

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P192730

Luminaire Tested: **GAN-AF-02-LED-U-RW-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-02-LED-U-RW-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7932.2 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B3 - U0 - G1

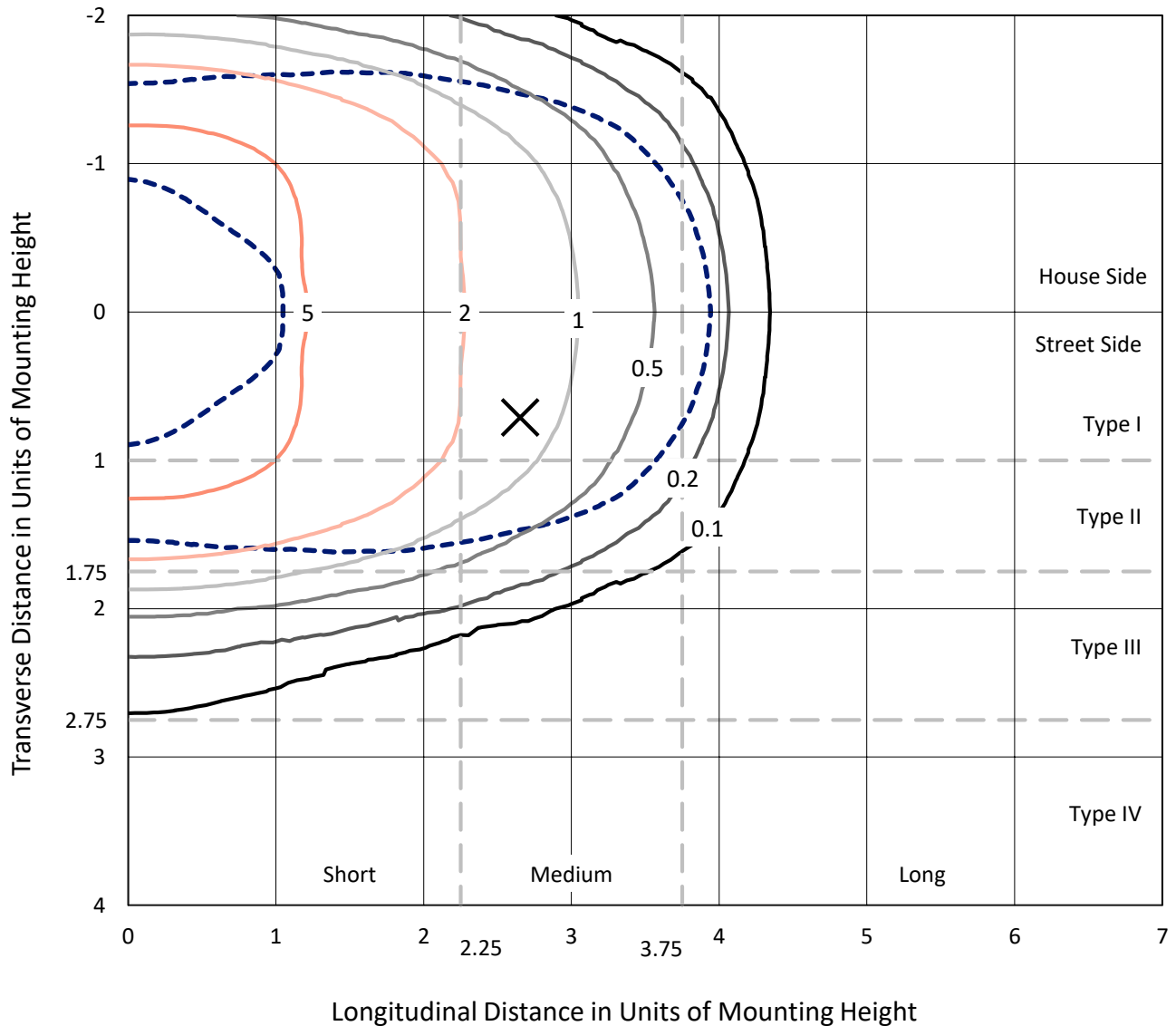
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

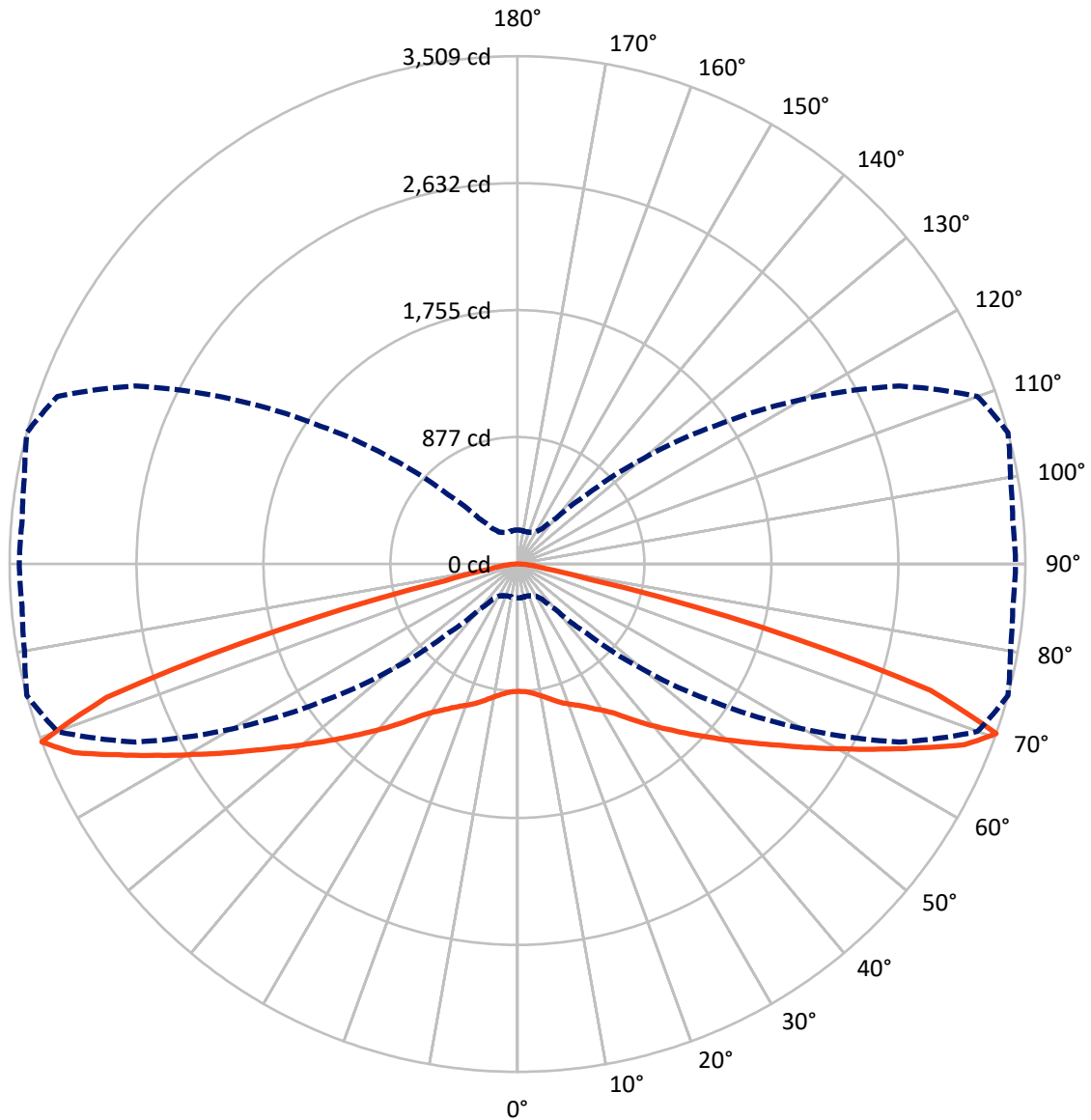
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3966.1	0.0	3966.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3966.1	0.0	3966.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7932.2	0.0	7932.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.1
10°-20°	262.2	3.3
20°-30°	493.5	6.2
30°-40°	873.9	11.0
40°-50°	1461.4	18.4
50°-60°	2036.5	25.7
60°-70°	1888.5	23.8
70°-80°	752.6	9.5
80°-90°	79.1	1.0
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°	7932.2	100.0
0°-180°	7932.2	100.0



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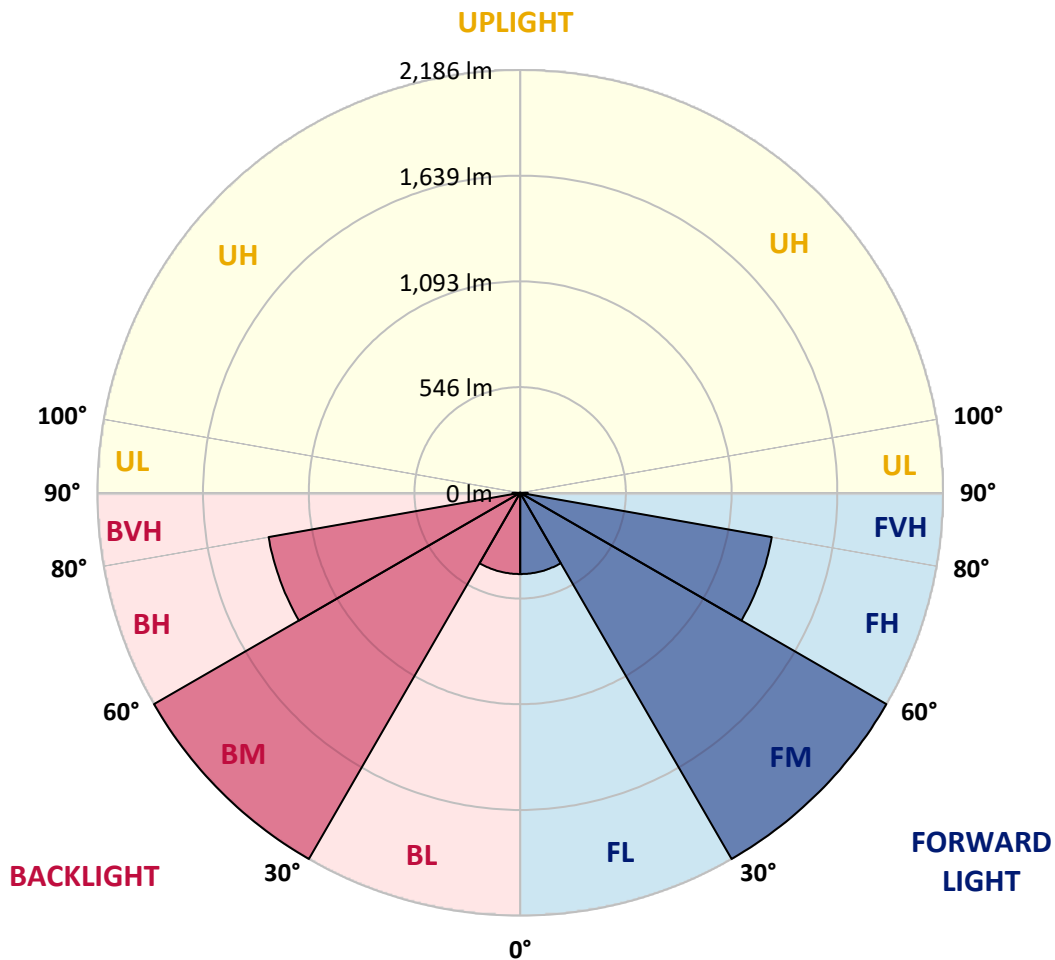
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.0	5.3			
FM (30°-60°)	2185.9	27.6			
FH (60°-80°)	1320.6	16.6			G1/1800
FVH (80°-90°)	39.6	0.5			G1/100
BL (0°-30°)	420.0	5.3	B1/500		
