

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: P631465

Luminaire Tested: GWS-SA1F-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631465
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-SA1F-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: 8210.1 lumens
Efficiency: N/A
Efficacy: 122.2 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

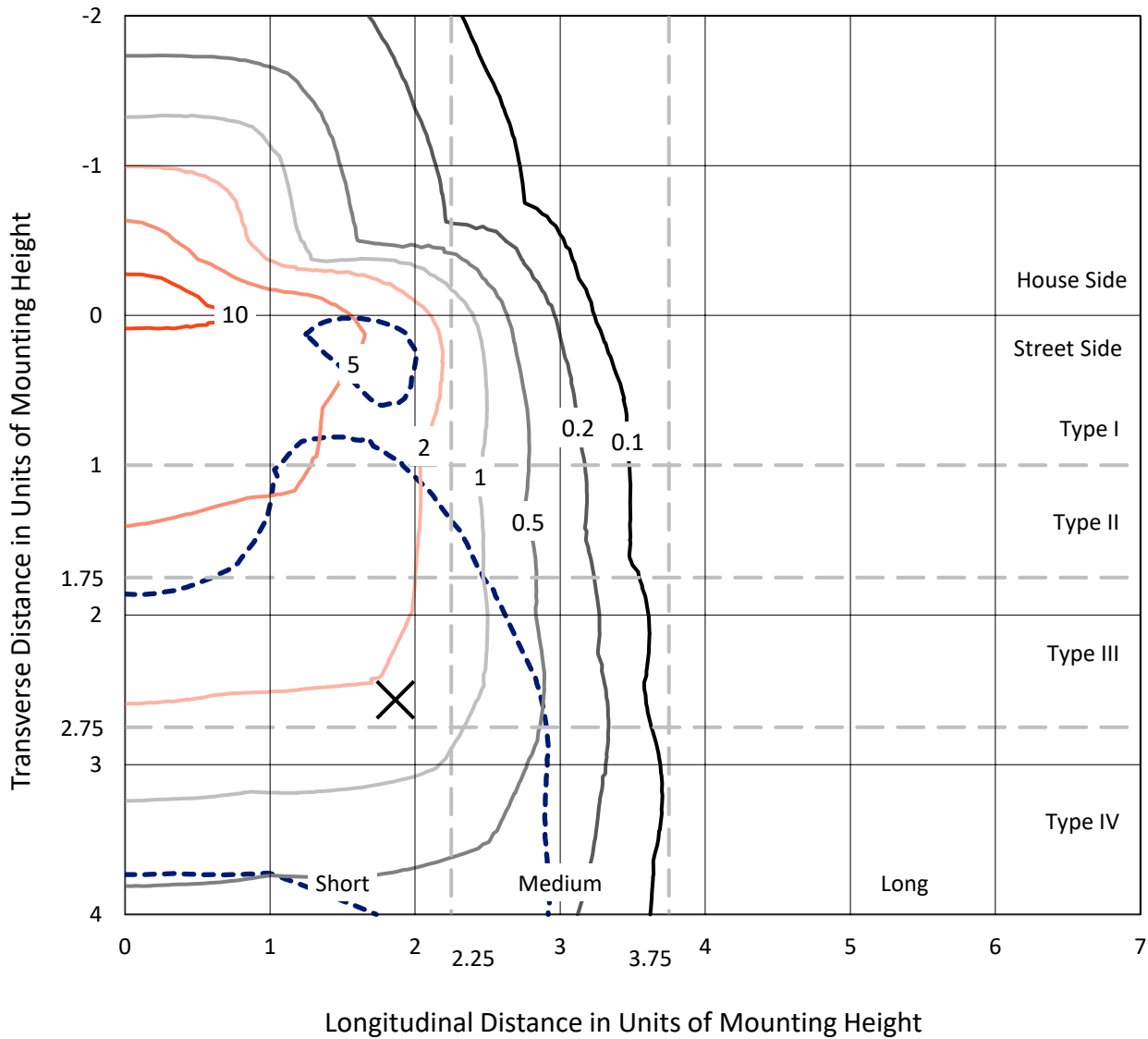
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

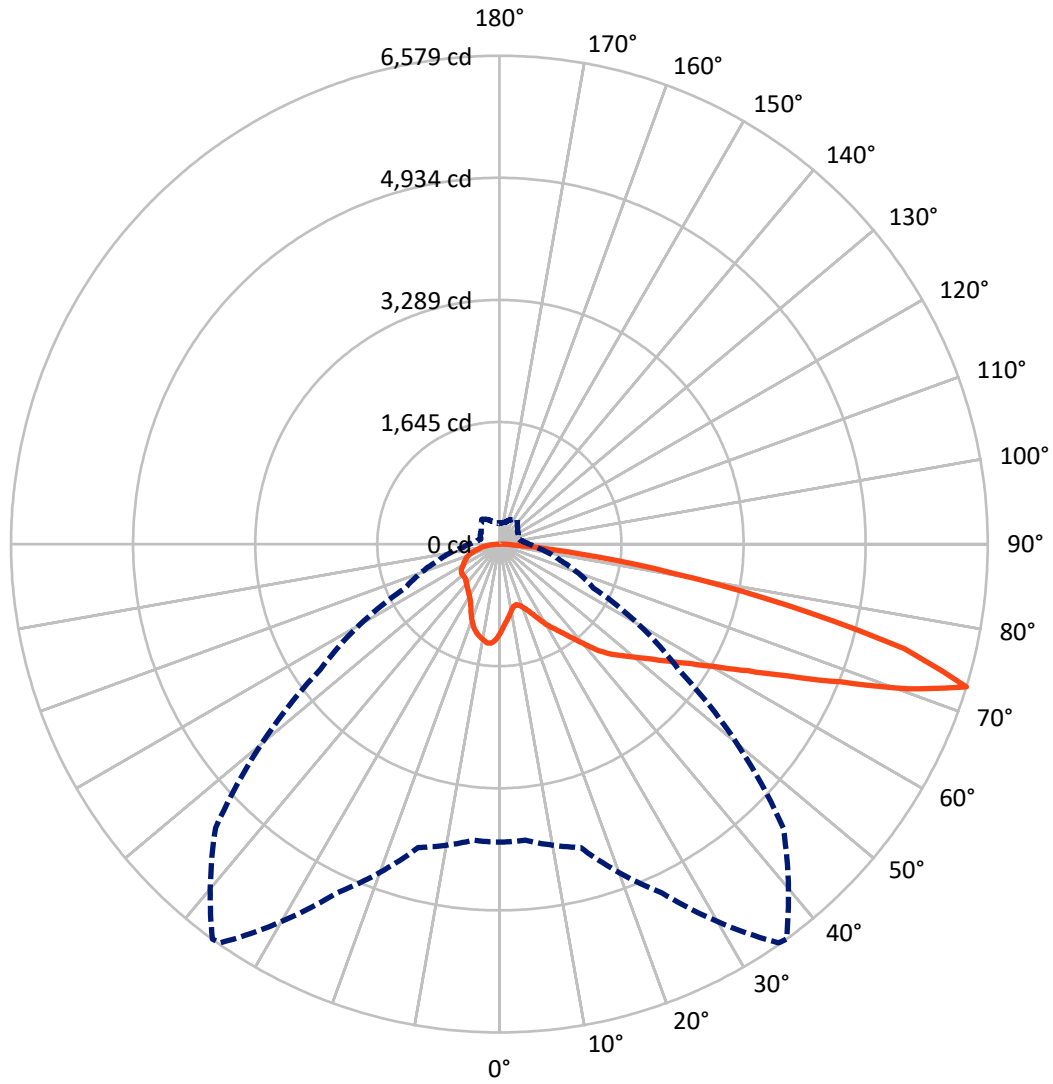
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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	1892.8	0.0	1892.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6317.3	0.0	6317.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	8210.1	0.0	8210.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	1.4
10°-20°	316.9	3.9
20°-30°	524.8	6.4
30°-40°	785.9	9.6
40°-50°	1146.6	14.0
50°-60°	1632.0	19.9
60°-70°	2061.9	25.1
70°-80°	1469.3	17.9
80°-90°	160.4	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°	8210.1	100.0
0°-180°	8210.1	100.0

Coefficient of Utilization



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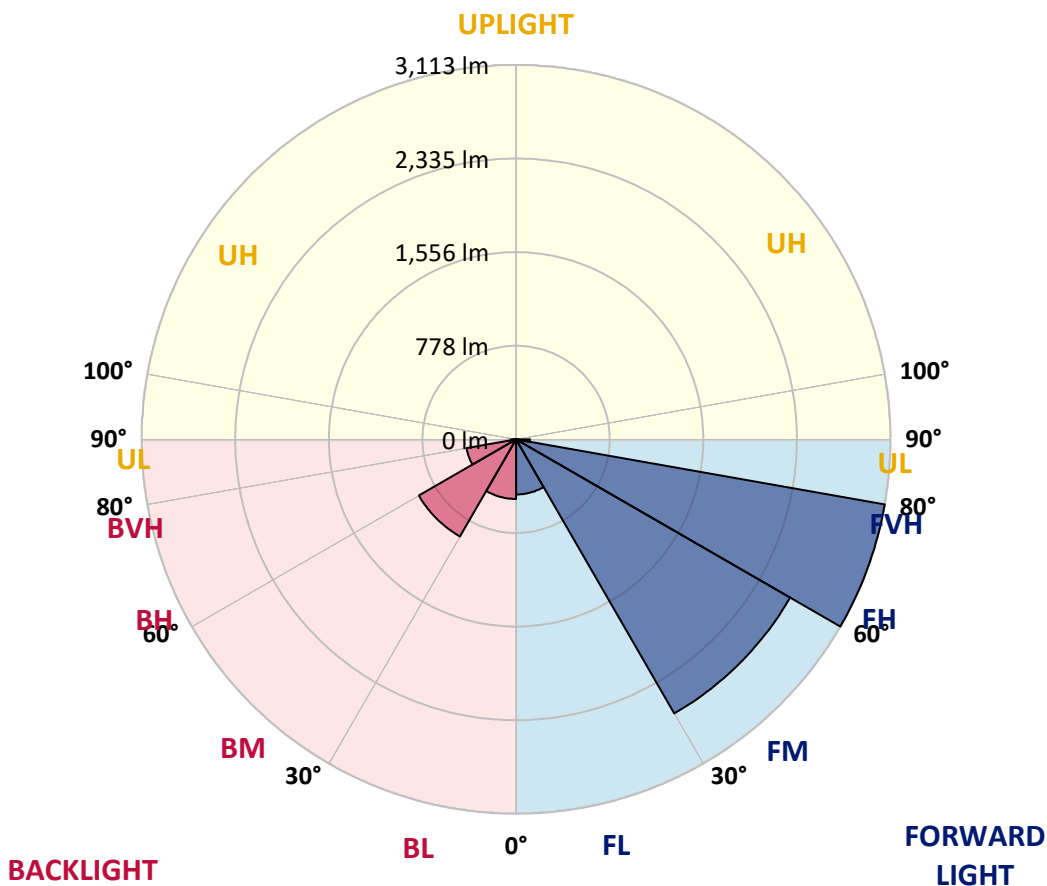
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.3	5.6			
FM (30°-60°)	2631.1	32.0			
FH (60°-80°)	3112.7	37.9			G2/5000
FVH (80°-90°)	115.1	1.4			G2/225
BL (0°-30°)	495.7	6.0	B1/500		
BM (30°-60°)	933.4	11.4	B1/1000		
