

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: P634087

Luminaire Tested: GWS-SA3B-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7647.7 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

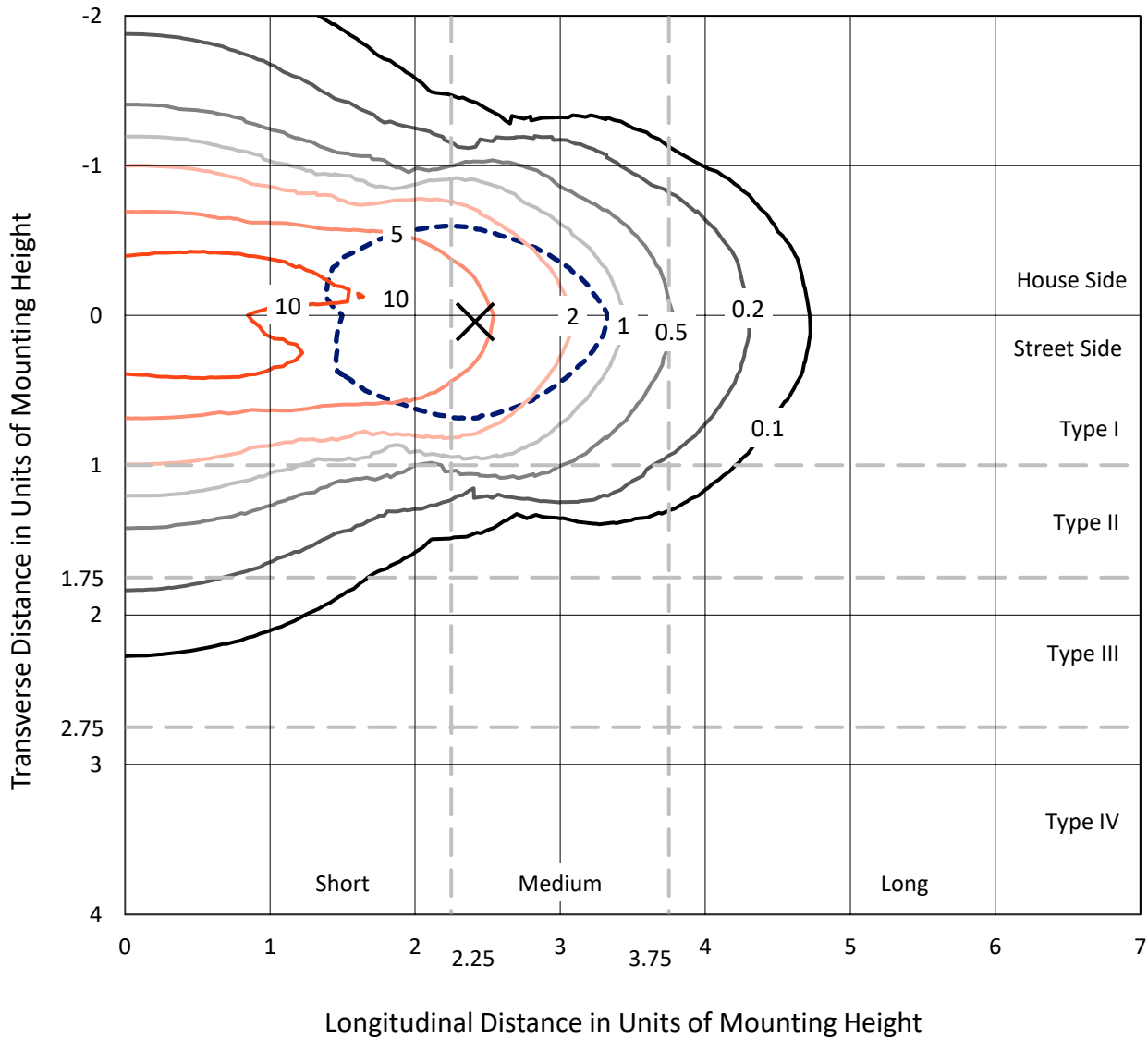
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

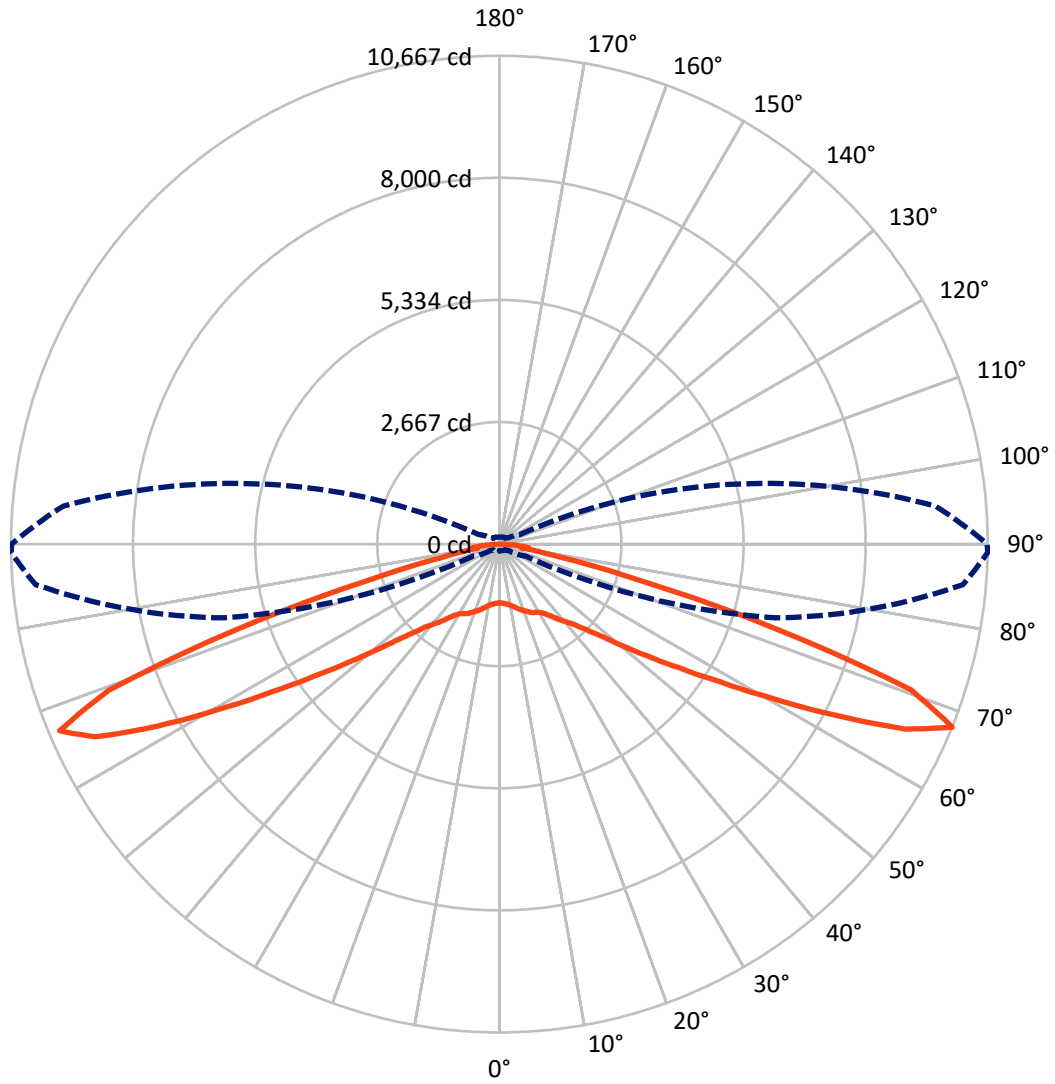
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3790.3	0.0	3790.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3857.4	0.0	3857.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	7647.7	0.0	7647.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	1.7
10°-20°	419.2	5.5
20°-30°	708.7	9.3
30°-40°	972.6	12.7
40°-50°	1240.3	16.2
50°-60°	1556.2	20.3
60°-70°	1876.9	24.5
70°-80°	679.0	8.9
80°-90°	66.0	0.9
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°	7647.7	100.0
0°-180°	7647.7	100.0

Coefficient of Utilization



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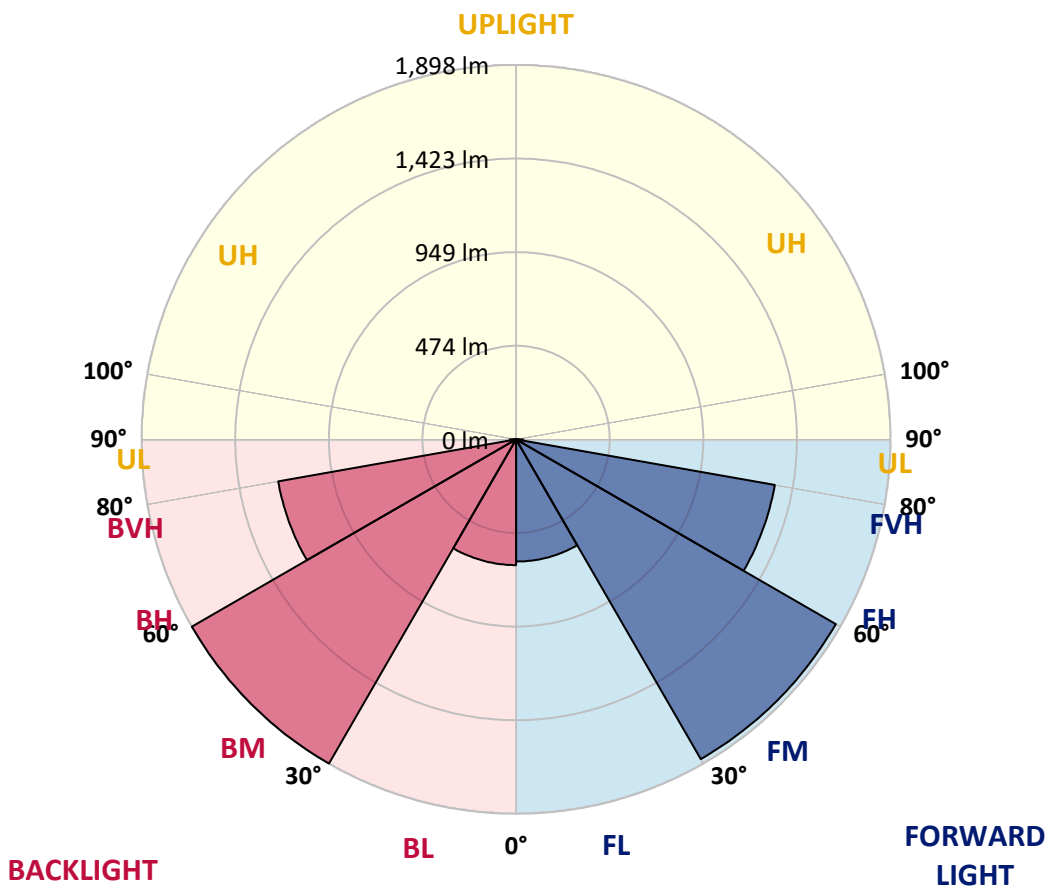
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.4	8.1			
FM (30°-60°)	1871.5	24.5			
FH (60°-80°)	1331.6	17.4			G1/1800
FVH (80°-90°)	34.8	0.5			G1/100
BL (0°-30°)	637.3	8.3	B2/1000		
BM (30°-60°)	1897.6	24.8	B2/2500		
BH (60°-80°)	1224.3	16.0	B3/2500		G3/2500
BVH (80°-90°)	31.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1287.4	1286.4	1283.6	1291.8	1290.2	1290.7	1294.0	1291.8	1288.0	1281.4	1290.7
