

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: P630114

Luminaire Tested: GWS-SA1D-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630114  
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-SA1D-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

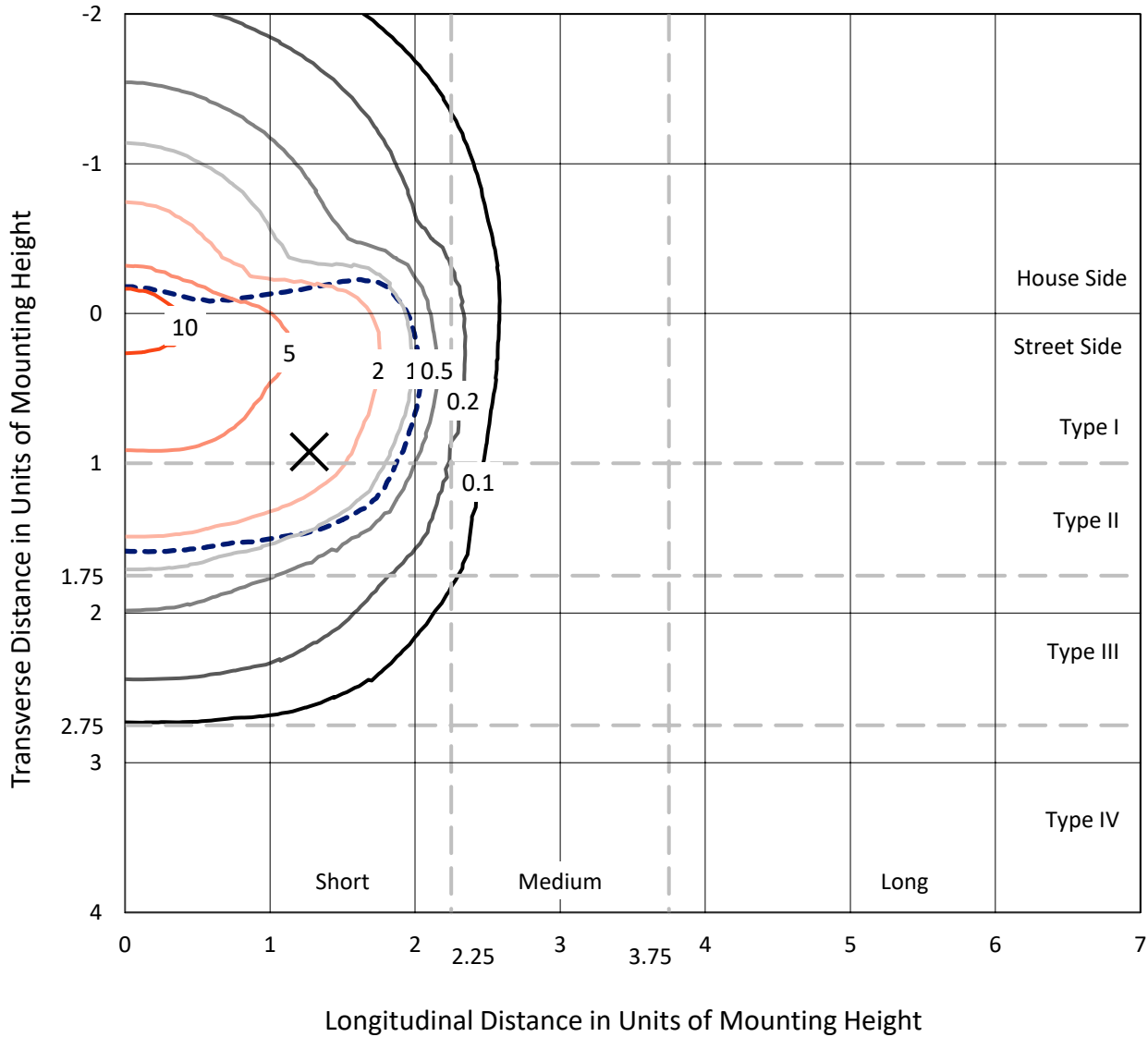
Lumens per Lamp: N/A  
Luminaire Lumens: 3740.5 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

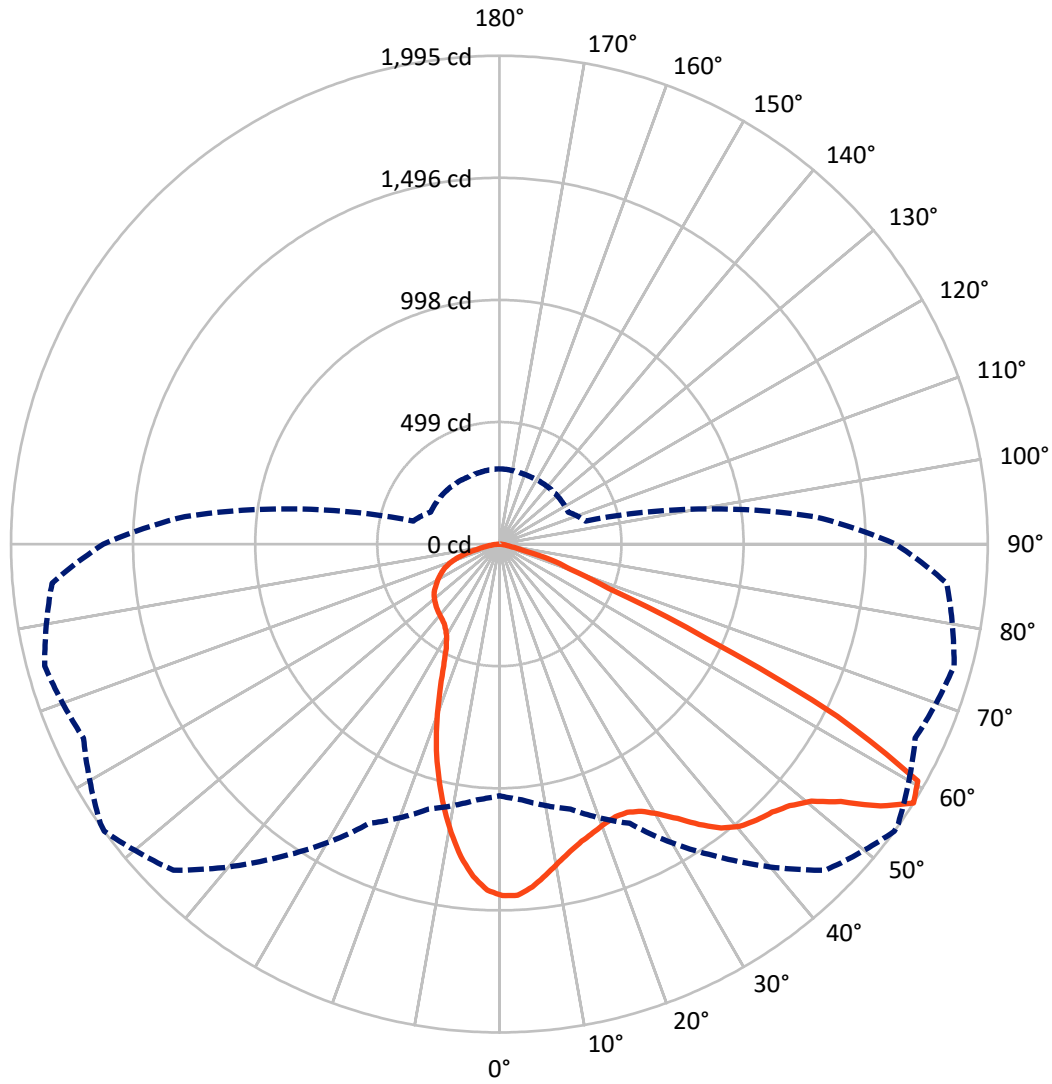
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 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
<b>House Side</b>	Lumens	1087.4	0.0	1087.4
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	2653.1	0.0	2653.1
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	3740.5	0.0	3740.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.2	3.4
10°-20°	301.2	8.1
20°-30°	416.8	11.1
30°-40°	579.2	15.5
40°-50°	764.9	20.4
50°-60°	909.0	24.3
60°-70°	503.6	13.5
70°-80°	125.4	3.4
80°-90°	14.3	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°	3740.5	100.0
0°-180°	3740.5	100.0

**Coefficient of Utilization**



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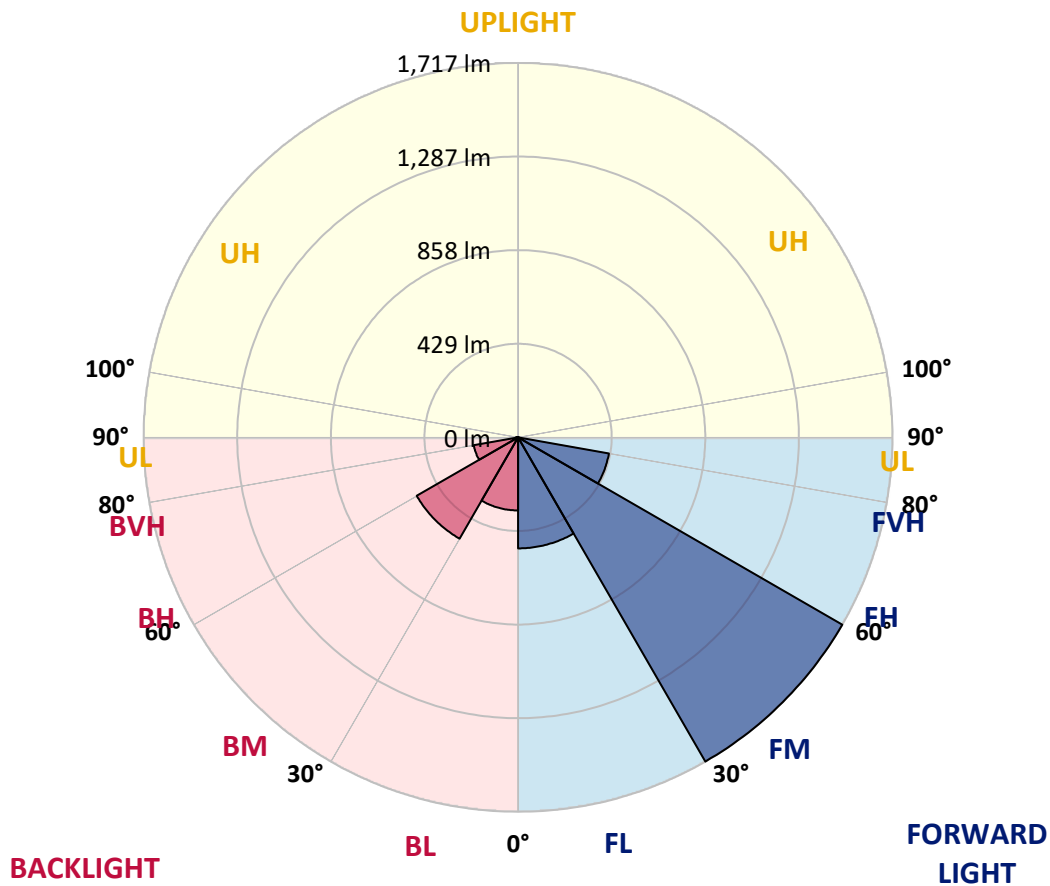
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.1	13.6			
FM (30°-60°)	1716.6	45.9			
FH (60°-80°)	422.9	11.3			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	335.1	9.0	B1/500		
BM (30°-60°)	536.4	14.3	B1/1000		
