

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: P636303

Luminaire Tested: GWS-SA3F-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24856.4 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

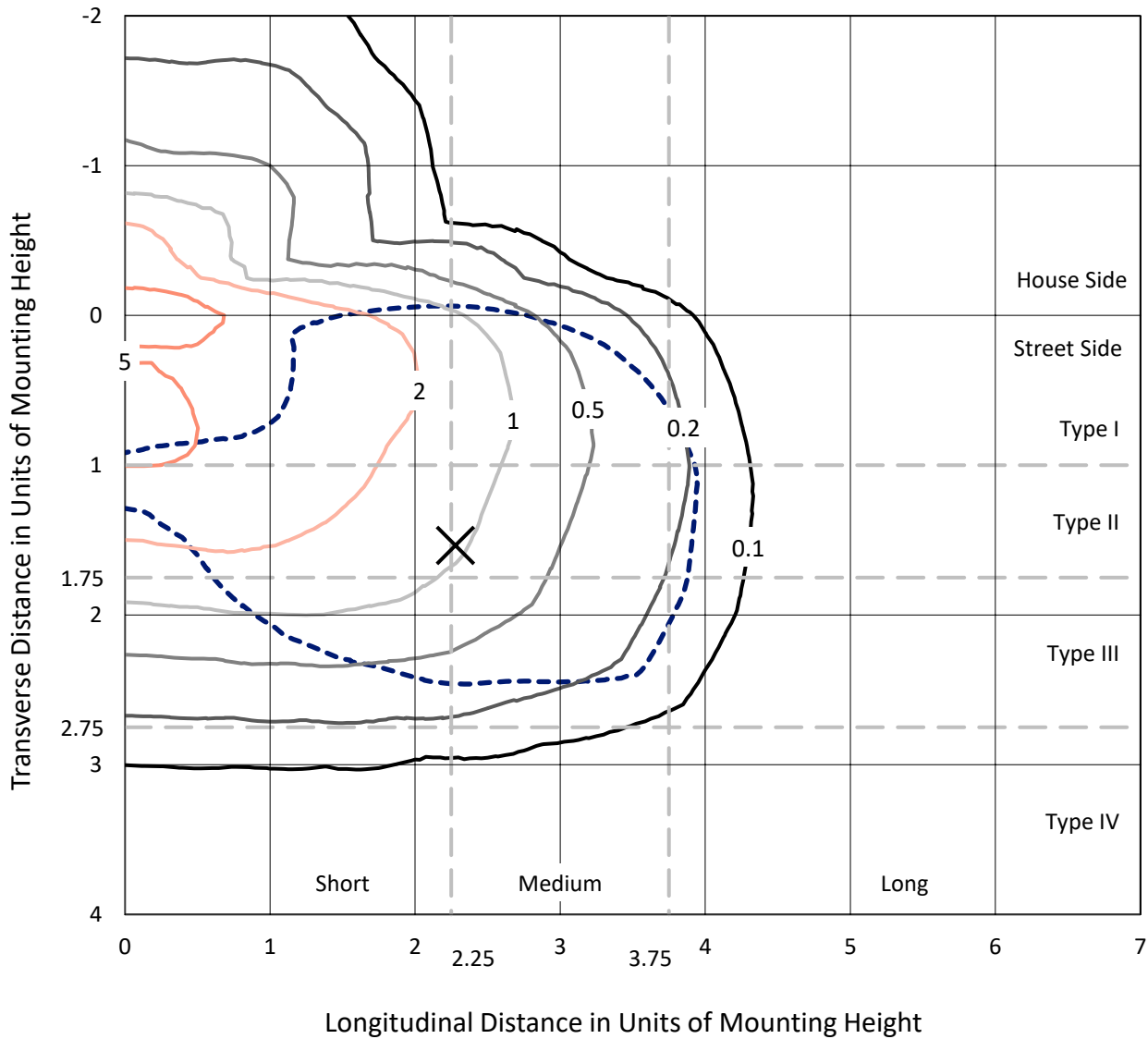
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636303
 CATALOG NUMBER: GWS-SA3F-740-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

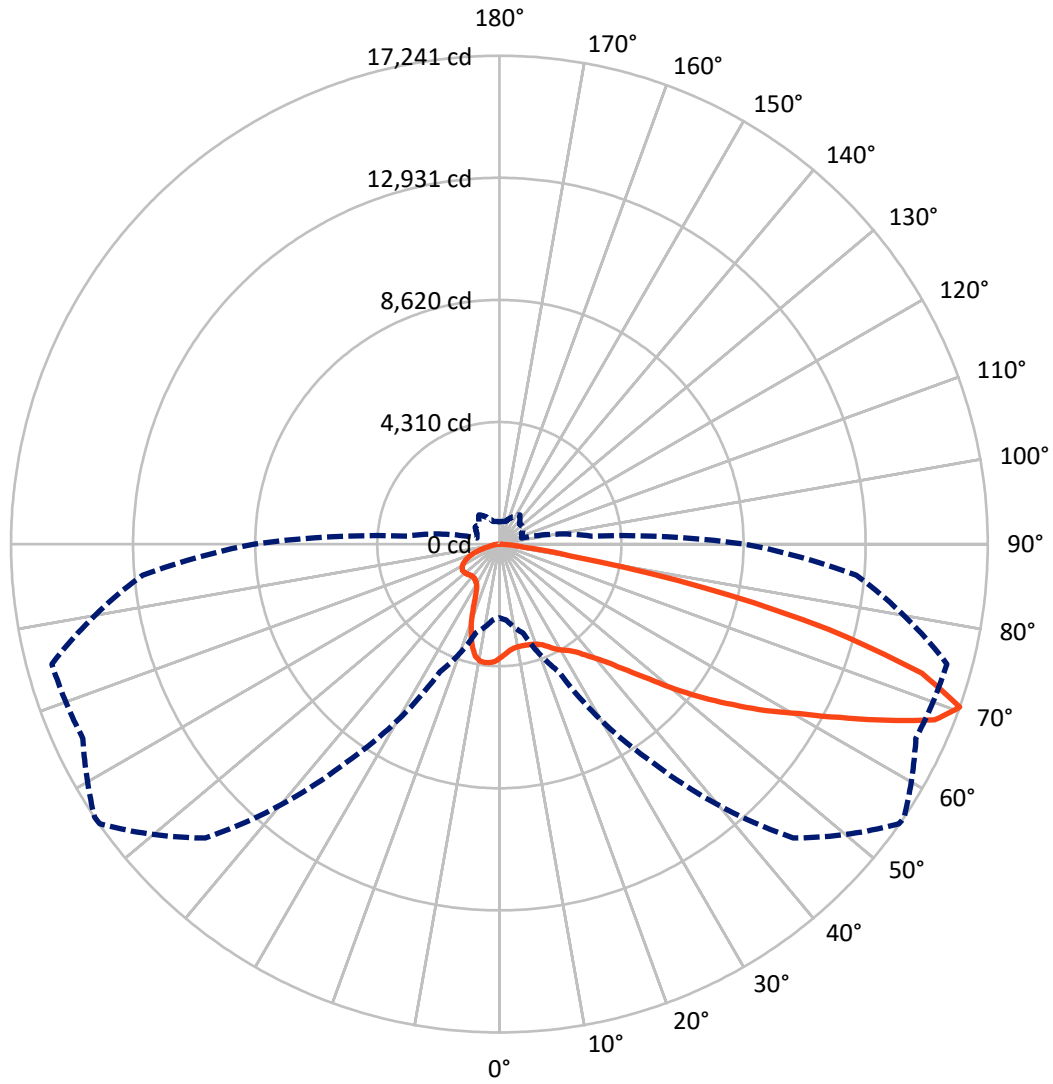
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P636303
CATALOG NUMBER: GWS-SA3F-740-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P636303

CATALOG NUMBER: GWS-SA3F-740-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4778.7	0.0	4778.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	20077.7	0.0	20077.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	24856.4	0.0	24856.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.3	1.5
10°-20°	1006.0	4.0
20°-30°	1663.2	6.7
30°-40°	2486.7	10.0
40°-50°	3700.6	14.9
50°-60°	5261.1	21.2
60°-70°	6516.1	26.2
70°-80°	3598.0	14.5
80°-90°	253.4	1.0
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°	24856.4	100.0
0°-180°	24856.4	100.0

Coefficient of Utilization



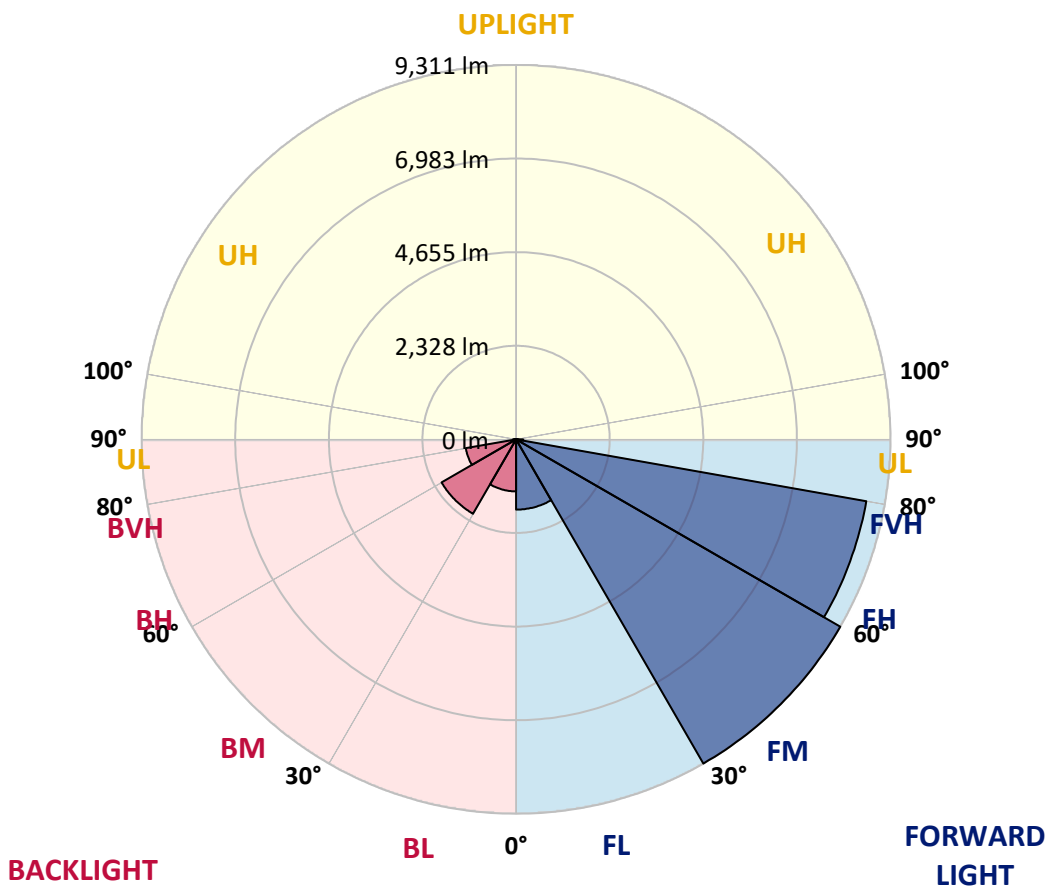
REPORT NUMBER: P636303

CATALOG NUMBER: GWS-SA3F-740-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1746.9	7.0			
FM (30°-60°)	9310.8	37.5			
FH (60°-80°)	8843.9	35.6			G4/12000
FVH (80°-90°)	176.1	0.7			G2/225
BL (0°-30°)	1293.6	5.2	B3/2500		
BM (30°-60°)	2137.6	8.6	B2/2500		
