

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: P631410

Luminaire Tested: GWS-SA1F-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631410
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-SA1F-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8324.2 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

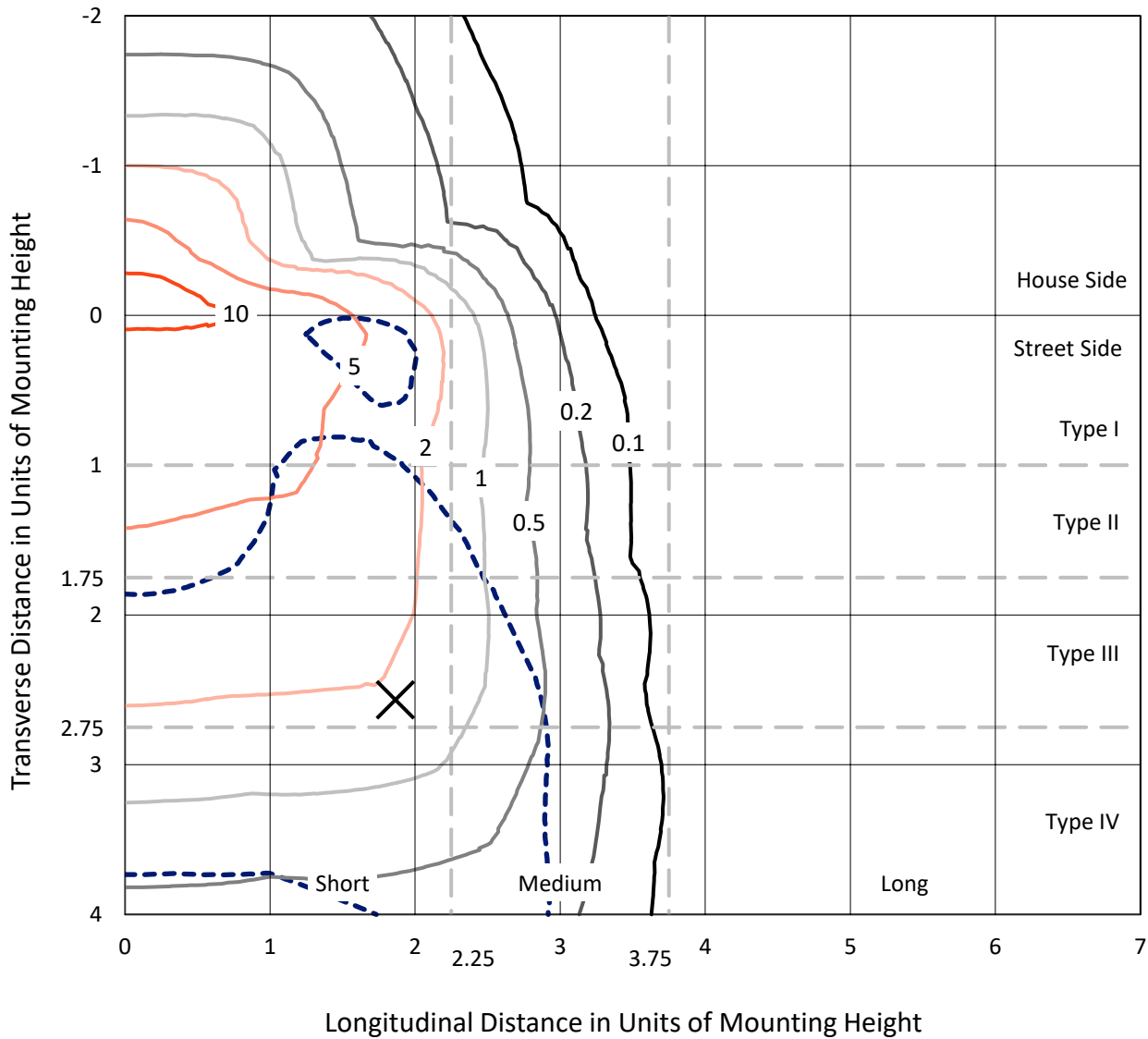
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

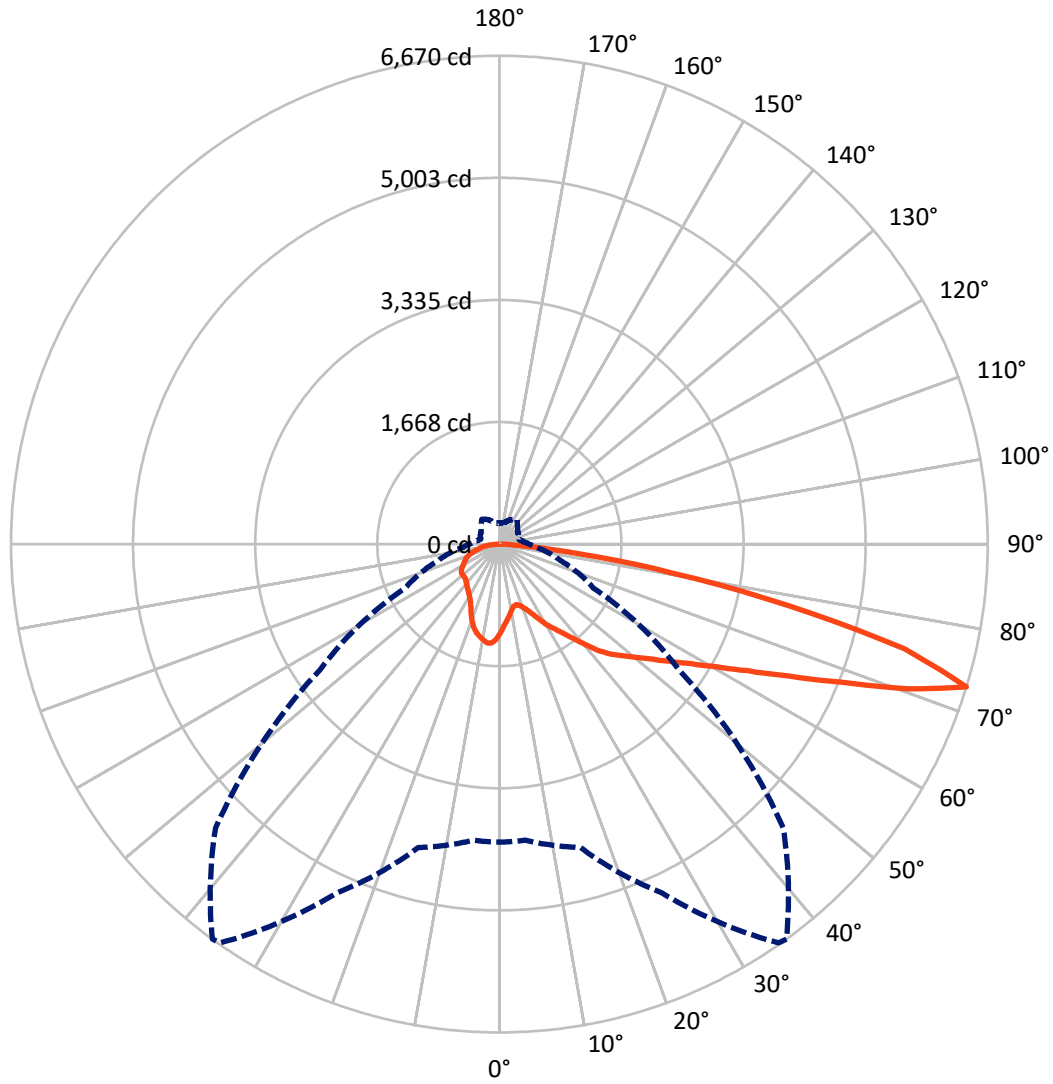
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1919.1	0.0	1919.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6405.1	0.0	6405.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	8324.2	0.0	8324.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	1.4
10°-20°	321.3	3.9
20°-30°	532.1	6.4
30°-40°	796.9	9.6
40°-50°	1162.5	14.0
50°-60°	1654.7	19.9
60°-70°	2090.5	25.1
70°-80°	1489.7	17.9
80°-90°	162.6	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°	8324.2	100.0
0°-180°	8324.2	100.0

Coefficient of Utilization



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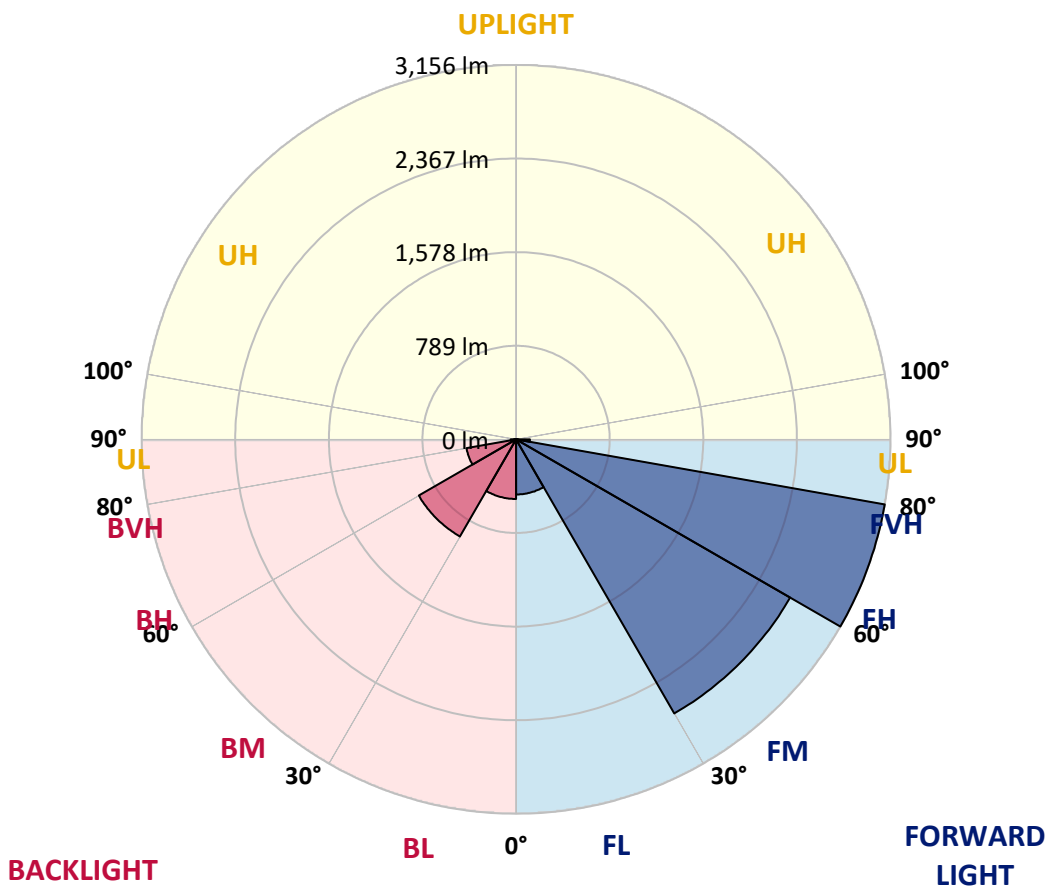
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.7	5.6			
FM (30°-60°)	2667.7	32.0			
FH (60°-80°)	3156.0	37.9			G2/5000
FVH (80°-90°)	116.7	1.4			G2/225
BL (0°-30°)	502.5	6.0	B2/1000		
BM (30°-60°)	946.4	11.4	B1/1000		
BH (60°-80°)	424.3	5.1	B1/500		G1/500
