

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: P634600

Luminaire Tested: GWS-SA3C-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9924.9 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

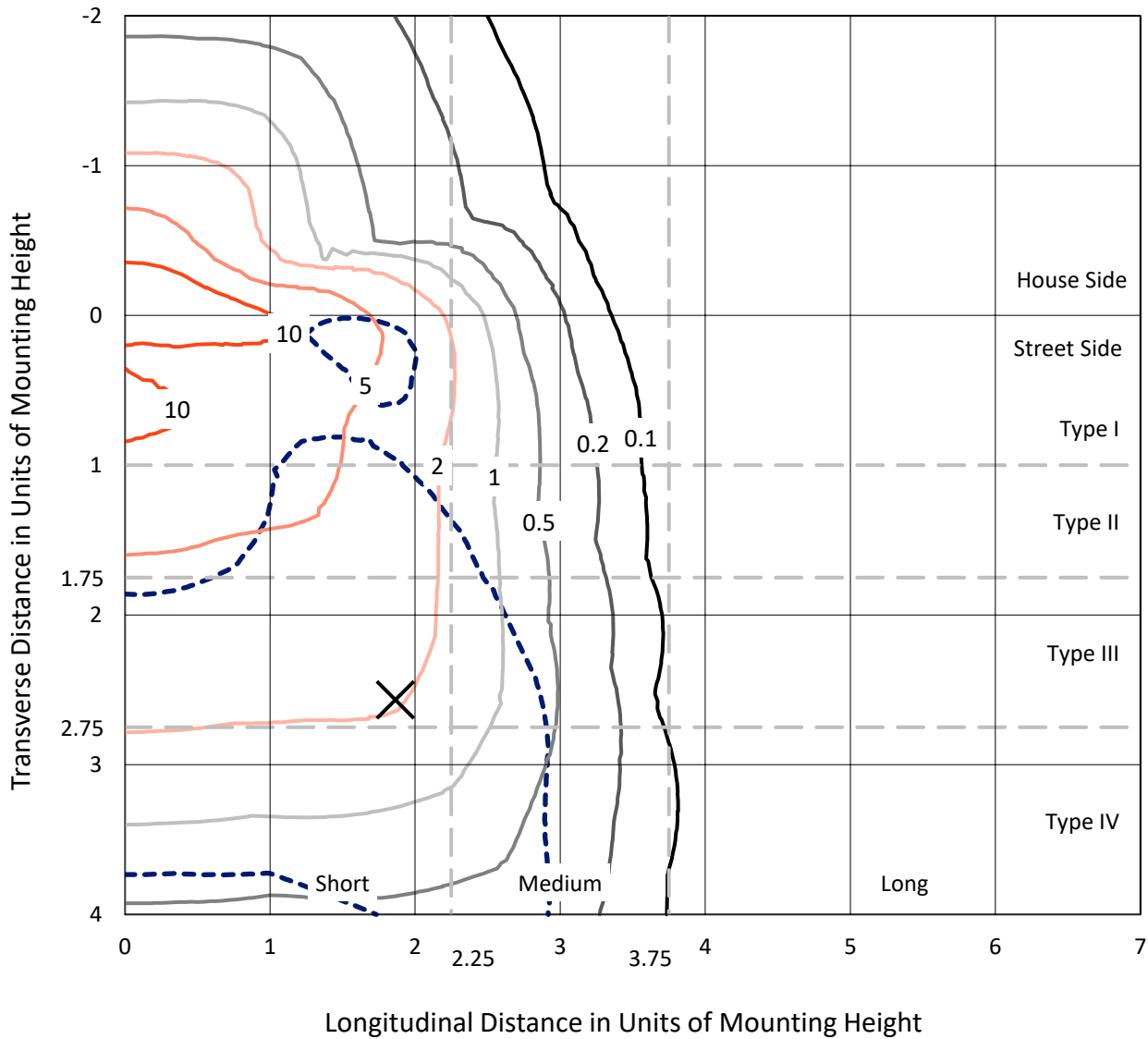
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634600
 CATALOG NUMBER: GWS-SA3C-722-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

