

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: P630386

Luminaire Tested: GWS-SA1D-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4917 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

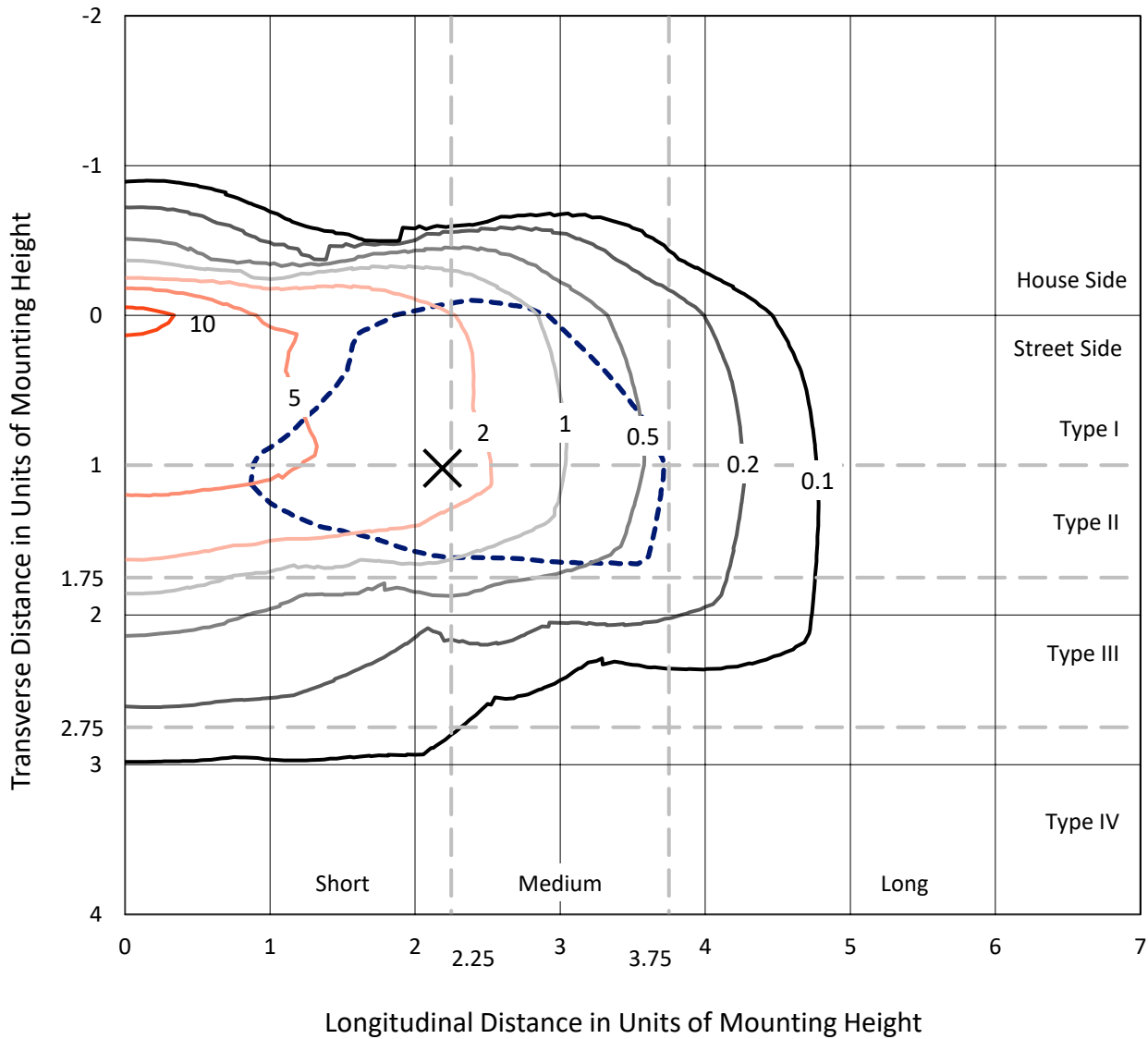
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

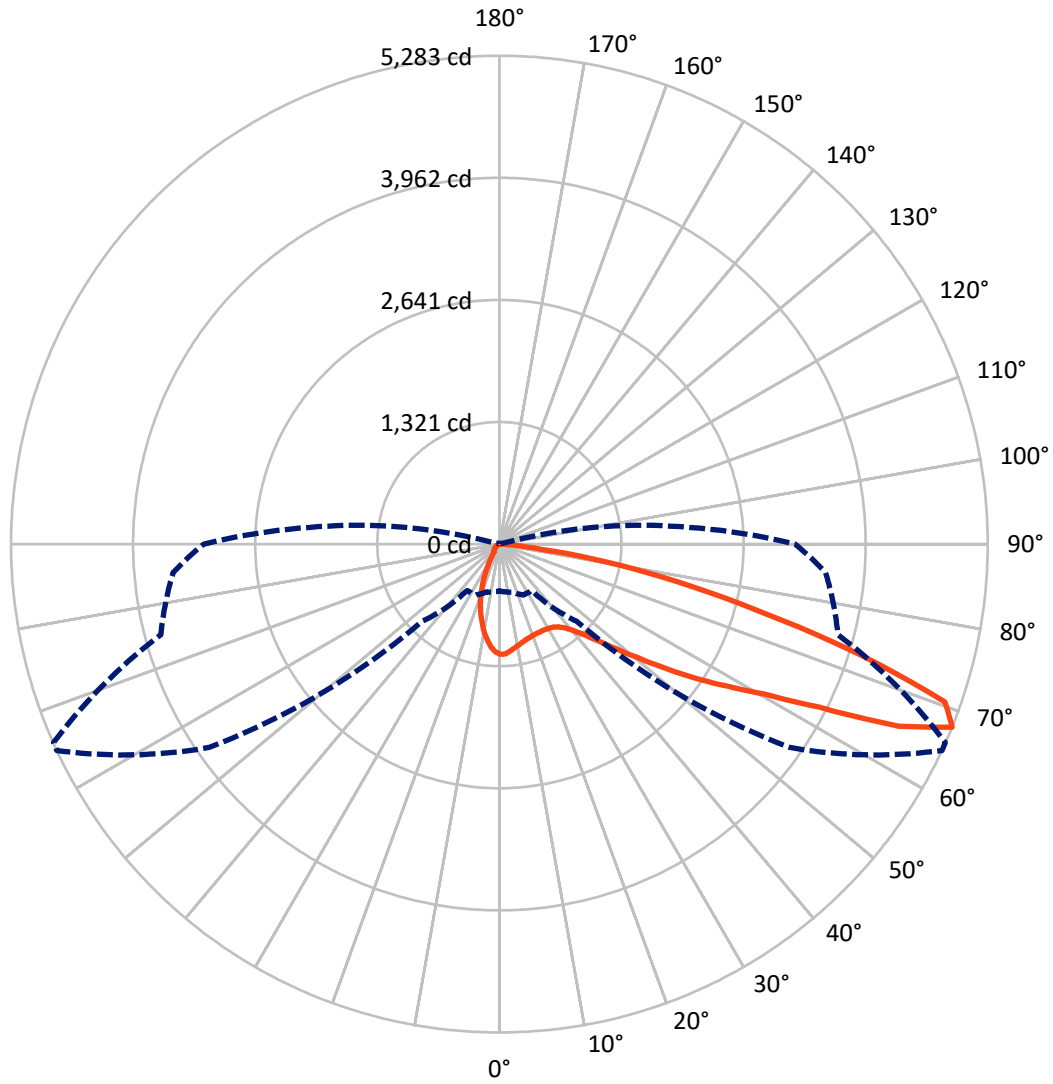
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	614.0	0.0	614.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4303.0	0.0	4303.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	4917.0	0.0	4917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	2.0
10°-20°	222.6	4.5
20°-30°	318.2	6.5
30°-40°	462.9	9.4
40°-50°	724.9	14.7
50°-60°	1130.9	23.0
60°-70°	1242.3	25.3
70°-80°	661.1	13.4
80°-90°	55.0	1.1
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°	4917.0	100.0
0°-180°	4917.0	100.0

Coefficient of Utilization



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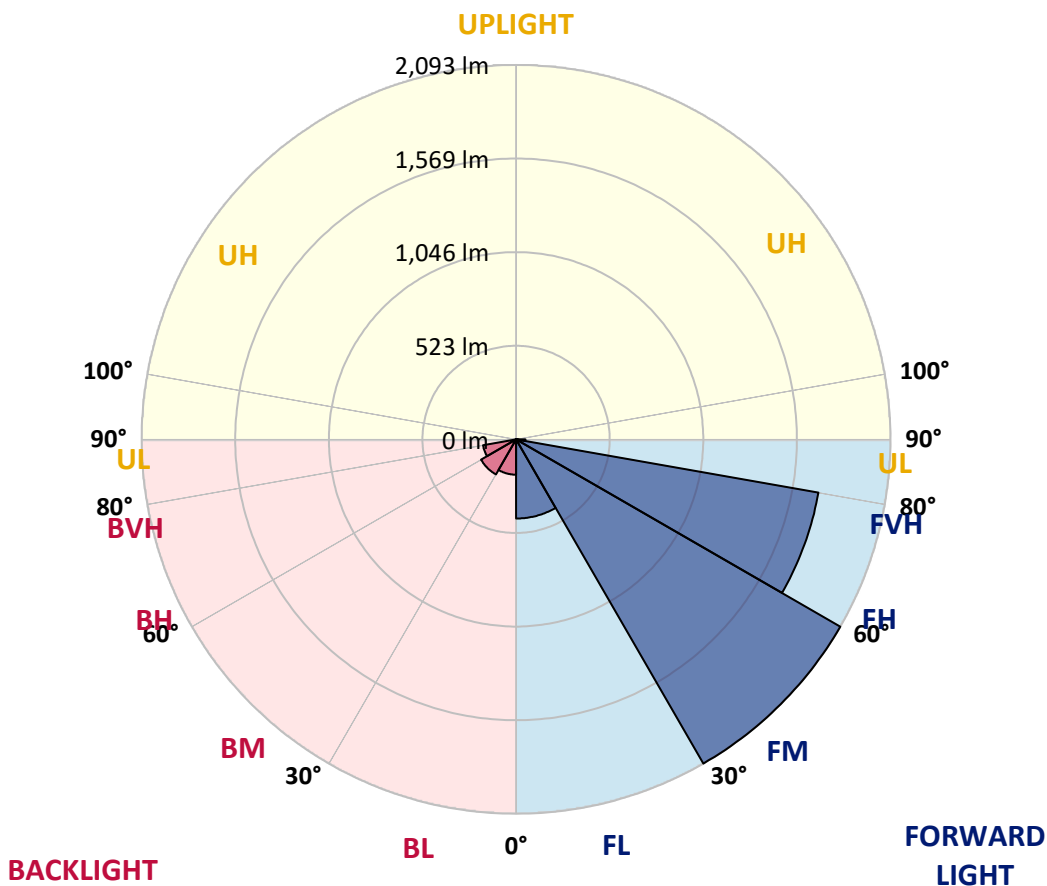
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.5	9.0			
FM (30°-60°)	2092.6	42.6			
FH (60°-80°)	1715.8	34.9			G1/1800
FVH (80°-90°)	52.1	1.1			G1/100
BL (0°-30°)	197.3	4.0	B1/500		
BM (30°-60°)	226.2	4.6	B1/1000		
BH (60°-80°)	187.5	3.8	B1/500		G1/500
BVH (80°-90°)	2.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5
