

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: P630970

Luminaire Tested: GWS-SA1E-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630970
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-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7384.4 lumens
Efficiency: N/A
Efficacy: 126.4 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

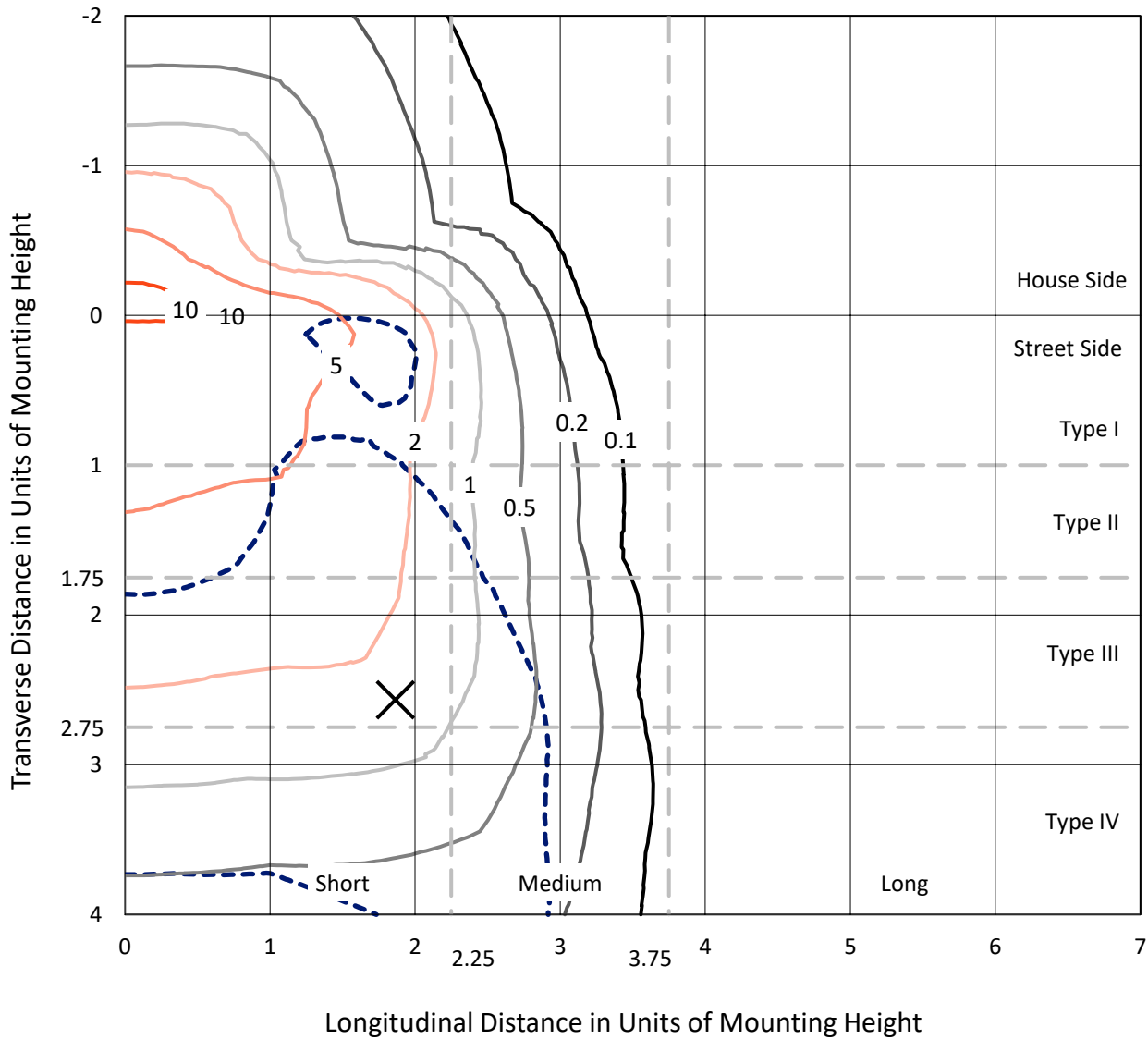
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

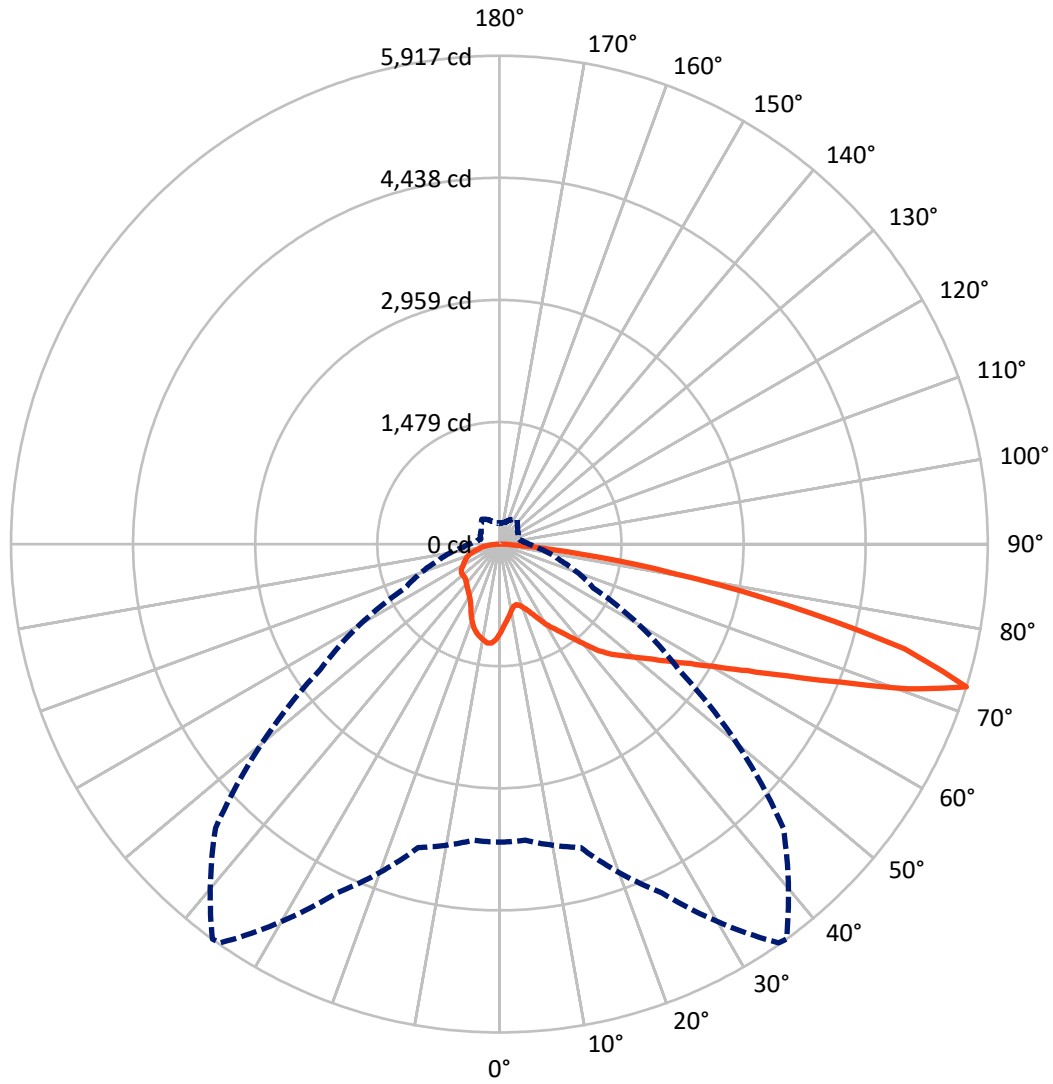
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	1702.4	0.0	1702.4
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5682.0	0.0	5682.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	7384.4	0.0	7384.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	1.4
10°-20°	285.0	3.9
20°-30°	472.0	6.4
30°-40°	706.9	9.6
40°-50°	1031.3	14.0
50°-60°	1467.9	19.9
60°-70°	1854.5	25.1
70°-80°	1321.5	17.9
80°-90°	144.3	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°	7384.4	100.0
0°-180°	7384.4	100.0

Coefficient of Utilization



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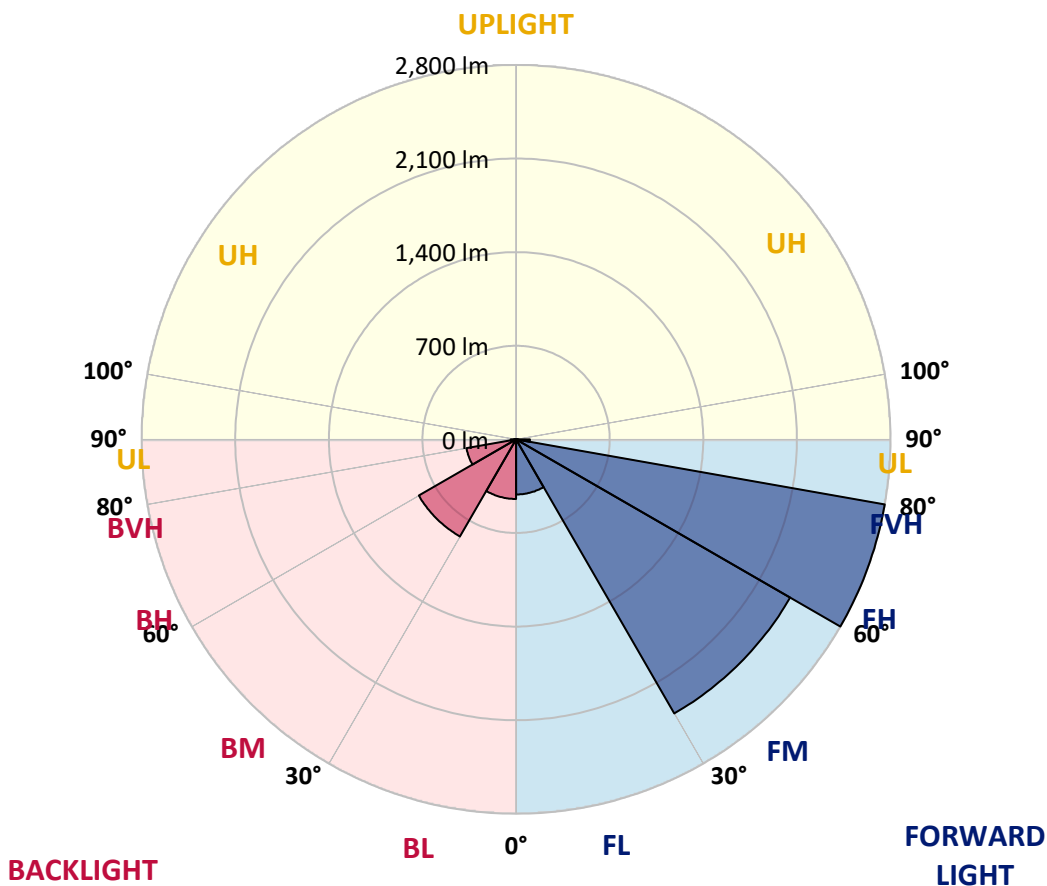
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.3	5.6			
FM (30°-60°)	2366.5	32.0			
FH (60°-80°)	2799.7	37.9			G2/5000
FVH (80°-90°)	103.5	1.4			G2/225
BL (0°-30°)	445.8	6.0	B1/500		
BM (30°-60°)	839.5	11.4	B1/1000		
BH (60°-80°)	376.4	5.1	B1/500		G1/500
