

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: P630277

Luminaire Tested: GWS-SA1D-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5877.1 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

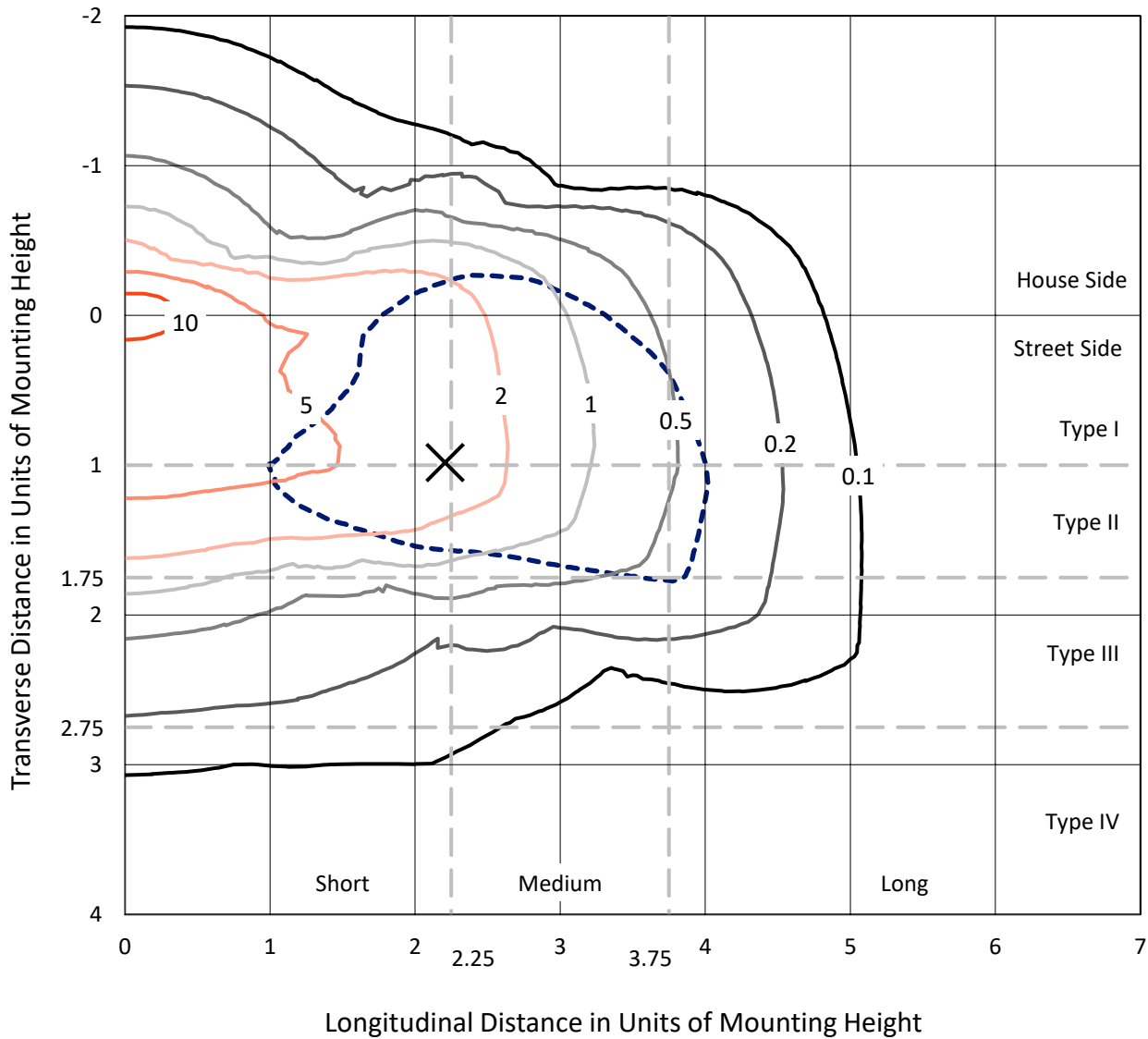
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

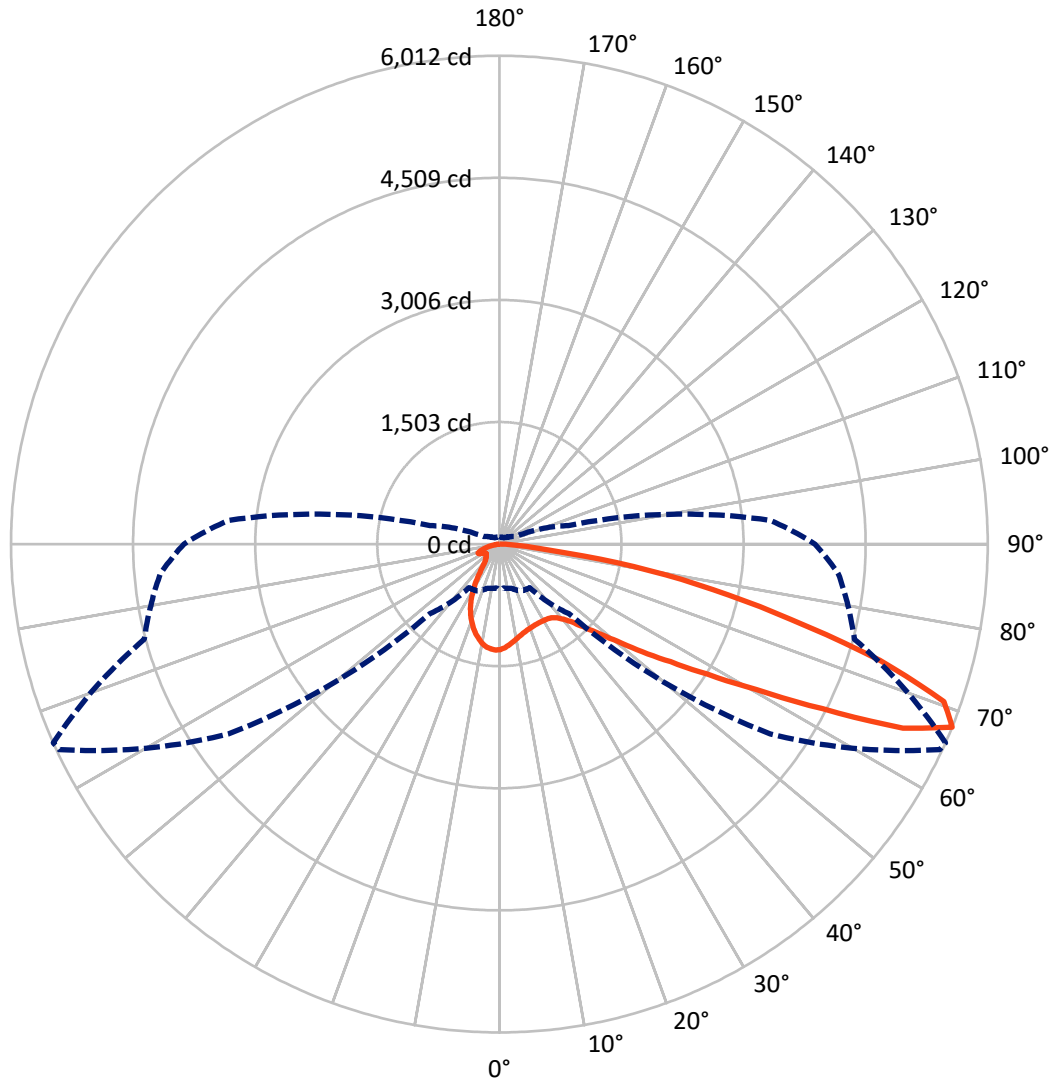
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.6	0.0	1192.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	4684.5	0.0	4684.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	5877.1	0.0	5877.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	1.9
10°-20°	280.1	4.8
20°-30°	385.0	6.6
30°-40°	526.4	9.0
40°-50°	797.6	13.6
50°-60°	1239.9	21.1
60°-70°	1509.5	25.7
70°-80°	919.5	15.6
80°-90°	105.0	1.8
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°	5877.1	100.0
0°-180°	5877.1	100.0

Coefficient of Utilization



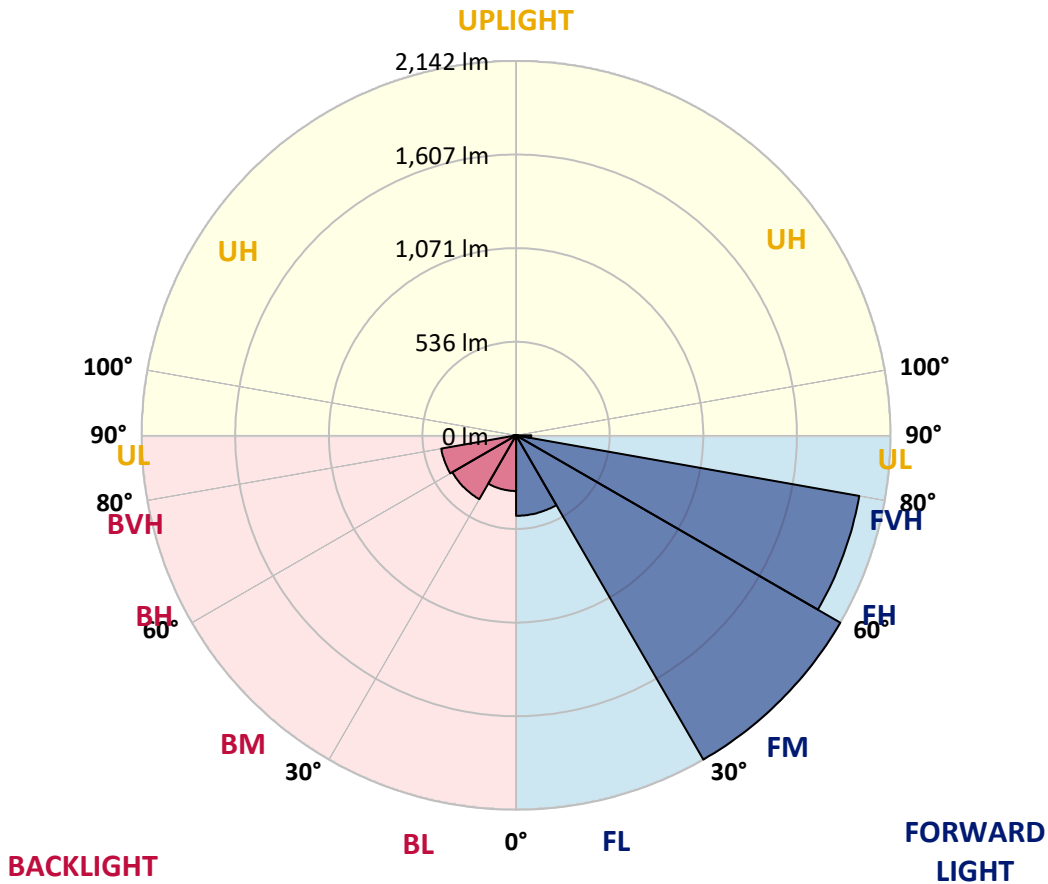
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.5	7.8			
FM (30°-60°)	2142.4	36.5			
FH (60°-80°)	1994.2	33.9			G2/5000
FVH (80°-90°)	87.3	1.5			G1/100
BL (0°-30°)	318.6	5.4	B1/500		
BM (30°-60°)	421.5	7.2	B1/1000		
BH (60°-80°)	434.8	7.4	B1/500		G1/500
BVH (80°-90°)	17.7	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7
2.5°	1216.4	1220.6	1218.1	1234.4	1235.2	1255.8	1267.4	1277.2	1278.1	1291.0	1299.5