5°	1323.7	1323.2	1317.1	1322.1	1316.6	1312.7	1312.2	1306.7	1302.3	1295.1	1305.0
7.5°	1358.9	1358.3	1353.4	1362.1	1357.8	1353.4	1348.4	1337.4	1327.0	1316.6	1327.5
10°	1385.8	1385.2	1384.1	1396.8	1397.8	1399.5	1397.3	1378.6	1360.5	1347.9	1358.9
12.5°	1401.1	1402.8	1405.5	1428.6	1440.1	1451.1	1453.9	1438.5	1408.3	1390.2	1403.3
15°	1390.7	1394.0	1407.7	1449.5	1481.3	1506.1	1516.5	1503.9	1464.9	1434.6	1449.5
17.5°	1340.7	1343.5	1370.4	1434.1	1504.4	1561.5	1578.6	1570.9	1527.5	1490.7	1505.0
20°	1271.5	1277.6	1306.7	1395.7	1500.6	1600.0	1645.6	1642.8	1595.6	1539.0	1556.0
22.5°	1208.9	1216.0	1246.8	1345.1	1474.7	1609.9	1713.1	1720.3	1657.6	1587.3	1601.1
25°	1138.6	1145.2	1184.7	1285.3	1430.3	1602.2	1770.8	1803.2	1728.0	1642.8	1655.4
27.5°	1066.6	1071.6	1110.6	1217.7	1372.0	1587.9	1816.4	1894.4	1797.2	1681.3	1690.1
30°	1003.5	1010.1	1045.8	1150.1	1308.3	1559.3	1853.7	1991.6	1876.8	1724.7	1731.8
32.5°	942.5	948.0	987.0	1083.7	1240.8	1515.4	1887.2	2105.8	1994.9	1805.4	1805.4
35°	865.6	875.5	919.4	1020.0	1177.0	1457.2	1911.4	2238.8	2156.4	1924.6	1925.1
37.5°	794.8	800.3	846.4	948.0	1110.0	1391.3	1913.6	2376.6	2360.7	2076.2	2077.3
40°	714.0	721.2	770.6	871.1	1033.1	1322.1	1892.7	2505.1	2574.9	2232.2	2226.1
42.5°	632.2	642.6	689.9	788.2	950.2	1237.5	1837.3	2627.6	2846.8	2412.9	2398.0