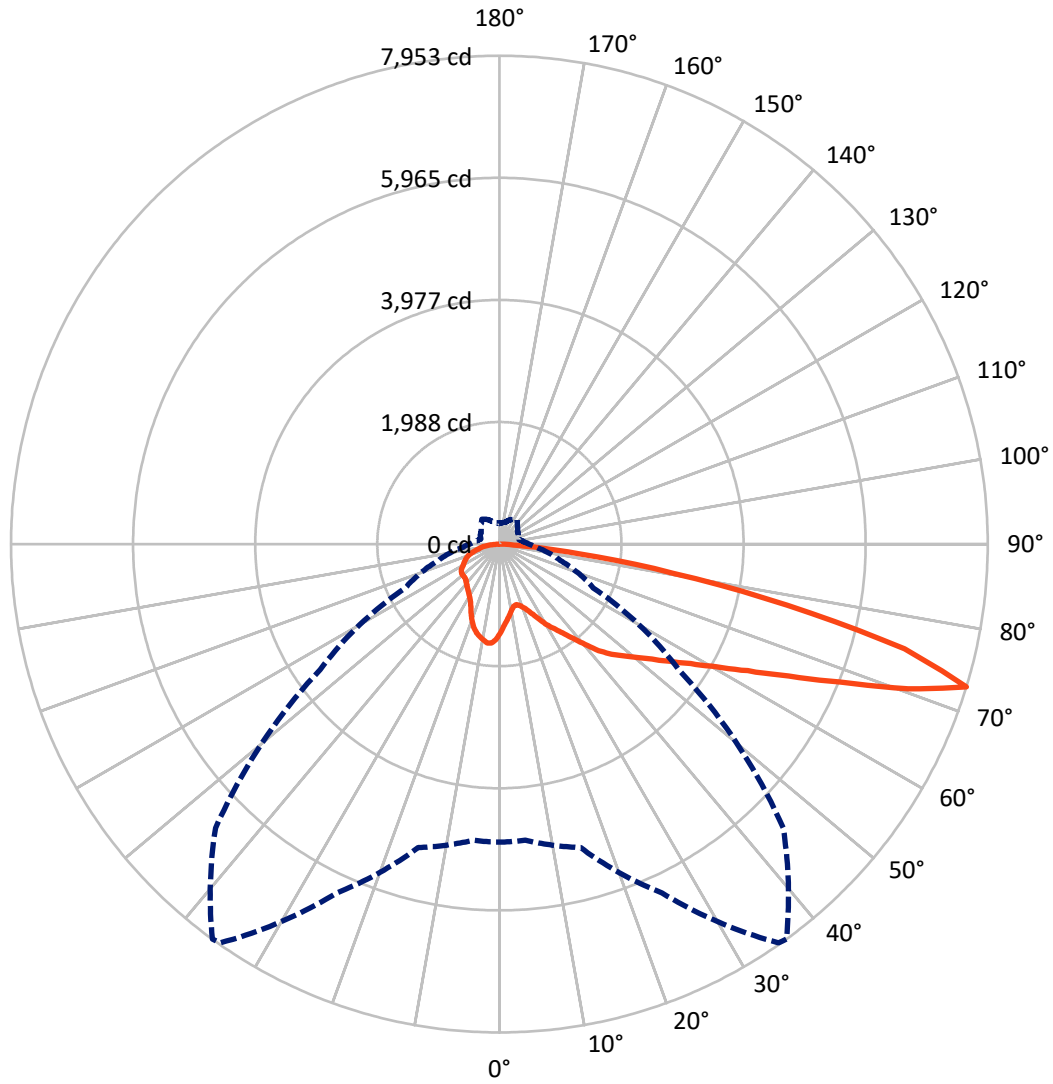
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P634600
CATALOG NUMBER: GWS-SA3C-722-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P634600

CATALOG NUMBER: GWS-SA3C-722-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2288.1	0.0	2288.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	7636.8	0.0	7636.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	9924.9	0.0	9924.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	1.4
10°-20°	383.1	3.9
20°-30°	634.4	6.4
30°-40°	950.1	9.6
40°-50°	1386.1	14.0
50°-60°	1972.8	19.9
60°-70°	2492.5	25.1
70°-80°	1776.1	17.9
80°-90°	193.9	2.0
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°	9924.9	100.0
0°-180°	9924.9	100.0

