

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: P630913

Luminaire Tested: GWS-SA1E-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7879.9 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

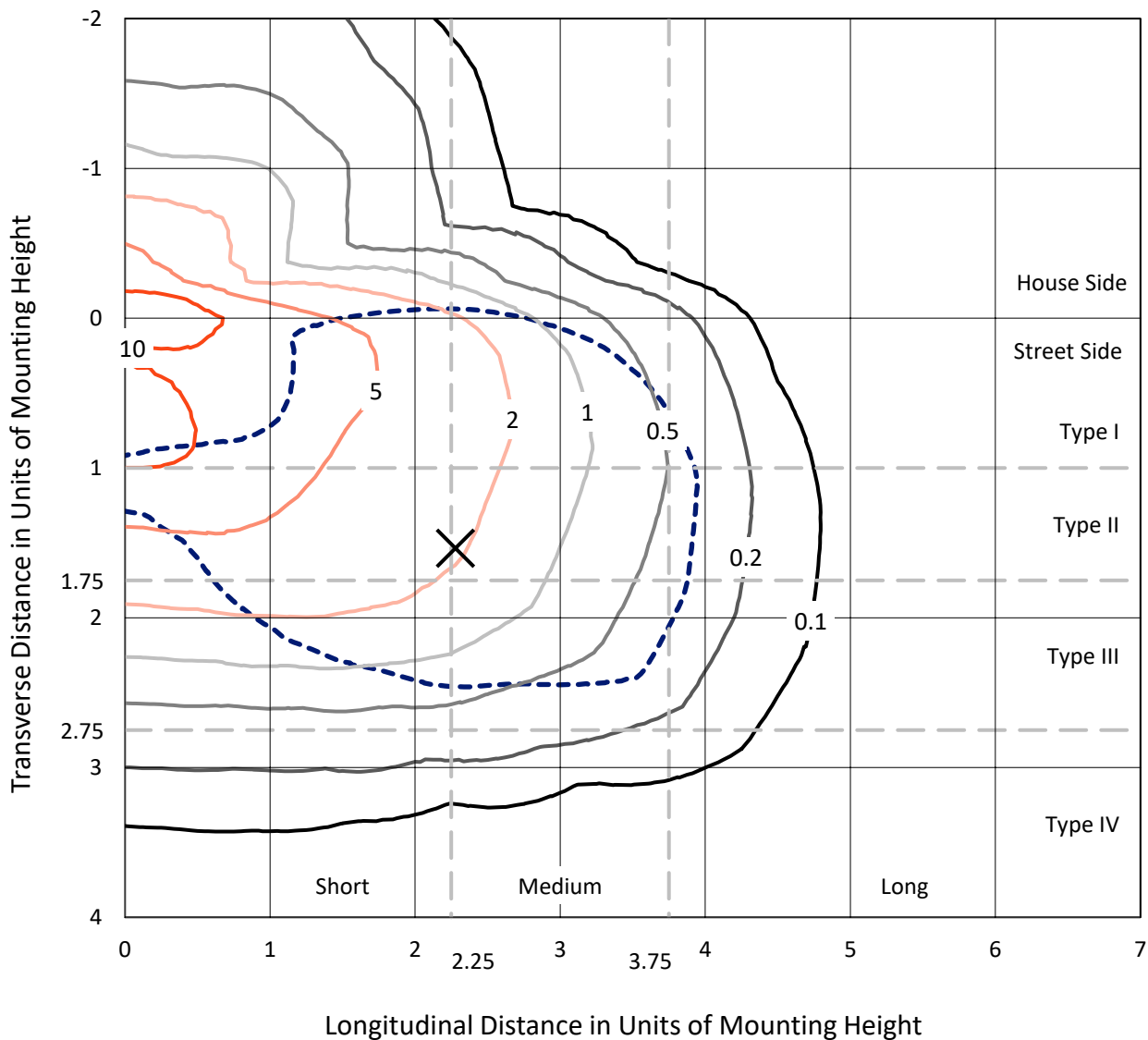
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630913
 CATALOG NUMBER: GWS-SA1E-750-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

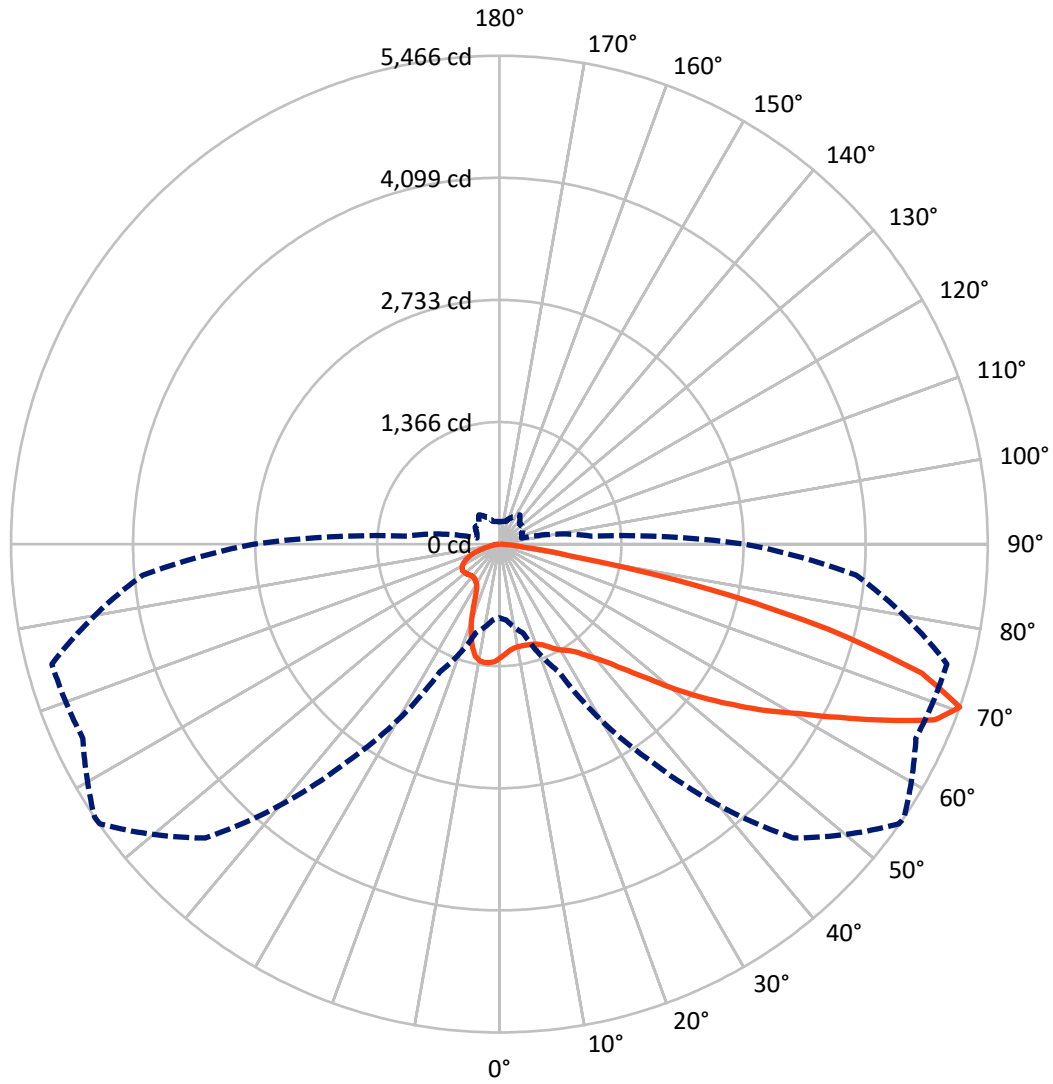
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P630913
CATALOG NUMBER: GWS-SA1E-750-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1514.9	0.0	1514.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	6365.0	0.0	6365.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	7879.9	0.0	7879.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.5
10°-20°	318.9	4.0
20°-30°	527.3	6.7
30°-40°	788.3	10.0
40°-50°	1173.1	14.9
50°-60°	1667.9	21.2
60°-70°	2065.7	26.2
70°-80°	1140.6	14.5
80°-90°	80.3	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°	7879.9	100.0
0°-180°	7879.9	100.0

Coefficient of Utilization



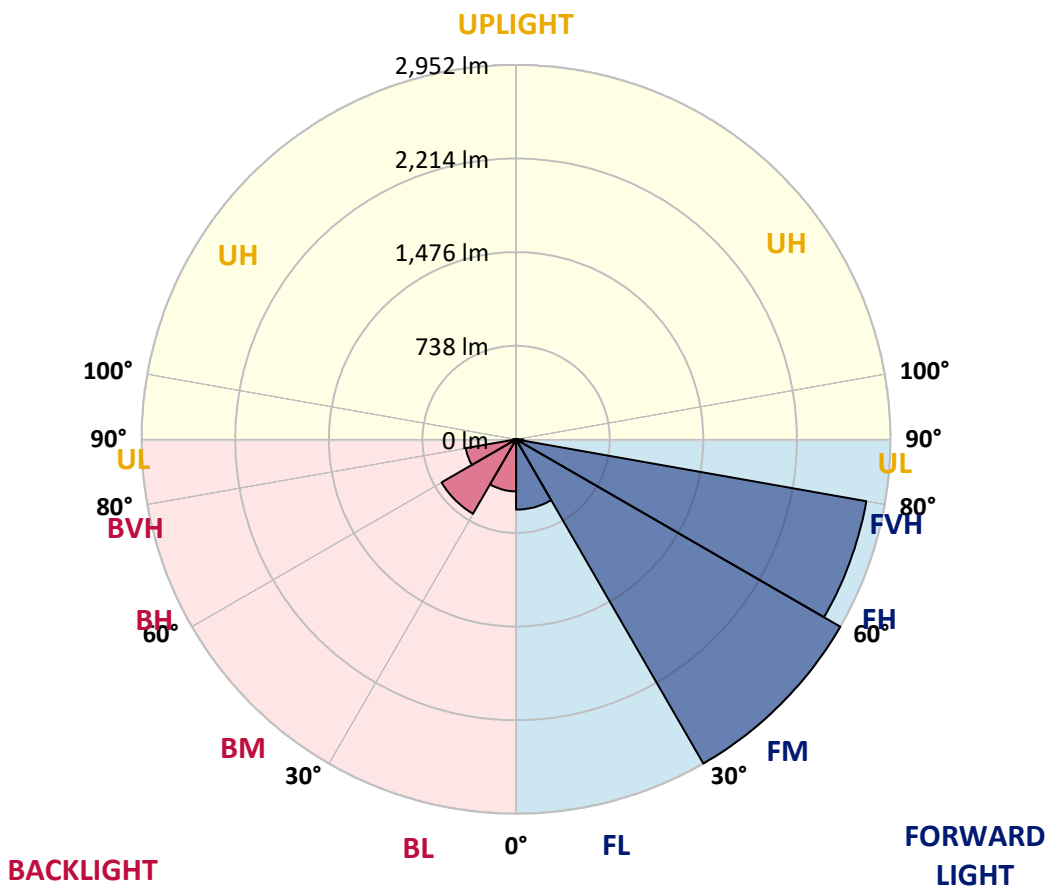
REPORT NUMBER: P630913

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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°)	553.8	7.0			
FM (30°-60°)	2951.7	37.5			
FH (60°-80°)	2803.7	35.6			G2/5000
FVH (80°-90°)	55.8	0.7			G1/100
BL (0°-30°)	410.1	5.2	B1/500		
BM (30°-60°)	677.7	8.6	B1/1000		