BVH (80°-90°)	40.7	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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	985.9	984.3	981.0	990.9	1000.7	999.6	1013.3	1026.5	1040.7	1055.5	1075.3
5°	907.0	905.9	903.2	918.0	932.8	932.2	954.7	976.1	1005.1	1036.9	1076.4
7.5°	828.1	825.4	829.2	847.8	868.6	870.8	901.5	936.6	978.8	1026.5	1082.4
10°	758.5	757.9	759.6	780.4	811.7	813.8	853.3	902.1	958.0	1021.6	1096.1
12.5°	740.4	739.3	734.9	745.3	768.9	772.2	815.5	875.2	943.7	1024.3	1114.7
15°	770.0	767.3	751.9	747.0	758.5	761.2	798.0	859.3	935.5	1029.2	1138.3
17.5°	821.0	819.3	790.3	770.0	777.7	779.9	807.3	856.6	933.3	1039.1	1167.3
20°	895.5	888.4	842.9	812.2	812.2	815.5	831.9	868.6	936.1	1051.1	1200.2
22.5°	994.1	979.9	915.8	874.1	863.2	867.6	874.7	898.8	947.6	1071.4	1241.3
25°	1104.9	1091.7	1015.5	956.9	941.5	943.2	937.2	941.5	972.8	1099.4	1292.3
27.5°	1222.7	1213.9	1132.8	1058.3	1034.2	1034.2	1012.8	1002.4	1007.9	1131.2	1349.3
30°	1327.9	1315.9	1247.3	1165.7	1133.9	1133.9	1093.3	1070.9	1057.7	1170.1	1425.5
32.5°	1383.3	1376.1	1330.6	1268.2	1229.3	1223.2	1188.2	1161.9	1131.2	1227.6	1528.5
35°	1455.6	1454.0	1426.6	1377.8	1328.5	1319.7	1295.6	1274.7	1221.6	1299.4	1665.5
37.5°	1546.6	1543.8	1539.5	1510.4	1451.2	1449.6	1428.2	1403.0	1333.9	1403.0	1831.6
40°	1648.5	1643.6	1638.1	1637.6	1601.9	1595.9	1594.3	1565.8	1469.3	1527.9	2004.7
42.5°	1788.8	1771.8	1720.3	1743.3	1769.6	1764.1	1785.0	1742.2	1638.1	1676.5	2168.6