BM (30°-60°)	2185.9	27.6	B2/2500		
BH (60°-80°)	1320.6	16.6	B3/2500		G1/1800
BVH (80°-90°)	39.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	878.3	877.6	878.3	878.0	878.8	878.8	879.5	880.9	880.9	882.2	881.7
5°	869.7	869.3	870.5	871.7	872.8	874.9	877.3	880.6	883.3	885.1	886.9
7.5°	852.9	852.9	854.4	857.0	859.7	864.5	869.7	876.5	883.3	888.9	893.7
10°	839.0	839.7	841.7	846.1	850.6	858.1	865.3	874.9	884.4	893.7	901.3
12.5°	830.8	831.9	835.3	842.0	849.5	859.7	870.5	882.9	893.4	904.5	912.1
15°	833.4	834.0	839.0	847.3	857.0	869.7	884.4	898.9	911.3	923.4	933.5
17.5°	848.0	849.2	854.7	864.1	874.3	889.3	905.0	921.5	936.9	950.3	962.7
20°	874.3	875.3	882.5	892.6	904.5	920.0	935.7	953.0	970.2	984.4	998.3
22.5°	911.3	913.2	920.0	930.2	943.6	960.1	978.9	997.2	1013.7	1026.8	1039.2
25°	960.1	964.2	970.6	981.8	996.1	1011.0	1031.3	1050.1	1065.9	1078.2	1087.1
27.5°	1029.1	1034.6	1039.6	1050.4	1064.3	1078.6	1098.8	1115.3	1130.3	1142.3	1149.1
30°	1120.6	1126.1	1131.1	1141.5	1154.4	1167.8	1186.9	1201.6	1210.9	1220.3	1219.9
32.5°	1231.5	1237.5	1239.4	1250.6	1263.8	1278.4	1295.6	1303.9	1311.3	1312.5	1305.7
35°	1355.6	1358.6	1366.1	1381.1	1396.2	1408.2	1424.6	1428.7	1428.7	1423.1	1408.2
37.5°	1491.7	1493.6	1504.1	1520.9	1536.3	1548.6	1559.9	1568.2	1564.0	1552.0	1526.9
