

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: P630888

Luminaire Tested: GWS-SA1E-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7444.2 lumens
Efficiency: N/A
Efficacy: 127.5 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

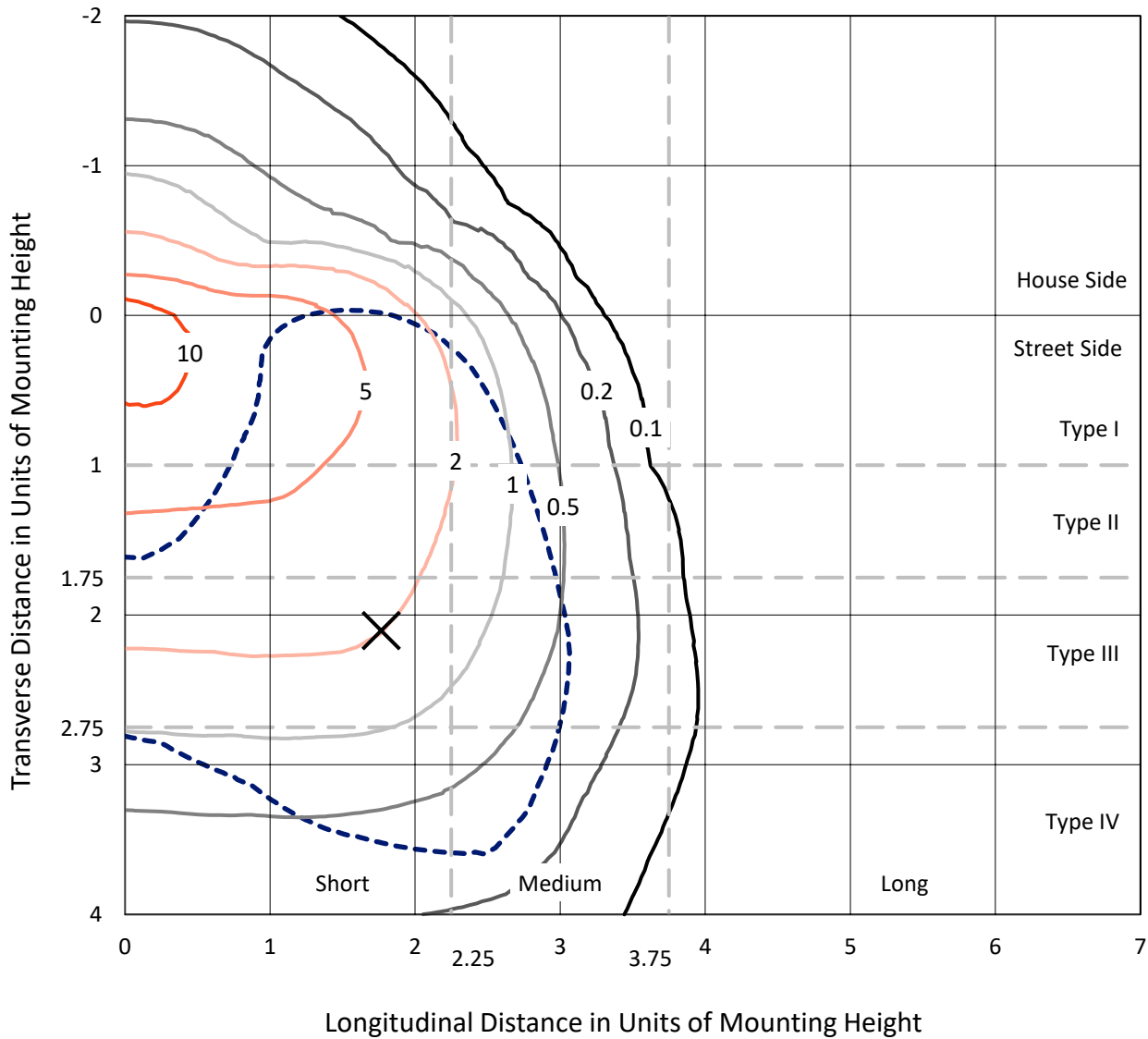
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630888
 CATALOG NUMBER: GWS-SA1E-750-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

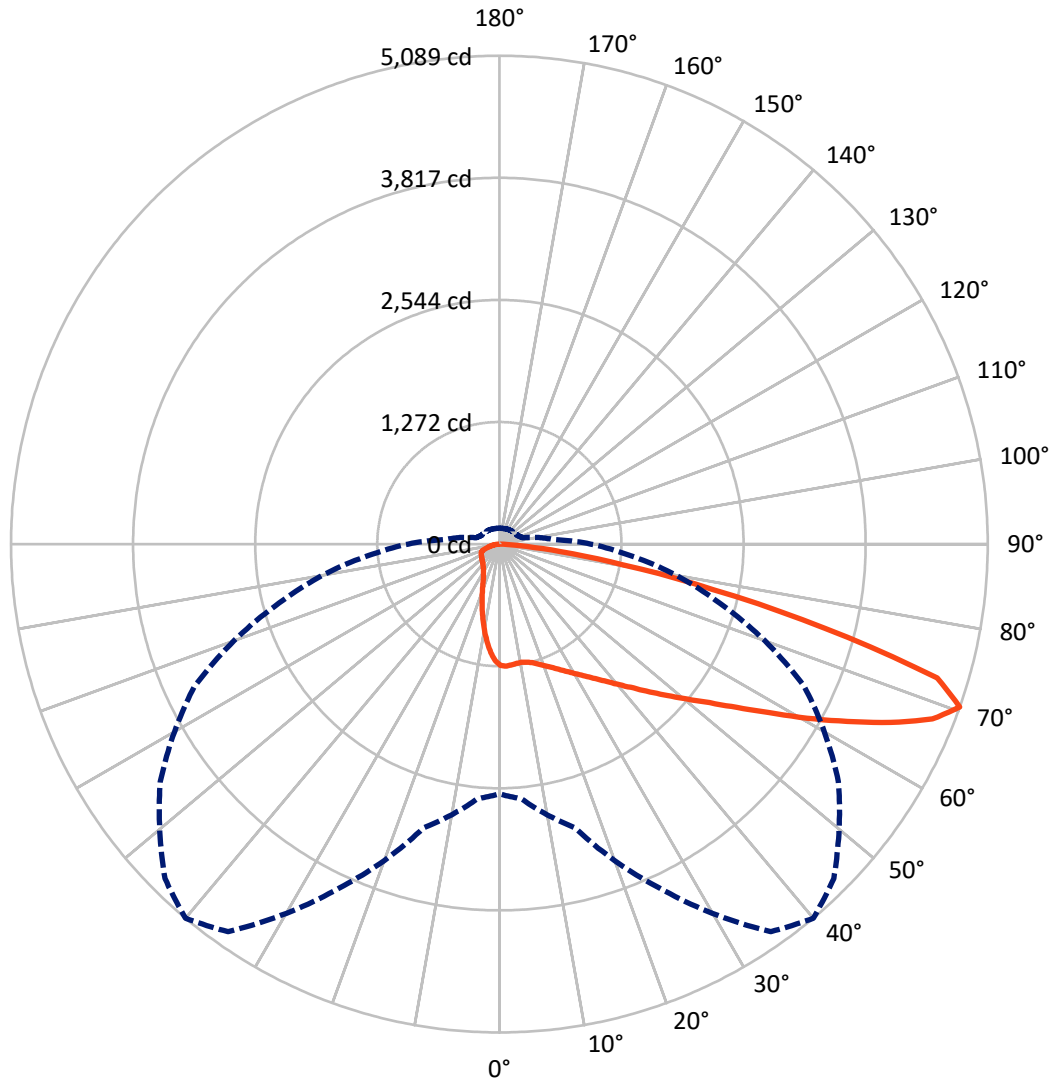
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P630888
CATALOG NUMBER: GWS-SA1E-750-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.6	0.0	1146.6
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	6297.6	0.0	6297.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	7444.2	0.0	7444.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	1.5
10°-20°	291.1	3.9
20°-30°	457.1	6.1
30°-40°	687.2	9.2
40°-50°	1060.7	14.2
50°-60°	1575.2	21.2
60°-70°	1985.6	26.7
70°-80°	1148.2	15.4
80°-90°	127.4	1.7
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°	7444.2	100.0
0°-180°	7444.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630888

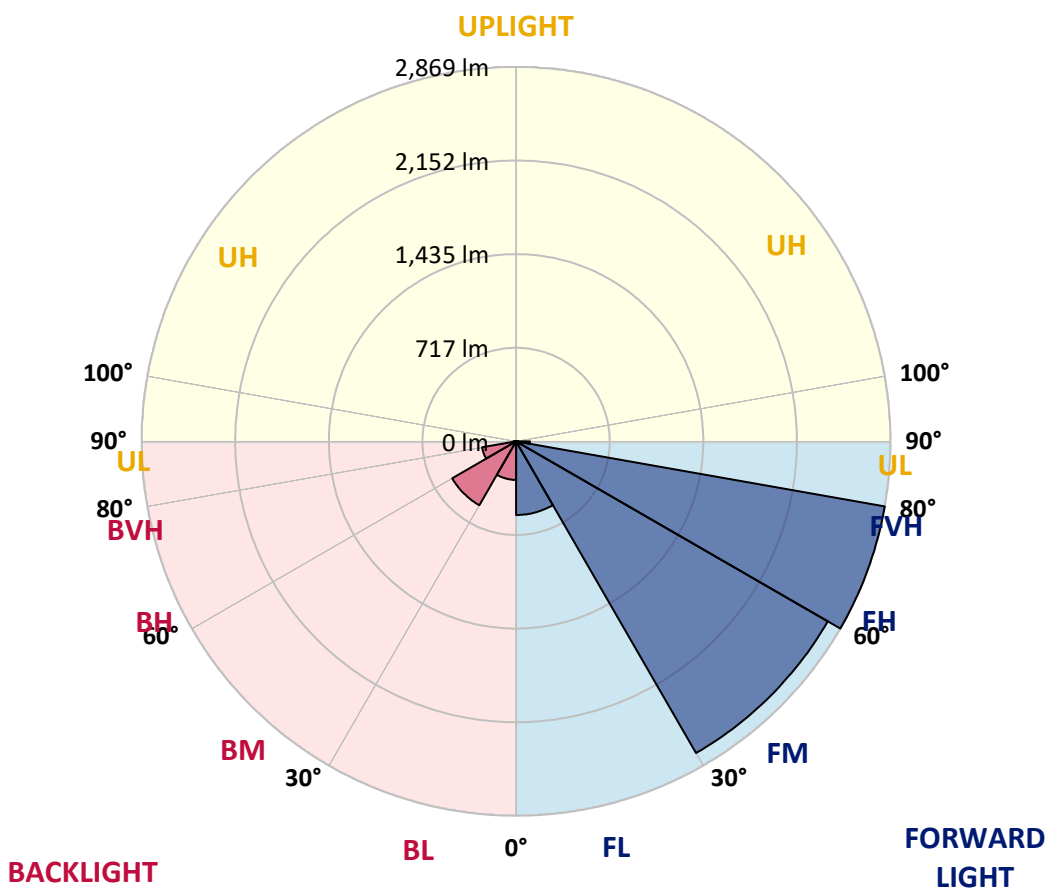
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.3	7.6			
FM (30°-60°)	2758.0	37.0			
FH (60°-80°)	2869.2	38.5			G2/5000
FVH (80°-90°)	106.1	1.4			G2/225
BL (0°-30°)	295.5	4.0	B1/500		
BM (30°-60°)	565.2	7.6	B1/1000		
BH (60°-80°)	264.6	3.6	B1/500		G1/500