BVH (80°-90°)	45.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3
2.5°	1111.4	1109.6	1105.8	1117.0	1128.1	1126.9	1142.3	1157.1	1173.2	1189.9	1212.1
5°	1022.4	1021.2	1018.1	1034.8	1051.5	1050.9	1076.2	1100.3	1133.0	1168.9	1213.3
7.5°	933.5	930.4	934.7	955.7	979.2	981.7	1016.3	1055.8	1103.4	1157.1	1220.1
10°	855.0	854.4	856.3	879.7	914.9	917.4	961.9	1016.9	1079.9	1151.6	1235.6
12.5°	834.6	833.4	828.5	840.2	866.8	870.5	919.3	986.6	1063.8	1154.7	1256.6
15°	868.0	864.9	847.6	842.0	855.0	858.1	899.5	968.7	1054.6	1160.2	1283.2
17.5°	925.5	923.6	890.9	868.0	876.6	879.1	910.0	965.6	1052.1	1171.3	1315.9
20°	1009.5	1001.4	950.2	915.6	915.6	919.3	937.8	979.2	1055.2	1184.9	1353.0
22.5°	1120.7	1104.6	1032.3	985.4	973.0	978.0	986.0	1013.2	1068.2	1207.8	1399.3
25°	1245.5	1230.6	1144.8	1078.7	1061.4	1063.2	1056.4	1061.4	1096.6	1239.3	1456.8
27.5°	1378.3	1368.4	1277.0	1193.0	1165.8	1165.8	1141.7	1129.9	1136.1	1275.1	1521.0
30°	1496.9	1483.3	1406.1	1314.0	1278.2	1278.2	1232.5	1207.2	1192.3	1319.0	1606.9
32.5°	1559.3	1551.3	1500.0	1429.6	1385.7	1378.9	1339.4	1309.7	1275.1	1383.9	1723.0
35°	1640.9	1639.0	1608.1	1553.1	1497.5	1487.6	1460.5	1437.0	1377.1	1464.8	1877.5
37.5°	1743.4	1740.3	1735.4	1702.6	1635.9	1634.1	1610.0	1581.5	1503.7	1581.5	2064.7
40°	1858.3	1852.8	1846.6	1846.0	1805.8	1799.0	1797.2	1765.0	1656.3	1722.4	2259.9
42.5°	2016.5	1997.3	1939.2	1965.2	1994.8	1988.7	2012.1	1964.0	1846.6	1889.8	2444.6