2.5°	1151.2	1154.7	1149.8	1161.8	1164.1	1177.4	1185.0	1190.3	1189.9	1196.5	1196.5
5°	1083.6	1087.1	1084.5	1097.4	1107.6	1128.5	1145.8	1165.8	1166.7	1187.2	1194.8
7.5°	1026.2	1026.7	1026.7	1042.7	1056.0	1081.8	1107.6	1138.3	1141.8	1173.4	1193.4
10°	979.1	980.4	980.9	999.1	1013.8	1044.9	1077.8	1114.7	1118.7	1161.4	1192.5
12.5°	946.6	947.1	948.9	968.0	984.0	1016.4	1049.8	1092.0	1097.4	1147.6	1188.5
15°	931.1	930.2	931.1	947.1	963.1	994.2	1028.5	1073.8	1079.6	1136.1	1189.0
17.5°	930.2	928.9	928.0	940.0	950.2	977.8	1012.4	1061.8	1068.0	1130.7	1193.9
20°	943.1	942.2	937.7	943.1	945.3	968.0	1002.2	1052.5	1058.7	1129.8	1204.5
22.5°	976.9	974.7	968.0	963.1	951.1	964.4	995.1	1045.8	1052.9	1132.1	1218.3
25°	1027.1	1026.2	1017.8	1005.8	975.1	969.8	995.6	1045.8	1052.5	1134.7	1233.0
27.5°	1102.7	1097.4	1086.7	1065.8	1021.8	990.7	1004.4	1048.5	1055.1	1138.3	1245.0
30°	1179.6	1179.2	1175.6	1154.3	1088.9	1030.7	1023.1	1055.6	1061.8	1141.4	1256.1
32.5°	1259.2	1260.6	1269.5	1253.0	1181.4	1090.3	1056.9	1070.3	1074.7	1147.6	1265.9
35°	1334.8	1337.5	1361.0	1366.8	1293.9	1180.5	1112.0	1099.6	1100.0	1161.4	1278.8
37.5°	1407.3	1416.2	1454.0	1482.0	1434.0	1289.9	1191.6	1149.4	1145.8	1189.0	1298.4
40°	1489.5	1506.4	1554.0	1601.6	1586.5	1434.4	1300.1	1225.9	1218.3	1239.7	1333.5