BH (60°-80°)	418.4	5.1	B1/500		G1/500
BVH (80°-90°)	45.3	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°	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6
2.5°	1096.2	1094.3	1090.7	1101.7	1112.6	1111.4	1126.6	1141.3	1157.1	1173.6	1195.5
5°	1008.4	1007.2	1004.2	1020.6	1037.1	1036.5	1061.4	1085.2	1117.5	1152.8	1196.7
7.5°	920.7	917.6	921.9	942.6	965.8	968.2	1002.3	1041.3	1088.3	1141.3	1203.4
10°	843.3	842.7	844.5	867.7	902.4	904.8	948.7	1002.9	1065.1	1135.8	1218.6
12.5°	823.2	822.0	817.1	828.7	854.9	858.5	906.7	973.1	1049.3	1138.8	1239.4
15°	856.1	853.1	836.0	830.5	843.3	846.3	887.2	955.4	1040.1	1144.3	1265.6
17.5°	912.8	910.9	878.6	856.1	864.6	867.1	897.5	952.4	1037.7	1155.3	1297.9
20°	995.6	987.7	937.1	903.0	903.0	906.7	925.0	965.8	1040.7	1168.7	1334.4
22.5°	1105.3	1089.5	1018.2	971.9	959.7	964.6	972.5	999.3	1053.5	1191.2	1380.1
25°	1228.4	1213.8	1129.1	1063.9	1046.8	1048.6	1041.9	1046.8	1081.5	1222.3	1436.8
27.5°	1359.4	1349.7	1259.5	1176.6	1149.8	1149.8	1126.0	1114.5	1120.5	1257.6	1500.2
30°	1476.4	1463.0	1386.8	1296.0	1260.7	1260.7	1215.6	1190.6	1176.0	1300.9	1584.8
32.5°	1537.9	1530.0	1479.4	1410.0	1366.7	1360.0	1321.0	1291.8	1257.6	1364.9	1699.4
35°	1618.4	1616.5	1586.1	1531.8	1477.0	1467.2	1440.4	1417.3	1358.2	1444.7	1851.7
37.5°	1719.5	1716.5	1711.6	1679.3	1613.5	1611.7	1587.9	1559.9	1483.1	1559.9	2036.4
40°	1832.8	1827.4	1821.3	1820.7	1781.1	1774.3	1772.5	1740.8	1633.6	1698.8	2228.9