BH (60°-80°)	1270.2	5.1	B3/2500		G3/2500
BVH (80°-90°)	77.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P636303
 CATALOG NUMBER: GWS-SA3F-740-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2
2.5°	3754.5	3733.5	3758.0	3770.3	3801.9	3847.4	3887.8	3889.5	3910.5	3961.4	4010.5
5°	3584.5	3574.0	3581.0	3617.8	3651.1	3709.0	3770.3	3775.6	3835.2	3935.1	4033.2
7.5°	3453.1	3439.0	3465.3	3512.7	3554.7	3619.6	3700.2	3707.2	3791.3	3942.1	4092.8
10°	3263.8	3253.2	3302.3	3365.4	3456.6	3563.5	3670.4	3679.2	3789.6	3987.7	4198.0
12.5°	3181.4	3181.4	3202.4	3262.0	3361.9	3503.9	3665.1	3679.2	3817.6	4057.8	4333.0
15°	3309.3	3318.1	3300.6	3297.1	3337.4	3472.3	3672.2	3693.2	3870.2	4129.6	4466.2
17.5°	3567.0	3575.8	3530.2	3458.3	3418.0	3502.1	3698.5	3721.2	3926.3	4208.5	4609.9
20°	3928.1	3938.6	3838.7	3728.2	3589.8	3588.0	3749.3	3770.3	3998.2	4294.4	4762.4
22.5°	4350.5	4357.5	4231.3	4056.0	3843.9	3747.5	3836.9	3858.0	4091.1	4413.6	4927.2
25°	4839.5	4860.6	4708.1	4453.9	4166.5	3966.6	3982.4	4006.9	4257.6	4573.1	5121.7
27.5°	5361.9	5388.2	5212.9	4932.4	4536.3	4208.5	4170.0	4191.0	4434.6	4671.3	5225.2
30°	5896.5	5915.8	5740.5	5419.7	4934.2	4482.0	4327.7	4340.0	4511.8	4718.6	5330.3
32.5°	6490.7	6474.9	6306.6	5936.8	5393.4	4809.7	4474.9	4471.4	4597.6	4813.2	5481.1
35°	7048.1	7070.9	6892.1	6483.7	5898.2	5214.6	4695.8	4681.8	4779.9	4967.5	5693.2
37.5°	7722.9	7715.9	7502.1	7060.4	6404.8	5602.0	5006.1	4981.5	5016.6	5207.6	5989.4
40°	8205.0	8254.0	8115.6	7703.6	6997.3	6078.8	5368.9	5314.6	5323.3	5503.9	6385.5
