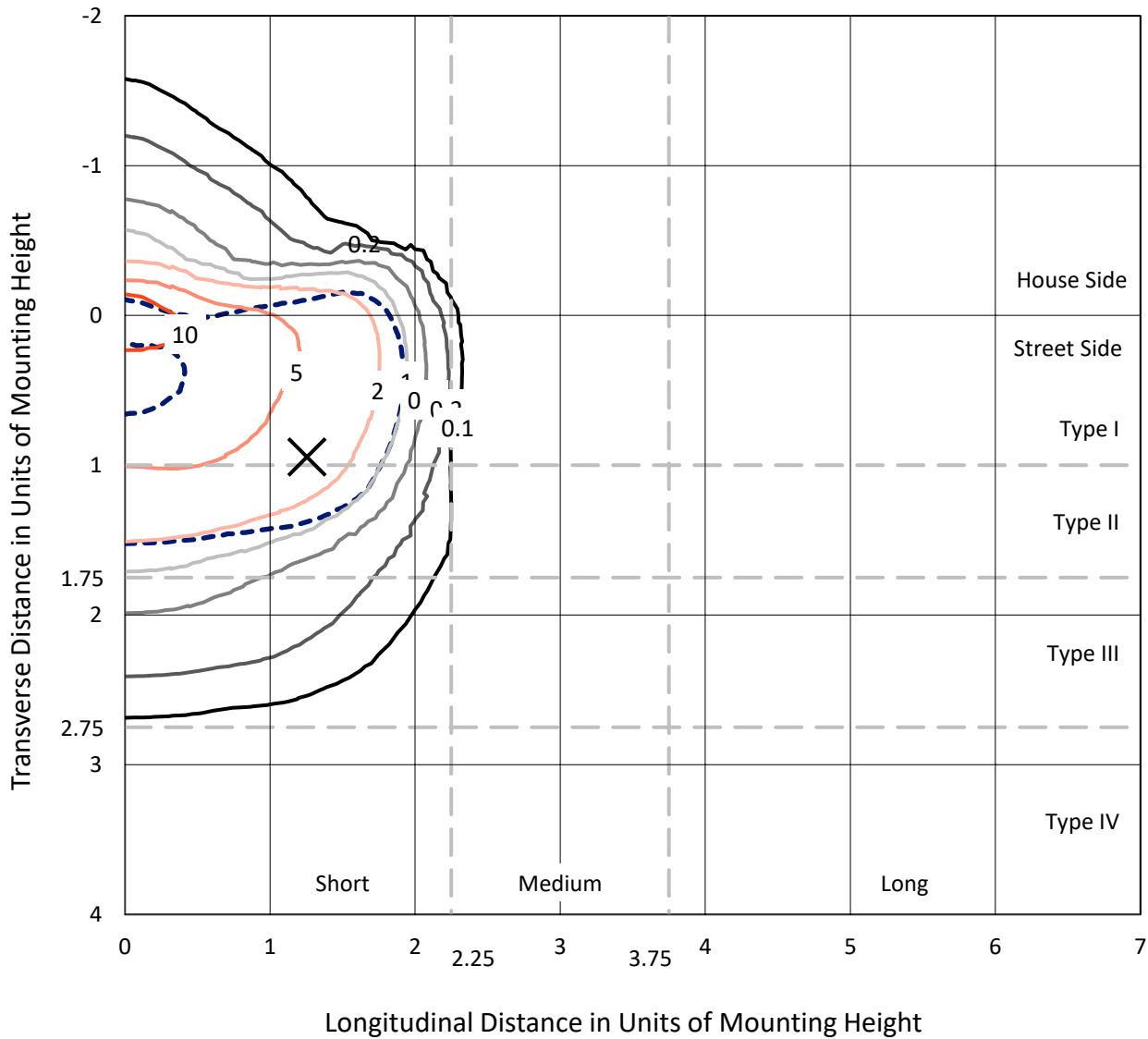
Lumens per Lamp: N/A  
Luminaire Lumens: 3264.7 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

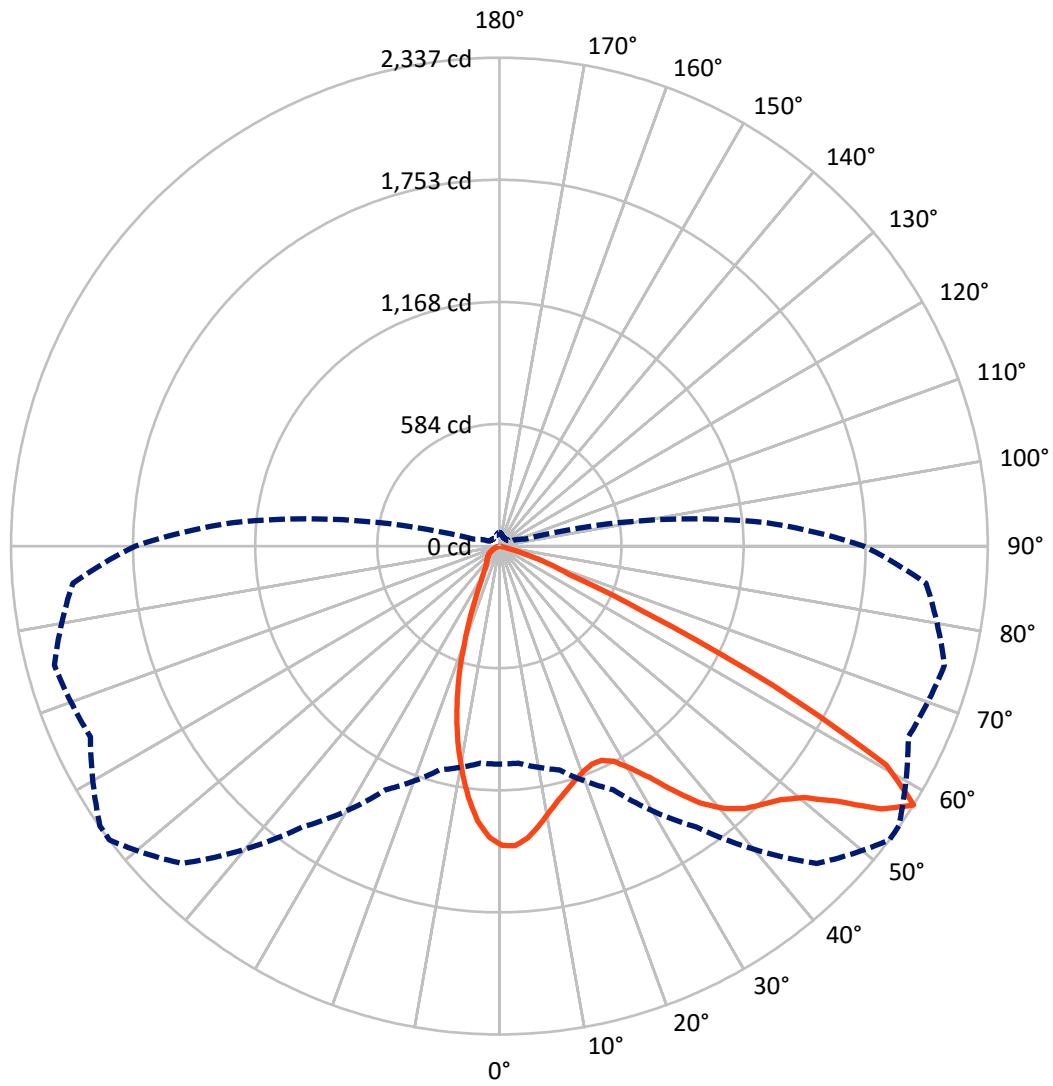
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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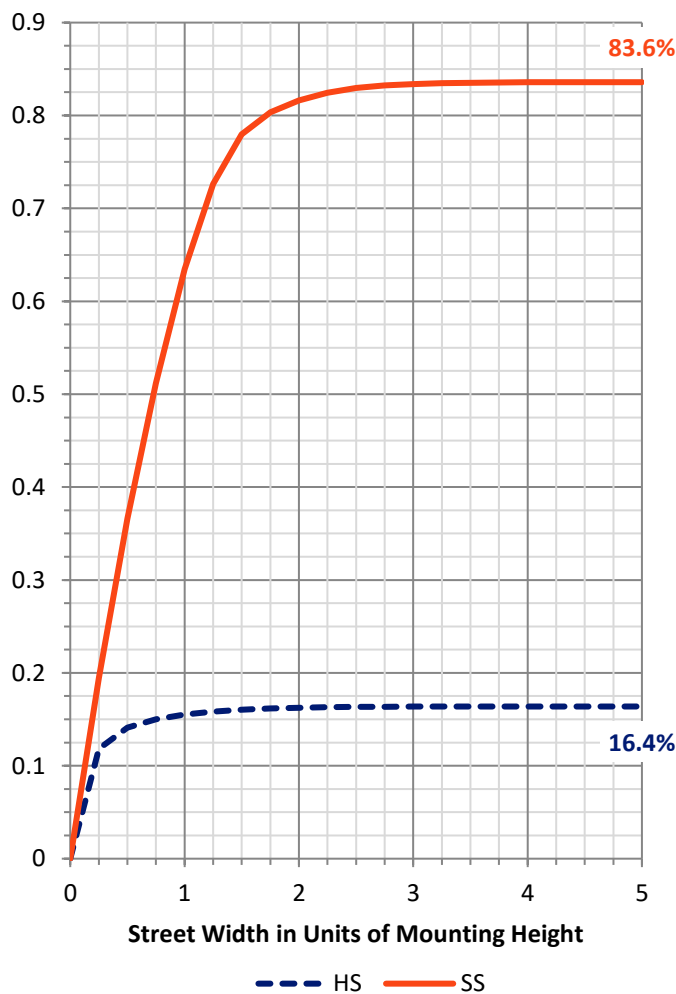
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	539.3	0.0	539.3
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2725.4	0.0	2725.4
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	3264.7	0.0	3264.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.5	3.8
10°-20°	269.0	8.2
20°-30°	350.4	10.7
30°-40°	508.3	15.6
40°-50°	733.4	22.5
50°-60°	887.0	27.2
60°-70°	361.5	11.1
70°-80°	32.5	1.0
80°-90°	0.0	0.0
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°	3264.7	100.0
0°-180°	3264.7	100.0

**Coefficient of Utilization**



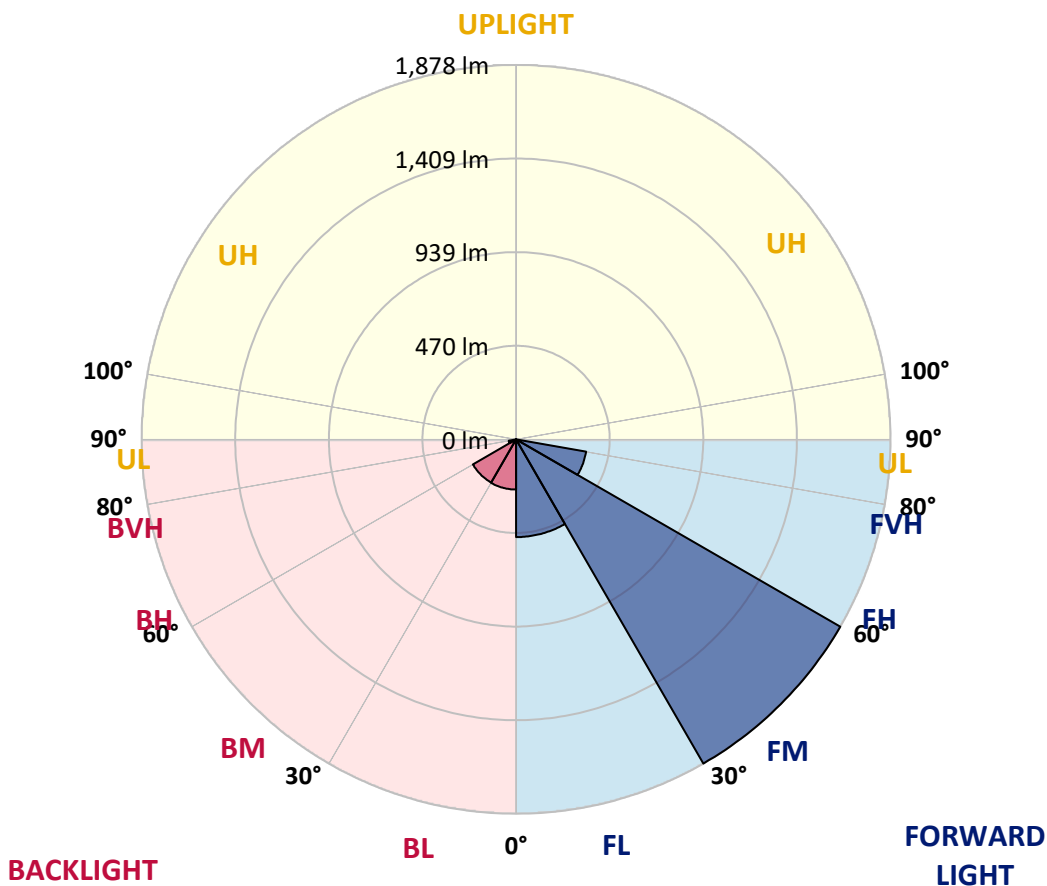
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.2	15.0			
FM (30°-60°)	1878.4	57.5			
FH (60°-80°)	356.7	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	251.7	7.7	B1/500		
BM (30°-60°)	250.3	7.7	B1/1000		