5°	1133.2	1135.7	1135.7	1151.2	1161.5	1188.9	1215.5	1243.8	1245.9	1276.8	1300.4
7.5°	1065.9	1068.4	1066.7	1087.3	1100.6	1131.0	1164.9	1208.2	1212.5	1262.2	1303.4
10°	1013.1	1012.3	1016.6	1035.4	1052.6	1089.0	1126.7	1176.1	1182.5	1245.5	1306.8
12.5°	977.1	978.0	980.5	1000.3	1018.7	1054.7	1093.7	1147.3	1154.2	1226.2	1305.1
15°	960.0	958.2	960.4	978.4	996.0	1027.7	1068.0	1123.3	1130.2	1209.1	1305.5
17.5°	956.1	954.8	954.4	967.3	980.5	1010.1	1048.7	1104.9	1112.2	1197.9	1308.1
20°	968.1	966.4	961.7	967.3	972.8	997.7	1035.0	1091.6	1099.7	1190.6	1313.2
22.5°	1001.1	998.1	990.8	984.0	976.7	991.7	1026.4	1081.7	1089.9	1185.9	1318.4
25°	1051.3	1048.7	1041.0	1025.6	999.0	996.4	1024.7	1077.4	1085.6	1182.5	1320.5
27.5°	1120.3	1116.5	1108.7	1086.4	1043.1	1014.0	1031.1	1077.0	1084.7	1178.6	1318.4
30°	1202.2	1199.6	1195.3	1168.3	1110.5	1051.3	1045.7	1080.4	1086.4	1176.5	1314.1
32.5°	1285.4	1282.8	1286.2	1273.4	1202.2	1113.0	1077.4	1089.9	1094.2	1176.1	1310.2
35°	1358.7	1361.7	1386.6	1388.7	1318.8	1196.6	1127.6	1111.7	1112.6	1184.6	1312.0
37.5°	1435.4	1447.0	1479.6	1507.5	1449.2	1307.2	1202.2	1152.9	1152.0	1206.5	1322.7
40°	1537.1	1542.2	1583.8	1636.1	1599.7	1459.0	1308.1	1220.2	1214.2	1251.1	1351.4
42.5°	1636.1	1648.5	1715.0	1775.0	1763.0	1630.1	1441.4	1321.0	1310.2	1330.0	1410.6
45°	1762.1	1774.2	1848.8	1925.9	1947.8	1823.5	1612.1	1464.2	1453.4	1448.7	1519.0
