

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: P631294

Luminaire Tested: GWS-SA1F-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8315.1 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

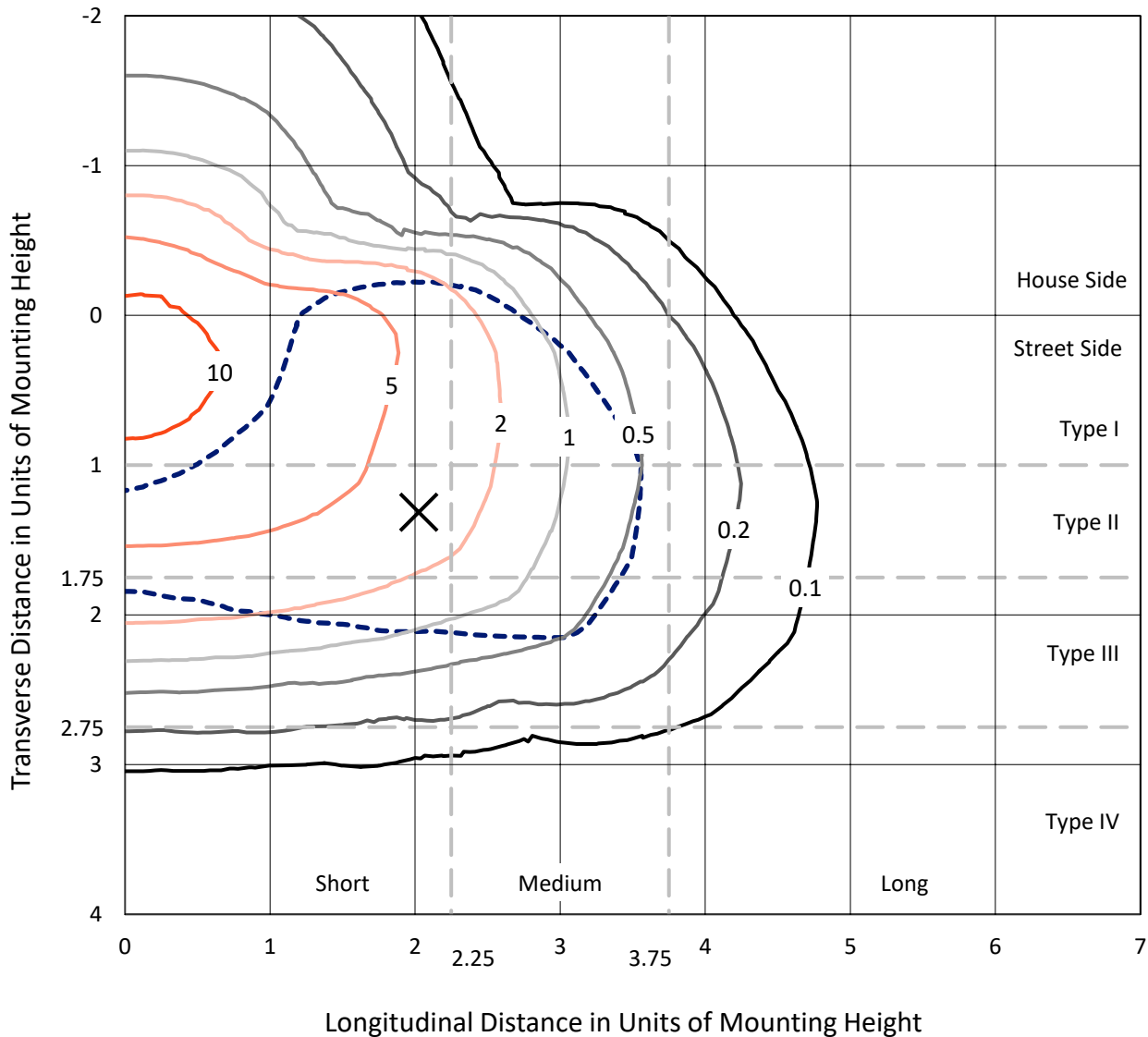
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631294
 CATALOG NUMBER: GWS-SA1F-735-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