45°	553.1	559.7	606.9	699.7	855.2	1136.4	1748.3	2745.2	3169.7	2687.5	2666.1
47.5°	464.1	466.9	515.7	604.7	756.9	1023.8	1620.8	2850.1	3524.6	3051.1	3014.3
50°	385.0	388.9	427.3	503.7	636.6	890.3	1462.1	2911.6	3976.6	3547.1	3483.4
52.5°	311.4	315.3	346.0	407.0	526.2	738.2	1265.5	2897.3	4435.2	4162.8	4070.0
55°	251.6	254.3	275.2	323.0	414.1	587.2	1033.1	2769.3	4944.4	4966.9	4767.0
57.5°	212.6	213.7	227.9	257.1	323.5	452.6	797.5	2467.2	5478.3	5992.9	5664.4
60°	190.0	190.6	197.2	215.3	255.4	345.5	584.4	1986.1	6031.3	7276.5	6826.1
62.5°	175.8	175.8	181.3	191.7	212.0	265.8	429.5	1426.4	6428.5	8673.3	8225.6
65°	162.0	162.0	165.9	174.7	185.6	217.0	322.4	920.0	6623.4	9841.0	9741.6
67.5°	144.5	145.0	147.7	157.1	167.0	181.3	244.4	622.3	6218.6	10163.9	10667.0
70°	128.0	128.5	132.4	138.4	146.7	156.5	191.1	429.0	4526.4	8465.1	9537.8
72.5°	109.9	112.0	114.8	121.4	126.3	133.5	156.0	277.9	2633.7	5445.3	6304.9
75°	90.1	92.8	96.1	102.7	106.0	108.8	128.5	198.3	1267.1	2759.4	3142.3
77.5°	69.8	72.5	76.3	82.4	84.6	87.9	98.3	143.4	606.9	1223.2	1318.8
80°	46.7	47.8	51.1	58.2	62.1	64.3	72.5	97.8	263.6	491.0	486.6
82.5°	28.6	29.1	30.2	34.6	36.3	38.4	47.2	59.9	125.8	558.0	639.9
85°	10.4	9.9	9.3	12.1	14.3	16.5	22.0	30.2	54.9	383.4	429.0
87.5°	0.0	0.0	0.0	0.5	1.1	1.1	2.2	4.4	13.2	143.4	98.3
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°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1288.0	1282.0	1289.6	1295.1	1307.2	1311.6	1312.7	1308.9	1308.9	1302.3	1303.4
