

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: P630611

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

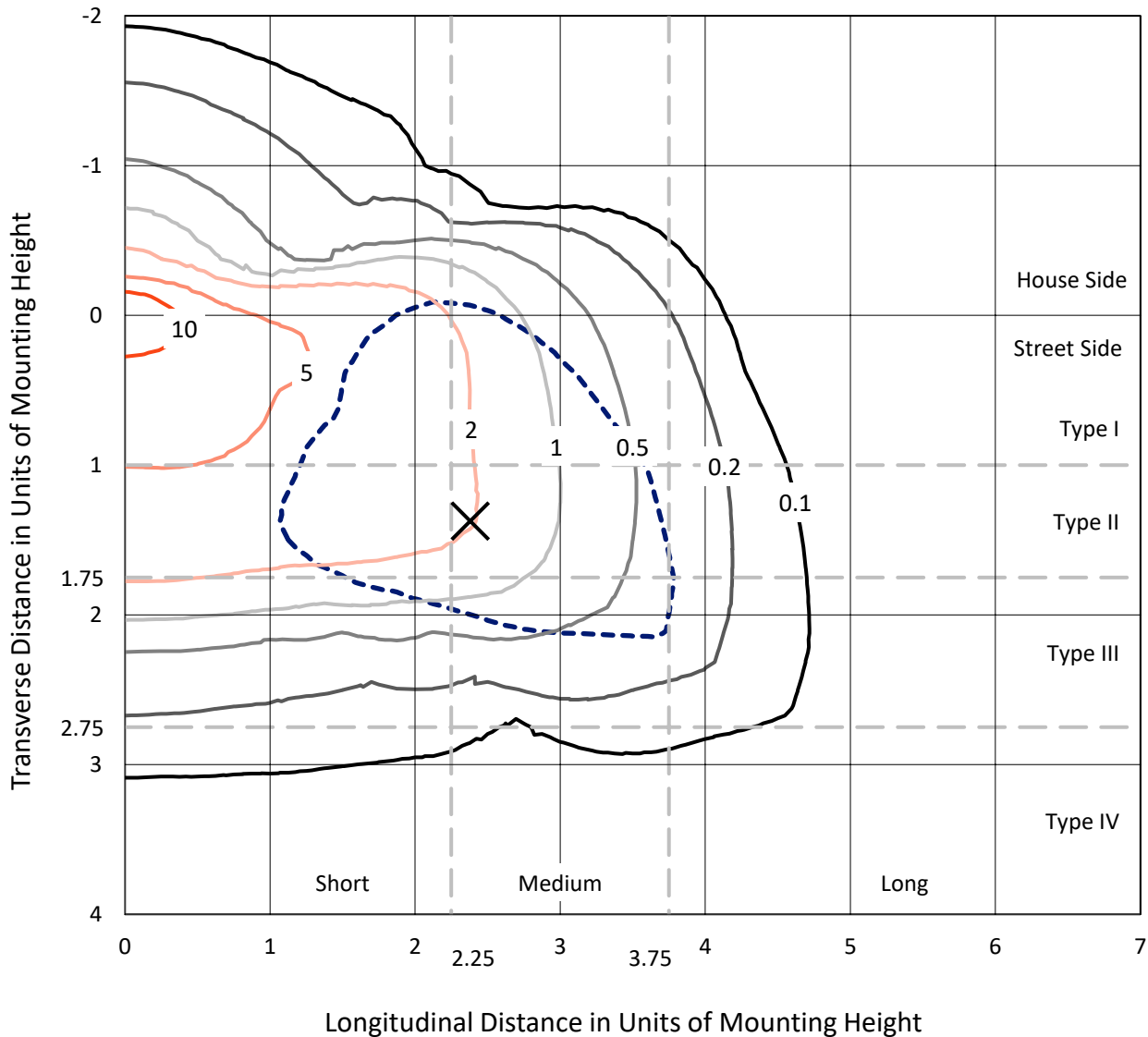
Lumens per Lamp: N/A  
Luminaire Lumens: 5469 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

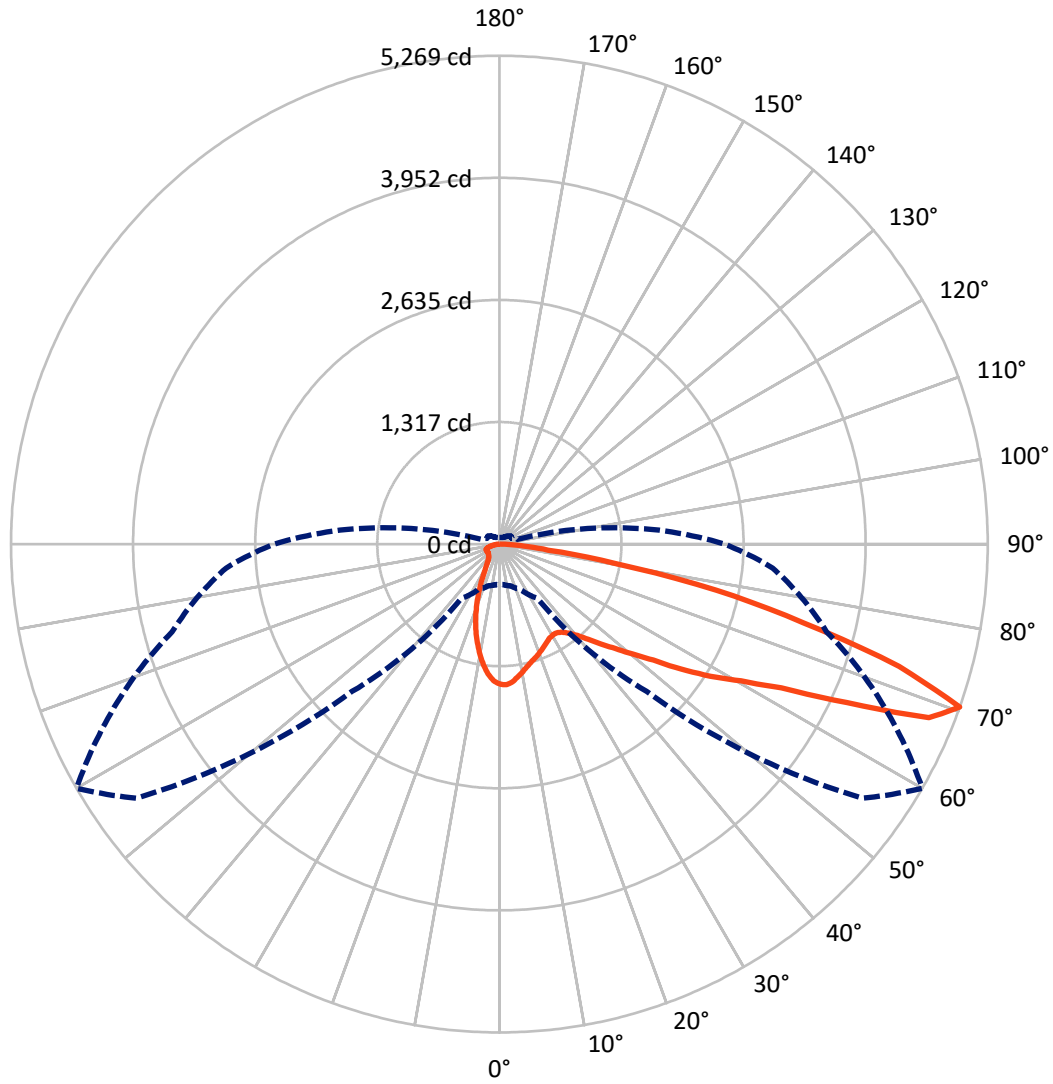
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	935.3	0.0	935.3
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	4533.7	0.0	4533.7
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	5469.0	0.0	5469.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.4	2.4
10°-20°	292.2	5.3
20°-30°	374.3	6.8
30°-40°	491.9	9.0
40°-50°	713.6	13.0
50°-60°	1113.4	20.4
60°-70°	1457.7	26.7
70°-80°	806.0	14.7
80°-90°	89.4	1.6
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°	5469.0	100.0
0°-180°	5469.0	100.0

**Coefficient of Utilization**



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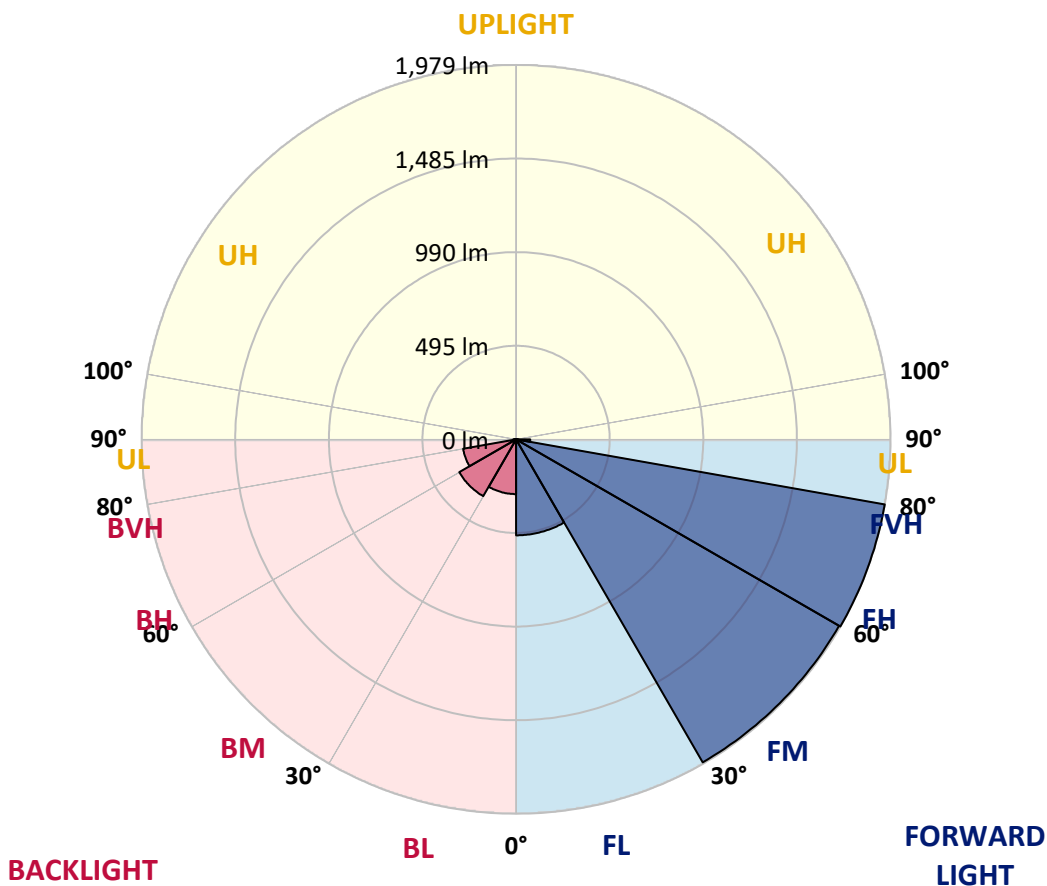
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	507.6	9.3			
FM (30°-60°)	1972.1	36.1			
FH (60°-80°)	1979.5	36.2			G2/5000
FVH (80°-90°)	74.5	1.4			G1/100
BL (0°-30°)	289.4	5.3	B1/500		
BM (30°-60°)	346.8	6.3	B1/1000		
BH (60°-80°)	284.2	5.2	B1/500		G1/500
BVH (80°-90°)	14.9	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3
2.5°	1492.1	1493.7	1498.1	1504.5	1510.9	1514.1	1522.1	1519.7	1518.1	1514.9	1510.9