BH (60°-80°)	402.7	5.1	B1/500		G1/500
BVH (80°-90°)	24.5	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9
2.5°	1190.3	1183.6	1191.4	1195.3	1205.3	1219.7	1232.5	1233.0	1239.7	1255.8	1271.4
5°	1136.4	1133.0	1135.2	1146.9	1157.5	1175.8	1195.3	1196.9	1215.8	1247.5	1278.6
7.5°	1094.7	1090.2	1098.6	1113.6	1126.9	1147.5	1173.0	1175.2	1201.9	1249.7	1297.5
10°	1034.7	1031.3	1046.9	1066.9	1095.8	1129.7	1163.6	1166.4	1201.4	1264.2	1330.8
12.5°	1008.5	1008.5	1015.2	1034.1	1065.8	1110.8	1161.9	1166.4	1210.3	1286.4	1373.6
15°	1049.1	1051.9	1046.3	1045.2	1058.0	1100.8	1164.1	1170.8	1226.9	1309.2	1415.9
17.5°	1130.8	1133.6	1119.1	1096.3	1083.6	1110.2	1172.5	1179.7	1244.7	1334.2	1461.4
20°	1245.3	1248.6	1216.9	1181.9	1138.0	1137.5	1188.6	1195.3	1267.5	1361.4	1509.8
22.5°	1379.2	1381.4	1341.4	1285.8	1218.6	1188.0	1216.4	1223.0	1296.9	1399.2	1562.0
25°	1534.2	1540.9	1492.5	1412.0	1320.8	1257.5	1262.5	1270.3	1349.7	1449.8	1623.7
27.5°	1699.8	1708.1	1652.6	1563.7	1438.1	1334.2	1321.9	1328.6	1405.9	1480.9	1656.5
30°	1869.3	1875.4	1819.8	1718.1	1564.2	1420.9	1372.0	1375.8	1430.3	1495.9	1689.8
32.5°	2057.7	2052.7	1999.3	1882.1	1709.8	1524.8	1418.6	1417.5	1457.5	1525.9	1737.6
35°	2234.4	2241.6	2184.9	2055.4	1869.8	1653.1	1488.6	1484.2	1515.3	1574.8	1804.8
37.5°	2448.3	2446.1	2378.3	2238.3	2030.4	1775.9	1587.0	1579.2	1590.3	1650.9	1898.7
40°	2601.1	2616.7	2572.8	2442.2	2218.2	1927.1	1702.0	1684.8	1687.6	1744.8	2024.3