45°	1961.4	1919.8	1817.9	1824.4	1890.7	1901.7	1974.0	1963.6	1823.9	1848.0	2341.2
47.5°	2065.0	2028.9	1934.0	1928.6	2011.3	2025.0	2182.3	2202.0	2023.9	2054.6	2554.4
50°	2150.0	2124.8	2046.9	2054.6	2142.3	2156.0	2388.9	2431.1	2212.4	2266.2	2802.1
52.5°	2252.5	2216.3	2156.0	2192.2	2299.6	2316.0	2618.5	2664.0	2382.3	2498.5	3058.6
55°	2310.0	2295.2	2296.3	2351.7	2486.5	2508.9	2859.1	2851.5	2538.0	2697.5	3251.5
57.5°	2442.6	2437.1	2487.6	2508.4	2704.6	2733.6	3099.7	3034.0	2679.4	2851.5	3344.2
60°	2676.6	2662.9	2706.8	2738.6	2974.2	3015.3	3368.3	3212.6	2775.3	2966.0	3312.9
62.5°	3005.5	2988.5	2990.1	3040.5	3335.4	3378.7	3667.0	3361.7	2804.9	2983.5	3115.1
65°	3414.3	3389.6	3361.7	3430.2	3814.9	3851.1	3991.9	3470.2	2734.2	2814.7	2701.9
67.5°	3845.6	3825.3	3792.5	3936.0	4435.9	4457.8	4356.4	3460.9	2510.0	2363.2	1895.1
70°	3870.8	3875.8	4031.4	4550.9	5246.4	5251.9	4701.1	3273.5	2032.7	1531.8	944.3
72.5°	3611.1	3602.8	3805.6	4663.3	5898.6	5917.2	4863.9	2652.0	1256.1	764.0	442.8
75°	2933.1	2947.4	3160.6	4080.2	5055.7	5072.1	3965.1	1563.6	596.8	373.8	283.3
77.5°	1262.7	1342.2	1762.5	2874.5	3620.9	3569.9	2043.7	633.5	318.4	266.3	217.0
80°	364.4	395.7	628.1	1366.8	2169.7	2131.3	808.9	237.3	222.0	200.0	155.6
82.5°	117.8	130.4	230.2	544.2	972.2	971.1	306.9	140.3	145.2	135.9	100.3
85°	32.9	37.8	70.7	165.0	300.9	294.8	88.8	66.3	77.3	78.4	49.9