5°	1426.1	1429.3	1433.3	1445.7	1459.7	1470.9	1488.9	1490.9	1491.7	1493.3	1486.9
7.5°	1342.1	1342.9	1352.5	1368.9	1387.3	1406.5	1436.5	1444.9	1452.1	1460.1	1454.9
10°	1249.2	1251.2	1258.5	1282.1	1313.7	1342.1	1382.5	1396.5	1411.7	1429.3	1422.1
12.5°	1173.2	1173.6	1185.2	1210.4	1244.8	1283.3	1333.7	1350.5	1370.5	1398.1	1391.7
15°	1112.8	1112.8	1123.6	1145.2	1184.8	1230.0	1290.1	1311.7	1338.9	1376.1	1364.9
17.5°	1064.8	1065.2	1072.0	1094.8	1130.0	1180.0	1251.2	1280.5	1310.5	1359.7	1342.9
20°	1039.6	1037.6	1038.8	1052.8	1082.8	1131.2	1212.4	1246.4	1286.9	1348.5	1322.9
22.5°	1038.4	1034.8	1029.6	1030.8	1048.4	1088.4	1170.8	1212.0	1262.9	1339.3	1302.5
25°	1058.8	1054.8	1045.6	1035.2	1033.6	1057.6	1131.6	1178.4	1238.0	1335.3	1282.9
27.5°	1093.2	1090.4	1078.4	1062.8	1046.4	1045.6	1102.0	1150.8	1220.0	1339.3	1268.9
30°	1138.8	1134.0	1126.4	1106.4	1081.6	1056.0	1090.4	1136.0	1208.0	1352.1	1262.9
32.5°	1190.4	1187.6	1180.4	1160.4	1134.0	1093.2	1099.6	1139.2	1208.0	1374.5	1264.1
35°	1245.2	1244.8	1244.8	1231.6	1202.4	1151.6	1136.0	1166.4	1226.4	1410.5	1276.9
37.5°	1298.5	1298.1	1310.9	1315.7	1282.5	1227.6	1198.0	1220.8	1266.9	1463.7	1308.5
40°	1341.7	1343.3	1371.3	1395.3	1376.9	1326.1	1284.5	1296.1	1332.5	1539.4	1363.7
42.5°	1385.3	1389.7	1431.7	1474.1	1481.3	1437.3	1395.3	1402.1	1426.5	1639.4	1446.1
