

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: P630915

Luminaire Tested: GWS-SA1E-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7487 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

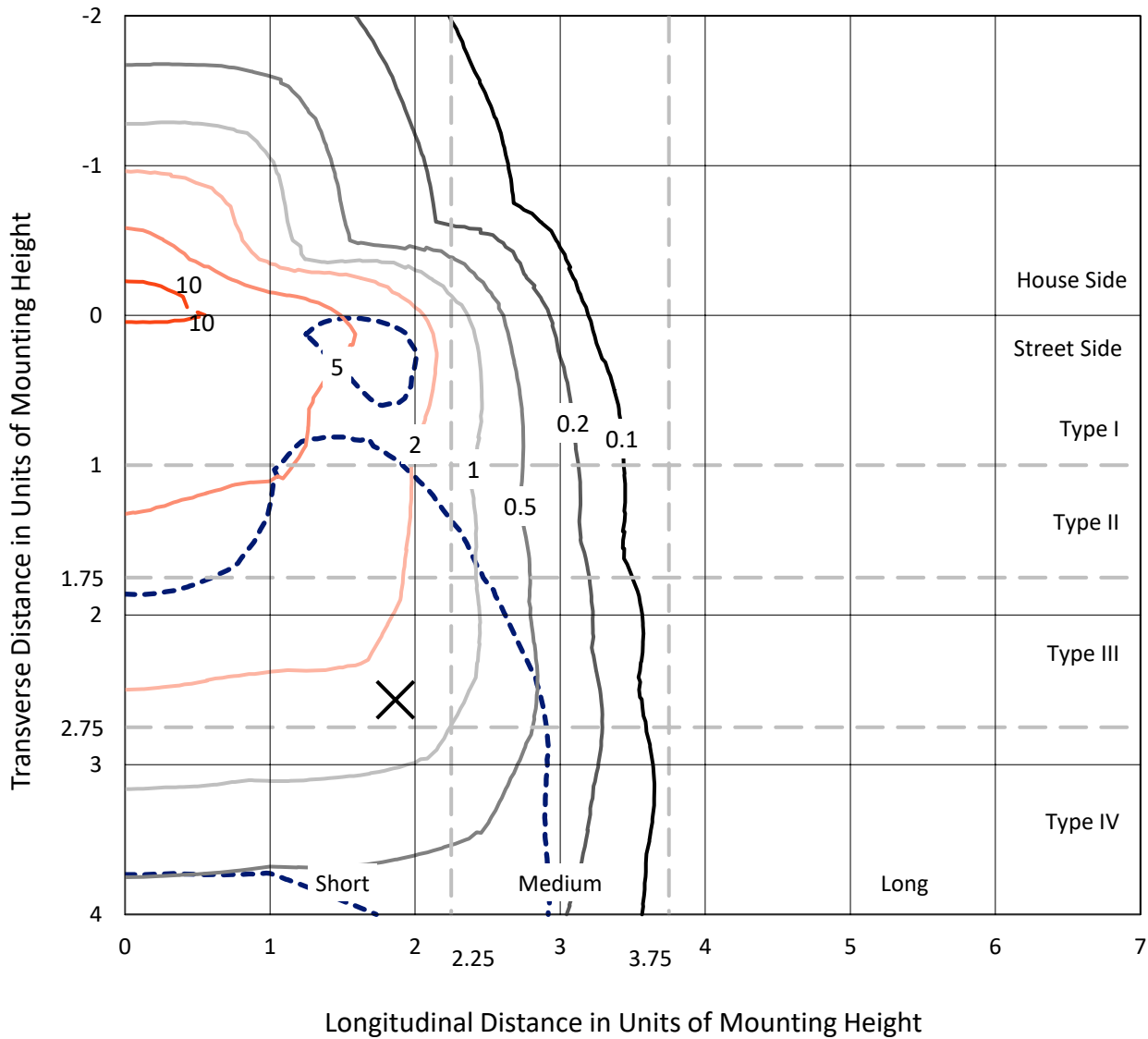
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

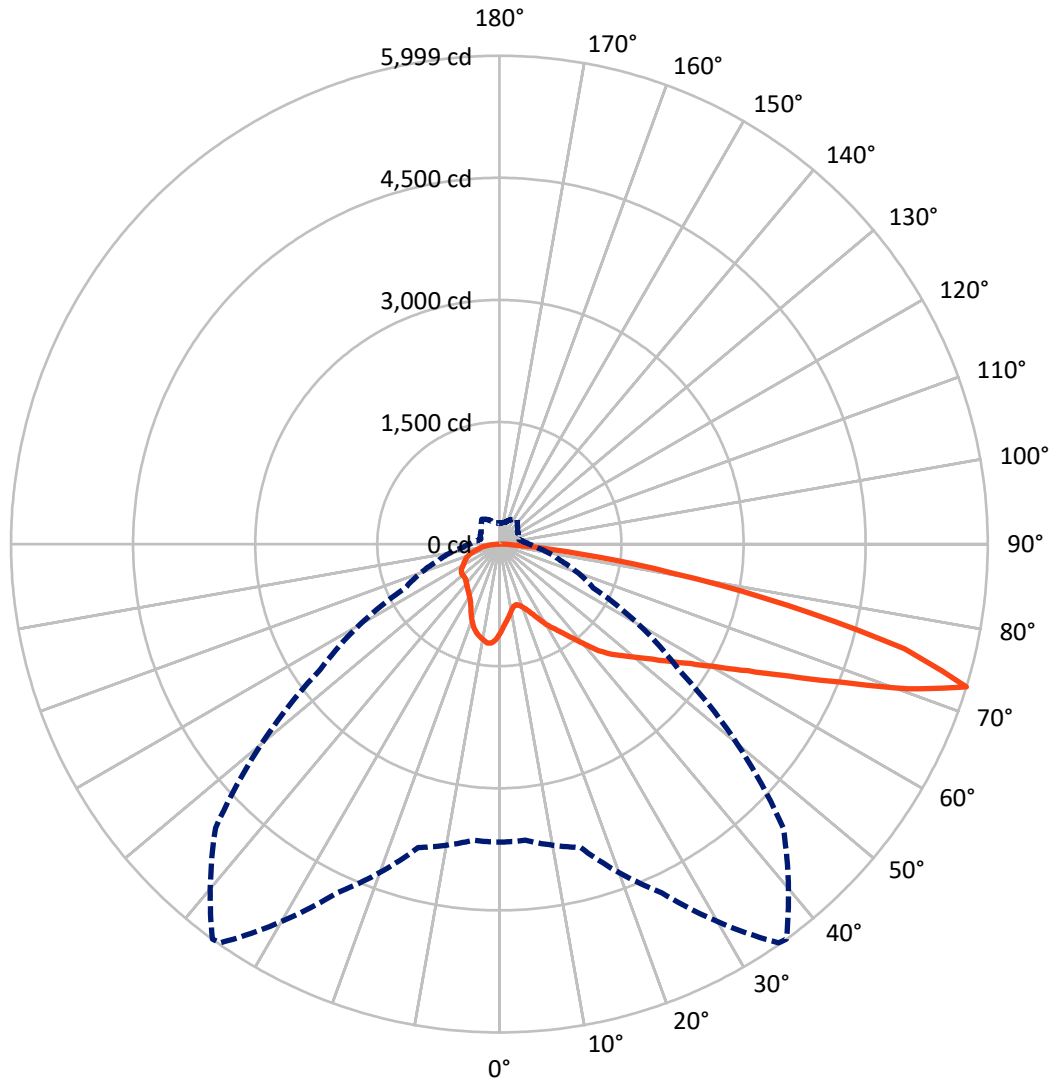
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1726.1	0.0	1726.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5760.9	0.0	5760.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	7487.0	0.0	7487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	1.4
10°-20°	289.0	3.9
20°-30°	478.6	6.4
30°-40°	716.7	9.6
40°-50°	1045.6	14.0
50°-60°	1488.2	19.9
60°-70°	1880.3	25.1
70°-80°	1339.9	17.9
80°-90°	146.3	2.0
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°	7487.0	100.0
0°-180°	7487.0	100.0

Coefficient of Utilization



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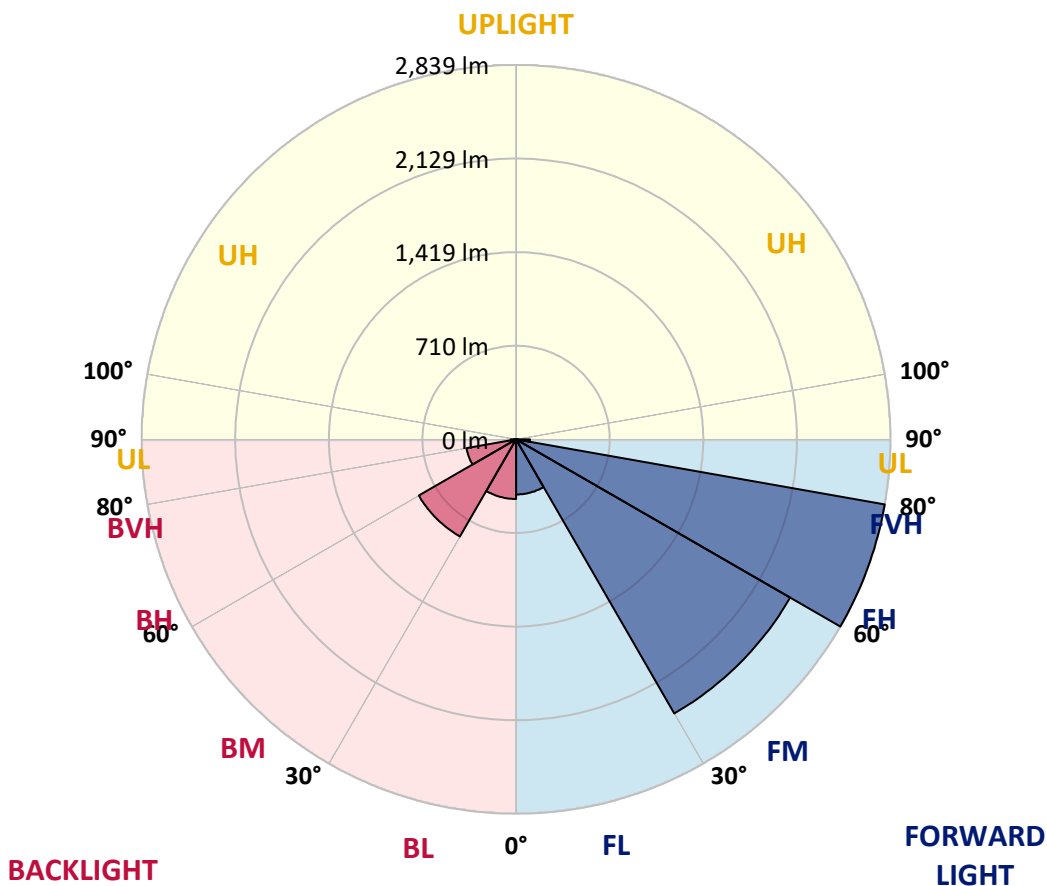
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.0	5.6			
FM (30°-60°)	2399.4	32.0			
FH (60°-80°)	2838.6	37.9			G2/5000
FVH (80°-90°)	105.0	1.4			G2/225
BL (0°-30°)	452.0	6.0	B1/500		
BM (30°-60°)	851.2	11.4	B1/1000		
BH (60°-80°)	381.6	5.1	B1/500		G1/500
BVH (80°-90°)	41.3	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8
2.5°	999.6	998.0	994.6	1004.6	1014.6	1013.5	1027.4	1040.7	1055.2	1070.2	1090.2
