

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: P632363

Luminaire Tested: GWS-SA2C-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9746 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

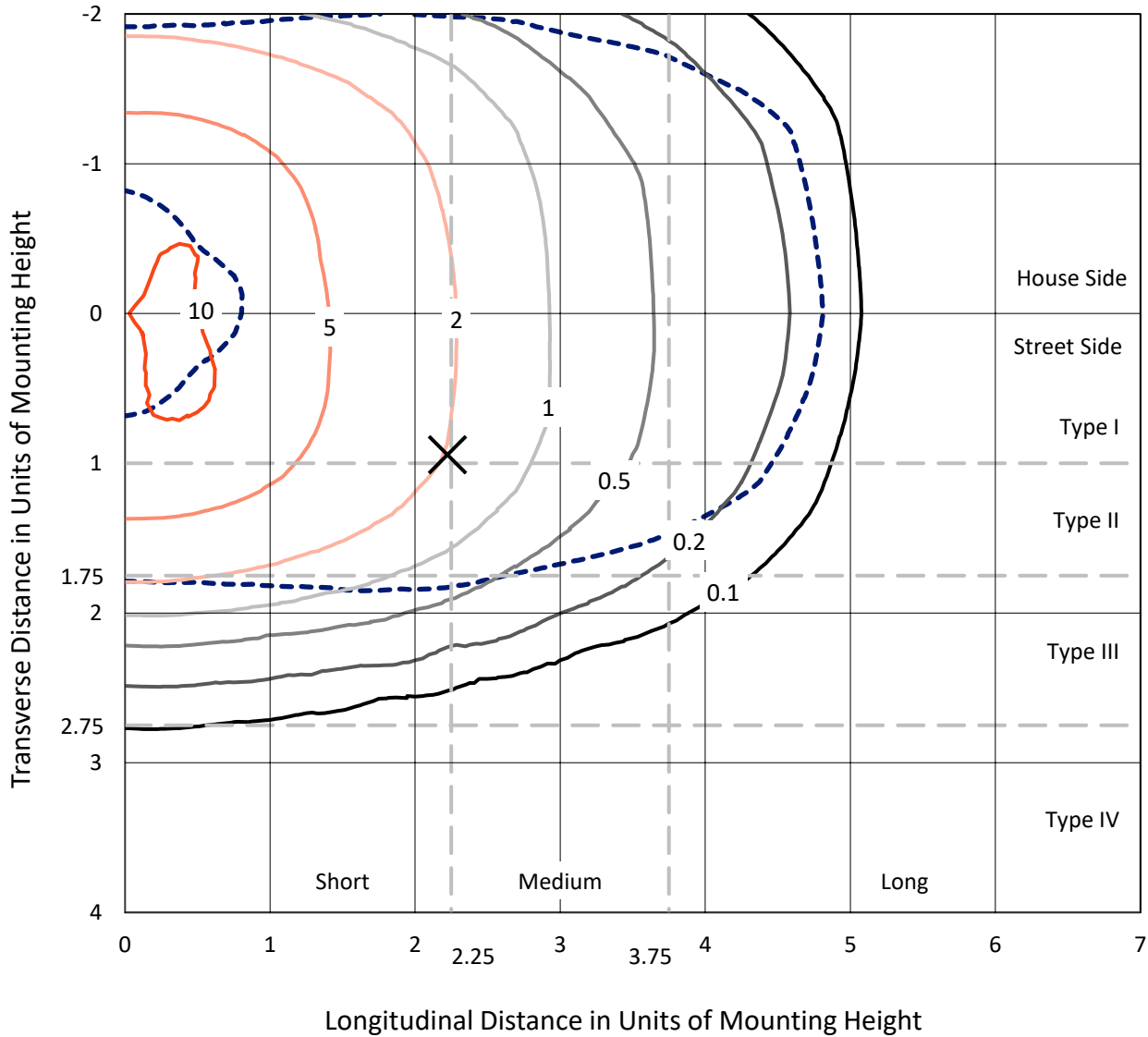
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

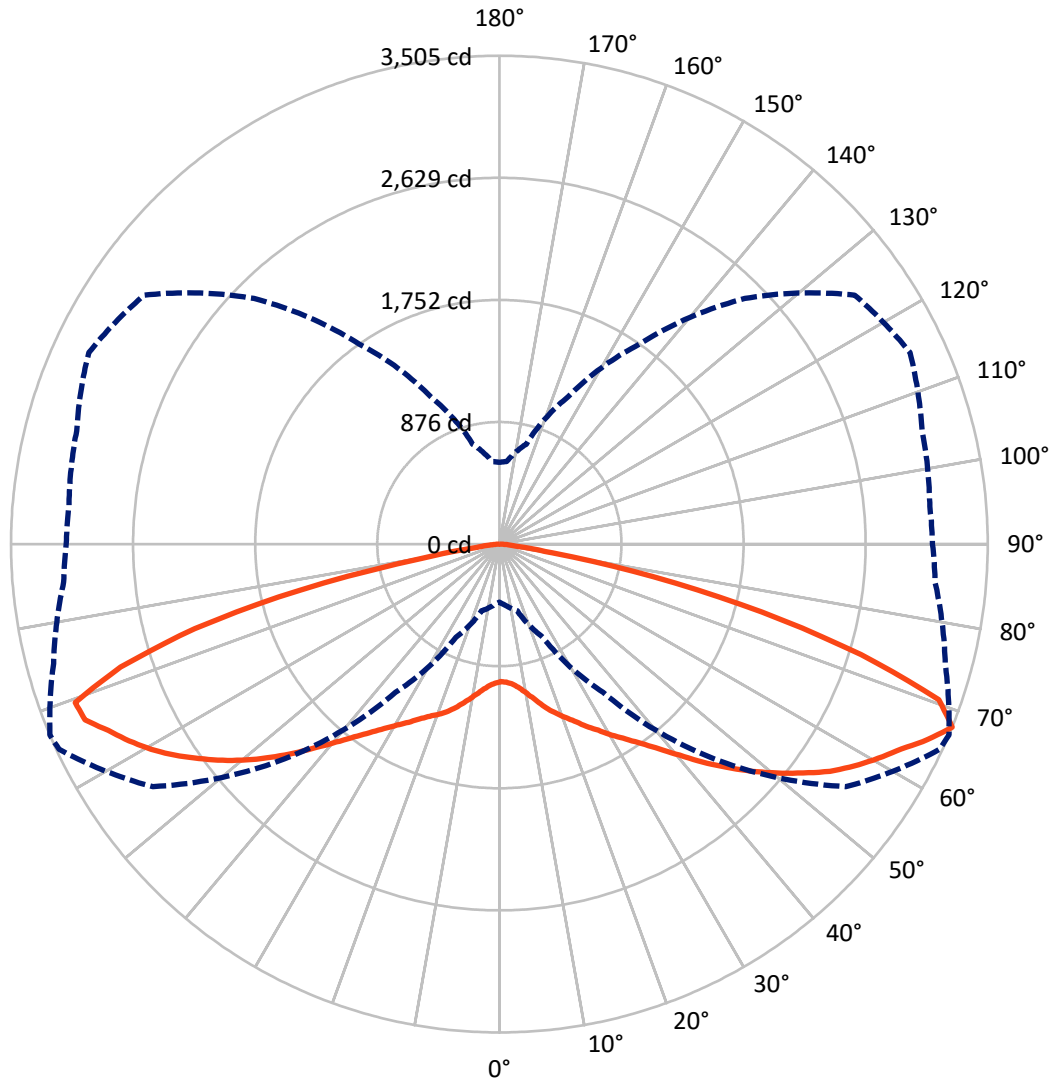
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4819.2	0.0	4819.2
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	4926.8	0.0	4926.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	9746.0	0.0	9746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.0
10°-20°	327.1	3.4
20°-30°	641.8	6.6
30°-40°	1093.4	11.2
40°-50°	1755.7	18.0
50°-60°	2385.6	24.5
60°-70°	2282.0	23.4
70°-80°	1085.0	11.1
80°-90°	78.6	0.8
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°	9746.0	100.0
0°-180°	9746.0	100.0

Coefficient of Utilization



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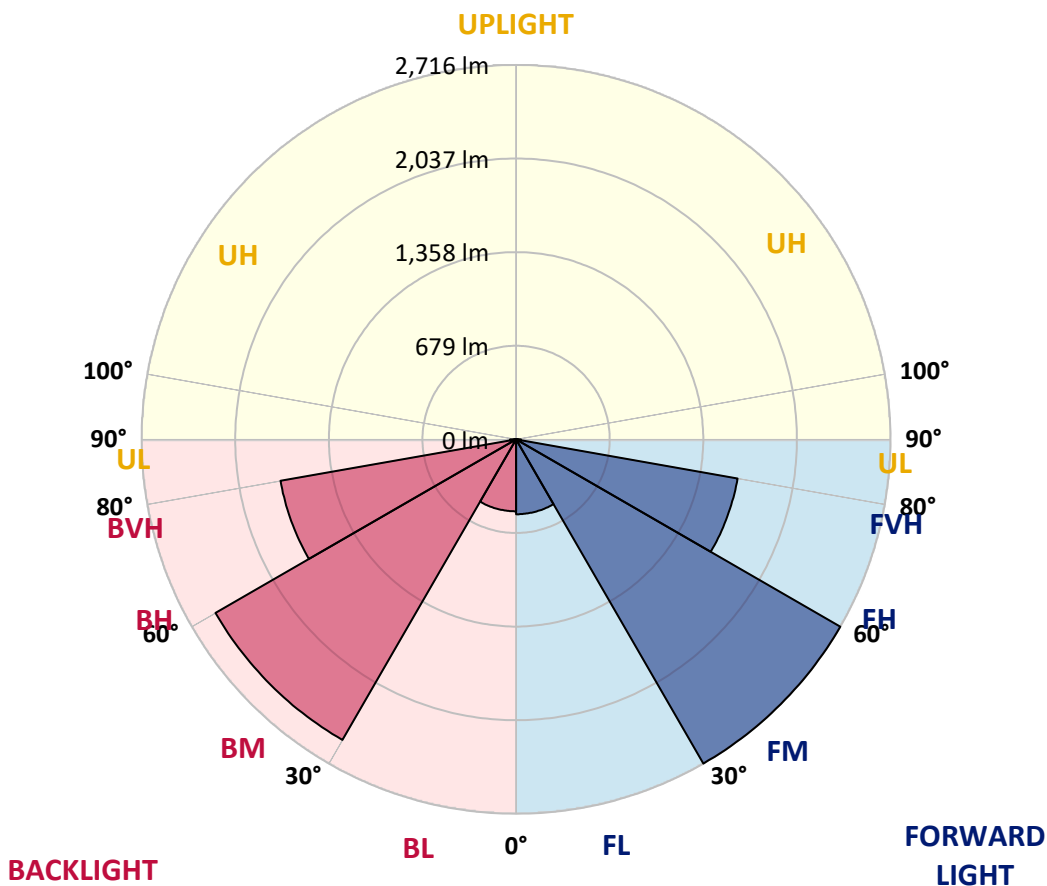
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.4	5.6			
FM (30°-60°)	2716.3	27.9			
FH (60°-80°)	1631.7	16.7			G1/1800
FVH (80°-90°)	35.3	0.4			G1/100
BL (0°-30°)	522.3	5.4	B2/1000		
BM (30°-60°)	2518.4	25.8	B3/5000		
BH (60°-80°)	1735.3	17.8	B3/2500		G3/2500
BVH (80°-90°)	43.3	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8
2.5°	966.5	967.8	969.9	973.9	978.0	984.1	990.2	989.6	992.3	994.3	996.3