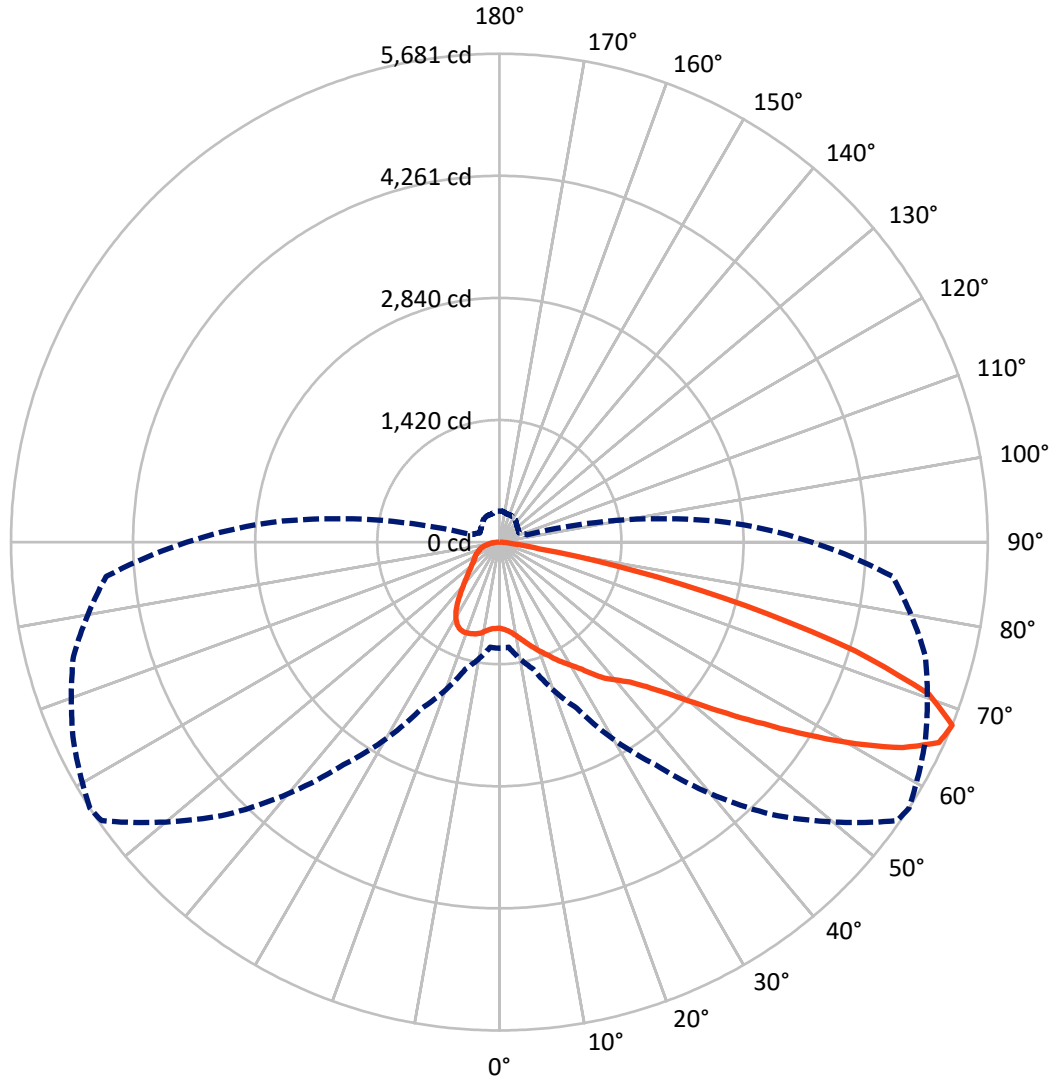
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

REPORT NUMBER: P631294
CATALOG NUMBER: GWS-SA1F-735-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631294

CATALOG NUMBER: GWS-SA1F-735-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1828.2	0.0	1828.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6486.9	0.0	6486.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	8315.1	0.0	8315.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	1.2
10°-20°	329.0	4.0
20°-30°	586.5	7.1
30°-40°	852.7	10.3
40°-50°	1234.1	14.8
50°-60°	1931.3	23.2
60°-70°	2253.0	27.1
70°-80°	940.5	11.3
80°-90°	88.8	1.1
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°	8315.1	100.0
0°-180°	8315.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631294