5°	1302.8	1299.0	1311.6	1321.0	1338.5	1345.1	1349.5	1346.8	1348.4	1344.0	1345.1
7.5°	1325.3	1322.1	1344.0	1362.1	1380.3	1388.0	1391.8	1389.6	1390.2	1384.7	1386.3
10°	1356.7	1357.8	1384.1	1407.7	1431.9	1439.6	1441.2	1434.6	1429.2	1419.3	1419.8
12.5°	1399.5	1405.0	1442.3	1468.7	1493.4	1504.4	1492.3	1468.2	1445.6	1428.6	1426.4
15°	1446.2	1456.1	1509.9	1543.4	1570.3	1564.8	1529.1	1474.7	1430.3	1405.0	1400.0
17.5°	1502.2	1517.0	1584.6	1624.7	1647.8	1612.6	1537.9	1456.6	1394.6	1360.5	1353.9
20°	1554.9	1578.6	1663.7	1715.9	1718.6	1639.5	1534.1	1419.8	1341.8	1300.1	1291.3
22.5°	1603.3	1633.5	1746.6	1813.1	1777.4	1651.6	1510.4	1367.6	1278.1	1229.2	1221.5
25°	1656.0	1698.8	1843.3	1905.4	1836.2	1646.7	1461.0	1302.8	1201.2	1151.2	1145.7
27.5°	1692.2	1746.1	1940.5	1999.8	1884.5	1618.6	1397.3	1232.0	1130.9	1083.7	1076.0
30°	1734.0	1802.6	2047.6	2102.5	1914.1	1577.5	1329.2	1166.1	1065.6	1014.5	1009.0
32.5°	1809.8	1896.0	2180.5	2211.3	1923.5	1526.4	1263.8	1102.4	997.4	946.4	938.7
35°	1931.7	2032.8	2367.3	2332.7	1916.3	1470.4	1201.8	1027.7	927.7	879.9	872.2
37.5°	2085.5	2211.3	2575.4	2442.0	1896.6	1408.8	1128.2	965.0	865.1	816.7	812.3
40°	2228.9	2383.8	2808.9	2536.5	1856.5	1333.0	1057.3	899.7	797.5	746.4	736.5
42.5°	2408.5	2614.4	3079.1	2618.3	1790.6	1242.4	977.7	818.9	712.9	666.8	654.7