5°	919.6	918.5	915.7	930.7	945.7	945.2	968.0	989.6	1019.1	1051.3	1091.3
7.5°	839.6	836.8	840.7	859.6	880.7	882.9	914.1	949.6	992.4	1040.7	1097.4
10°	769.0	768.5	770.1	791.3	822.9	825.2	865.2	914.6	971.3	1035.7	1111.3
12.5°	750.7	749.6	745.1	755.7	779.6	782.9	826.8	887.4	956.8	1038.5	1130.2
15°	780.7	777.9	762.4	757.4	769.0	771.8	809.0	871.3	948.5	1043.5	1154.1
17.5°	832.4	830.7	801.3	780.7	788.5	790.7	818.5	868.5	946.3	1053.5	1183.5
20°	907.9	900.7	854.6	823.5	823.5	826.8	843.5	880.7	949.1	1065.8	1216.9
22.5°	1008.0	993.5	928.5	886.3	875.2	879.6	886.8	911.3	960.7	1086.3	1258.6
25°	1120.2	1106.9	1029.6	970.2	954.6	956.3	950.2	954.6	986.3	1114.6	1310.2
27.5°	1239.7	1230.8	1148.5	1073.0	1048.5	1048.5	1026.9	1016.3	1021.9	1146.9	1368.0
30°	1346.4	1334.1	1264.7	1181.9	1149.7	1149.7	1108.5	1085.8	1072.4	1186.3	1445.3
32.5°	1402.5	1395.3	1349.1	1285.8	1246.3	1240.2	1204.7	1178.0	1146.9	1244.7	1549.7
35°	1475.8	1474.2	1446.4	1396.9	1346.9	1338.0	1313.6	1292.5	1238.6	1317.5	1688.6
37.5°	1568.1	1565.3	1560.8	1531.4	1471.4	1469.7	1448.0	1422.5	1352.5	1422.5	1857.0
40°	1671.4	1666.4	1660.9	1660.3	1624.2	1618.1	1616.4	1587.5	1489.7	1549.2	2032.6
42.5°	1813.7	1796.4	1744.2	1767.5	1794.2	1788.7	1809.8	1766.4	1660.9	1699.8	2198.7
45°	1988.7	1946.5	1843.1	1849.8	1917.0	1928.1	2001.5	1990.9	1849.2	1873.7	2373.8