47.5°	1888.2	1900.6	1967.5	2079.0	2155.7	2065.3	1834.2	1653.2	1635.7	1617.2	1682.8
50°	1973.1	1987.7	2051.6	2185.3	2365.4	2367.1	2097.4	1901.1	1878.8	1849.6	1913.5
52.5°	1970.1	1979.5	2040.4	2194.8	2516.3	2714.0	2449.9	2216.6	2198.6	2135.2	2190.9
55°	1815.3	1829.5	1890.8	2083.7	2532.6	3042.8	2967.8	2588.8	2556.6	2443.0	2504.3
57.5°	1504.5	1516.5	1578.2	1816.2	2388.1	3211.3	3625.5	3063.0	3018.8	2778.3	2849.0
60°	1135.7	1121.2	1150.3	1358.7	2042.5	3215.6	4206.0	3706.1	3632.3	3136.7	3195.9
62.5°	852.3	837.8	844.2	902.9	1384.9	2955.8	4537.0	4585.9	4464.1	3541.4	3529.9
65°	673.6	665.4	683.9	724.2	807.3	2250.9	4539.6	5537.3	5460.5	4010.5	3872.4
67.5°	548.8	543.7	562.5	637.1	654.7	1209.5	4070.5	5981.4	6011.5	4524.1	4190.1
70°	442.0	434.3	463.9	562.1	608.8	731.9	2915.9	5755.1	5803.5	4830.3	4100.5
72.5°	305.3	305.7	320.7	455.3	587.8	632.0	1649.4	4792.1	4897.1	4552.9	3604.9
75°	205.8	207.5	211.8	300.6	541.5	613.1	878.9	3628.1	3702.2	3763.1	2979.8
77.5°	124.3	125.2	135.1	181.8	373.4	572.4	595.5	2629.9	2688.2	2480.7	1847.0
80°	72.0	75.0	84.0	121.8	252.1	430.0	460.9	1612.5	1678.5	1102.7	587.0
82.5°	31.7	33.9	45.9	70.7	147.1	365.7	359.7	637.1	627.7	307.4	203.7
85°	5.6	6.9	9.9	22.3	54.0	192.9	279.1	281.3	264.5	116.6	84.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	42.0	75.5	75.0	33.0	29.2