87.5°	0.0	0.0	0.5	1.1	1.1	1.1	2.2	9.9	22.5	28.5	20.3
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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1087.3	1085.7	1108.1	1125.7	1142.1	1153.1	1156.4	1158.6	1162.9	1165.1	1162.9
5°	1095.0	1103.2	1140.5	1167.9	1189.8	1203.0	1203.5	1202.4	1205.7	1203.0	1201.3
7.5°	1111.4	1127.3	1174.5	1203.5	1217.8	1218.3	1205.1	1189.8	1182.1	1175.6	1173.4
10°	1133.4	1156.9	1208.4	1227.6	1223.2	1203.0	1173.9	1149.8	1136.1	1126.2	1124.0
12.5°	1163.5	1189.8	1238.6	1238.0	1210.6	1174.5	1140.5	1111.4	1091.7	1080.2	1076.4
15°	1192.0	1225.4	1260.5	1234.7	1191.4	1147.6	1103.8	1064.8	1038.5	1020.5	1017.2
17.5°	1227.1	1262.7	1276.4	1224.3	1167.3	1110.9	1052.2	1001.3	965.7	944.3	942.6
20°	1267.6	1299.4	1284.1	1206.2	1136.1	1062.1	982.6	925.6	887.3	866.5	868.1
22.5°	1314.8	1337.8	1286.3	1181.6	1092.8	993.1	904.3	849.5	823.7	812.7	813.3
25°	1365.2	1380.0	1282.4	1148.1	1026.5	908.7	823.7	798.5	796.3	793.6	794.7
27.5°	1424.9	1421.6	1270.9	1101.0	937.2	810.6	767.3	773.8	782.6	781.5	782.6
30°	1504.9	1473.7	1256.1	1035.8	830.8	728.3	733.8	752.5	764.0	765.1	768.4
32.5°	1596.4	1531.2	1232.5	947.0	729.4	682.3	702.6	725.1	738.8	741.5	745.9
35°	1705.5	1597.0	1190.9	836.3	656.6	654.9	673.5	688.9	703.7	704.8	704.8
37.5°	1831.0	1662.8	1124.6	714.1	611.6	631.3	648.9	652.2	656.0	652.7	654.4
40°	1946.1	1726.3	1030.3	602.8	574.9	610.5	625.3	614.4	602.3	594.1	595.7