5°	961.0	962.4	965.8	971.2	977.3	987.5	1000.4	1005.8	1009.9	1017.4	1024.2
7.5°	972.6	975.3	980.0	987.5	997.0	1009.9	1027.6	1037.1	1043.2	1056.7	1068.3
10°	988.2	991.6	1001.1	1015.3	1029.6	1049.3	1071.7	1085.9	1090.0	1107.6	1129.4
12.5°	1003.1	1007.2	1022.8	1048.6	1074.4	1100.9	1127.3	1145.0	1146.3	1170.1	1194.5
15°	1026.9	1030.3	1051.3	1084.6	1123.9	1160.6	1193.2	1205.4	1210.8	1227.8	1258.3
17.5°	1079.1	1083.2	1110.4	1146.3	1187.7	1226.4	1259.0	1269.2	1269.2	1283.4	1308.5
20°	1135.5	1139.5	1175.5	1221.7	1271.9	1311.3	1336.4	1326.9	1323.5	1327.5	1345.2
22.5°	1198.6	1206.1	1240.7	1294.3	1356.1	1404.2	1417.1	1388.6	1379.1	1369.6	1373.7
25°	1279.4	1288.2	1322.1	1379.1	1439.5	1490.4	1497.9	1453.8	1448.4	1415.1	1402.9
27.5°	1372.3	1379.1	1421.2	1477.5	1533.9	1576.6	1584.8	1530.5	1512.2	1466.0	1437.5
30°	1492.5	1498.6	1535.2	1590.9	1639.8	1669.6	1679.8	1605.1	1590.9	1520.3	1476.2
32.5°	1623.5	1626.2	1663.5	1717.1	1760.6	1789.1	1774.8	1687.9	1666.9	1587.5	1527.1
35°	1773.5	1773.5	1821.6	1865.1	1899.7	1907.8	1880.7	1781.6	1757.2	1671.0	1595.6
37.5°	1920.7	1924.8	1969.6	2021.2	2051.7	2050.4	2000.8	1892.2	1864.4	1770.7	1687.3
40°	2080.2	2089.1	2133.8	2191.5	2220.7	2216.6	2140.6	2019.8	1991.3	1880.7	1799.2
42.5°	2226.8	2241.1	2293.3	2352.4	2384.3	2381.6	2302.2	2166.4	2138.6	2013.7	1932.3
45°	2343.6	2358.5	2423.7	2505.8	2556.7	2551.9	2471.8	2318.5	2284.5	2153.5	2063.9