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°	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7	1298.7
2.5°	1305.1	1293.5	1303.8	1305.1	1303.0	1301.2	1288.4	1277.2	1275.9	1263.9	1263.9
5°	1309.8	1299.1	1304.2	1294.4	1278.9	1263.1	1235.6	1216.8	1208.2	1192.8	1192.8
7.5°	1316.3	1305.1	1299.1	1274.7	1238.6	1203.9	1159.8	1122.9	1107.9	1086.0	1085.2
10°	1322.3	1308.1	1287.5	1239.9	1182.5	1127.2	1062.9	1010.6	975.0	948.8	948.8
12.5°	1321.8	1303.4	1262.7	1192.3	1113.0	1032.8	947.1	868.2	821.0	780.3	777.7
15°	1321.0	1295.7	1230.9	1137.0	1032.0	920.9	804.3	701.4	631.5	591.7	588.2
17.5°	1320.1	1285.8	1195.3	1074.0	933.4	782.0	628.1	516.6	458.3	433.9	434.7
20°	1320.1	1274.7	1157.2	1001.6	819.8	615.7	460.9	379.9	365.3	366.6	367.9
22.5°	1316.3	1260.9	1114.7	922.7	693.3	452.8	340.0	312.6	320.3	332.3	334.0
25°	1307.2	1238.2	1065.4	835.2	542.8	329.7	277.4	272.3	286.4	301.4	305.7
27.5°	1293.1	1212.1	1010.1	732.7	399.6	265.0	244.0	243.5	254.7	265.8	269.7
30°	1278.1	1182.9	951.8	618.7	289.4	230.7	222.5	222.5	228.1	235.0	234.1
32.5°	1260.5	1153.3	889.2	499.9	235.8	211.4	208.8	207.5	208.4	210.9	210.9
35°	1245.5	1127.2	824.9	374.3	211.4	200.7	198.1	195.1	193.8	192.1	192.9
37.5°	1239.9	1106.6	758.5	282.1	199.4	192.9	188.6	184.4	181.4	180.5	180.1
40°	1248.9	1098.0	692.0	232.4	190.8	184.8	180.1	174.5	171.9	171.9	171.9
