

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: P630952

Luminaire Tested: GWS-SA1E-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630952
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-SA1E-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7631 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

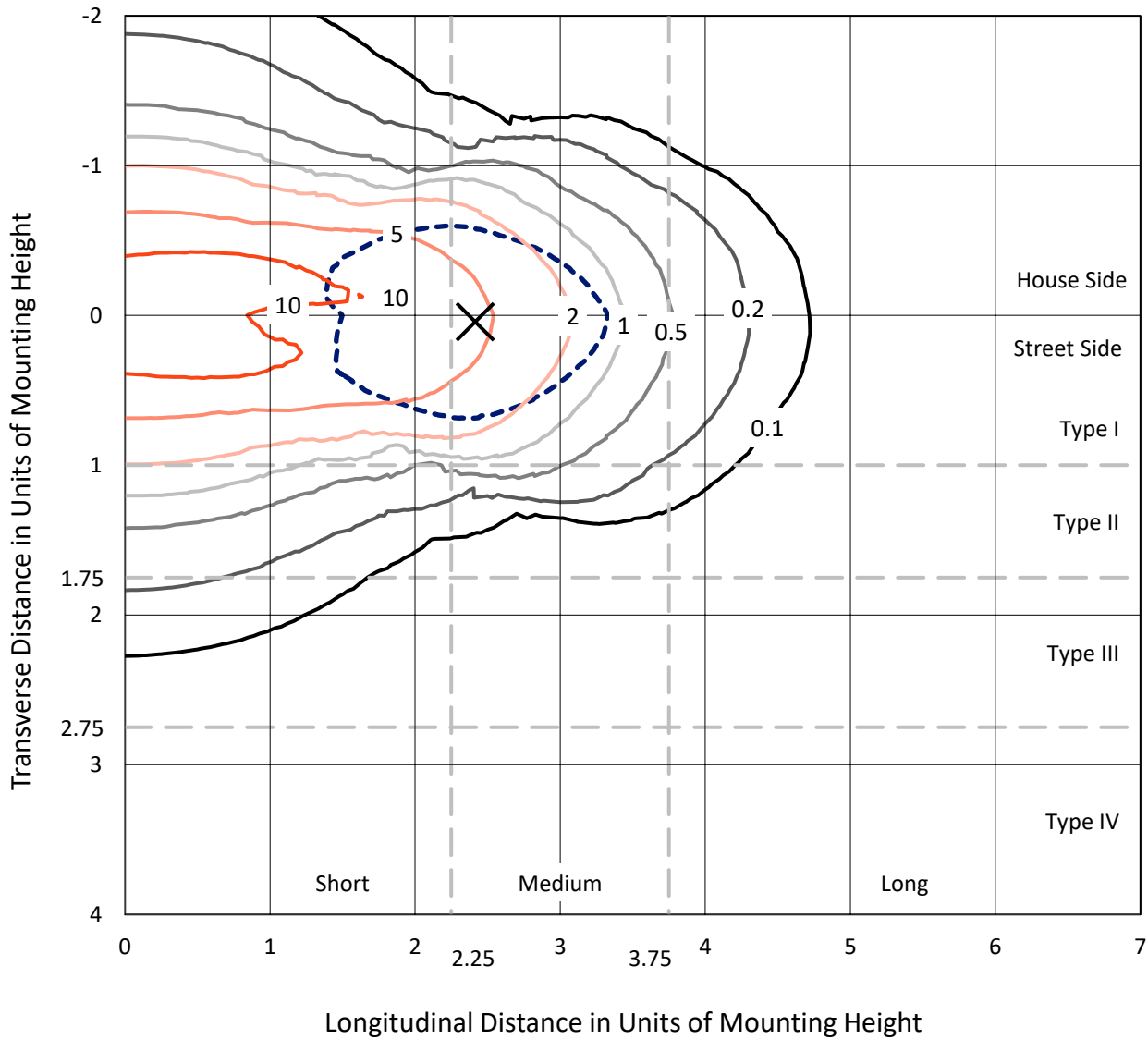
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

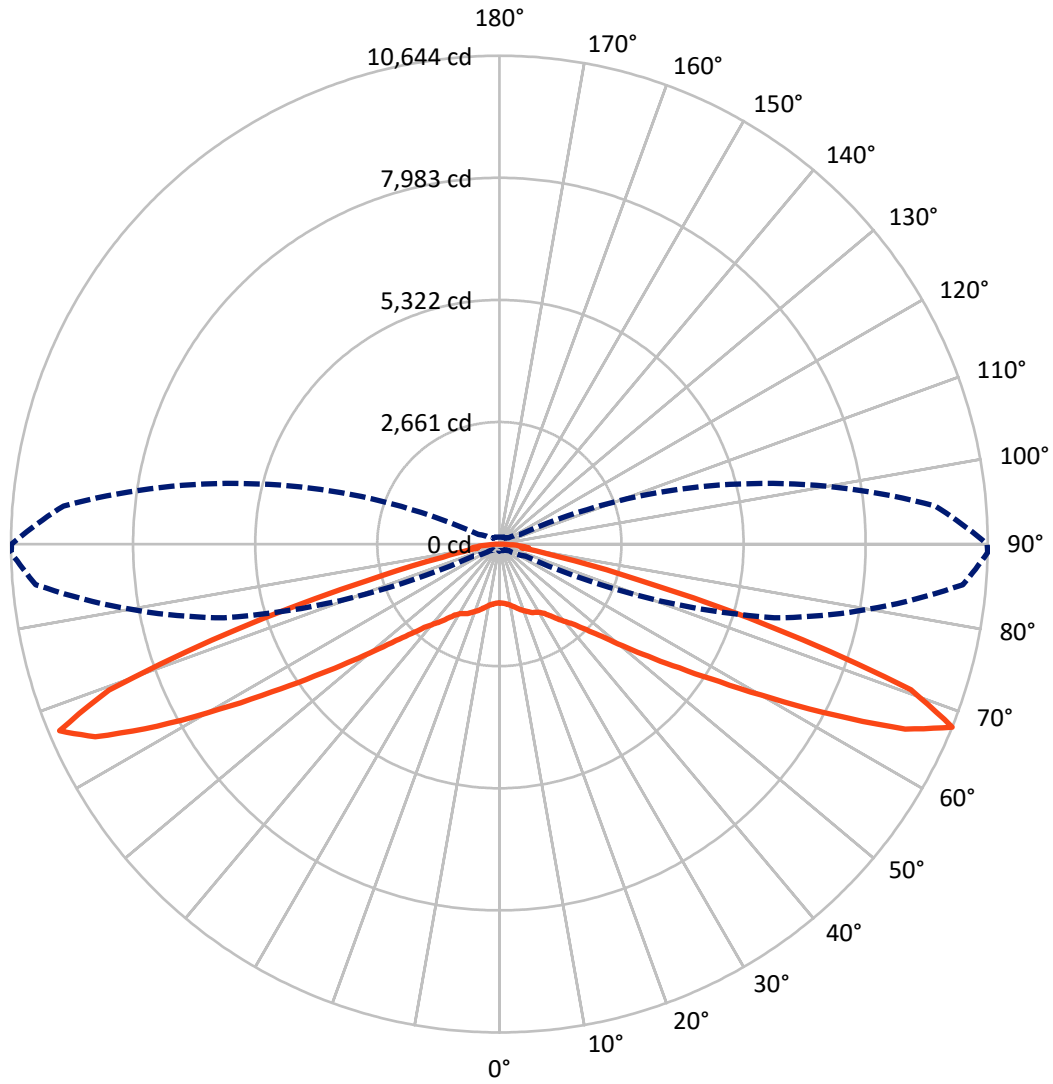
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 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	3782.1	0.0	3782.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3848.9	0.0	3848.9
	% Fixture	50.4	0.0	50.4
Total	Lumens	7631.0	0.0	7631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	1.7
10°-20°	418.3	5.5
20°-30°	707.2	9.3
30°-40°	970.5	12.7
40°-50°	1237.6	16.2
50°-60°	1552.8	20.3
60°-70°	1872.8	24.5
70°-80°	677.5	8.9
80°-90°	65.9	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°	7631.0	100.0
0°-180°	7631.0	100.0

Coefficient of Utilization



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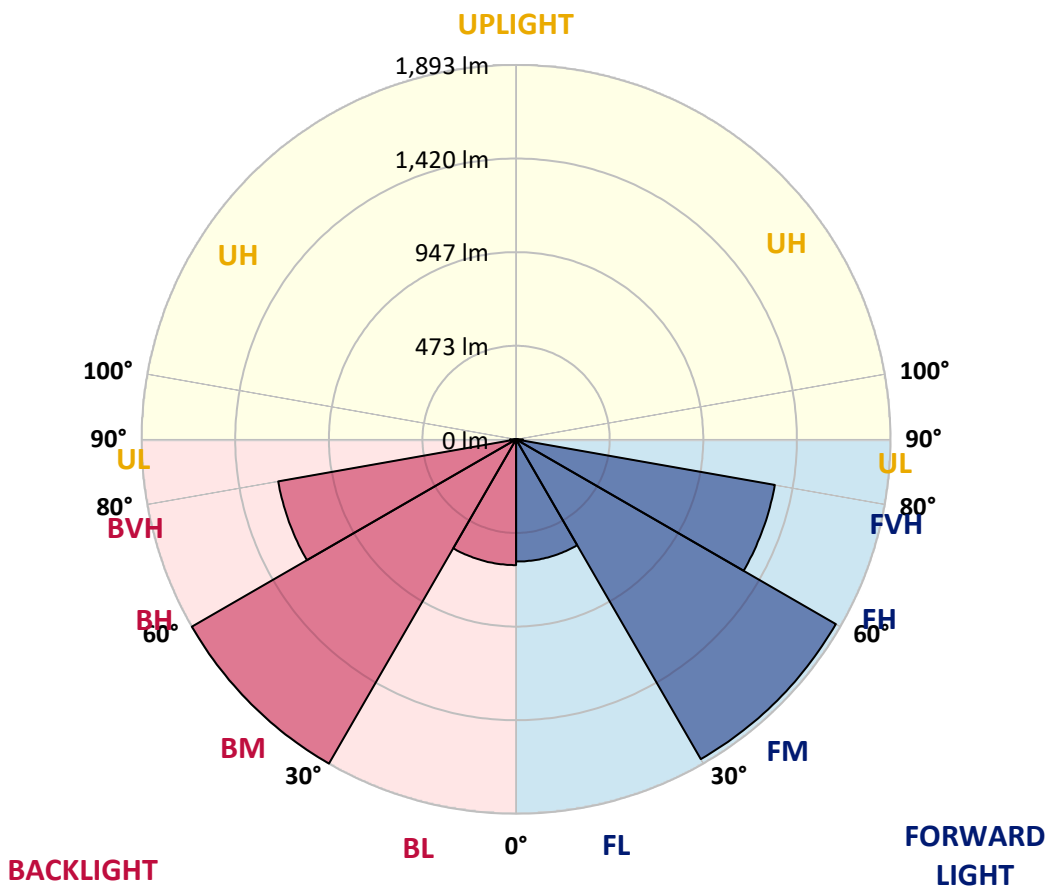
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.1	8.1			
FM (30°-60°)	1867.5	24.5			
FH (60°-80°)	1328.7	17.4			G1/1800
FVH (80°-90°)	34.8	0.5			G1/100
BL (0°-30°)	635.9	8.3	B2/1000		
BM (30°-60°)	1893.4	24.8	B2/2500		
BH (60°-80°)	1221.6	16.0	B3/2500		G3/2500