47.5°	2446.1	2461.7	2534.3	2621.2	2701.9	2710.1	2636.8	2471.8	2435.9	2303.5	2202.4
50°	2524.8	2532.2	2613.7	2708.7	2802.4	2847.8	2784.0	2625.9	2582.5	2451.5	2337.5
52.5°	2518.7	2528.9	2629.3	2758.3	2883.8	2958.5	2914.4	2771.2	2729.1	2586.5	2475.2
55°	2394.5	2404.7	2524.1	2712.1	2929.3	3039.2	3034.5	2909.6	2879.1	2724.3	2618.4
57.5°	2213.3	2235.7	2354.4	2557.4	2869.6	3103.7	3122.7	3035.8	3003.9	2859.4	2760.3
60°	1888.8	1918.7	2055.8	2319.1	2678.2	3082.0	3217.1	3142.4	3122.7	2984.9	2888.6
62.5°	1372.3	1394.1	1576.6	1922.1	2394.5	2927.3	3296.5	3252.4	3237.4	3097.6	3004.6
65°	821.9	871.5	1018.1	1359.4	1931.6	2635.4	3253.0	3396.2	3380.6	3213.7	3103.7
67.5°	416.0	438.4	496.1	737.1	1299.0	2180.7	3035.2	3485.8	3504.8	3312.8	3139.0
70°	257.9	264.0	280.3	363.8	648.8	1432.7	2482.0	3252.4	3345.3	3297.1	3047.4
72.5°	207.0	208.4	211.1	226.7	311.5	669.9	1569.2	2547.2	2714.8	3079.3	2916.4
75°	171.7	172.4	173.1	177.8	194.1	273.5	763.5	1750.4	1946.5	2617.1	2704.0
77.5°	137.8	134.4	137.1	139.1	143.2	152.7	263.3	933.9	1132.8	1717.8	2091.1
80°	89.6	88.2	93.7	95.7	99.8	105.9	140.5	317.0	384.8	625.1	665.1
82.5°	48.2	45.5	57.0	55.0	57.0	61.8	82.8	116.1	130.3	188.7	159.5
85°	14.9	14.9	15.6	18.3	22.4	21.7	36.0	57.0	63.1	80.8	59.7
87.5°	2.7	2.7	2.7	2.7	2.7	3.4	7.5	11.5	15.6	27.8	21.0
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°	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8
