

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: P634272

Luminaire Tested: GWS-SA3B-735-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

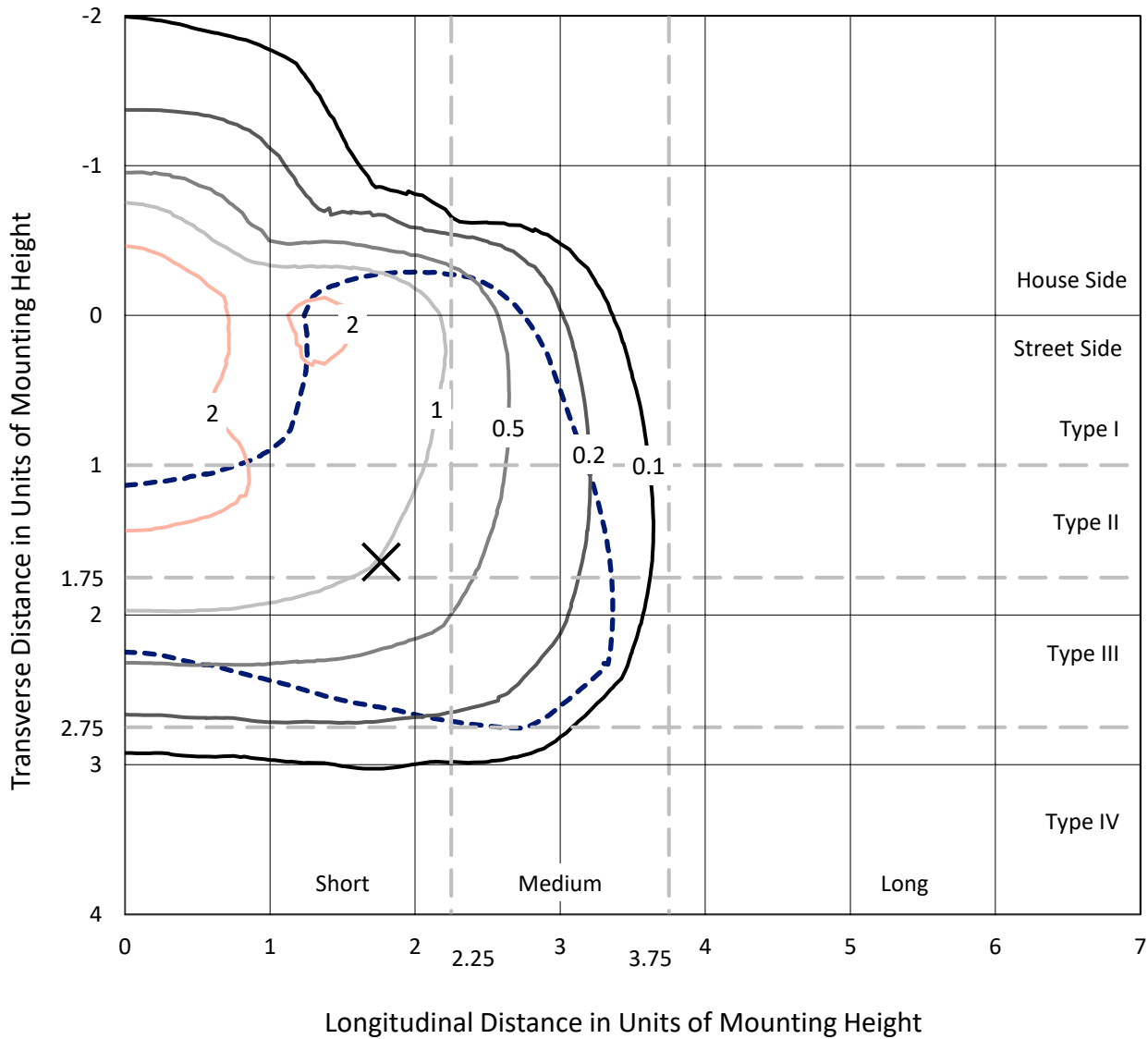
Lumens per Lamp: N/A  
Luminaire Lumens: 10171 lumens  
Efficiency: N/A  
Efficacy: 148.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

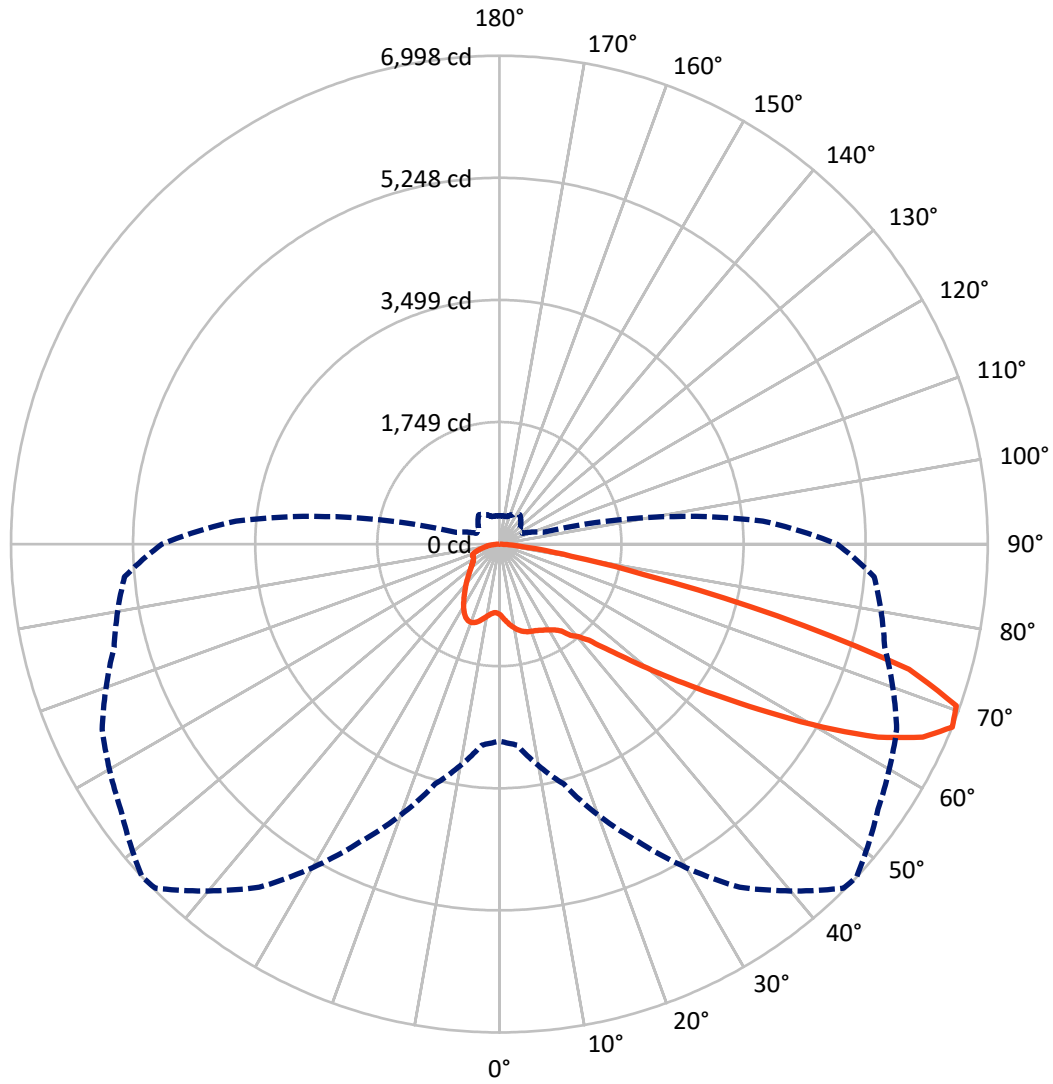
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2318.0	0.0	2318.0
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	7853.0	0.0	7853.0
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	10171.0	0.0	10171.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.0	1.0
10°-20°	343.3	3.4
20°-30°	583.5	5.7
30°-40°	854.8	8.4
40°-50°	1302.4	12.8
50°-60°	2330.3	22.9
60°-70°	3109.6	30.6
70°-80°	1406.2	13.8
80°-90°	137.8	1.4
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°	10171.0	100.0
0°-180°	10171.0	100.0

**Coefficient of Utilization**



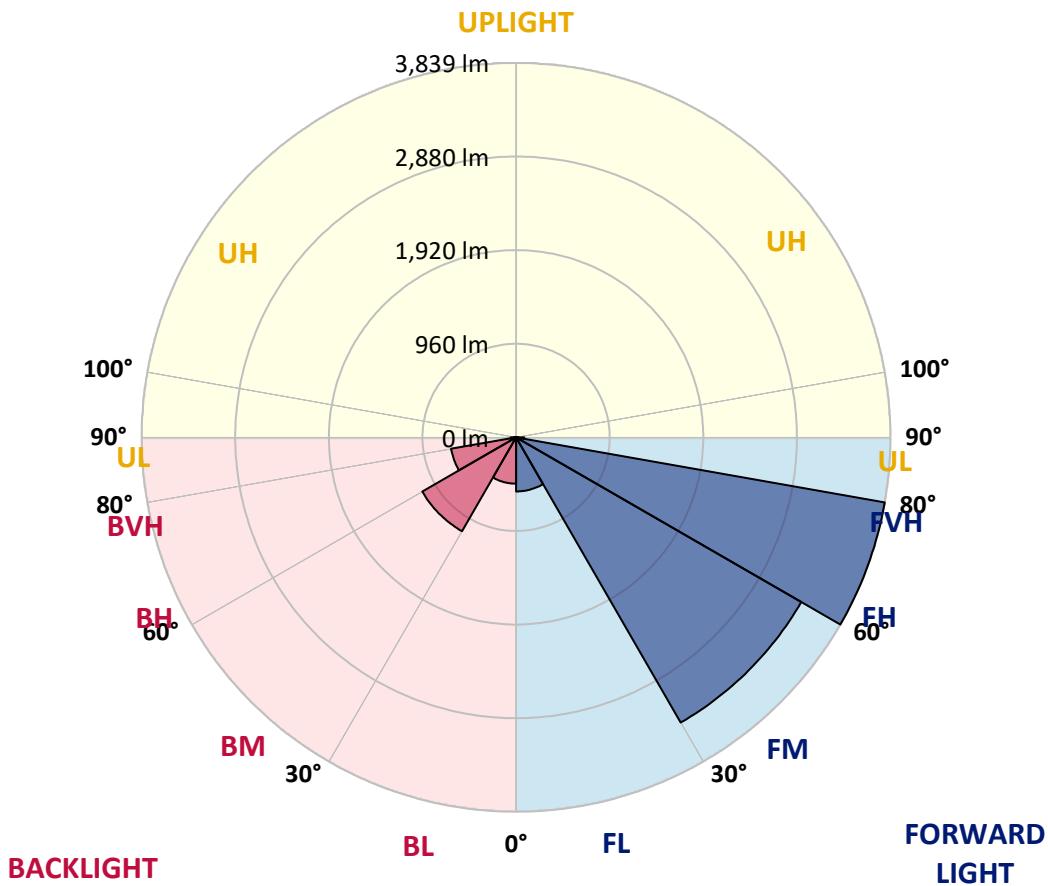
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	554.7	5.5			
FM (30°-60°)	3376.9	33.2			
FH (60°-80°)	3839.4	37.7			G2/5000
FVH (80°-90°)	82.0	0.8			G1/100
BL (0°-30°)	475.2	4.7	B1/500		
BM (30°-60°)	1110.7	10.9	B2/2500		
BH (60°-80°)	676.3	6.6	B2/1000		G2/1000
BVH (80°-90°)	55.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3
2.5°	1075.2	1078.9	1078.1	1072.2	1068.6	1062.0	1062.7	1052.4	1036.9	1026.7	1014.9
