

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: P636320

Luminaire Tested: GWS-SA3F-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25469 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

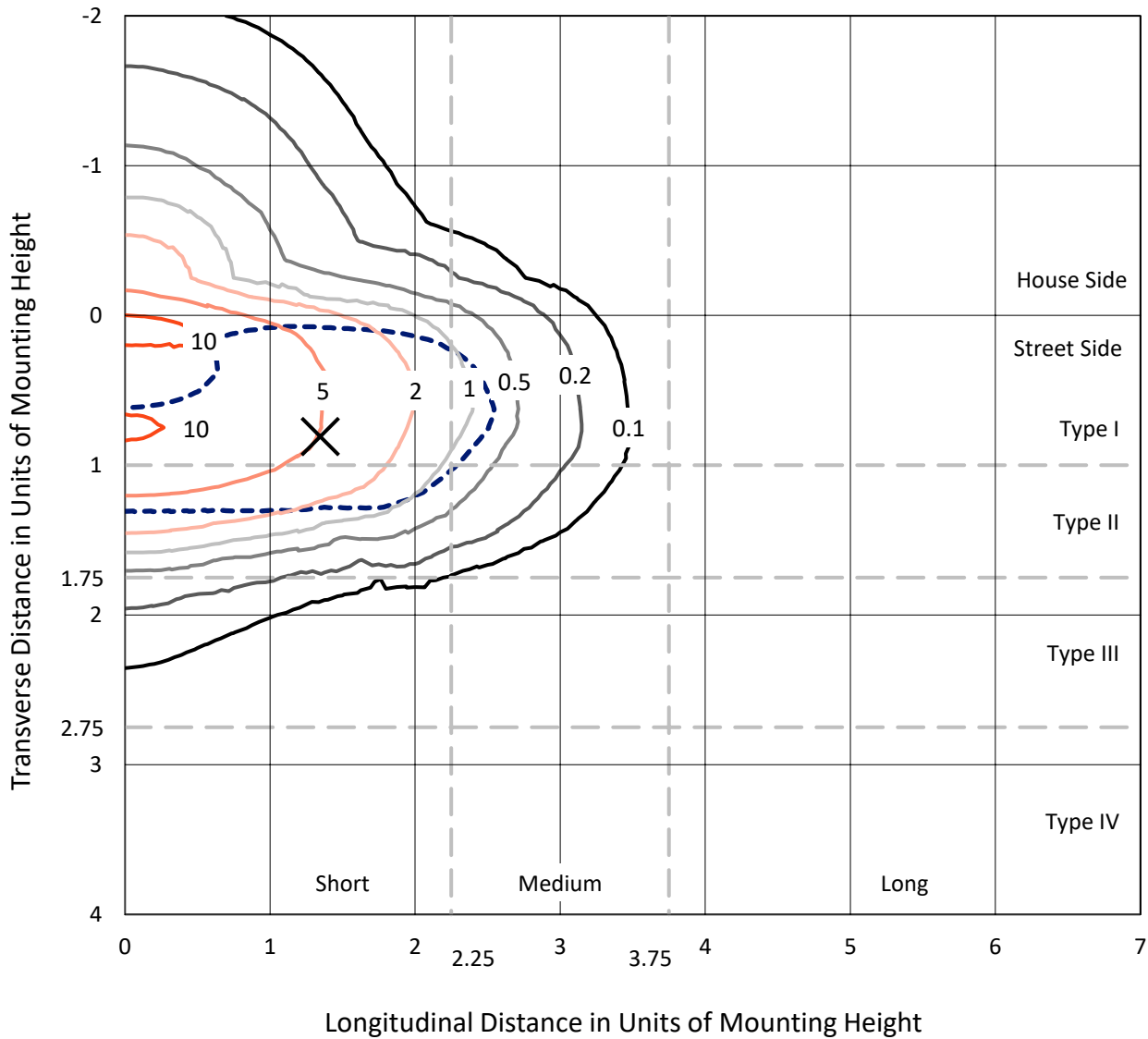
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636320
 CATALOG NUMBER: GWS-SA3F-750-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