42.5°	1988.8	1969.9	1912.7	1938.3	1967.5	1961.4	1984.6	1937.0	1821.3	1863.9	2411.1
45°	2180.8	2134.5	2021.1	2028.4	2102.2	2114.4	2194.8	2183.2	2027.8	2054.6	2603.0
47.5°	2295.9	2255.7	2150.3	2144.2	2236.2	2251.4	2426.3	2448.3	2250.2	2284.4	2840.1
50°	2390.4	2362.3	2275.8	2284.4	2381.8	2397.1	2656.0	2703.0	2459.8	2519.6	3115.5
52.5°	2504.3	2464.1	2397.1	2437.3	2556.7	2575.0	2911.3	2961.9	2648.7	2777.9	3400.6
55°	2568.3	2551.8	2553.1	2614.6	2764.5	2789.5	3178.8	3170.3	2821.8	2999.1	3615.1
57.5°	2715.8	2709.7	2765.7	2788.9	3007.0	3039.3	3446.3	3373.2	2979.0	3170.3	3718.1
60°	2975.9	2960.7	3009.4	3044.8	3306.8	3352.5	3744.9	3571.9	3085.6	3297.7	3683.4
62.5°	3341.5	3322.6	3324.5	3380.5	3708.3	3756.5	4077.0	3737.6	3118.5	3317.2	3463.4
65°	3796.1	3768.7	3737.6	3813.8	4241.5	4281.7	4438.3	3858.2	3039.9	3129.5	3004.0
67.5°	4275.6	4253.1	4216.5	4376.2	4931.9	4956.2	4843.5	3847.9	2790.7	2627.4	2107.0
70°	4303.6	4309.1	4482.2	5059.8	5833.0	5839.1	5226.8	3639.5	2260.0	1703.1	1049.9
72.5°	4014.8	4005.7	4231.1	5184.7	6558.1	6578.9	5407.7	2948.5	1396.6	849.4	492.3
75°	3261.1	3276.9	3514.0	4536.4	5621.0	5639.3	4408.5	1738.4	663.6	415.6	315.0
77.5°	1403.9	1492.2	1959.6	3195.9	4025.8	3969.1	2272.2	704.4	354.0	296.1	241.3
80°	405.2	439.9	698.3	1519.7	2412.3	2369.7	899.4	263.8	246.8	222.4	173.0
82.5°	131.0	145.0	255.9	605.1	1080.9	1079.7	341.2	156.0	161.5	151.1	111.5
85°	36.6	42.0	78.6	183.4	334.5	327.8	98.7	73.7	85.9	87.1	55.4