5°	1170.1	1175.9	1168.6	1159.0	1144.3	1123.0	1120.8	1097.3	1067.8	1047.2	1025.9
7.5°	1252.4	1256.1	1247.3	1231.1	1209.8	1181.1	1175.9	1148.0	1111.2	1078.9	1048.0
10°	1316.4	1320.8	1309.1	1287.7	1259.8	1231.1	1227.4	1198.7	1159.8	1121.5	1082.5
12.5°	1370.8	1372.3	1359.8	1331.1	1301.0	1271.6	1267.9	1241.4	1205.4	1166.4	1123.7
15°	1402.5	1403.2	1387.7	1356.1	1327.4	1301.7	1299.5	1276.7	1243.6	1206.8	1161.2
17.5°	1400.2	1401.7	1390.7	1362.7	1337.7	1322.3	1320.1	1305.4	1279.6	1246.5	1200.9
20°	1373.0	1374.5	1367.2	1348.8	1335.5	1331.1	1331.9	1327.4	1312.0	1284.8	1238.5
22.5°	1351.7	1353.9	1347.3	1334.1	1332.6	1342.9	1345.1	1347.3	1339.9	1315.7	1270.8
25°	1362.0	1365.7	1355.4	1337.0	1339.9	1362.7	1367.2	1374.5	1368.6	1348.0	1309.1
27.5°	1433.3	1435.6	1409.1	1371.6	1362.7	1387.0	1393.6	1405.4	1401.0	1381.9	1351.7
30°	1598.8	1597.3	1540.7	1448.8	1412.0	1421.6	1426.7	1443.6	1445.1	1432.6	1403.9
32.5°	1831.9	1824.6	1737.1	1590.7	1484.1	1460.6	1466.4	1489.2	1506.2	1492.9	1453.9
35°	2078.3	2071.7	1975.4	1804.0	1617.2	1535.6	1528.9	1546.6	1572.3	1535.6	1479.7
37.5°	2312.9	2302.6	2204.1	1992.3	1781.2	1667.2	1657.6	1640.0	1624.6	1554.0	1511.3
40°	2573.3	2561.5	2475.4	2235.7	1962.1	1768.0	1743.7	1673.8	1659.9	1615.0	1593.7
42.5°	2851.2	2851.2	2779.9	2543.8	2180.5	1912.1	1880.5	1775.3	1790.0	1760.6	1735.6
45°	3129.2	3137.3	3080.7	2854.2	2472.5	2184.2	2133.5	1984.2	2019.5	2006.2	1993.7