42.5°	8599.3	8644.9	8658.9	8396.0	7675.6	6667.7	5821.1	5766.8	5772.0	6027.9	6872.8
45°	8902.6	8963.9	9162.0	9084.9	8439.8	7347.8	6432.8	6376.8	6380.3	6664.2	7461.8
47.5°	9027.0	9093.6	9495.0	9679.1	9251.4	8161.1	7193.6	7111.2	7123.5	7437.2	8134.8
50°	8986.7	9076.1	9619.5	10136.6	9931.5	8988.5	8103.3	8045.4	7998.1	8453.9	8865.8
52.5°	8639.7	8737.8	9607.2	10427.5	10487.1	9770.2	9042.8	9009.5	8999.0	9533.6	9682.6
55°	7617.8	7782.5	9184.8	10504.7	10921.8	10506.4	10061.2	10005.1	10059.4	10690.4	10508.2
57.5°	7051.6	7174.3	8357.4	10418.8	11277.6	11207.5	11077.8	11083.1	11144.4	11947.2	11509.0
60°	6729.1	6872.8	7898.2	10183.9	11619.4	12059.4	12141.8	12141.8	12252.2	13302.2	12525.7
62.5°	6301.4	6446.9	7468.8	9731.7	11935.0	13062.0	13479.2	13473.9	13517.7	14755.2	13519.5
65°	5433.7	5568.7	6606.4	9018.3	12089.2	14166.3	14998.9	14983.1	14895.5	16048.8	14176.8
67.5°	3945.6	4073.6	5060.4	7661.6	11533.6	15056.7	16564.2	16571.2	16047.1	16863.9	14211.9
70°	2601.2	2688.8	3253.2	4976.3	9379.3	14672.9	17219.7	17240.7	16224.1	16355.6	12648.4
72.5°	1623.1	1684.5	2031.5	2967.5	5542.4	11614.2	15537.0	15594.8	14595.7	14373.1	10392.5
75°	1078.0	1120.1	1351.4	1730.0	2564.4	6285.6	11810.5	11996.3	11698.3	11267.1	7240.9
77.5°	648.5	683.6	860.6	1099.0	1135.8	2455.7	6893.8	7374.1	7416.2	5882.5	3032.4
80°	296.2	336.5	475.0	627.5	604.7	855.4	2431.2	2543.3	3000.8	1868.5	957.0
82.5°	175.3	192.8	315.5	312.0	257.7	415.4	874.7	897.4	762.5	683.6	408.4
85°	70.1	82.4	133.2	117.4	94.7	135.0	329.5	345.3	331.3	298.0	150.7