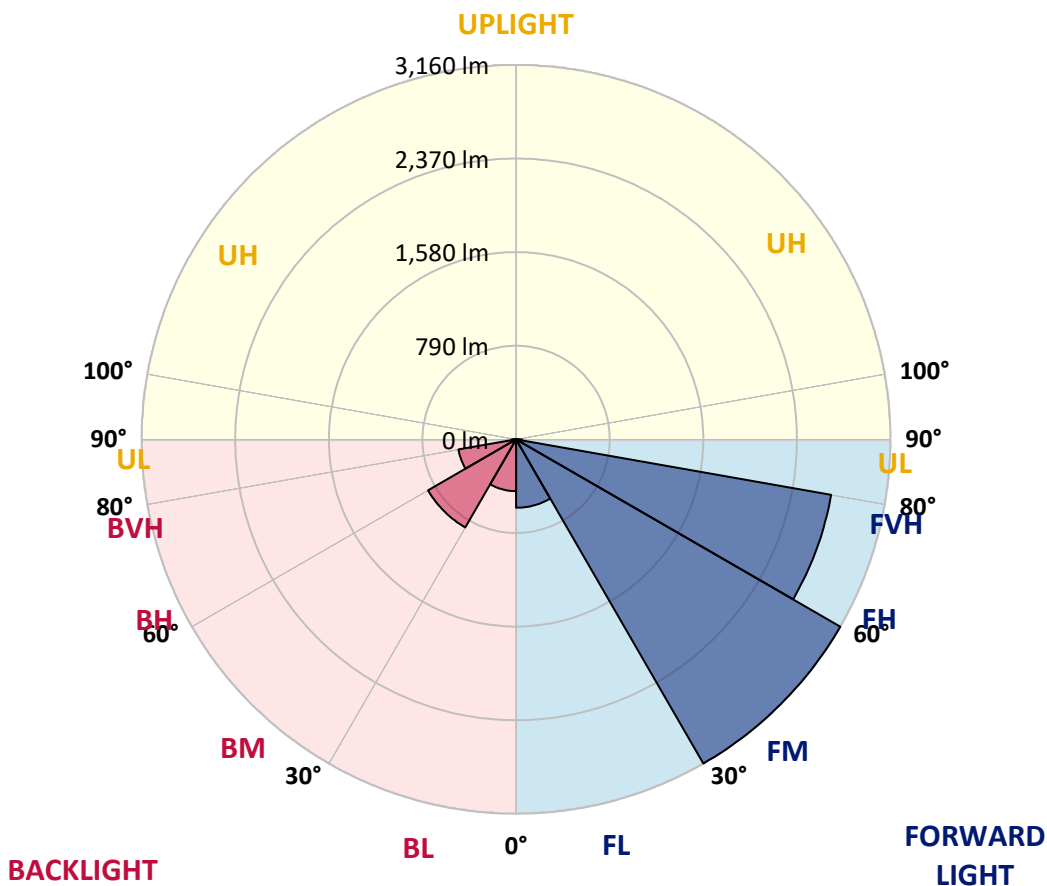
CATALOG NUMBER: GWS-SA1F-735-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.6	6.9			
FM (30°-60°)	3159.9	38.0			
FH (60°-80°)	2700.1	32.5			G2/5000
FVH (80°-90°)	49.4	0.6			G1/100
BL (0°-30°)	437.2	5.3	B1/500		
BM (30°-60°)	858.2	10.3	B1/1000		
BH (60°-80°)	493.4	5.9	B1/500		G1/500
BVH (80°-90°)	39.3	0.5			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 Short