42.5°	1284.1	1104.5	624.3	210.1	184.8	177.9	171.1	165.9	165.1	165.9	166.4
45°	1348.4	1129.3	553.9	198.9	179.6	171.1	162.9	159.1	159.1	159.9	159.9
47.5°	1463.3	1194.5	484.5	192.1	174.5	165.5	156.9	153.1	152.6	153.5	153.5
50°	1662.2	1312.0	421.9	187.4	170.6	161.2	152.6	147.5	146.2	145.8	145.8
52.5°	1913.1	1515.6	382.0	183.9	165.9	156.5	147.9	141.1	138.5	137.2	137.2
55°	2216.2	1787.0	382.0	181.4	159.9	150.9	141.1	134.2	130.3	128.6	128.6
57.5°	2559.6	2103.0	448.0	179.2	155.2	144.5	133.8	126.9	122.6	120.0	120.0
60°	2909.0	2437.0	611.4	176.2	150.9	136.3	125.6	119.2	113.6	110.6	110.2
62.5°	3271.3	2804.9	826.6	177.9	147.9	128.6	117.0	109.8	105.0	102.0	101.6
65°	3603.2	3155.1	1014.8	191.2	148.3	121.8	107.2	100.8	96.9	93.0	92.6
67.5°	3884.9	3348.5	882.8	218.2	157.3	113.6	97.3	90.9	87.5	84.9	84.5
70°	3687.6	3053.5	500.8	235.0	169.8	105.0	86.2	81.9	78.5	76.7	76.3
72.5°	3153.4	2585.3	334.9	207.5	154.8	93.9	75.9	72.5	69.9	67.7	67.3
75°	2554.5	2050.3	256.0	170.2	120.5	76.3	65.2	62.6	60.0	57.9	57.5
77.5°	1511.3	1184.6	188.6	134.6	84.9	59.6	54.0	51.9	49.3	47.6	47.2
80°	482.3	411.6	119.6	92.6	56.2	45.9	41.6	39.9	37.3	35.2	34.7
82.5°	183.9	159.1	63.5	47.2	37.3	31.3	27.9	26.2	24.4	22.3	21.9
85°	81.5	76.3	35.2	25.3	20.2	15.4	13.7	12.9	10.7	9.0	8.6
87.5°	28.7	28.7	15.0	7.3	4.3	2.1	1.3	0.4	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)