47.5°	2093.7	2057.0	1960.9	1955.4	2039.3	2053.2	2212.6	2232.6	2052.0	2083.2	2589.9
50°	2179.8	2154.3	2075.4	2083.2	2172.1	2186.0	2422.1	2464.9	2243.2	2297.6	2841.1
52.5°	2283.8	2247.1	2186.0	2222.6	2331.5	2348.2	2654.9	2701.0	2415.4	2533.2	3101.1
55°	2342.1	2327.1	2328.2	2384.3	2521.0	2543.8	2898.9	2891.1	2573.2	2734.9	3296.7
57.5°	2476.6	2471.0	2522.1	2543.2	2742.2	2771.6	3142.8	3076.1	2716.6	2891.1	3390.6
60°	2713.8	2699.9	2744.4	2776.6	3015.6	3057.2	3415.1	3257.3	2813.8	3007.2	3358.9
62.5°	3047.2	3030.0	3031.7	3082.8	3381.7	3425.6	3717.9	3408.4	2843.9	3025.0	3158.4
65°	3461.7	3436.7	3408.4	3477.9	3867.9	3904.6	4047.4	3518.4	2772.2	2853.9	2739.4
67.5°	3899.0	3878.5	3845.1	3990.7	4497.5	4519.7	4416.9	3509.0	2544.9	2396.0	1921.5
70°	3924.6	3929.6	4087.4	4614.2	5319.3	5324.9	4766.4	3318.9	2060.9	1553.1	957.4
72.5°	3661.2	3652.9	3858.5	4728.1	5980.5	5999.4	4931.5	2688.8	1273.6	774.6	449.0
75°	2973.9	2988.3	3204.5	4136.9	5125.9	5142.6	4020.2	1585.3	605.1	379.0	287.3
77.5°	1280.2	1360.8	1787.0	2914.4	3671.2	3619.6	2072.0	642.3	322.8	270.0	220.0
80°	369.5	401.2	636.8	1385.8	2199.8	2161.0	820.2	240.6	225.0	202.8	157.8
82.5°	119.5	132.2	233.4	551.8	985.7	984.6	311.2	142.2	147.2	137.8	101.7
85°	33.3	38.3	71.7	167.3	305.1	298.9	90.0	67.2	78.3	79.5	50.6
87.5°	0.0	0.0	0.6	1.1	1.1	1.1	2.2	10.0	22.8	28.9	20.6