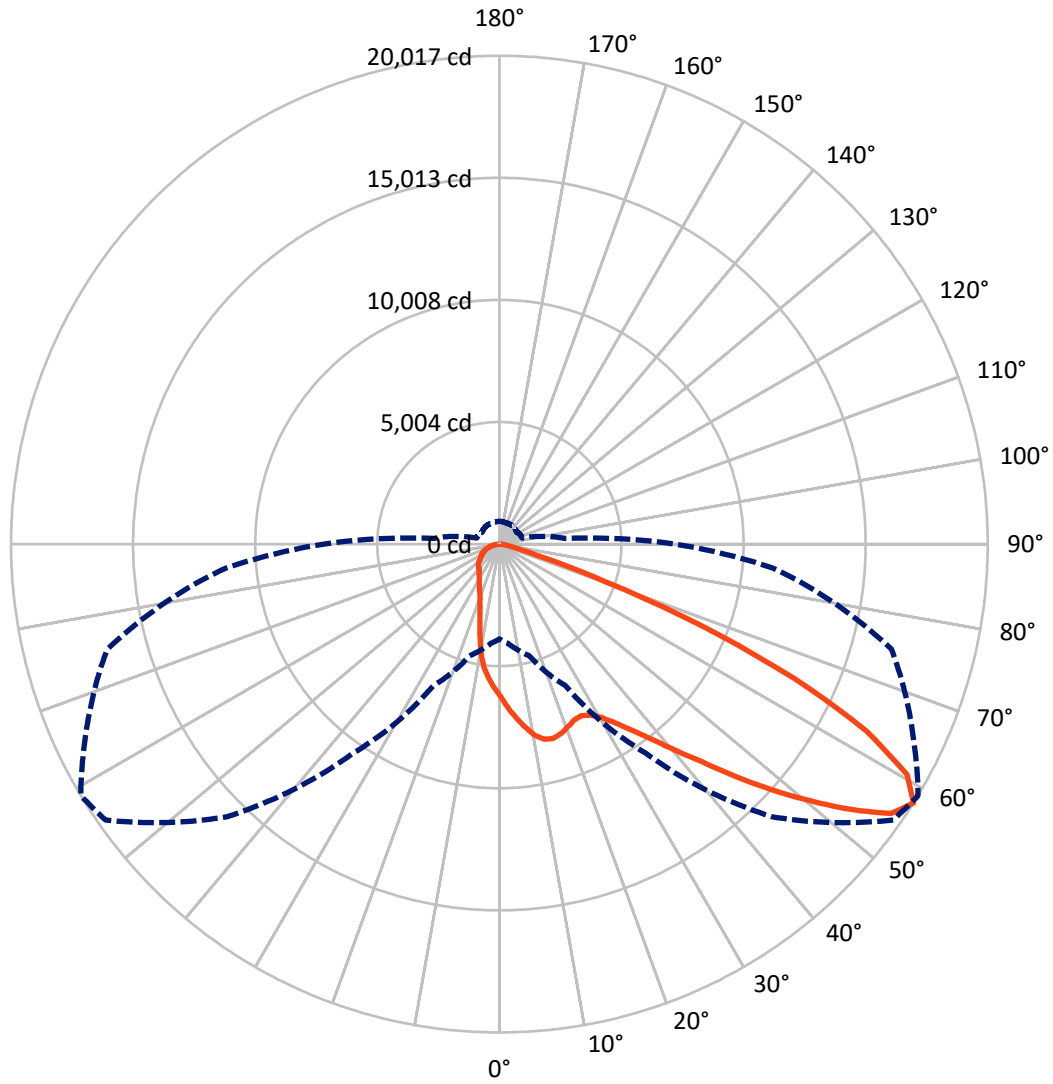
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

REPORT NUMBER: P636320
CATALOG NUMBER: GWS-SA3F-750-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P636320

CATALOG NUMBER: GWS-SA3F-750-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3952.7	0.0	3952.7
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	21516.3	0.0	21516.3
	% Fixture	84.5	0.0	84.5
Total	Lumens	25469.0	0.0	25469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.5	2.3
10°-20°	1471.0	5.8
20°-30°	2384.6	9.4
30°-40°	3835.9	15.1
40°-50°	5956.8	23.4
50°-60°	6416.3	25.2
60°-70°	3723.7	14.6
70°-80°	972.1	3.8
80°-90°	128.1	0.5
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°	25469.0	100.0
0°-180°	25469.0	100.0