BVH (80°-90°)	21.3	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 IV Short





REPORT NUMBER: P630888

CATALOG NUMBER: GWS-SA1E-750-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1271.9	1274.1	1275.8	1278.0	1276.9	1273.6	1276.3	1276.3	1270.2	1263.6	1257.4
5°	1273.6	1276.3	1275.8	1275.2	1270.8	1265.2	1265.2	1261.9	1251.3	1240.8	1230.8
7.5°	1270.2	1269.7	1269.1	1267.4	1262.4	1256.3	1255.2	1248.6	1234.7	1220.2	1205.8
10°	1255.2	1254.7	1256.3	1260.2	1259.1	1253.6	1253.6	1247.4	1231.3	1213.5	1194.7
12.5°	1243.0	1243.0	1249.7	1260.2	1264.1	1261.9	1262.4	1258.0	1239.7	1218.5	1196.3
15°	1244.7	1245.2	1259.7	1276.9	1284.1	1282.4	1283.0	1278.0	1257.4	1236.3	1206.3
17.5°	1255.8	1258.6	1283.6	1307.5	1316.9	1314.7	1310.8	1302.5	1279.1	1255.2	1218.5
20°	1279.1	1283.6	1315.8	1345.8	1356.9	1351.9	1345.2	1328.6	1303.0	1276.9	1231.9
22.5°	1325.2	1328.0	1363.6	1393.0	1401.9	1395.8	1382.5	1358.6	1329.1	1301.9	1248.0
25°	1390.2	1393.6	1427.5	1454.7	1452.5	1445.3	1426.9	1397.5	1362.5	1333.6	1271.3
27.5°	1467.5	1473.0	1506.4	1528.0	1513.6	1503.0	1482.5	1446.9	1407.5	1381.4	1306.9
30°	1551.9	1554.2	1582.5	1604.2	1581.9	1567.5	1542.5	1504.2	1468.6	1449.1	1360.2
32.5°	1633.6	1635.8	1660.3	1672.5	1649.2	1638.6	1617.0	1576.4	1551.4	1540.8	1439.7
35°	1719.7	1719.2	1739.2	1749.8	1725.9	1721.4	1699.2	1668.1	1663.6	1677.5	1555.8
37.5°	1805.9	1800.9	1811.4	1825.3	1812.0	1816.4	1802.0	1791.4	1808.7	1844.8	1710.3