BVH (80°-90°)	31.1	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°	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8
2.5°	1284.6	1283.5	1280.8	1289.0	1287.4	1287.9	1291.2	1289.0	1285.2	1278.6	1287.9
5°	1320.8	1320.3	1314.2	1319.2	1313.7	1309.8	1309.3	1303.8	1299.4	1292.3	1302.2
7.5°	1355.9	1355.3	1350.4	1359.2	1354.8	1350.4	1345.5	1334.5	1324.1	1313.7	1324.6
10°	1382.7	1382.2	1381.1	1393.7	1394.8	1396.4	1394.2	1375.6	1357.5	1344.9	1355.9
12.5°	1398.1	1399.7	1402.5	1425.5	1437.0	1448.0	1450.7	1435.4	1405.2	1387.1	1400.3
15°	1387.7	1391.0	1404.7	1446.3	1478.1	1502.8	1513.2	1500.6	1461.7	1431.5	1446.3
17.5°	1337.8	1340.5	1367.4	1431.0	1501.1	1558.1	1575.1	1567.4	1524.1	1487.4	1501.7
20°	1268.7	1274.8	1303.8	1392.6	1497.3	1596.5	1642.0	1639.2	1592.1	1535.6	1552.6
22.5°	1206.3	1213.4	1244.1	1342.2	1471.5	1606.3	1709.4	1716.5	1654.0	1583.9	1597.6
25°	1136.1	1142.7	1182.2	1282.4	1427.1	1598.7	1766.9	1799.3	1724.2	1639.2	1651.8
27.5°	1064.3	1069.3	1108.2	1215.0	1369.0	1584.4	1812.4	1890.2	1793.2	1677.6	1686.4
30°	1001.3	1007.9	1043.5	1147.6	1305.5	1555.9	1849.7	1987.2	1872.7	1720.9	1728.0
32.5°	940.5	945.9	984.9	1081.3	1238.1	1512.1	1883.1	2101.2	1990.5	1801.5	1801.5
35°	863.7	873.6	917.4	1017.7	1174.5	1454.0	1907.2	2233.9	2151.7	1920.4	1920.9
37.5°	793.0	798.5	844.6	945.9	1107.6	1388.2	1909.4	2371.4	2355.5	2071.6	2072.7
40°	712.5	719.6	768.9	869.2	1030.9	1319.2	1888.6	2499.7	2569.3	2227.3	2221.3