2.5°	1000.4	994.3	997.7	999.7	999.1	997.7	990.9	989.6	986.2	980.7	979.4
5°	1030.3	1023.5	1024.2	1022.1	1015.3	1006.5	991.6	984.1	978.0	971.2	970.5
7.5°	1077.1	1069.6	1067.6	1058.1	1039.1	1018.7	995.0	981.4	971.2	962.4	961.0
10°	1136.8	1129.4	1122.6	1100.2	1069.0	1041.8	1010.6	990.9	976.0	965.1	963.1
12.5°	1203.3	1197.2	1180.3	1147.7	1110.4	1078.5	1046.6	1022.1	1000.4	984.1	982.1
15°	1277.3	1263.7	1238.0	1195.9	1160.6	1134.8	1096.1	1062.9	1028.2	1006.5	1001.8
17.5°	1328.9	1317.4	1286.8	1246.1	1218.3	1195.9	1150.4	1102.9	1056.1	1024.2	1017.4
20°	1365.6	1353.3	1318.7	1288.9	1280.0	1261.0	1208.1	1153.1	1098.8	1059.5	1050.6
22.5°	1392.0	1379.1	1343.8	1328.9	1341.1	1337.7	1286.1	1223.7	1159.2	1112.4	1101.5
25°	1417.1	1404.9	1373.7	1379.1	1411.7	1421.9	1366.2	1293.6	1220.3	1165.3	1152.4
27.5°	1440.9	1425.3	1411.0	1440.9	1487.0	1506.0	1447.0	1364.9	1285.5	1229.1	1219.0
30°	1477.5	1459.2	1457.2	1500.6	1573.9	1590.2	1525.0	1442.9	1364.2	1307.2	1294.3
32.5°	1523.7	1506.7	1508.1	1573.2	1658.1	1671.7	1616.0	1539.3	1460.6	1403.6	1385.9
35°	1586.1	1565.1	1576.6	1656.7	1742.2	1767.3	1722.6	1658.8	1582.1	1523.7	1504.0
37.5°	1672.3	1641.8	1665.5	1749.7	1835.9	1873.2	1838.6	1791.1	1715.1	1656.0	1637.7
40°	1782.3	1757.2	1766.7	1859.7	1948.6	1993.4	1971.6	1924.8	1849.5	1787.7	1766.7
42.5°	1912.6	1887.5	1884.1	1983.2	2072.1	2140.0	2118.9	2076.2	1998.1	1927.5	1907.2