40°	1874.8	1874.8	1885.9	1903.1	1907.6	1927.0	1918.7	1932.6	1988.1	2074.3	1901.4
42.5°	1935.9	1936.5	1959.8	1986.5	2018.7	2048.7	2055.4	2091.5	2206.5	2341.5	2141.5
45°	1999.8	2000.4	2032.0	2070.9	2139.3	2196.5	2209.8	2291.0	2455.4	2619.9	2402.1
47.5°	2073.7	2067.6	2111.5	2176.5	2273.7	2356.0	2390.4	2505.4	2713.3	2915.5	2647.7
50°	2157.0	2144.3	2193.2	2305.4	2425.4	2538.2	2596.0	2727.7	2990.0	3188.3	2878.8
52.5°	2251.0	2243.7	2294.8	2431.5	2614.9	2744.9	2823.3	2996.1	3258.9	3460.1	3062.2
55°	2367.6	2350.4	2424.3	2598.2	2837.2	3002.7	3095.5	3261.7	3552.8	3706.8	3202.2
57.5°	2495.4	2476.5	2575.5	2806.6	3126.1	3307.8	3423.9	3560.6	3829.6	3895.7	3284.5
60°	2633.2	2627.1	2744.4	3051.1	3470.6	3681.8	3765.7	3889.6	4070.2	4005.1	3263.9
62.5°	2759.4	2757.2	2927.7	3316.1	3835.7	4067.9	4134.6	4167.4	4243.5	3997.9	3100.5
65°	2892.2	2911.1	3141.7	3623.4	4254.1	4481.9	4509.7	4426.3	4301.9	3808.4	2766.0
67.5°	2908.8	2945.5	3276.1	3911.2	4650.8	4865.9	4843.6	4524.7	4129.6	3281.1	2168.2
70°	2601.6	2665.5	3061.6	3955.1	4930.3	5088.7	4928.1	4313.0	3504.5	2377.1	1363.6
72.5°	2173.7	2228.7	2578.8	3372.8	4569.7	4771.4	4554.1	3650.6	2476.5	1363.6	694.6
75°	1692.0	1755.9	2078.7	2681.0	3421.2	3501.7	3392.8	2546.0	1361.3	562.3	315.6
77.5°	1032.4	1078.5	1329.7	1816.4	2393.8	2273.2	1926.4	1427.5	597.3	269.5	195.0
80°	456.7	485.1	655.1	975.7	1383.0	1307.5	1030.7	609.6	326.7	171.1	136.1
82.5°	245.0	263.4	322.8	386.2	607.3	635.1	515.1	351.2	175.6	97.8	77.8