Coefficient of Utilization



REPORT NUMBER: P634600

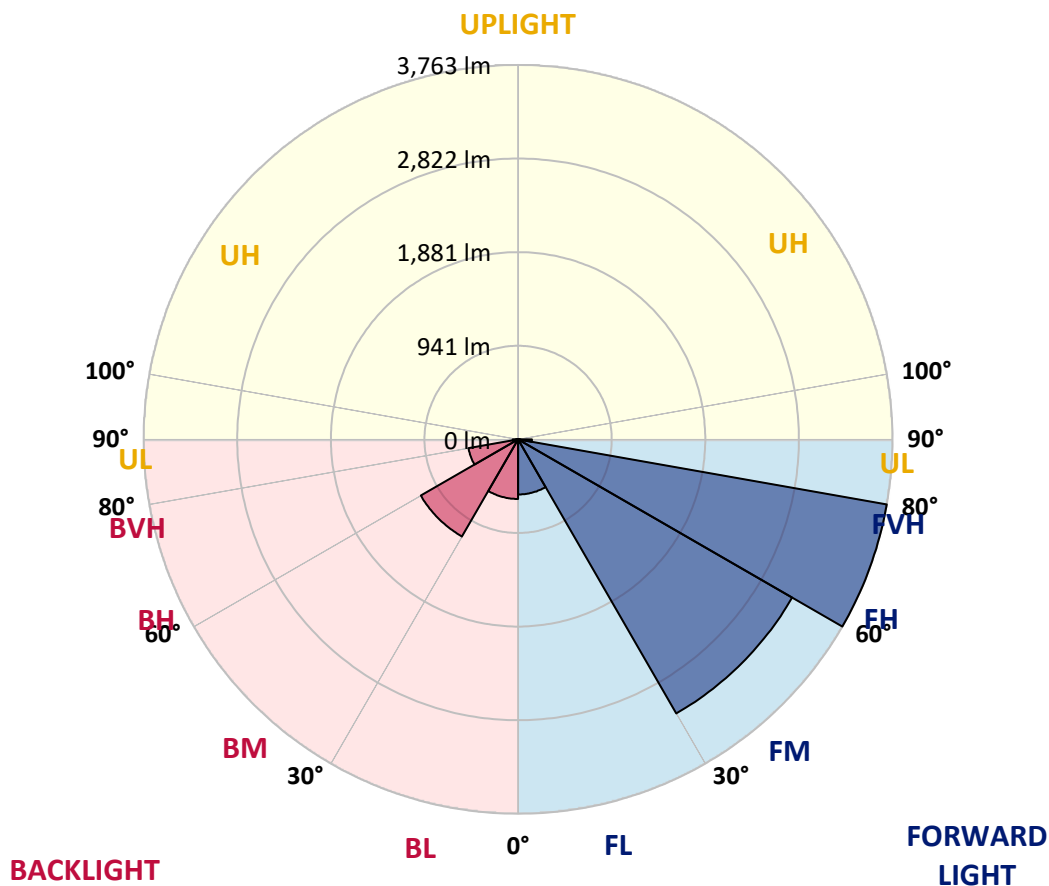
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	554.1	5.6			
FM (30°-60°)	3180.7	32.0			
FH (60°-80°)	3762.9	37.9			G2/5000
FVH (80°-90°)	139.2	1.4			G2/225
BL (0°-30°)	599.2	6.0	B2/1000		
BM (30°-60°)	1128.4	11.4	B2/2500		
BH (60°-80°)	505.8	5.1	B2/1000		G2/1000
BVH (80°-90°)	54.7	0.6			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 IV Short