REPORT NUMBER: P631294

CATALOG NUMBER: GWS-SA1F-735-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1016.2	1015.0	1014.4	1018.0	1016.8	1016.2	1016.2	1015.6	1014.4	1009.7	1003.1
5°	1044.2	1041.8	1039.4	1042.4	1040.0	1037.7	1037.1	1035.9	1031.7	1024.5	1014.4
7.5°	1073.4	1071.0	1071.6	1073.4	1071.6	1070.4	1068.6	1067.4	1060.9	1049.6	1035.9
10°	1114.5	1114.5	1115.7	1117.5	1118.1	1116.3	1112.7	1110.9	1103.2	1088.9	1069.8
12.5°	1174.1	1172.9	1172.9	1171.7	1173.5	1171.7	1168.1	1165.1	1155.6	1137.1	1109.7
15°	1252.7	1247.9	1243.8	1236.0	1233.6	1227.1	1228.3	1226.5	1217.5	1192.5	1158.0
17.5°	1336.7	1336.1	1329.5	1314.0	1298.6	1287.8	1290.2	1289.6	1284.9	1250.9	1206.8
20°	1410.5	1413.5	1407.6	1395.6	1374.8	1354.5	1353.4	1356.3	1350.4	1316.4	1255.1
22.5°	1493.3	1491.0	1485.0	1469.5	1454.0	1432.6	1425.4	1423.0	1420.7	1381.9	1304.5
25°	1572.0	1579.1	1571.4	1557.1	1533.2	1510.0	1504.1	1506.4	1499.9	1448.7	1357.5
27.5°	1671.4	1674.4	1669.7	1650.0	1629.7	1597.0	1585.7	1585.7	1583.3	1511.2	1399.2
30°	1777.5	1785.8	1777.5	1761.4	1740.5	1693.5	1669.1	1666.7	1659.5	1575.5	1448.1
32.5°	1884.1	1890.1	1884.1	1868.6	1844.8	1803.7	1768.5	1763.2	1753.6	1645.8	1498.1
35°	1978.8	1984.2	1983.0	1986.6	1966.9	1915.1	1893.6	1891.2	1866.2	1737.6	1566.0
37.5°	2082.5	2089.0	2080.1	2087.2	2079.5	2030.6	2024.1	2012.2	1976.4	1823.9	1637.5
40°	2200.4	2206.4	2192.1	2195.0	2186.1	2158.7	2125.3	2109.3	2056.2	1917.5	1750.1
42.5°	2326.7	2340.4	2346.9	2341.6	2320.7	2305.2	2246.9	2226.6	2182.5	2086.0	1935.3
45°	2509.5	2529.8	2539.3	2525.6	2516.7	2494.7	2423.2	2398.8	2375.5	2323.7	2193.8
47.5°	2706.7	2725.2	2755.6	2761.5	2768.7	2752.0	2651.3	2627.5	2631.7	2625.7	2511.9
50°	2864.0	2879.5	2948.0	3021.2	3082.0	3086.7	2958.1	2932.5	2955.1	2974.2	2894.9
52.5°	2978.3	2992.0	3082.6	3233.9	3371.5	3473.3	3334.5	3305.4	3323.8	3366.7	3330.4
55°	3071.3	3090.3	3185.0	3417.3	3695.5	3856.4	3767.6	3730.7	3722.9	3775.9	3796.8
57.5°	3120.1	3126.1	3258.9	3560.9	3933.2	4232.2	4270.9	4229.2	4155.4	4184.6	4293.0
60°	3008.7	3018.8	3200.5	3597.8	4120.8	4605.1	4799.3	4764.7	4607.5	4623.6	4743.3
62.5°	2700.8	2715.1	2933.7	3422.1	4136.3	4854.1	5287.1	5265.1	5054.2	4967.3	5003.0
65°	2166.4	2171.2	2397.6	2987.3	3828.4	4885.1	5627.3	5621.9	5366.4	5162.7	5009.6
67.5°	1235.4	1227.1	1529.7	2130.7	3159.4	4482.4	5649.3	5680.9	5467.6	5130.5	4592.6
70°	535.5	536.7	676.1	1051.4	2044.9	3622.9	5247.2	5301.4	5174.6	4595.0	3653.8
72.5°	247.8	251.4	311.5	455.1	873.2	2247.5	4278.7	4327.5	4218.5	3677.7	2658.5
75°	175.1	178.1	207.9	260.9	401.5	875.6	2862.2	2964.6	3017.7	2750.8	1751.9
77.5°	132.8	137.0	151.9	181.1	247.8	310.3	1369.4	1613.7	1922.2	1711.4	902.4
80°	84.6	84.6	100.7	120.9	151.3	161.4	395.5	468.8	940.6	705.3	354.4
82.5°	57.2	59.0	68.5	76.8	87.0	91.7	169.8	181.1	271.6	240.1	145.9
85°	30.4	31.6	35.7	35.1	41.7	36.3	71.5	70.9	99.5	109.0	55.4