BH (60°-80°)	206.1	5.5	B1/500		G1/500
BVH (80°-90°)	9.8	0.3			G0/10
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°	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1
2.5°	1409.2	1412.0	1414.0	1420.7	1426.5	1431.6	1437.0	1437.0	1436.7	1435.7	1433.8
5°	1353.5	1356.7	1361.1	1370.4	1382.9	1391.9	1406.6	1407.9	1414.3	1416.9	1415.6
7.5°	1288.8	1289.7	1295.5	1307.7	1327.5	1343.5	1364.7	1367.2	1382.6	1391.6	1390.0
10°	1218.0	1214.8	1225.1	1243.0	1268.9	1295.8	1323.0	1325.3	1349.9	1366.9	1365.6
12.5°	1153.3	1153.7	1163.9	1185.7	1218.0	1251.3	1287.8	1292.9	1323.4	1345.1	1342.9
15°	1099.2	1100.5	1113.0	1137.6	1174.5	1214.2	1259.6	1264.4	1302.9	1331.7	1325.3
17.5°	1056.0	1057.3	1068.2	1096.3	1135.7	1183.8	1239.1	1243.9	1291.7	1325.9	1312.8
20°	1026.2	1025.6	1036.1	1063.0	1103.7	1155.9	1221.2	1228.3	1288.1	1328.2	1304.5
22.5°	1014.0	1013.7	1021.4	1043.5	1081.6	1134.4	1210.3	1219.9	1292.0	1338.1	1299.3
25°	1020.1	1018.9	1025.6	1041.9	1072.3	1126.1	1213.5	1223.8	1308.3	1358.6	1300.3
27.5°	1039.0	1037.4	1043.2	1057.9	1081.0	1134.8	1235.9	1247.8	1342.9	1396.0	1313.1
30°	1067.8	1066.9	1072.6	1086.7	1106.9	1163.6	1278.8	1292.3	1396.4	1454.3	1341.0
32.5°	1101.5	1099.9	1110.1	1126.4	1149.8	1216.1	1336.5	1354.1	1459.8	1529.2	1387.7
35°	1139.2	1138.0	1152.1	1175.7	1209.4	1289.1	1406.3	1425.5	1524.4	1614.1	1449.8
37.5°	1176.1	1176.1	1203.3	1238.5	1280.8	1368.5	1471.9	1484.1	1569.3	1689.3	1516.4