45°	1432.9	1434.9	1493.7	1553.0	1587.8	1561.8	1527.3	1536.6	1542.2	1763.0	1569.0
47.5°	1478.9	1484.1	1560.2	1641.4	1707.4	1705.0	1685.8	1683.0	1684.2	1913.5	1714.2
50°	1541.8	1549.4	1638.6	1736.6	1833.5	1877.9	1883.5	1862.3	1853.5	2080.7	1895.1
52.5°	1661.0	1661.0	1741.0	1837.5	1967.5	2077.5	2115.2	2080.3	2052.3	2257.6	2087.1
55°	1810.2	1816.7	1880.3	1958.3	2123.2	2287.6	2414.9	2376.5	2297.2	2450.1	2288.4
57.5°	1876.7	1884.7	1985.5	2106.8	2326.8	2526.5	2703.0	2689.4	2573.7	2650.2	2497.3
60°	1756.6	1773.4	1912.3	2115.6	2511.3	2911.8	3036.3	2996.7	2831.4	2860.2	2723.8
62.5°	1465.3	1483.7	1637.8	1921.5	2485.7	3328.4	3561.7	3415.6	3153.1	3125.5	3025.5
65°	874.3	873.5	1058.8	1434.9	2170.0	3444.0	4393.2	4120.7	3650.1	3489.7	3336.0
67.5°	555.8	554.6	593.4	760.3	1444.1	3160.7	4927.8	4998.6	4325.2	3757.3	3361.6
70°	438.6	438.2	466.2	542.2	714.3	2249.2	4778.9	5269.1	4732.9	3655.3	2959.9
72.5°	319.7	320.5	363.7	454.2	551.0	1129.2	3869.8	4508.4	4353.2	3226.8	2402.9
75°	229.7	230.9	256.9	347.7	508.2	617.4	2573.3	3390.0	3312.0	2586.5	1653.0
77.5°	146.1	147.7	170.5	243.7	410.5	498.6	1560.2	2393.3	2203.6	1457.3	587.8
80°	89.2	94.4	113.6	181.7	328.1	374.1	779.9	1260.9	1103.6	399.7	197.7
82.5°	46.0	50.0	68.4	112.4	226.1	328.5	441.4	529.8	341.7	167.3	105.2
85°	14.4	16.8	24.0	45.6	107.6	203.7	292.1	263.3	156.9	78.8	48.8
87.5°	3.6	3.6	4.0	4.0	4.4	9.2	56.4	59.6	41.6	24.8	20.0