45°	2211.1	2164.1	2049.2	2056.6	2131.4	2143.7	2225.3	2213.5	2056.0	2083.2	2639.2
47.5°	2327.8	2287.1	2180.2	2174.0	2267.3	2282.7	2460.0	2482.3	2281.5	2316.1	2879.5
50°	2423.6	2395.2	2307.4	2316.1	2414.9	2430.4	2693.0	2740.5	2494.0	2554.6	3158.8
52.5°	2539.1	2498.3	2430.4	2471.2	2592.3	2610.8	2951.8	3003.1	2685.5	2816.5	3447.9
55°	2604.0	2587.3	2588.5	2650.9	2802.9	2828.2	3223.0	3214.4	2861.0	3040.8	3665.4
57.5°	2753.5	2747.3	2804.2	2827.6	3048.8	3081.5	3494.2	3420.1	3020.4	3214.4	3769.8
60°	3017.3	3001.8	3051.3	3087.1	3352.8	3399.1	3796.9	3621.5	3128.5	3343.5	3734.5
62.5°	3388.0	3368.8	3370.7	3427.5	3759.9	3808.7	4133.6	3789.5	3161.9	3363.3	3511.5
65°	3848.8	3821.0	3789.5	3866.8	4300.4	4341.2	4500.0	3911.9	3082.2	3173.0	3045.7
67.5°	4335.0	4312.2	4275.1	4437.0	5000.4	5025.1	4910.8	3901.4	2829.5	2663.9	2136.3
70°	4363.5	4369.0	4544.5	5130.1	5914.1	5920.3	5299.4	3690.1	2291.4	1726.7	1064.5
72.5°	4070.6	4061.4	4289.9	5256.8	6649.3	6670.3	5482.9	2989.5	1416.0	861.2	499.2
75°	3306.4	3322.5	3562.8	4599.5	5699.1	5717.7	4469.7	1762.6	672.8	421.3	319.4
77.5°	1423.4	1513.0	1986.8	3240.3	4081.7	4024.3	2303.7	714.2	358.9	300.2	244.6
80°	410.8	446.0	708.0	1540.8	2445.8	2402.6	911.9	267.5	250.2	225.5	175.5
82.5°	132.8	147.0	259.5	613.5	1096.0	1094.7	346.0	158.2	163.7	153.2	113.1
85°	37.1	42.6	79.7	186.0	339.2	332.4	100.1	74.8	87.1	88.3	56.2
87.5°	0.0	0.0	0.6	1.2	1.2	1.2	2.5	11.1	25.3	32.1	22.9