42.5°	630.8	641.2	688.4	786.5	948.1	1234.8	1833.2	2621.9	2840.6	2407.6	2392.8
45°	551.9	558.5	605.6	698.2	853.3	1133.9	1744.5	2739.2	3162.8	2681.6	2660.3
47.5°	463.1	465.8	514.6	603.4	755.2	1021.6	1617.3	2843.9	3516.9	3044.4	3007.7
50°	384.2	388.0	426.4	502.6	635.2	888.4	1458.9	2905.2	3967.9	3539.3	3475.8
52.5°	310.7	314.6	345.3	406.1	525.0	736.6	1262.7	2891.0	4425.5	4153.7	4061.1
55°	251.0	253.7	274.6	322.3	413.2	585.9	1030.9	2763.3	4933.6	4956.1	4756.6
57.5°	212.1	213.2	227.4	256.5	322.8	451.6	795.8	2461.9	5466.3	5979.8	5652.1
60°	189.6	190.2	196.8	214.8	254.8	344.7	583.1	1981.8	6018.2	7260.6	6811.2
62.5°	175.4	175.4	180.9	191.3	211.5	265.3	428.6	1423.3	6414.4	8654.3	8207.7
65°	161.7	161.7	165.5	174.3	185.2	216.5	321.7	918.0	6609.0	9819.5	9720.3
67.5°	144.1	144.7	147.4	156.7	166.6	180.9	243.9	620.9	6205.1	10141.7	10643.8
70°	127.7	128.2	132.1	138.1	146.3	156.2	190.7	428.0	4516.5	8446.6	9517.0
72.5°	109.6	111.8	114.5	121.1	126.1	133.2	155.6	277.3	2627.9	5433.4	6291.1
75°	89.9	92.6	95.9	102.5	105.8	108.5	128.2	197.8	1264.4	2753.4	3135.4
77.5°	69.6	72.3	76.2	82.2	84.4	87.7	98.1	143.0	605.6	1220.5	1315.9
80°	46.6	47.7	51.0	58.1	61.9	64.1	72.3	97.6	263.1	490.0	485.6
82.5°	28.5	29.0	30.1	34.5	36.2	38.4	47.1	59.7	125.5	556.8	638.5
85°	10.4	9.9	9.3	12.1	14.2	16.4	21.9	30.1	54.8	382.5	428.0
87.5°	0.0	0.0	0.0	0.5	1.1	1.1	2.2	4.4	13.2	143.0	98.1