45°	2040.2	2017.1	2021.9	2123.0	2222.8	2296.7	2275.7	2225.5	2140.6	2059.2	2042.9
47.5°	2173.2	2154.2	2158.3	2265.5	2375.5	2449.4	2423.0	2361.9	2262.8	2175.9	2156.2
50°	2309.6	2287.9	2294.0	2406.7	2525.5	2595.4	2554.6	2464.4	2355.1	2270.3	2253.3
52.5°	2445.4	2419.6	2435.2	2541.7	2664.6	2720.2	2644.9	2535.6	2429.8	2345.6	2326.6
55°	2601.5	2574.3	2557.4	2671.4	2792.9	2815.9	2712.8	2585.2	2459.6	2363.9	2352.4
57.5°	2744.0	2720.9	2689.0	2803.1	2892.6	2875.7	2765.0	2571.6	2387.0	2264.2	2247.9
60°	2871.6	2851.9	2824.1	2921.1	2961.9	2923.9	2723.0	2410.8	2207.8	2079.6	2072.1
62.5°	2989.0	2968.0	2942.2	3025.0	3019.6	2931.3	2531.6	2163.7	1892.2	1754.5	1742.2
65°	3082.0	3063.0	3055.5	3120.7	3111.9	2785.4	2233.6	1759.2	1382.5	1227.1	1222.3
67.5°	3108.5	3101.0	3141.0	3251.7	3113.9	2492.2	1751.7	1166.7	742.5	595.2	586.4
70°	3009.4	3008.7	3123.4	3281.5	2831.6	1903.8	1033.7	526.0	373.3	331.2	325.8
72.5°	2880.4	2878.4	2969.3	2830.9	2099.9	1041.8	435.0	281.7	233.5	221.9	221.9
75°	2668.7	2663.2	2731.8	2153.5	1180.9	392.3	230.8	193.4	183.3	181.2	181.2
77.5°	2175.2	2129.8	2021.9	1330.9	412.0	192.8	152.7	152.0	145.9	145.2	145.2
80°	715.4	715.4	831.4	507.7	181.9	118.8	107.9	113.3	107.2	103.2	102.5
82.5°	116.7	160.9	228.7	145.2	98.4	74.0	66.5	70.6	74.0	59.0	59.0
85°	46.2	60.4	88.2	67.9	45.5	29.9	31.9	35.3	31.2	27.1	26.5
87.5°	17.6	21.7	31.2	16.3	9.5	5.4	3.4	3.4	2.7	2.7	2.7
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)