42.5°	2726.1	2740.6	2745.0	2661.7	2433.3	2113.8	1845.4	1828.2	1829.8	1911.0	2178.8
45°	2822.3	2841.7	2904.5	2880.1	2675.6	2329.4	2039.3	2021.5	2022.7	2112.7	2365.5
47.5°	2861.7	2882.8	3010.1	3068.4	2932.8	2587.2	2280.5	2254.4	2258.3	2357.7	2578.9
50°	2848.9	2877.3	3049.5	3213.5	3148.4	2849.5	2568.9	2550.5	2535.5	2680.0	2810.6
52.5°	2738.9	2770.0	3045.6	3305.7	3324.6	3097.3	2866.7	2856.2	2852.8	3022.3	3069.5
55°	2415.0	2467.2	2911.7	3330.2	3462.4	3330.7	3189.6	3171.8	3189.0	3389.1	3331.3
57.5°	2235.5	2274.4	2649.5	3302.9	3575.2	3553.0	3511.9	3513.5	3533.0	3787.5	3648.6
60°	2133.2	2178.8	2503.9	3228.5	3683.6	3823.0	3849.2	3849.2	3884.2	4217.0	3970.8
62.5°	1997.6	2043.8	2367.7	3085.1	3783.6	4140.9	4273.1	4271.5	4285.4	4677.7	4285.9
65°	1722.6	1765.4	2094.3	2858.9	3832.5	4491.0	4754.9	4749.9	4722.1	5087.7	4494.3
67.5°	1250.8	1291.4	1604.2	2428.8	3656.3	4773.2	5251.1	5253.3	5087.2	5346.1	4505.4
70°	824.6	852.4	1031.3	1577.6	2973.4	4651.5	5458.9	5465.6	5143.3	5185.0	4009.7
72.5°	514.6	534.0	644.0	940.8	1757.0	3681.9	4925.5	4943.8	4627.1	4556.5	3294.6
75°	341.7	355.1	428.4	548.4	813.0	1992.6	3744.1	3803.0	3708.6	3571.9	2295.5
77.5°	205.6	216.7	272.8	348.4	360.1	778.5	2185.5	2337.7	2351.1	1864.8	961.3
80°	93.9	106.7	150.6	198.9	191.7	271.2	770.7	806.3	951.3	592.3	303.4
82.5°	55.6	61.1	100.0	98.9	81.7	131.7	277.3	284.5	241.7	216.7	129.5
85°	22.2	26.1	42.2	37.2	30.0	42.8	104.5	109.5	105.0	94.5	47.8