40°	1640.8	1644.3	1659.3	1674.3	1691.6	1703.2	1715.2	1716.6	1712.5	1694.8	1660.7
42.5°	1783.3	1786.4	1801.3	1824.9	1847.5	1863.6	1874.8	1877.1	1864.0	1847.8	1805.5
45°	1905.9	1913.7	1933.4	1961.1	1993.7	2016.5	2031.9	2038.2	2026.6	2005.7	1956.5
47.5°	2003.0	2010.9	2038.7	2071.7	2112.1	2149.2	2174.7	2188.3	2185.1	2169.5	2116.0
50°	2074.3	2081.7	2111.8	2152.3	2199.5	2245.6	2289.1	2321.3	2332.5	2325.5	2276.3
52.5°	2082.5	2094.9	2130.1	2184.5	2246.0	2308.9	2370.8	2425.5	2462.7	2468.2	2431.9
55°	1967.4	1979.8	2028.5	2109.1	2200.6	2303.3	2402.3	2494.5	2567.6	2605.1	2585.9
57.5°	1696.0	1718.1	1769.5	1864.0	1998.6	2152.3	2310.1	2473.9	2622.8	2722.0	2741.2
60°	1299.7	1326.0	1377.8	1478.2	1628.2	1811.5	2022.2	2264.3	2527.1	2750.6	2884.0
62.5°	833.7	858.4	912.9	1000.2	1122.4	1321.2	1547.2	1834.7	2187.8	2540.6	2858.5
65°	428.6	442.0	470.5	523.4	618.5	767.0	969.9	1256.6	1660.4	2095.6	2555.2
67.5°	271.4	274.0	280.5	287.9	312.3	363.7	458.2	637.0	969.1	1423.1	1961.1
70°	234.7	234.7	231.6	230.5	233.6	240.7	255.3	296.9	408.9	675.6	1131.1
72.5°	214.8	212.5	207.3	203.2	202.4	202.4	205.4	211.9	229.8	275.3	442.7
75°	198.0	191.5	184.4	179.6	177.6	175.8	175.5	176.6	180.3	187.5	211.4