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°	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8	1095.8
2.5°	1102.4	1100.8	1123.5	1141.3	1158.0	1169.1	1172.4	1174.7	1179.1	1181.3	1179.1
5°	1110.2	1118.5	1156.3	1184.1	1206.3	1219.7	1220.2	1219.1	1222.4	1219.7	1218.0
7.5°	1126.9	1143.0	1190.8	1220.2	1234.7	1235.2	1221.9	1206.3	1198.6	1191.9	1189.7
10°	1149.1	1173.0	1225.2	1244.7	1240.2	1219.7	1190.2	1165.8	1151.9	1141.9	1139.7
12.5°	1179.7	1206.3	1255.8	1255.2	1227.4	1190.8	1156.3	1126.9	1106.9	1095.2	1091.3
15°	1208.6	1242.4	1278.0	1251.9	1208.0	1163.5	1119.1	1079.6	1053.0	1034.6	1031.3
17.5°	1244.1	1280.2	1294.1	1241.3	1183.5	1126.3	1066.9	1015.2	979.1	957.4	955.7
20°	1285.2	1317.5	1301.9	1223.0	1151.9	1076.9	996.3	938.5	899.6	878.5	880.2
22.5°	1333.0	1356.4	1304.1	1198.0	1108.0	1006.9	916.8	861.3	835.2	824.0	824.6
25°	1384.1	1399.1	1300.2	1164.1	1040.7	921.3	835.2	809.6	807.4	804.6	805.7
27.5°	1444.7	1441.4	1288.6	1116.3	950.2	821.8	777.9	784.6	793.5	792.4	793.5
30°	1525.8	1494.2	1273.6	1050.2	842.4	738.5	744.0	762.9	774.6	775.7	779.0
32.5°	1618.6	1552.5	1249.7	960.2	739.6	691.8	712.4	735.1	749.0	751.8	756.2
35°	1729.2	1619.2	1207.4	847.9	665.7	664.0	682.9	698.5	713.5	714.6	714.6
37.5°	1856.5	1685.9	1140.2	724.0	620.1	640.1	657.9	661.2	665.1	661.8	663.5
40°	1973.1	1750.3	1044.6	611.2	582.9	619.0	634.0	622.9	610.7	602.3	604.0
42.5°	2070.9	1794.2	917.9	532.3	545.1	600.1	611.8	589.0	565.1	549.5	551.8