47.5°	3366.0	3381.5	3370.5	3171.2	2829.9	2515.2	2437.9	2282.8	2358.5	2390.1	2425.4
50°	3621.2	3638.1	3627.1	3548.4	3248.4	2916.0	2846.8	2686.5	2816.7	2911.5	3027.0
52.5°	4000.0	4024.2	3932.3	3902.2	3756.6	3371.2	3309.4	3127.0	3363.1	3520.5	3777.9
55°	4319.9	4319.2	4286.8	4355.9	4302.2	3927.9	3859.5	3694.0	3995.6	4162.5	4539.0
57.5°	4468.4	4486.1	4597.1	4792.8	4900.1	4608.2	4542.7	4373.6	4674.4	4761.1	5167.8
60°	4544.9	4567.0	4781.7	5168.6	5457.6	5351.0	5325.2	5109.7	5278.9	5268.6	5698.1
62.5°	4437.6	4481.7	4826.6	5340.7	5855.5	6097.4	6089.3	5763.5	5792.9	5692.2	6026.8
65°	3944.8	3992.6	4533.9	5254.6	6082.7	6665.2	6667.4	6355.5	6187.9	5898.1	5971.7
67.5°	2821.1	2889.5	3558.7	4701.6	6002.5	6971.8	6997.6	6624.0	6280.5	5715.7	5392.1
70°	1537.8	1587.8	2112.1	3417.5	5280.4	6898.3	6946.1	6494.5	5871.6	4944.3	4150.7
72.5°	698.7	714.8	982.5	1875.3	3607.3	5937.8	6137.9	5795.9	4822.2	3652.1	2639.4
75°	319.9	327.3	428.0	897.2	1884.9	3973.5	4114.0	4316.9	3355.7	2306.3	1376.0
77.5°	200.8	203.0	243.4	410.4	939.9	1983.4	2131.3	2570.3	1965.1	1141.4	575.1
80°	118.4	120.6	151.5	222.1	441.3	907.5	1048.0	1016.4	923.7	492.7	261.8
82.5°	59.6	61.8	87.5	126.5	240.5	361.1	425.1	427.3	344.2	267.0	147.8
85°	21.3	22.1	28.7	50.0	102.2	119.1	133.1	162.5	168.4	155.2	71.3
87.5°	0.0	0.0	0.7	1.5	2.9	11.8	12.5	23.5	49.3	55.2	28.7