REPORT NUMBER: P634600

CATALOG NUMBER: GWS-SA3C-722-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6
2.5°	1325.1	1322.9	1318.5	1331.8	1345.0	1343.5	1362.0	1379.6	1398.8	1418.7	1445.2
5°	1219.1	1217.6	1213.9	1233.8	1253.7	1252.9	1283.1	1311.9	1350.9	1393.6	1446.7
7.5°	1113.0	1109.3	1114.5	1139.5	1167.5	1170.4	1211.7	1258.8	1315.5	1379.6	1454.8
10°	1019.4	1018.7	1020.9	1048.9	1090.9	1093.8	1146.9	1212.4	1287.6	1373.0	1473.2
12.5°	995.1	993.7	987.8	1001.8	1033.4	1037.9	1096.0	1176.3	1268.4	1376.7	1498.2
15°	1034.9	1031.2	1010.6	1004.0	1019.4	1023.1	1072.5	1155.0	1257.4	1383.3	1529.9
17.5°	1103.4	1101.2	1062.2	1034.9	1045.2	1048.2	1085.0	1151.3	1254.4	1396.6	1568.9
20°	1203.6	1194.0	1132.9	1091.6	1091.6	1096.0	1118.1	1167.5	1258.1	1412.8	1613.1
22.5°	1336.2	1317.0	1230.8	1174.9	1160.1	1166.0	1175.6	1208.0	1273.6	1440.0	1668.4
25°	1485.0	1467.3	1364.9	1286.1	1265.5	1267.7	1259.6	1265.5	1307.4	1477.6	1736.9
27.5°	1643.3	1631.5	1522.5	1422.4	1389.9	1389.9	1361.2	1347.2	1354.6	1520.3	1813.5
30°	1784.8	1768.6	1676.5	1566.7	1524.0	1524.0	1469.5	1439.3	1421.6	1572.6	1915.9
32.5°	1859.2	1849.6	1788.4	1704.5	1652.2	1644.1	1596.9	1561.6	1520.3	1650.0	2054.3
35°	1956.4	1954.2	1917.3	1851.8	1785.5	1773.7	1741.3	1713.3	1641.9	1746.5	2238.5
37.5°	2078.7	2075.0	2069.1	2030.0	1950.5	1948.3	1919.6	1885.7	1792.9	1885.7	2461.7
40°	2215.7	2209.0	2201.7	2200.9	2153.0	2144.9	2142.7	2104.4	1974.8	2053.6	2694.4
42.5°	2404.2	2381.4	2312.2	2343.1	2378.4	2371.1	2399.1	2341.6	2201.7	2253.2	2914.7
45°	2636.3	2580.3	2443.3	2452.1	2541.2	2556.0	2653.2	2639.2	2451.4	2483.8	3146.7
47.5°	2775.5	2726.9	2599.4	2592.1	2703.3	2721.7	2933.1	2959.6	2720.2	2761.5	3433.2
50°	2889.6	2855.8	2751.2	2761.5	2879.3	2897.7	3210.8	3267.5	2973.6	3045.8	3766.2
52.5°	3027.4	2978.8	2897.7	2946.4	3090.7	3112.8	3519.4	3580.6	3202.0	3358.1	4110.9
55°	3104.7	3084.8	3086.3	3160.7	3341.9	3372.1	3842.8	3832.5	3411.1	3625.5	4370.2
57.5°	3283.0	3275.6	3343.4	3371.4	3635.1	3674.1	4166.1	4077.8	3601.2	3832.5	4494.7
60°	3597.5	3579.1	3638.0	3680.7	3997.5	4052.7	4527.1	4317.9	3730.1	3986.4	4452.7
62.5°	4039.5	4016.6	4018.8	4086.6	4482.9	4541.1	4928.5	4518.2	3769.9	4010.0	4186.8
65°	4588.9	4555.8	4518.2	4610.3	5127.4	5176.0	5365.3	4664.1	3674.8	3783.1	3631.4
67.5°	5168.6	5141.4	5097.2	5290.2	5962.0	5991.4	5855.1	4651.6	3373.6	3176.2	2547.1
70°	5202.5	5209.2	5418.3	6116.6	7051.4	7058.7	6318.5	4399.6	2732.0	2058.8	1269.1
72.5°	4853.4	4842.3	5114.9	6267.6	7927.9	7953.0	6537.2	3564.4	1688.3	1026.8	595.2
75°	3942.2	3961.4	4247.9	5483.9	6795.0	6817.1	5329.2	2101.5	802.1	502.4	380.8
77.5°	1697.1	1803.9	2368.9	3863.4	4866.6	4798.1	2746.7	851.5	428.0	358.0	291.7
80°	489.8	531.8	844.1	1837.1	2916.2	2864.6	1087.2	318.9	298.3	268.9	209.2
82.5°	158.4	175.3	309.4	731.4	1306.7	1305.2	412.5	188.6	195.2	182.7	134.8
85°	44.2	50.8	95.0	221.7	404.4	396.3	119.3	89.1	103.9	105.3	67.0