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	7.7	8.3	20.8	33.4	18.5
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: P631294
 CATALOG NUMBER: GWS-SA1F-735-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1006.7	999.5	1003.1	1001.9	1005.5	1005.5	998.9	997.1	997.7	990.6	988.2
5°	1015.6	1007.3	1009.1	1006.7	1010.3	1013.2	1010.3	1010.3	1013.8	1008.5	1005.5
7.5°	1035.9	1026.3	1026.3	1023.4	1027.5	1029.9	1027.5	1031.1	1037.7	1032.3	1029.3
10°	1068.0	1056.7	1057.3	1053.7	1055.5	1054.3	1044.8	1041.8	1043.6	1038.8	1036.5
12.5°	1109.7	1094.2	1094.2	1087.1	1082.9	1070.4	1050.8	1043.6	1044.8	1040.6	1038.8
15°	1149.6	1135.3	1132.4	1118.1	1099.0	1075.8	1057.9	1053.1	1054.3	1050.2	1047.2
17.5°	1196.7	1178.2	1167.5	1141.3	1106.2	1082.3	1064.5	1053.1	1043.6	1034.1	1031.7
20°	1240.2	1216.9	1197.3	1156.8	1113.9	1081.1	1047.8	1019.8	996.6	984.0	981.1
22.5°	1284.9	1255.1	1220.5	1167.5	1113.3	1059.7	998.3	956.0	921.5	903.0	906.6
25°	1327.1	1289.6	1242.6	1177.6	1094.2	1012.0	928.6	865.5	826.2	811.9	807.7
27.5°	1362.3	1315.8	1262.8	1172.9	1054.9	943.5	833.3	763.1	724.9	708.8	704.7
30°	1401.6	1349.2	1292.0	1150.8	993.0	847.6	725.5	668.3	640.9	625.5	626.0
32.5°	1446.9	1392.1	1333.1	1108.5	913.8	744.0	636.8	597.5	575.4	559.9	557.5
35°	1507.6	1453.4	1360.5	1044.8	813.1	648.7	576.0	543.8	516.4	496.2	492.0
37.5°	1582.7	1545.8	1363.5	959.6	705.3	583.2	532.5	498.0	464.6	437.8	434.8
40°	1711.4	1669.1	1339.1	853.0	613.5	540.9	496.2	456.3	417.6	387.8	383.6
42.5°	1894.8	1807.9	1286.6	732.7	544.4	507.5	461.6	411.0	371.7	350.8	347.9
45°	2128.3	1962.7	1208.0	619.5	493.2	474.7	425.3	372.3	351.4	336.6	333.6
47.5°	2414.2	2143.2	1117.5	531.3	453.3	445.0	388.4	359.2	340.7	328.2	325.2
50°	2756.2	2373.1	1043.0	462.2	417.6	410.4	376.5	351.4	336.6	326.4	324.0
52.5°	3146.3	2628.7	1006.7	412.8	386.6	379.4	372.3	349.7	337.1	329.4	326.4
55°	3551.4	2897.9	972.7	374.7	360.4	364.5	372.9	355.6	346.1	336.0	333.0
57.5°	3942.7	3150.5	889.3	344.9	341.3	357.4	375.9	361.6	350.3	340.1	336.6
60°	4212.6	3288.7	748.2	321.1	327.0	348.5	368.1	352.6	338.3	334.2	332.4
62.5°	4285.2	3272.0	580.8	296.6	309.7	328.8	347.9	337.7	322.9	329.4	330.0
65°	4115.5	3093.3	436.0	272.8	287.1	303.2	327.0	322.9	317.5	335.4	336.0
67.5°	3634.8	2654.3	332.4	252.0	263.9	283.5	320.5	337.7	338.9	361.6	359.2
70°	2750.2	1983.0	260.3	232.3	246.0	283.5	341.3	349.1	334.8	355.6	350.8
72.5°	1901.4	1308.7	221.6	215.0	224.0	270.4	340.7	340.7	325.2	325.2	316.3
75°	1181.2	769.6	193.0	193.0	193.0	236.5	331.2	313.9	286.5	274.0	266.9
77.5°	583.2	374.1	162.0	168.0	161.4	197.8	270.4	256.7	240.1	226.9	222.2
80°	249.0	187.0	131.0	137.6	129.9	148.9	214.4	211.5	195.4	178.1	172.7
82.5°	114.4	96.5	104.8	107.8	94.7	112.0	156.7	156.7	147.7	123.9	115.0
85°	48.8	51.2	72.7	72.7	59.6	63.1	84.0	79.8	71.5	58.4	53.6
87.5°	16.7	25.0	36.9	32.2	12.5	5.4	3.0	1.2	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)