45°	2681.5	2937.4	3393.3	2696.8	1692.2	1130.9	877.7	720.6	620.1	572.9	563.5
47.5°	3022.0	3341.1	3733.8	2743.5	1542.9	1013.4	764.6	616.8	516.3	463.0	458.6
50°	3500.4	3928.3	4099.1	2735.3	1375.9	873.9	637.1	493.2	409.2	370.7	364.7
52.5°	4083.1	4665.4	4494.0	2636.4	1198.5	715.1	496.5	387.2	324.6	297.1	292.2
55°	4814.2	5548.0	4909.8	2424.4	974.4	547.6	390.0	305.4	262.5	246.1	243.9
57.5°	5719.4	6691.0	5310.2	2067.4	732.7	418.0	300.4	252.1	231.8	221.9	221.3
60°	6914.0	7904.3	5657.9	1606.6	524.5	319.7	248.3	225.2	209.3	202.7	202.1
62.5°	8334.4	9006.1	5874.3	1094.1	394.4	254.9	218.6	204.3	195.0	191.1	190.6
65°	9794.3	9702.6	5771.0	716.8	299.3	216.4	196.1	188.4	180.2	176.3	176.3
67.5°	10656.6	9555.4	4978.4	497.6	237.3	190.0	176.9	169.7	156.0	152.7	152.7
70°	9438.9	7742.8	3263.1	364.2	192.2	166.4	153.8	143.9	138.4	135.1	134.6
72.5°	6242.8	5038.3	1735.1	252.7	160.4	141.7	130.2	126.3	119.7	116.4	115.9
75°	3107.1	2646.3	889.2	182.4	133.5	113.7	108.8	107.1	101.6	97.2	96.1
77.5°	1295.1	1178.1	414.7	132.4	101.6	91.7	87.3	87.3	81.3	76.3	74.1
80°	488.3	435.0	196.1	90.6	75.2	68.1	65.4	63.2	58.2	52.2	48.9
82.5°	653.1	426.8	96.1	56.6	49.4	43.9	40.1	38.4	35.7	33.0	30.8
85°	422.9	303.2	43.4	29.1	24.7	18.7	16.5	15.4	13.7	12.1	11.0
87.5°	86.2	101.6	13.2	5.5	3.3	1.6	1.6	0.5	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)