77.5°	177.3	169.1	160.8	155.9	153.7	151.1	148.8	146.2	144.3	146.6	157.2
80°	152.5	143.2	136.8	133.9	131.5	127.9	122.9	118.4	114.4	113.6	119.9
82.5°	122.9	112.1	112.4	113.6	109.5	104.3	99.0	94.1	87.0	83.2	87.0
85°	99.3	93.8	91.1	98.3	92.3	84.3	76.2	67.5	56.3	47.2	51.4
87.5°	38.6	38.6	57.7	88.8	79.9	65.2	55.8	47.6	29.6	22.8	23.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	879.9	879.9	879.9	879.9	879.9	879.9	879.9	879.9
2.5°	881.4	882.2	881.7	881.4	881.4	880.9	881.4	881.4
5°	888.2	890.0	890.0	890.8	890.8	891.1	891.4	891.1
7.5°	898.2	901.6	903.9	906.6	906.9	907.3	908.0	907.3
10°	908.4	915.1	920.0	924.9	927.1	927.8	928.6	928.6
12.5°	921.0	930.5	939.1	947.8	951.8	954.1	954.1	955.6
15°	942.2	951.4	961.6	973.2	980.4	984.1	985.2	985.2
17.5°	971.8	979.9	988.6	999.8	1008.8	1013.7	1014.8	1014.5
20°	1006.2	1014.0	1019.0	1026.1	1033.9	1039.6	1041.0	1041.0
22.5°	1045.6	1050.1	1050.8	1053.0	1059.5	1066.9	1070.3	1071.1
25°	1089.1	1090.2	1087.1	1087.1	1091.3	1098.4	1101.8	1102.2
27.5°	1145.2	1139.7	1132.2	1129.5	1132.2	1140.4	1144.5	1146.0
30°	1215.4	1201.9	1184.7	1175.3	1173.8	1184.7	1192.1	1193.3
32.5°	1295.6	1276.1	1253.3	1234.2	1229.2	1236.0	1245.0	1244.7
35°	1390.9	1367.6	1339.8	1315.5	1304.2	1311.0	1323.7	1325.2
37.5°	1500.6	1470.3	1438.5	1407.7	1390.1	1392.0	1405.5	1410.0