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°	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3	1008.3
2.5°	1011.2	1000.2	996.5	992.8	986.9	984.7	980.3	975.9	975.9	971.5	969.3
5°	1016.4	1001.6	992.1	987.7	984.0	986.2	986.2	987.7	992.8	989.9	991.4
7.5°	1034.7	1017.8	1004.6	1000.9	1000.9	1009.7	1015.6	1023.0	1032.5	1034.0	1034.0
10°	1067.1	1047.2	1033.3	1031.1	1034.7	1047.2	1056.1	1064.9	1076.7	1077.4	1078.9
12.5°	1102.4	1082.5	1068.6	1071.5	1075.2	1091.4	1100.9	1108.3	1120.1	1120.1	1119.3
15°	1139.2	1117.1	1105.3	1111.2	1122.3	1140.6	1142.1	1142.9	1148.7	1147.3	1146.5
17.5°	1177.4	1153.9	1145.1	1153.9	1165.6	1174.5	1167.1	1156.8	1154.6	1151.7	1150.2
20°	1214.9	1190.7	1187.0	1193.6	1197.3	1189.9	1167.1	1148.0	1139.2	1134.8	1133.3
22.5°	1247.3	1226.7	1224.5	1224.5	1206.1	1180.4	1146.5	1120.8	1109.0	1103.1	1101.7
25°	1285.5	1266.4	1262.7	1242.9	1195.8	1148.7	1103.1	1079.6	1070.0	1067.1	1067.8
27.5°	1330.4	1317.1	1305.4	1248.8	1166.4	1092.8	1041.4	1031.1	1027.4	1031.1	1033.3
30°	1385.5	1372.3	1345.8	1241.4	1119.3	1020.0	970.8	970.0	981.1	990.6	992.1
32.5°	1430.4	1424.5	1381.1	1217.9	1053.1	939.9	898.0	900.9	920.8	934.0	936.2
35°	1465.7	1475.3	1410.5	1178.9	974.4	864.1	831.0	832.5	843.5	861.9	862.7
37.5°	1515.7	1548.1	1437.0	1119.3	884.0	798.7	768.5	757.5	756.0	761.2	762.6
40°	1616.5	1665.0	1456.1	1032.5	796.5	739.8	706.0	684.7	666.3	652.3	647.9
42.5°	1768.7	1824.6	1467.2	927.4	718.5	681.7	643.5	616.3	583.9	554.5	544.2