85°	107.8	118.4	146.7	140.0	199.5	196.1	197.8	241.2	83.9	45.0	50.6
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	6.1	32.2	8.3	13.3	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630888
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1250.8	1240.8	1238.0	1234.7	1228.5	1218.0	1210.2	1201.3	1197.4	1193.0	1193.5
5°	1219.7	1207.4	1195.8	1180.8	1161.9	1140.8	1126.3	1109.6	1100.7	1092.4	1094.6
7.5°	1193.0	1174.1	1150.2	1118.5	1084.6	1046.9	1016.3	992.4	976.3	965.2	970.7
10°	1176.3	1154.1	1112.4	1060.7	1003.5	945.7	901.8	860.7	835.1	815.1	814.0
12.5°	1173.0	1144.1	1083.5	1008.5	925.7	848.5	784.0	728.5	694.6	669.6	679.0
15°	1176.3	1139.6	1058.5	960.2	855.7	751.2	671.2	607.3	566.8	544.0	542.3
17.5°	1180.2	1135.2	1030.2	907.9	782.4	662.9	570.1	502.3	460.6	437.9	438.4
20°	1183.5	1128.5	996.8	850.7	707.9	580.7	484.5	420.1	382.8	366.2	369.0
22.5°	1189.1	1121.9	961.3	789.6	631.8	501.2	416.7	364.5	342.3	331.2	331.7
25°	1199.7	1118.0	924.6	722.9	556.8	437.9	370.1	335.1	321.2	314.5	313.9
27.5°	1221.3	1121.3	886.3	658.4	489.0	389.5	340.1	317.3	307.8	303.4	302.8
30°	1257.4	1134.6	852.9	592.9	430.6	351.7	319.5	305.6	300.1	296.2	295.6
32.5°	1312.5	1159.6	816.8	531.8	383.4	323.9	303.4	296.2	292.3	290.1	290.1
35°	1395.8	1205.2	781.2	478.4	346.7	302.3	290.6	287.8	284.5	283.4	284.5
37.5°	1515.8	1278.0	749.0	431.7	320.6	285.6	276.7	277.8	275.0	276.7	278.4