BH (60°-80°)	37.3	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1
2.5°	1412.1	1415.3	1420.9	1428.1	1432.9	1435.3	1435.3	1442.1	1437.7	1434.1	1430.1
5°	1351.7	1354.9	1362.5	1374.1	1385.7	1394.1	1403.7	1410.9	1413.7	1413.7	1406.9
7.5°	1266.4	1270.8	1275.6	1291.6	1316.8	1335.7	1352.1	1362.5	1377.7	1382.5	1372.9
10°	1174.8	1179.2	1190.0	1212.0	1240.8	1268.8	1296.8	1310.0	1336.1	1349.7	1338.9
12.5°	1097.2	1099.2	1113.6	1140.0	1176.8	1215.2	1249.2	1262.8	1299.6	1320.0	1307.2
15°	1033.1	1034.3	1048.8	1078.0	1120.4	1167.6	1210.4	1224.4	1269.6	1300.4	1281.2
17.5°	984.7	985.1	997.5	1029.1	1073.6	1126.0	1176.8	1194.0	1252.4	1289.6	1260.8
20°	960.3	959.1	967.9	995.5	1037.6	1090.0	1150.0	1171.2	1242.8	1288.0	1245.2
22.5°	960.7	957.9	961.5	981.1	1016.7	1066.0	1133.2	1157.2	1243.6	1294.8	1232.0
25°	983.5	979.5	980.3	990.7	1015.9	1060.8	1135.6	1161.2	1259.6	1317.6	1227.2
27.5°	1021.9	1017.5	1017.5	1022.7	1036.3	1077.2	1165.6	1194.8	1302.4	1362.1	1237.2
30°	1071.6	1067.2	1065.6	1070.8	1082.0	1119.6	1232.4	1262.8	1375.7	1434.9	1269.2
32.5°	1128.4	1123.2	1126.0	1133.2	1144.0	1196.0	1318.4	1358.9	1467.3	1532.9	1326.8
35°	1188.4	1184.0	1196.8	1212.4	1229.2	1302.0	1437.3	1472.5	1579.7	1655.0	1414.9