40°	1208.7	1210.6	1251.6	1304.5	1358.3	1440.2	1515.2	1525.4	1589.1	1741.2	1574.4
42.5°	1244.9	1246.5	1294.2	1363.4	1427.4	1498.2	1541.4	1546.5	1593.0	1767.1	1615.4
45°	1273.7	1276.0	1335.2	1409.2	1487.6	1541.7	1562.2	1566.7	1598.4	1781.2	1645.1
47.5°	1288.8	1292.0	1359.9	1446.0	1528.3	1580.8	1596.5	1598.4	1620.8	1805.9	1681.0
50°	1286.2	1292.6	1369.1	1464.2	1558.4	1620.2	1651.6	1654.8	1666.6	1842.1	1723.0
52.5°	1308.9	1311.8	1389.0	1486.0	1601.3	1692.9	1747.3	1751.8	1746.3	1869.3	1747.9
55°	1271.2	1284.9	1364.3	1482.8	1666.6	1805.2	1889.1	1886.9	1818.7	1899.7	1789.6
57.5°	1028.1	1048.3	1121.0	1258.7	1559.0	1884.0	1995.1	1989.7	1874.7	1923.1	1834.7
60°	711.8	715.0	780.6	878.3	1203.3	1664.4	1964.1	1975.9	1885.0	1893.6	1751.1
62.5°	569.3	568.3	574.4	577.0	765.3	1170.0	1550.4	1593.6	1566.1	1475.4	1241.1
65°	486.1	489.6	507.5	498.2	499.5	659.0	926.3	932.4	913.2	880.5	656.4
67.5°	380.4	386.5	418.2	454.4	442.8	424.3	480.6	477.7	376.5	291.4	240.8
70°	238.2	242.1	276.0	356.7	385.5	348.4	309.0	307.7	201.7	165.9	181.9
72.5°	139.0	139.6	149.2	198.8	255.8	238.2	227.3	219.0	129.7	132.2	145.0
75°	76.5	76.5	76.2	85.8	100.9	89.3	86.5	84.2	86.8	98.3	107.9
77.5°	16.0	16.3	17.3	22.7	29.5	35.9	45.1	45.5	56.7	65.6	73.3
80°	7.4	7.7	9.6	12.2	15.7	20.8	27.5	27.9	34.3	41.3	46.4
82.5°	3.8	4.2	5.1	6.4	8.3	10.9	15.4	15.4	20.5	24.3	27.5