45°	2181.0	1834.8	769.0	479.0	512.9	586.8	594.6	565.1	534.5	511.2	507.9
47.5°	2332.6	1917.6	636.8	441.7	490.1	579.6	592.3	552.3	512.3	477.3	473.4
50°	2519.9	2034.8	526.2	417.3	479.5	575.7	591.8	538.4	490.6	449.5	446.7
52.5°	2724.4	2149.3	444.5	398.4	469.0	564.0	589.0	522.9	467.9	423.4	420.1
55°	2860.5	2194.3	389.5	380.6	451.7	545.7	577.9	507.9	433.4	392.8	387.8
57.5°	2900.5	2136.5	351.2	364.5	429.5	520.1	556.8	476.2	412.3	380.1	376.2
60°	2831.6	1990.9	327.3	351.2	405.1	487.3	520.1	457.9	395.6	366.7	364.0
62.5°	2637.1	1766.4	308.9	337.3	380.1	452.9	496.8	435.6	377.3	354.5	350.6
65°	2246.0	1448.6	293.9	322.8	356.2	420.1	471.2	413.4	357.3	340.1	335.6
67.5°	1570.8	1017.4	277.8	305.6	332.3	388.4	444.5	392.8	336.7	323.9	319.5
70°	767.9	539.5	258.4	285.6	306.7	356.2	417.9	367.8	309.5	302.3	296.2
72.5°	365.6	301.7	235.6	258.4	271.7	313.4	373.4	331.7	277.3	261.7	251.2
75°	245.0	214.5	205.6	226.2	229.5	262.8	320.1	286.2	244.5	226.7	217.8
77.5°	185.6	163.9	172.8	191.1	184.5	216.2	263.4	255.0	220.6	204.5	200.0
80°	130.6	119.5	137.2	148.4	143.4	183.9	237.3	218.4	181.7	163.9	160.6
82.5°	82.2	80.0	101.1	102.8	104.5	145.6	195.0	171.7	141.1	116.1	107.8
85°	41.1	45.6	60.6	60.6	60.0	75.0	111.1	96.7	76.1	60.6	58.9
87.5°	13.9	19.4	26.1	21.1	16.1	12.8	14.4	17.8	18.9	18.3	18.3
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)