37.5°	1245.6	1243.6	1270.4	1303.2	1338.1	1429.3	1558.1	1585.3	1676.2	1787.8	1522.5
40°	1302.8	1302.4	1348.5	1406.1	1461.7	1556.1	1649.8	1672.2	1735.0	1891.0	1625.7
42.5°	1366.9	1366.9	1430.5	1507.3	1581.3	1663.4	1717.0	1727.0	1761.4	1950.7	1703.4
45°	1428.1	1431.7	1505.3	1594.5	1682.2	1747.0	1763.4	1764.2	1772.2	1985.9	1767.8
47.5°	1476.5	1479.7	1567.7	1670.6	1765.0	1810.6	1813.0	1809.4	1800.6	2019.5	1817.4
50°	1515.7	1520.5	1612.5	1721.4	1821.8	1871.8	1890.2	1886.6	1864.2	2055.5	1852.2
52.5°	1534.9	1541.7	1628.1	1746.6	1885.0	1976.7	2027.9	2036.3	1959.5	2075.5	1885.4
55°	1381.3	1391.3	1470.9	1633.0	1920.2	2138.7	2219.1	2217.5	2062.7	2135.1	1966.3
57.5°	1043.2	1042.4	1108.4	1285.6	1640.2	2147.9	2336.8	2333.6	2159.1	2204.3	2049.1
60°	710.2	705.4	723.0	808.7	1146.8	1749.8	2126.7	2169.9	2090.7	2036.3	1739.8
62.5°	584.6	580.2	574.6	551.0	658.6	1090.0	1469.3	1534.9	1524.5	1415.3	1091.2
65°	478.6	482.2	497.8	487.8	458.2	559.0	762.7	801.5	732.6	616.6	381.3
67.5°	352.9	354.5	374.9	427.7	411.7	372.1	358.9	365.3	214.1	98.4	63.6
70°	208.5	209.7	228.5	299.3	334.1	285.7	242.5	238.9	84.8	26.4	28.8
72.5°	118.0	115.6	119.2	142.4	182.1	151.7	124.8	113.6	25.6	14.8	14.8