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°	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8	1280.8
2.5°	1285.2	1279.2	1286.8	1292.3	1304.4	1308.8	1309.8	1306.0	1306.0	1299.4	1300.5
5°	1300.0	1296.1	1308.8	1318.1	1335.6	1342.2	1346.6	1343.8	1345.5	1341.1	1342.2
7.5°	1322.5	1319.2	1341.1	1359.2	1377.3	1384.9	1388.8	1386.6	1387.1	1381.6	1383.3
10°	1353.7	1354.8	1381.1	1404.7	1428.8	1436.4	1438.1	1431.5	1426.0	1416.2	1416.7
12.5°	1396.4	1401.9	1439.2	1465.5	1490.2	1501.1	1489.1	1464.9	1442.5	1425.5	1423.3
15°	1443.0	1452.9	1506.6	1540.0	1566.9	1561.4	1525.8	1471.5	1427.1	1401.9	1397.0
17.5°	1498.9	1513.7	1581.1	1621.1	1644.2	1609.1	1534.6	1453.4	1391.5	1357.5	1351.0
20°	1551.5	1575.1	1660.1	1712.1	1714.9	1635.9	1530.7	1416.7	1338.9	1297.2	1288.5
22.5°	1599.8	1629.9	1742.8	1809.1	1773.5	1648.0	1507.1	1364.7	1275.3	1226.5	1218.9
25°	1652.4	1695.1	1839.3	1901.2	1832.1	1643.1	1457.8	1300.0	1198.6	1148.7	1143.2
27.5°	1688.6	1742.3	1936.3	1995.5	1880.4	1615.1	1394.2	1229.3	1128.4	1081.3	1073.6
30°	1730.2	1798.7	2043.1	2098.0	1910.0	1574.0	1326.3	1163.5	1063.2	1012.3	1006.8
32.5°	1805.8	1891.9	2175.8	2206.5	1919.3	1523.0	1261.1	1099.9	995.3	944.3	936.6
35°	1927.5	2028.3	2362.1	2327.6	1912.2	1467.1	1199.1	1025.4	925.7	878.0	870.3
37.5°	2081.0	2206.5	2569.8	2436.6	1892.4	1405.8	1125.7	962.9	863.2	815.0	810.6
40°	2224.0	2378.6	2802.7	2530.9	1852.4	1330.1	1055.0	897.7	795.8	744.8	734.9