85°	1.3	1.3	1.9	2.6	3.5	4.5	6.1	6.1	9.0	11.8	13.8
87.5°	0.0	0.0	0.0	0.0	0.3	0.6	1.3	1.3	1.6	1.9	3.2
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°	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1
2.5°	1429.7	1419.7	1420.1	1422.0	1415.9	1406.6	1400.5	1392.8	1388.0	1387.1	1390.6
5°	1409.2	1397.6	1389.6	1381.3	1364.0	1343.5	1327.5	1314.4	1305.7	1302.5	1298.7
7.5°	1381.0	1365.9	1345.8	1322.4	1291.0	1254.5	1228.9	1204.9	1188.2	1183.4	1181.2
10°	1352.8	1331.0	1295.2	1251.6	1199.4	1150.1	1103.7	1068.2	1040.0	1024.0	1029.1
12.5°	1323.7	1296.8	1240.7	1173.8	1101.1	1026.9	966.0	907.1	861.6	838.9	832.2
15°	1298.1	1261.6	1183.4	1092.8	996.1	902.6	814.6	726.2	668.6	637.2	628.5
17.5°	1276.3	1228.9	1122.9	1010.2	894.6	761.4	653.2	571.2	531.8	514.5	513.3
20°	1254.8	1196.9	1063.0	921.2	777.4	628.2	531.5	493.1	479.0	472.9	472.6
22.5°	1235.6	1163.3	1000.0	832.2	660.9	528.0	474.8	458.2	454.4	454.4	453.7
25°	1219.3	1129.6	935.3	737.7	555.5	470.0	445.4	438.3	439.9	442.8	443.1
27.5°	1212.6	1103.4	872.8	640.7	482.9	436.4	425.2	424.3	428.7	433.2	433.9
30°	1219.6	1085.5	808.8	547.8	439.3	415.9	410.8	412.7	418.2	422.7	422.7
32.5°	1241.4	1076.5	743.5	480.0	414.0	401.5	399.9	401.8	406.0	408.6	408.9
35°	1278.2	1080.0	675.9	434.2	397.7	391.0	390.6	391.9	393.5	395.1	395.4
37.5°	1324.6	1095.7	603.6	407.6	387.1	383.3	382.6	382.3	382.6	382.6	383.0
40°	1370.1	1119.4	538.9	391.9	379.7	376.5	374.9	372.7	372.4	371.7	371.4