40°	1623.3	1583.9	1543.9	1502.6	1477.4	1472.6	1489.1	1491.7
42.5°	1754.4	1703.9	1653.3	1602.3	1570.0	1562.5	1581.6	1580.6
45°	1894.3	1829.9	1770.6	1714.4	1676.1	1664.9	1680.6	1680.6
47.5°	2044.7	1965.1	1894.7	1830.9	1789.3	1773.3	1788.2	1789.3
50°	2204.0	2119.6	2036.8	1965.9	1916.1	1895.4	1915.0	1917.9
52.5°	2362.5	2280.5	2196.8	2116.0	2055.5	2030.4	2052.9	2062.6
55°	2523.4	2442.8	2363.0	2283.8	2212.3	2182.6	2206.6	2218.9
57.5°	2693.2	2618.6	2542.5	2462.7	2393.7	2347.6	2373.1	2389.5
60°	2892.3	2828.5	2749.4	2661.3	2591.6	2544.7	2559.4	2574.0
62.5°	3049.8	3074.4	3007.4	2905.4	2815.8	2755.8	2770.0	2785.4
65°	2973.6	3227.4	3287.1	3184.0	3059.8	2966.5	2960.5	2968.3
67.5°	2485.5	2978.5	3338.0	3436.2	3332.4	3202.7	3178.7	3190.4
70°	1662.6	2276.8	2911.0	3383.4	3509.0	3458.7	3435.1	3442.2
72.5°	798.4	1326.0	1975.0	2602.9	2985.3	3160.7	3216.9	3244.4
75°	292.0	526.3	951.8	1434.3	1731.6	2004.6	2182.6	2255.3
77.5°	176.2	212.5	304.1	457.7	518.4	580.3	556.3	568.3
80°	130.4	147.3	166.8	187.5	194.2	194.2	186.8	180.8
82.5°	91.4	102.3	111.7	122.9	125.9	120.3	99.0	78.7
85°	58.9	63.7	67.8	75.0	73.1	69.7	46.9	41.6
87.5°	27.0	30.7	32.2	35.6	34.1	32.7	23.3	19.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)