75°	56.0	54.4	46.8	44.0	40.0	25.6	16.0	13.6	6.4	6.0	6.0
77.5°	0.4	1.2	0.8	1.2	1.2	0.8	0.4	0.4	1.2	1.2	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1	1432.1
2.5°	1422.9	1410.9	1408.1	1407.3	1396.1	1384.1	1371.7	1366.9	1359.7	1355.3	1358.9
5°	1396.1	1378.9	1363.7	1349.7	1324.8	1297.6	1274.0	1258.8	1244.4	1234.8	1237.2
7.5°	1358.1	1335.7	1300.8	1265.2	1219.6	1178.8	1133.2	1105.2	1079.2	1064.8	1071.6
10°	1317.6	1288.0	1232.4	1172.0	1100.4	1036.3	971.1	917.9	887.1	857.9	861.1
12.5°	1278.0	1238.8	1155.6	1064.0	973.5	879.1	780.7	707.0	656.6	620.2	614.6
15°	1241.2	1190.8	1080.8	959.9	836.7	711.0	585.4	480.2	421.7	385.7	383.3
17.5°	1208.4	1146.0	1003.1	851.1	696.6	535.8	391.3	312.5	278.9	263.3	261.7
20°	1176.8	1100.8	923.9	740.7	543.8	376.1	270.1	233.7	222.9	216.5	217.3
22.5°	1146.4	1051.6	840.7	618.2	407.7	264.1	209.3	195.3	194.1	194.9	195.3
25°	1120.8	1006.3	755.1	500.2	290.9	201.3	174.9	170.9	174.5	179.7	180.5
27.5°	1107.6	969.5	671.4	381.3	210.5	163.7	151.7	153.3	159.7	165.3	166.1
30°	1111.2	941.9	585.0	276.5	162.1	138.0	134.0	137.2	143.6	148.9	149.7
32.5°	1136.8	927.9	496.6	201.3	133.2	120.4	118.8	121.2	126.8	130.8	131.2