42.5°	2042.6	1769.6	905.4	525.0	537.6	591.9	603.4	580.9	557.4	542.0	544.2
45°	2151.1	1809.6	758.5	472.4	505.8	578.7	586.4	557.4	527.2	504.2	500.9
47.5°	2300.7	1891.3	628.1	435.7	483.4	571.6	584.2	544.8	505.3	470.8	466.9
50°	2485.4	2006.9	519.0	411.6	473.0	567.8	583.7	531.1	483.9	443.4	440.6
52.5°	2687.1	2119.8	438.4	392.9	462.5	556.3	580.9	515.7	461.5	417.6	414.3
55°	2821.3	2164.2	384.2	375.4	445.6	538.2	570.0	500.9	427.5	387.5	382.5
57.5°	2860.8	2107.2	346.4	359.5	423.6	513.0	549.1	469.7	406.6	374.9	371.0
60°	2792.8	1963.6	322.8	346.4	399.5	480.6	513.0	451.6	390.2	361.7	359.0
62.5°	2601.0	1742.2	304.7	332.7	374.9	446.7	490.0	429.7	372.1	349.7	345.8
65°	2215.2	1428.7	289.9	318.4	351.3	414.3	464.7	407.7	352.4	335.4	331.0
67.5°	1549.3	1003.5	274.0	301.4	327.7	383.1	438.4	387.5	332.1	319.5	315.1
70°	757.4	532.1	254.8	281.7	302.5	351.3	412.1	362.8	305.3	298.1	292.1
72.5°	360.6	297.6	232.4	254.8	268.0	309.1	368.3	327.2	273.5	258.1	247.7
75°	241.7	211.5	202.8	223.1	226.3	259.2	315.7	282.2	241.1	223.6	214.8
77.5°	183.0	161.7	170.4	188.5	182.0	213.2	259.8	251.6	217.6	201.7	197.3
80°	128.8	117.8	135.4	146.3	141.4	181.4	234.0	215.4	179.2	161.7	158.4
82.5°	81.1	78.9	99.7	101.4	103.0	143.6	192.4	169.3	139.2	114.5	106.3
85°	40.6	44.9	59.7	59.7	59.2	74.0	109.6	95.4	75.1	59.7	58.1
87.5°	13.7	19.2	25.8	20.8	15.9	12.6	14.2	17.5	18.6	18.1	18.1
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)