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°	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3	1513.3
2.5°	1502.9	1493.3	1489.3	1488.9	1478.9	1464.5	1454.9	1448.1	1444.1	1443.3	1443.3
5°	1476.1	1463.7	1447.3	1434.9	1408.1	1380.9	1358.1	1345.3	1330.5	1328.5	1328.1
7.5°	1440.5	1422.5	1391.3	1356.5	1309.7	1264.5	1226.0	1200.0	1174.0	1169.2	1167.6
10°	1402.1	1377.7	1324.5	1263.3	1193.2	1125.6	1066.8	1020.8	990.4	968.7	964.7
12.5°	1364.1	1331.7	1253.6	1162.4	1066.4	973.9	885.5	810.3	755.9	724.3	718.7
15°	1328.5	1283.3	1176.4	1060.0	935.1	808.7	683.4	585.8	509.4	482.2	475.8
17.5°	1296.1	1239.6	1101.6	953.9	798.3	633.0	490.6	403.7	358.9	345.3	342.1
20°	1263.7	1194.8	1025.6	842.3	653.0	467.8	358.5	317.7	300.9	295.7	294.1
22.5°	1228.8	1145.6	942.7	732.3	506.2	350.1	293.3	275.3	270.1	270.5	270.1
25°	1194.0	1095.6	855.9	612.6	376.9	284.1	256.1	249.3	250.5	254.1	254.9
27.5°	1165.2	1051.2	770.7	481.4	294.5	244.5	231.3	230.9	235.3	240.1	240.9
30°	1144.4	1011.6	686.6	370.1	242.5	217.3	212.1	214.5	219.7	223.3	224.5
32.5°	1129.6	977.6	597.0	290.9	212.5	198.1	195.7	198.1	201.3	204.9	205.7
35°	1124.4	952.7	509.0	237.3	192.1	184.1	182.5	183.7	185.3	187.3	188.1
37.5°	1136.0	940.3	416.9	206.5	179.7	174.9	172.5	171.7	172.1	172.9	173.3
40°	1170.4	945.9	341.7	188.5	171.7	167.3	163.3	161.7	161.3	162.1	161.7