35°	1187.6	931.1	412.5	154.1	114.4	107.2	106.8	108.4	111.2	114.0	114.4
37.5°	1262.4	957.1	329.7	128.0	103.6	98.4	96.8	96.8	98.8	100.0	100.8
40°	1342.9	996.3	264.1	113.2	96.0	90.4	87.2	86.0	87.6	89.2	89.6
42.5°	1409.3	1035.5	214.5	102.8	90.0	82.4	78.4	77.6	79.6	82.4	83.2
45°	1460.1	1066.0	178.9	94.4	83.2	74.8	70.4	70.4	74.0	78.8	79.6
47.5°	1506.5	1090.4	152.5	86.8	76.8	68.0	63.6	64.4	70.4	76.8	78.0
50°	1538.1	1110.0	132.8	80.0	71.6	62.4	58.4	60.0	67.2	74.8	76.0
52.5°	1572.1	1134.0	120.0	74.0	66.8	58.0	54.4	55.6	63.6	72.0	73.6
55°	1666.2	1214.4	119.6	66.0	58.4	52.0	50.4	50.8	58.8	68.4	70.4
57.5°	1743.0	1285.2	127.6	55.6	48.8	45.6	44.8	45.2	52.4	63.2	65.6
60°	1442.1	998.7	105.6	46.0	40.8	40.0	38.8	39.6	46.4	56.0	58.0
62.5°	853.5	571.0	50.4	35.2	34.8	34.0	32.8	34.4	40.8	49.2	50.4
65°	291.7	169.3	32.0	28.8	29.6	28.4	27.2	28.8	34.4	39.2	39.6
67.5°	56.0	44.8	25.6	24.0	24.4	22.0	21.6	23.2	26.4	27.2	26.8
70°	29.2	26.0	19.6	19.6	18.8	15.6	15.6	17.2	17.2	16.0	15.6
72.5°	15.2	14.4	12.8	14.4	12.0	9.6	9.6	10.4	9.6	8.0	8.0
75°	6.0	6.0	5.6	7.2	5.2	4.4	4.0	4.8	3.6	2.8	2.8
77.5°	1.6	1.6	1.6	2.0	1.2	1.2	0.8	0.8	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)