42.5°	1580.7	1598.9	1662.1	1728.8	1735.9	1609.2	1435.7	1337.5	1324.6	1325.0	1399.3
45°	1678.5	1703.0	1776.3	1872.4	1915.5	1803.9	1602.9	1488.2	1475.3	1456.2	1505.1
47.5°	1807.0	1828.4	1899.1	2009.8	2092.5	2012.9	1822.1	1682.1	1658.5	1630.5	1669.6
50°	1917.7	1936.4	1997.3	2136.1	2308.1	2282.3	2070.7	1924.4	1901.7	1854.2	1886.6
52.5°	1942.2	1956.9	2012.9	2169.0	2473.1	2622.5	2375.3	2217.4	2201.4	2113.4	2125.8
55°	1832.4	1854.6	1904.8	2078.3	2516.2	2955.1	2770.6	2547.8	2514.4	2373.9	2396.2
57.5°	1554.9	1594.5	1641.6	1867.0	2399.3	3132.1	3322.8	2897.7	2867.5	2624.7	2625.2
60°	1139.6	1171.6	1203.2	1409.5	2121.8	3120.0	3823.9	3290.8	3235.7	2829.7	2822.1
62.5°	828.8	845.3	844.8	918.2	1457.1	2914.6	4087.1	3883.1	3754.5	3048.9	3005.8
65°	651.8	651.4	670.5	694.5	813.7	2249.9	4119.6	4747.9	4609.1	3342.8	3253.0
67.5°	507.3	517.1	536.2	606.9	611.4	1177.4	3834.1	5282.8	5280.1	3791.5	3542.5
70°	391.3	404.6	431.7	534.9	564.7	659.0	2868.8	5113.4	5156.5	3992.0	3337.5
72.5°	251.2	250.3	290.4	432.2	542.5	549.1	1586.5	4061.8	4110.7	3615.8	2698.5
75°	140.5	141.4	164.1	264.6	505.6	516.7	785.7	2896.4	2935.1	2819.0	2073.4
77.5°	55.1	56.9	76.9	139.2	333.5	461.5	466.9	1975.1	1980.9	1747.0	1271.7
80°	22.2	23.6	39.1	86.3	203.2	310.8	333.5	1163.6	1140.1	676.3	369.9