42.5°	1229.6	969.5	287.3	178.1	165.3	158.9	154.5	152.9	152.9	154.9	154.9
45°	1316.5	1016.0	248.1	170.5	159.7	151.7	146.9	146.1	147.7	150.9	151.3
47.5°	1443.7	1084.0	224.5	164.9	154.5	145.3	140.5	140.1	143.3	148.5	148.9
50°	1594.6	1182.0	211.7	160.9	150.9	140.1	135.2	135.6	139.2	144.9	146.1
52.5°	1776.2	1315.7	212.5	159.3	148.9	136.8	132.0	131.2	134.8	140.5	141.7
55°	1963.9	1478.1	228.1	159.7	146.1	135.2	128.8	126.0	129.2	133.2	133.6
57.5°	2170.4	1661.4	266.9	158.9	142.5	133.6	126.0	119.6	121.6	124.0	125.2
60°	2403.3	1877.1	350.5	160.5	140.9	130.0	120.4	112.0	111.6	113.2	113.6
62.5°	2714.6	2170.4	444.6	163.3	144.5	125.6	112.0	103.2	101.6	102.4	102.8
65°	2952.7	2310.4	414.9	160.9	152.1	122.4	104.0	94.8	91.6	90.8	90.8
67.5°	2855.8	2125.2	288.9	154.5	155.7	122.8	97.6	86.0	82.0	80.0	79.6
70°	2430.1	1726.2	200.9	148.1	151.7	122.0	90.8	78.8	73.6	70.8	70.4
72.5°	1919.9	1318.1	162.5	135.2	137.6	110.0	80.8	70.8	66.4	62.8	62.8
75°	1235.6	804.3	135.6	120.4	112.4	85.6	70.0	63.2	58.8	55.2	55.2
77.5°	415.7	298.5	105.2	102.0	84.0	64.4	58.8	54.4	50.8	47.6	47.2
80°	168.9	141.7	77.2	77.2	58.8	49.2	46.0	44.0	41.6	37.6	37.6
82.5°	98.0	86.0	54.0	46.8	39.2	34.0	32.0	30.0	30.0	27.2	27.2
85°	47.2	47.6	32.4	28.8	22.4	19.6	18.8	17.6	17.2	15.6	15.2
87.5°	25.6	26.0	16.4	12.8	8.8	7.6	6.4	6.0	5.6	5.2	5.2
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)