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°	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3	1218.3
2.5°	1225.7	1223.8	1249.2	1268.9	1287.5	1299.8	1303.5	1306.0	1311.0	1313.4	1311.0
5°	1234.3	1243.6	1285.6	1316.5	1341.2	1356.1	1356.7	1355.4	1359.1	1356.1	1354.2
7.5°	1252.9	1270.8	1323.9	1356.7	1372.7	1373.3	1358.5	1341.2	1332.6	1325.2	1322.7
10°	1277.6	1304.2	1362.2	1383.9	1378.9	1356.1	1323.3	1296.1	1280.7	1269.6	1267.1
12.5°	1311.6	1341.2	1396.2	1395.6	1364.7	1323.9	1285.6	1252.9	1230.6	1217.7	1213.3
15°	1343.7	1381.4	1420.9	1391.9	1343.1	1293.7	1244.2	1200.4	1170.7	1150.3	1146.6
17.5°	1383.2	1423.4	1438.8	1380.1	1315.9	1252.3	1186.2	1128.7	1088.5	1064.5	1062.6
20°	1429.0	1464.8	1447.5	1359.8	1280.7	1197.3	1107.7	1043.4	1000.2	976.7	978.6
22.5°	1482.1	1508.0	1450.0	1332.0	1231.9	1119.4	1019.4	957.6	928.5	916.2	916.8
25°	1538.9	1555.6	1445.6	1294.3	1157.1	1024.3	928.5	900.1	897.7	894.6	895.8
27.5°	1606.3	1602.5	1432.7	1241.1	1056.4	913.7	864.9	872.3	882.2	881.0	882.2
30°	1696.5	1661.2	1416.0	1167.6	936.6	821.0	827.2	848.2	861.2	862.4	866.1
32.5°	1799.6	1726.1	1389.4	1067.5	822.3	769.1	792.0	817.3	832.8	835.9	840.8
35°	1922.6	1800.2	1342.5	942.7	740.1	738.3	759.3	776.6	793.2	794.5	794.5
37.5°	2064.0	1874.4	1267.7	805.0	689.5	711.7	731.5	735.2	739.5	735.8	737.6
40°	2193.8	1946.0	1161.4	679.6	648.1	688.2	704.9	692.5	679.0	669.7	671.5