82.5°	6.7	7.1	15.6	48.9	106.3	221.0	225.0	446.4	421.5	145.4	94.3
85°	0.4	0.4	3.6	15.1	37.8	55.6	149.8	145.4	128.9	36.5	41.8
87.5°	0.0	0.0	0.4	0.4	0.9	1.8	16.0	26.7	27.1	6.7	18.7
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°	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5	1192.5
2.5°	1196.5	1180.5	1179.2	1166.7	1154.3	1138.7	1120.5	1107.2	1097.8	1081.4	1078.3
5°	1194.8	1173.4	1153.4	1117.8	1078.3	1035.6	998.2	963.5	941.7	927.1	920.9
7.5°	1191.2	1164.1	1117.8	1050.7	984.4	909.7	851.5	798.1	761.7	740.3	731.0
10°	1188.5	1152.1	1076.9	975.1	872.4	769.2	680.7	601.6	557.6	522.9	517.1
12.5°	1183.2	1134.7	1024.5	886.6	754.1	617.2	504.2	407.3	340.2	309.9	299.2
15°	1177.9	1116.5	972.0	793.2	625.2	456.2	319.3	225.9	179.6	165.4	164.5
17.5°	1177.0	1100.0	915.1	704.8	490.0	298.8	181.9	146.3	136.5	132.9	132.9
20°	1179.6	1086.3	859.0	602.9	357.0	181.9	135.6	126.7	120.9	117.8	117.8
22.5°	1182.3	1072.0	805.2	500.2	237.0	132.9	119.6	112.0	105.4	101.8	100.0
25°	1184.1	1056.5	745.7	397.1	154.7	115.6	104.9	95.2	87.1	82.7	82.7
27.5°	1183.6	1037.8	685.6	296.1	120.1	102.7	89.8	79.6	71.6	66.7	67.1
30°	1180.1	1017.3	623.4	206.8	104.9	89.8	76.9	66.3	58.2	54.2	53.8
32.5°	1177.4	995.6	551.4	145.4	94.3	78.7	65.4	55.1	48.5	45.4	44.9
35°	1174.3	974.2	482.9	110.7	84.9	68.0	55.1	46.7	41.4	38.7	38.7