87.5°	0.0	0.0	0.0	0.0	1.8	3.5	29.8	31.6	45.6	82.4	45.6
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: P636303
 CATALOG NUMBER: GWS-SA3F-740-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2
2.5°	4042.0	4031.5	4084.1	4124.4	4141.9	4159.4	4143.7	4138.4	4138.4	4103.4	4085.8
5°	4085.8	4091.1	4162.9	4196.3	4196.3	4182.2	4140.2	4110.4	4099.8	4054.3	4042.0
7.5°	4168.2	4191.0	4257.6	4255.8	4206.8	4129.6	4024.5	3943.8	3870.2	3838.7	3819.4
10°	4303.2	4333.0	4378.5	4304.9	4168.2	3964.9	3742.3	3567.0	3461.8	3377.7	3377.7
12.5°	4457.4	4485.5	4476.7	4306.7	4024.5	3644.1	3323.3	3121.8	2974.5	2897.4	2897.4
15°	4611.7	4634.5	4539.8	4226.0	3724.7	3218.2	2867.6	2625.7	2497.8	2425.9	2425.9
17.5°	4767.7	4765.9	4566.1	4040.3	3333.9	2746.7	2403.1	2215.6	2171.7	2159.5	2157.7
20°	4918.4	4878.1	4532.8	3730.0	2879.9	2271.7	2054.3	2066.6	2131.4	2159.5	2163.0
22.5°	5088.4	4988.5	4434.6	3333.9	2364.6	1942.1	1956.1	2057.8	2152.5	2194.5	2199.8
25°	5262.0	5083.2	4269.9	2869.4	1933.4	1821.2	1929.9	2043.8	2150.7	2205.0	2210.3
27.5°	5332.1	5083.2	3989.4	2331.3	1703.7	1770.3	1889.5	2000.0	2112.1	2175.2	2187.5
30°	5389.9	5039.4	3596.8	1845.7	1609.1	1721.3	1824.7	1926.3	2036.8	2113.9	2127.9
32.5°	5470.6	5000.8	3121.8	1551.2	1565.3	1673.9	1745.8	1831.7	1931.6	1982.4	1977.2
35°	5565.2	4941.2	2548.6	1411.0	1528.5	1633.6	1684.5	1735.3	1689.7	1688.0	1693.2
37.5°	5700.2	4888.6	2049.0	1347.9	1503.9	1605.6	1647.7	1539.0	1475.9	1449.6	1439.1
40°	5894.7	4867.6	1616.1	1311.1	1500.4	1603.8	1574.0	1405.8	1319.9	1228.7	1227.0