87.5°	0.0	0.0	0.0	0.0	0.6	1.1	9.4	10.0	14.4	26.1	14.4
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°	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9	1271.9
2.5°	1281.4	1278.0	1294.7	1307.5	1313.1	1318.6	1313.6	1311.9	1311.9	1300.8	1295.3
5°	1295.3	1296.9	1319.7	1330.3	1330.3	1325.8	1312.5	1303.1	1299.7	1285.3	1281.4
7.5°	1321.4	1328.6	1349.7	1349.2	1333.6	1309.2	1275.8	1250.3	1226.9	1216.9	1210.8
10°	1364.2	1373.6	1388.1	1364.7	1321.4	1256.9	1186.4	1130.8	1097.5	1070.8	1070.8
12.5°	1413.1	1422.0	1419.2	1365.3	1275.8	1155.2	1053.6	989.7	943.0	918.5	918.5
15°	1462.0	1469.2	1439.2	1339.7	1180.8	1020.2	909.1	832.4	791.8	769.1	769.1
17.5°	1511.4	1510.9	1447.5	1280.8	1056.9	870.7	761.8	702.4	688.5	684.6	684.0
20°	1559.2	1546.4	1437.0	1182.5	913.0	720.2	651.2	655.1	675.7	684.6	685.7
22.5°	1613.1	1581.4	1405.9	1056.9	749.6	615.7	620.1	652.4	682.4	695.7	697.4
25°	1668.1	1611.5	1353.6	909.6	612.9	577.3	611.8	647.9	681.8	699.0	700.7
27.5°	1690.4	1611.5	1264.7	739.0	540.1	561.2	599.0	634.0	669.6	689.6	693.5
30°	1708.7	1597.6	1140.2	585.1	510.1	545.7	578.5	610.7	645.7	670.1	674.6
32.5°	1734.3	1585.3	989.7	491.8	496.2	530.7	553.5	580.7	612.4	628.5	626.8
35°	1764.3	1566.4	807.9	447.3	484.5	517.9	534.0	550.1	535.7	535.1	536.8
37.5°	1807.1	1549.8	649.6	427.3	476.8	509.0	522.3	487.9	467.9	459.5	456.2
40°	1868.7	1543.1	512.3	415.6	475.7	508.4	499.0	445.7	418.4	389.5	389.0