87.5°	0.0	0.0	0.7	1.5	1.5	1.5	2.9	13.3	30.2	38.3	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634600
 CATALOG NUMBER: GWS-SA3C-722-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6	1452.6
2.5°	1461.4	1459.2	1489.4	1513.0	1535.1	1549.8	1554.2	1557.1	1563.0	1566.0	1563.0
5°	1471.7	1482.8	1532.8	1569.7	1599.1	1616.8	1617.5	1616.1	1620.5	1616.8	1614.6
7.5°	1493.8	1515.2	1578.5	1617.5	1636.7	1637.4	1619.8	1599.1	1588.8	1580.0	1577.0
10°	1523.3	1554.9	1624.2	1650.0	1644.1	1616.8	1577.8	1545.4	1526.9	1513.7	1510.7
12.5°	1563.8	1599.1	1664.7	1664.0	1627.1	1578.5	1532.8	1493.8	1467.3	1451.8	1446.7
15°	1602.1	1647.0	1694.2	1659.5	1601.3	1542.4	1483.5	1431.2	1395.8	1371.5	1367.1
17.5°	1649.2	1697.1	1715.5	1645.5	1568.9	1493.1	1414.3	1345.7	1297.9	1269.1	1266.9
20°	1703.7	1746.5	1725.8	1621.2	1526.9	1427.5	1320.7	1244.1	1192.5	1164.5	1166.8
22.5°	1767.1	1798.0	1728.8	1588.1	1468.8	1334.7	1215.4	1141.7	1107.1	1092.4	1093.1
25°	1834.8	1854.7	1723.6	1543.2	1379.6	1221.3	1107.1	1073.2	1070.3	1066.6	1068.1
27.5°	1915.1	1910.7	1708.1	1479.8	1259.6	1089.4	1031.2	1040.1	1051.8	1050.4	1051.8
30°	2022.7	1980.7	1688.3	1392.2	1116.7	978.9	986.3	1011.3	1026.8	1028.3	1032.7
32.5°	2145.7	2058.0	1656.6	1272.8	980.4	917.1	944.3	974.5	992.9	996.6	1002.5
35°	2292.3	2146.4	1600.6	1124.0	882.4	880.2	905.3	925.9	945.8	947.3	947.3
37.5°	2460.9	2234.8	1511.5	959.8	822.0	848.6	872.1	876.5	881.7	877.3	879.5
40°	2615.6	2320.3	1384.8	810.2	772.7	820.6	840.4	825.7	809.5	798.5	800.7
42.5°	2745.3	2378.4	1216.8	705.7	722.6	795.5	811.0	780.8	749.1	728.5	731.4
45°	2891.1	2432.2	1019.4	634.9	679.9	777.8	788.2	749.1	708.6	677.7	673.2
47.5°	3092.2	2542.0	844.1	585.6	649.7	768.3	785.2	732.2	679.1	632.7	627.6
50°	3340.4	2697.4	697.5	553.2	635.7	763.1	784.5	713.8	650.4	595.9	592.2
52.5°	3611.5	2849.1	589.3	528.1	621.7	747.6	780.8	693.1	620.2	561.3	556.9
55°	3792.0	2908.8	516.3	504.6	598.8	723.3	766.1	673.2	574.5	520.8	514.1
57.5°	3845.0	2832.2	465.5	483.2	569.4	689.4	738.1	631.3	546.5	503.8	498.7
60°	3753.7	2639.2	433.9	465.5	537.0	646.0	689.4	606.9	524.5	486.1	482.5
62.5°	3495.9	2341.6	409.5	447.1	503.8	600.3	658.5	577.5	500.1	469.9	464.8
65°	2977.3	1920.3	389.7	428.0	472.2	556.9	624.6	548.0	473.6	450.8	444.9
67.5°	2082.3	1348.7	368.3	405.1	440.5	514.9	589.3	520.8	446.4	429.4	423.5
70°	1018.0	715.2	342.5	378.6	406.6	472.2	553.9	487.6	410.3	400.7	392.6
72.5°	484.7	400.0	312.3	342.5	360.2	415.4	495.0	439.7	367.6	346.9	332.9
75°	324.8	284.3	272.5	299.8	304.2	348.4	424.3	379.3	324.1	300.5	288.7
77.5°	246.0	217.3	229.1	253.4	244.5	286.5	349.1	338.1	292.4	271.1	265.2
80°	173.1	158.4	181.9	196.7	190.0	243.8	314.5	289.5	240.9	217.3	212.9
82.5°	109.0	106.1	134.1	136.3	138.5	193.0	258.5	227.6	187.1	153.9	142.9
85°	54.5	60.4	80.3	80.3	79.6	99.4	147.3	128.2	100.9	80.3	78.1
87.5°	18.4	25.8	34.6	28.0	21.4	16.9	19.2	23.6	25.0	24.3	24.3
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)