42.5°	1403.7	1137.6	487.3	380.7	373.0	369.2	367.3	363.7	363.4	363.1	362.8
45°	1429.0	1153.0	444.4	369.8	366.0	362.5	358.3	355.1	355.7	356.4	356.4
47.5°	1457.5	1166.5	413.0	359.6	357.3	353.8	348.7	346.4	348.7	350.9	350.9
50°	1492.1	1185.4	387.4	349.3	348.4	344.2	339.7	338.8	341.3	344.5	344.5
52.5°	1517.4	1201.7	369.2	339.1	339.1	333.6	329.8	329.5	332.4	335.6	335.9
55°	1564.8	1239.8	362.8	327.2	326.0	321.8	318.9	316.7	320.2	323.1	323.1
57.5°	1618.3	1290.4	364.4	310.3	308.7	307.4	305.1	302.6	303.5	306.7	307.1
60°	1504.9	1192.4	346.8	293.3	292.3	291.7	288.8	284.3	285.6	288.2	288.5
62.5°	1051.2	792.5	280.5	272.2	275.4	275.0	271.2	266.1	266.4	269.9	269.9
65°	545.6	428.7	246.2	253.0	257.8	255.8	249.4	244.9	244.3	248.8	247.8
67.5°	235.3	234.1	224.1	232.8	237.9	233.7	227.0	219.7	220.3	221.9	220.6
70°	189.6	195.3	199.5	208.8	212.9	205.2	197.9	193.7	190.2	189.9	187.6
72.5°	151.5	159.5	168.7	178.3	179.6	171.9	162.7	158.8	153.4	153.1	150.8
75°	114.0	120.7	128.1	135.8	135.8	128.4	122.3	120.4	114.0	112.1	110.1
77.5°	77.8	82.0	87.7	89.7	91.6	88.7	82.6	79.4	72.0	70.1	67.6
80°	49.0	51.9	55.4	56.7	58.6	55.1	50.3	46.7	41.6	40.0	38.7
82.5°	29.5	31.4	33.6	34.3	35.9	33.3	28.8	26.3	23.4	22.1	21.1
85°	15.0	16.0	17.3	17.6	17.3	14.7	13.1	11.8	9.9	9.6	9.0
87.5°	3.8	4.5	4.8	4.5	4.2	3.2	2.2	1.6	0.6	0.6	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)