42.5°	6140.1	4851.8	1335.6	1293.6	1512.7	1644.1	1472.4	1318.1	1141.1	1100.8	1097.3
45°	6455.6	4827.3	1195.4	1290.1	1542.5	1675.7	1461.9	1197.2	1076.2	1058.7	1058.7
47.5°	6836.0	4788.7	1132.3	1290.1	1575.8	1661.7	1430.3	1170.9	1046.4	1065.7	1078.0
50°	7272.5	4739.6	1099.0	1286.6	1609.1	1661.7	1363.7	1165.6	1039.4	1139.3	1179.6
52.5°	7738.7	4683.5	1076.2	1272.5	1631.9	1663.4	1367.2	1183.2	1046.4	1156.9	1190.2
55°	8254.0	4674.8	1044.7	1242.7	1638.9	1617.9	1376.0	1221.7	1057.0	1048.2	1049.9
57.5°	8904.3	4779.9	1021.9	1198.9	1610.8	1525.0	1393.5	1249.8	1044.7	1046.4	1058.7
60°	9584.4	4978.0	1041.2	1156.9	1553.0	1437.3	1405.8	1235.7	985.1	957.0	960.5
62.5°	10162.9	5128.8	1057.0	1137.6	1468.9	1360.2	1393.5	1204.2	951.8	944.8	960.5
65°	10404.7	5004.3	1018.4	1097.3	1346.2	1265.5	1367.2	1163.9	923.7	897.4	899.2
67.5°	10136.6	4420.6	943.0	1007.9	1207.7	1144.6	1325.1	1111.3	885.2	853.6	846.6
70°	8658.9	3248.0	813.3	865.9	1039.4	1002.6	1260.3	1042.9	823.8	801.0	785.3
72.5°	6978.0	2299.7	674.8	688.9	815.1	844.9	1148.1	957.0	753.7	688.9	666.1
75°	4857.1	1444.3	562.7	548.6	588.9	645.0	895.7	794.0	650.3	581.9	560.9
77.5°	2089.4	741.4	440.0	432.9	392.6	447.0	687.1	662.6	545.1	466.3	454.0
80°	699.4	429.4	317.3	305.0	261.2	313.8	483.8	529.4	427.7	345.3	324.3
82.5°	350.6	248.9	201.6	182.3	175.3	198.1	285.7	329.5	296.2	238.4	201.6
85°	171.8	142.0	110.4	108.7	91.1	85.9	119.2	140.2	133.2	98.2	92.9
87.5°	63.1	56.1	35.1	28.0	17.5	12.3	7.0	7.0	5.3	5.3	5.3
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)