87.5°	0.0	0.0	0.6	1.2	1.2	1.2	2.4	11.0	25.0	31.7	22.5
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°	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6	1201.6
2.5°	1208.9	1207.1	1232.1	1251.5	1269.8	1282.0	1285.7	1288.1	1293.0	1295.4	1293.0
5°	1217.4	1226.6	1268.0	1298.5	1322.8	1337.5	1338.1	1336.9	1340.5	1337.5	1335.6
7.5°	1235.7	1253.4	1305.8	1338.1	1353.9	1354.5	1339.9	1322.8	1314.3	1307.0	1304.6
10°	1260.1	1286.3	1343.6	1364.9	1360.0	1337.5	1305.2	1278.4	1263.1	1252.2	1249.7
12.5°	1293.6	1322.8	1377.1	1376.5	1346.0	1305.8	1268.0	1235.7	1213.8	1201.0	1196.7
15°	1325.3	1362.4	1401.4	1372.8	1324.7	1275.9	1227.2	1183.9	1154.7	1134.6	1130.9
17.5°	1364.3	1403.9	1419.1	1361.2	1297.9	1235.1	1169.9	1113.2	1073.6	1049.9	1048.0
20°	1409.4	1444.7	1427.6	1341.1	1263.1	1180.9	1092.5	1029.1	986.5	963.3	965.2
22.5°	1461.8	1487.4	1430.1	1313.7	1215.0	1104.1	1005.4	944.5	915.8	903.6	904.2
25°	1517.8	1534.3	1425.8	1276.5	1141.3	1010.3	915.8	887.8	885.3	882.3	883.5
27.5°	1584.2	1580.6	1413.0	1224.1	1041.9	901.2	853.1	860.4	870.1	868.9	870.1
30°	1673.2	1638.5	1396.6	1151.6	923.7	809.8	815.9	836.6	849.4	850.6	854.3
32.5°	1775.0	1702.4	1370.4	1052.9	811.0	758.6	781.2	806.1	821.4	824.4	829.3
35°	1896.2	1775.6	1324.1	929.8	730.0	728.1	748.9	765.9	782.4	783.6	783.6
37.5°	2035.7	1848.7	1250.3	793.9	680.0	701.9	721.4	725.1	729.4	725.7	727.5
40°	2163.7	1919.4	1145.5	670.3	639.2	678.8	695.2	683.1	669.6	660.5	662.3