45°	2048.2	2066.5	1467.2	815.6	649.4	627.3	589.1	556.7	515.5	481.0	473.6
47.5°	2495.3	2436.5	1468.6	707.5	588.3	579.5	546.4	509.6	464.1	435.4	431.0
50°	3168.9	2962.3	1498.8	617.8	537.6	539.1	514.8	474.3	433.2	411.8	408.2
52.5°	3932.3	3610.2	1579.7	551.6	494.9	506.0	492.7	453.8	417.0	398.6	394.9
55°	4650.1	4205.9	1648.8	504.5	458.9	478.0	477.3	441.3	408.2	389.8	387.6
57.5°	5260.5	4614.1	1638.5	466.3	428.0	452.3	463.3	433.2	402.3	386.8	384.6
60°	5640.0	4830.3	1492.2	431.0	404.5	433.9	455.2	431.0	405.2	401.5	402.3
62.5°	5804.7	4790.6	1211.2	404.5	389.0	425.1	464.1	446.4	432.4	441.3	446.4
65°	5548.8	4449.3	891.3	384.6	374.3	427.3	484.6	470.7	432.4	438.3	440.5
67.5°	4838.4	3787.4	644.2	364.8	355.9	433.9	514.1	467.0	407.4	407.4	403.0
70°	3486.7	2724.0	467.7	344.9	337.6	424.3	515.5	442.0	378.7	376.5	365.5
72.5°	2098.2	1606.9	364.8	322.9	309.6	376.5	483.2	412.6	350.8	332.4	319.2
75°	1089.9	805.3	305.9	298.6	265.5	319.2	442.0	367.0	300.1	283.9	276.5
77.5°	467.0	376.5	262.5	266.2	220.6	268.4	356.7	317.7	266.2	245.6	239.0
80°	230.2	214.0	207.4	213.3	176.5	207.4	307.4	278.0	225.8	202.2	192.7
82.5°	131.6	125.0	149.3	151.5	125.8	173.6	259.6	235.3	186.8	161.1	145.6
85°	61.0	65.5	90.5	91.2	78.0	119.1	169.9	132.4	99.3	82.4	78.7
87.5°	24.3	28.7	39.7	39.0	22.8	22.1	14.7	8.1	6.6	5.9	5.1
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)