40°	1668.1	1375.2	721.8	393.4	301.2	273.4	264.5	268.4	266.7	268.4	271.2
42.5°	1860.9	1495.8	701.2	363.4	287.3	263.4	255.0	258.9	257.8	260.0	262.8
45°	2075.9	1654.7	691.8	342.3	277.3	256.2	247.3	250.0	248.9	250.6	253.4
47.5°	2282.1	1799.2	700.1	330.1	268.9	250.0	240.6	241.7	241.2	240.6	242.3
50°	2459.9	1914.2	724.0	326.2	263.4	243.9	235.0	235.6	233.9	230.6	231.7
52.5°	2604.9	2006.5	738.5	326.2	260.6	237.3	228.9	229.5	226.2	221.7	222.3
55°	2700.5	2043.7	726.8	325.6	259.5	231.7	222.8	223.4	220.0	214.5	215.0
57.5°	2727.7	2007.6	677.9	319.5	258.4	227.3	216.7	217.8	215.6	209.5	209.5
60°	2651.6	1875.3	588.4	305.6	255.6	224.5	212.3	213.9	212.8	206.7	206.7
62.5°	2452.1	1640.3	481.8	284.5	247.8	221.1	208.4	211.7	214.5	211.1	210.6
65°	2078.7	1314.1	391.7	261.2	237.8	215.6	202.8	211.1	217.3	221.7	221.7
67.5°	1559.7	940.7	319.5	236.7	222.8	204.5	195.6	203.4	207.8	210.6	212.3
70°	950.7	553.4	251.7	208.4	201.1	187.8	181.1	173.4	167.3	166.1	166.7
72.5°	465.1	316.7	204.5	177.3	171.7	159.5	144.5	141.1	138.4	136.7	136.1
75°	256.2	220.6	168.9	147.2	137.2	122.2	118.9	113.4	112.2	110.0	110.6
77.5°	181.1	173.9	139.5	119.5	104.5	96.7	98.4	94.5	94.5	92.8	92.2
80°	136.1	136.7	107.2	87.2	77.2	74.5	76.1	76.1	75.0	74.5	73.9
82.5°	86.1	97.2	72.2	56.1	55.0	55.6	55.0	54.5	55.6	53.9	53.3
85°	59.5	70.0	43.9	33.3	33.3	32.8	33.9	33.3	34.5	32.8	32.8
87.5°	13.3	31.1	16.1	10.0	10.6	10.0	10.6	11.1	12.2	12.8	12.8
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)