42.5°	2270.9	1967.5	1006.6	583.7	597.7	658.1	670.9	645.9	619.7	602.6	605.1
45°	2391.6	2012.0	843.3	525.2	562.4	643.4	652.0	619.7	586.2	560.6	556.9
47.5°	2557.9	2102.8	698.3	484.4	537.4	635.5	649.5	605.7	561.8	523.4	519.1
50°	2763.3	2231.3	577.0	457.6	525.8	631.3	648.9	590.4	538.0	492.9	489.9
52.5°	2987.5	2356.9	487.5	436.9	514.3	618.5	645.9	573.4	513.0	464.3	460.6
55°	3136.8	2406.2	427.1	417.4	495.4	598.4	633.7	556.9	475.3	430.8	425.3
57.5°	3180.7	2342.8	385.1	399.7	471.0	570.3	610.5	522.2	452.1	416.8	412.5
60°	3105.1	2183.2	358.9	385.1	444.2	534.4	570.3	502.1	433.8	402.2	399.1
62.5°	2891.8	1937.0	338.8	369.9	416.8	496.6	544.7	477.7	413.7	388.7	384.5
65°	2462.9	1588.5	322.3	354.0	390.6	460.6	516.7	453.3	391.8	372.9	368.0
67.5°	1722.6	1115.7	304.7	335.1	364.4	425.9	487.5	430.8	369.2	355.2	350.4
70°	842.1	591.7	283.3	313.2	336.3	390.6	458.2	403.4	339.4	331.5	324.8
72.5°	400.9	330.9	258.4	283.3	298.0	343.7	409.5	363.8	304.1	287.0	275.4
75°	268.7	235.2	225.4	248.0	251.7	288.2	351.0	313.8	268.1	248.6	238.9
77.5°	203.5	179.8	189.5	209.6	202.3	237.0	288.8	279.7	241.9	224.2	219.4
80°	143.2	131.0	150.5	162.7	157.2	201.7	260.2	239.5	199.2	179.8	176.1
82.5°	90.2	87.7	110.9	112.7	114.6	159.6	213.9	188.3	154.8	127.3	118.2
85°	45.1	50.0	66.4	66.4	65.8	82.3	121.9	106.0	83.5	66.4	64.6
87.5°	15.2	21.3	28.6	23.2	17.7	14.0	15.8	19.5	20.7	20.1	20.1
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)