42.5°	1946.5	1538.1	423.4	410.1	479.5	521.2	466.8	417.9	361.7	349.0	347.9
45°	2046.5	1530.3	379.0	409.0	489.0	531.2	463.4	379.5	341.2	335.6	335.6
47.5°	2167.1	1518.1	359.0	409.0	499.6	526.8	453.4	371.2	331.7	337.8	341.7
50°	2305.5	1502.5	348.4	407.9	510.1	526.8	432.3	369.5	329.5	361.2	374.0
52.5°	2453.3	1484.8	341.2	403.4	517.3	527.3	433.4	375.1	331.7	366.7	377.3
55°	2616.7	1482.0	331.2	394.0	519.6	512.9	436.2	387.3	335.1	332.3	332.8
57.5°	2822.8	1515.3	324.0	380.1	510.7	483.4	441.8	396.2	331.2	331.7	335.6
60°	3038.4	1578.1	330.1	366.7	492.3	455.7	445.7	391.7	312.3	303.4	304.5
62.5°	3221.8	1625.9	335.1	360.6	465.7	431.2	441.8	381.7	301.7	299.5	304.5
65°	3298.5	1586.4	322.8	347.9	426.8	401.2	433.4	369.0	292.8	284.5	285.1
67.5°	3213.5	1401.4	299.0	319.5	382.9	362.9	420.1	352.3	280.6	270.6	268.4
70°	2745.0	1029.7	257.8	274.5	329.5	317.8	399.5	330.6	261.2	253.9	248.9
72.5°	2212.1	729.0	213.9	218.4	258.4	267.8	364.0	303.4	238.9	218.4	211.2
75°	1539.8	457.9	178.4	173.9	186.7	204.5	283.9	251.7	206.2	184.5	177.8
77.5°	662.4	235.0	139.5	137.3	124.5	141.7	217.8	210.0	172.8	147.8	143.9
80°	221.7	136.1	100.6	96.7	82.8	99.5	153.4	167.8	135.6	109.5	102.8
82.5°	111.1	78.9	63.9	57.8	55.6	62.8	90.6	104.5	93.9	75.6	63.9
85°	54.5	45.0	35.0	34.5	28.9	27.2	37.8	44.5	42.2	31.1	29.5
87.5°	20.0	17.8	11.1	8.9	5.6	3.9	2.2	2.2	1.7	1.7	1.7
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)