42.5°	2302.5	1994.8	1020.6	591.8	606.1	667.2	680.2	654.9	628.3	611.0	613.5
45°	2424.8	2039.9	855.0	532.5	570.2	652.4	661.0	628.3	594.3	568.4	564.7
47.5°	2593.5	2132.0	708.0	491.1	544.9	644.4	658.6	614.1	569.6	530.7	526.4
50°	2801.7	2262.4	585.0	464.0	533.2	640.0	657.9	598.6	545.5	499.8	496.7
52.5°	3029.0	2389.6	494.2	443.0	521.4	627.1	654.9	581.3	520.2	470.8	467.1
55°	3180.4	2439.7	433.1	423.2	502.3	606.7	642.5	564.7	481.9	436.8	431.2
57.5°	3224.9	2375.4	390.4	405.3	477.6	578.3	619.0	529.4	458.4	422.6	418.2
60°	3148.3	2213.5	363.9	390.4	450.4	541.8	578.3	509.1	439.9	407.7	404.7
62.5°	2932.0	1964.0	343.5	375.0	422.6	503.5	552.3	484.3	419.5	394.2	389.8
65°	2497.1	1610.6	326.8	358.9	396.0	467.1	523.9	459.6	397.2	378.1	373.1
67.5°	1746.5	1131.2	308.9	339.8	369.4	431.8	494.2	436.8	374.4	360.2	355.2
70°	853.8	599.9	287.3	317.5	341.0	396.0	464.6	409.0	344.1	336.1	329.3
72.5°	406.5	335.5	261.9	287.3	302.1	348.4	415.2	368.8	308.3	291.0	279.2
75°	272.4	238.5	228.6	251.4	255.1	292.2	355.8	318.2	271.8	252.1	242.2
77.5°	206.3	182.2	192.1	212.5	205.1	240.3	292.8	283.6	245.3	227.3	222.4
80°	145.2	132.8	152.6	165.0	159.4	204.5	263.8	242.8	202.0	182.2	178.5
82.5°	91.4	89.0	112.4	114.3	116.1	161.9	216.8	190.9	156.9	129.1	119.9
85°	45.7	50.7	67.3	67.3	66.7	83.4	123.6	107.5	84.6	67.3	65.5
87.5°	15.4	21.6	29.0	23.5	17.9	14.2	16.1	19.8	21.0	20.4	20.4
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)