37.5°	1175.2	952.0	408.6	95.2	75.6	59.1	47.1	40.0	35.6	32.9	32.5
40°	1189.0	938.6	335.7	86.3	67.1	51.1	40.9	34.7	30.2	27.6	27.1
42.5°	1223.2	939.1	265.9	79.6	59.6	43.6	35.6	29.8	25.8	22.7	22.2
45°	1291.7	957.8	204.1	72.5	51.6	37.8	30.7	25.3	21.3	18.7	18.2
47.5°	1403.7	1013.3	154.7	66.3	44.9	32.9	26.2	21.3	17.8	15.6	15.1
50°	1582.0	1113.8	121.8	58.7	37.8	28.5	22.2	17.8	14.7	12.4	12.0
52.5°	1796.3	1264.6	104.5	52.0	32.5	24.9	19.1	14.7	12.0	10.2	9.8
55°	2042.7	1444.6	96.5	45.4	27.6	21.3	15.6	12.0	9.8	8.4	7.6
57.5°	2268.6	1606.9	96.0	38.7	23.6	18.2	12.9	10.2	8.4	6.7	6.2
60°	2488.7	1742.5	90.3	32.0	20.5	15.1	11.1	8.4	7.1	5.8	5.3
62.5°	2688.3	1852.8	75.6	25.8	17.3	12.4	9.3	7.6	6.2	4.9	4.9
65°	2939.1	1993.3	57.8	20.9	14.2	10.2	8.0	6.7	5.8	4.4	4.4
67.5°	3198.3	2067.6	41.4	17.3	11.6	8.9	7.1	6.2	4.9	4.0	4.0
70°	2896.8	1747.0	29.8	14.2	9.8	7.6	6.2	5.8	4.9	4.0	3.6
72.5°	2262.3	1259.7	22.2	11.1	8.4	7.1	5.8	5.3	4.4	3.6	3.6
75°	1677.6	734.5	16.9	8.9	6.7	5.8	5.8	5.3	4.4	3.6	3.1
77.5°	912.0	256.1	12.9	7.1	5.3	4.4	4.9	4.9	4.0	3.1	2.7
80°	241.4	70.3	8.9	5.3	4.4	3.6	3.6	4.4	3.6	2.7	2.7
82.5°	70.3	20.5	6.2	4.4	3.6	3.1	3.1	3.1	2.7	2.2	1.8
85°	34.2	7.6	4.4	3.6	3.1	2.7	2.2	2.2	1.8	1.3	1.3
87.5°	15.1	3.1	3.6	3.1	3.1	2.2	1.8	1.3	1.3	0.9	0.4
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)