42.5°	2403.2	2608.7	3072.4	2612.6	1786.7	1239.7	975.5	817.1	711.4	665.3	653.3
45°	2675.6	2931.0	3385.9	2690.9	1688.6	1128.4	875.8	719.0	618.8	571.6	562.3
47.5°	3015.4	3333.8	3725.7	2737.5	1539.5	1011.2	762.9	615.5	515.2	462.0	457.6
50°	3492.7	3919.7	4090.1	2729.3	1372.9	872.0	635.7	492.2	408.3	369.9	363.9
52.5°	4074.2	4655.2	4484.2	2630.7	1195.9	713.6	495.4	386.4	323.9	296.5	291.6
55°	4803.7	5535.9	4899.1	2419.1	972.2	546.4	389.1	304.7	262.0	245.5	243.3
57.5°	5706.9	6676.4	5298.6	2062.9	731.1	417.1	299.8	251.6	231.3	221.4	220.9
60°	6898.9	7887.0	5645.5	1603.1	523.4	319.0	247.7	224.7	208.8	202.2	201.7
62.5°	8316.2	8986.4	5861.4	1091.7	393.5	254.3	218.1	203.9	194.6	190.7	190.2
65°	9772.9	9681.4	5758.4	715.2	298.7	215.9	195.7	188.0	179.8	175.9	175.9
67.5°	10633.3	9534.5	4967.6	496.5	236.8	189.6	176.5	169.3	155.6	152.4	152.4
70°	9418.3	7725.9	3256.0	363.4	191.8	166.1	153.5	143.6	138.1	134.8	134.3
72.5°	6229.2	5027.3	1731.3	252.1	160.0	141.4	129.9	126.1	119.5	116.2	115.6
75°	3100.3	2640.5	887.3	182.0	133.2	113.4	108.5	106.9	101.4	97.0	95.9
77.5°	1292.3	1175.6	413.8	132.1	101.4	91.5	87.1	87.1	81.1	76.2	74.0
80°	487.2	434.1	195.7	90.4	75.1	68.0	65.2	63.0	58.1	52.1	48.8
82.5°	651.6	425.8	95.9	56.4	49.3	43.8	40.0	38.4	35.6	32.9	30.7
85°	422.0	302.5	43.3	29.0	24.7	18.6	16.4	15.3	13.7	12.1	11.0
87.5°	86.0	101.4	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)