Coefficient of Utilization



REPORT NUMBER: P636320

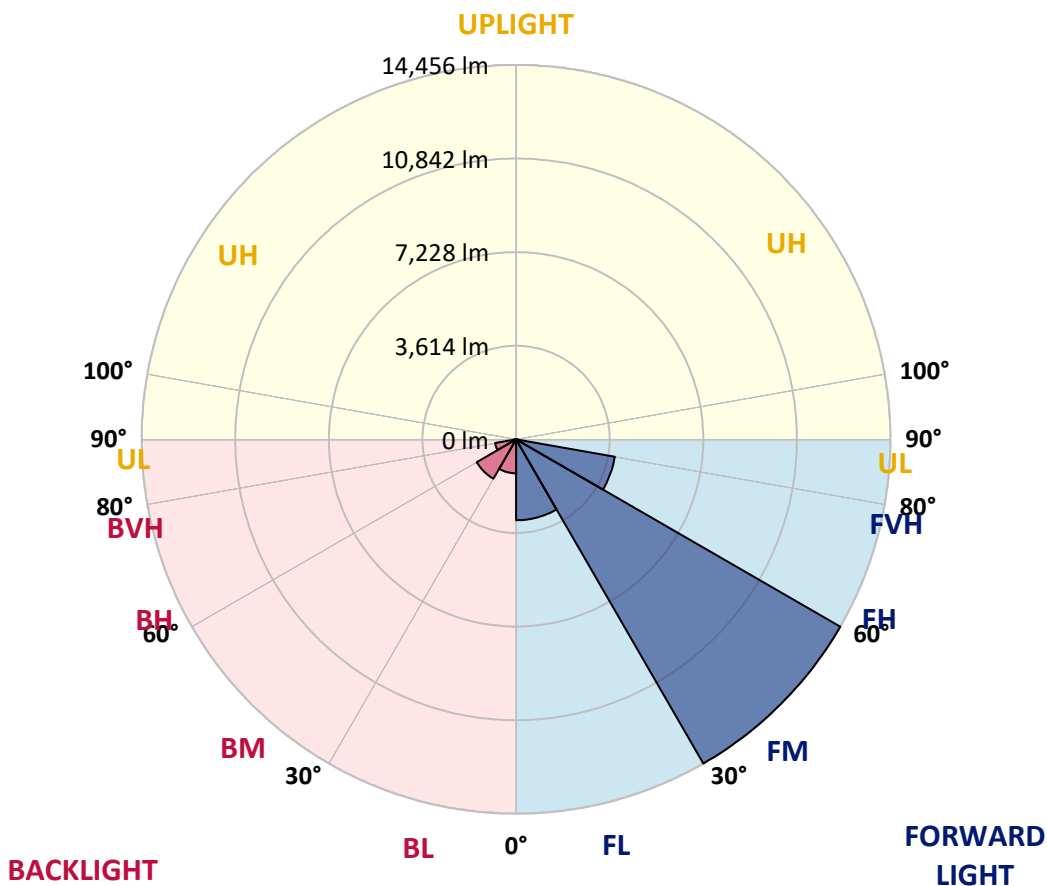
CATALOG NUMBER: GWS-SA3F-750-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3124.8	12.3			
FM (30°-60°)	14456.5	56.8			
FH (60°-80°)	3873.7	15.2			G2/5000
FVH (80°-90°)	61.3	0.2			G1/100
BL (0°-30°)	1311.3	5.1	B3/2500		
BM (30°-60°)	1752.4	6.9	B2/2500		
BH (60°-80°)	822.1	3.2	B2/1000		G2/1000
BVH (80°-90°)	66.7	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-G2

Type II Short





REPORT NUMBER: P636320
 CATALOG NUMBER: GWS-SA3F-750-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1
2.5°	7091.2	7032.1	7073.3	6999.8	6969.3	6888.6	6784.6	6714.7	6607.1	6467.3	6345.4
5°	7795.9	7754.6	7763.6	7684.7	7614.8	7480.3	7267.0	7148.6	6965.7	6684.2	6422.5
7.5°	7774.4	7822.8	7849.7	7917.8	7937.5	7925.0	7733.1	7568.2	7367.4	6944.2	6549.8
10°	6969.3	7060.8	7143.2	7376.3	7659.6	8018.2	8063.0	7964.4	7761.8	7275.9	6702.2
12.5°	6092.6	6162.5	6236.0	6515.7	6949.6	7666.8	8152.7	8213.7	8133.0	7604.0	6874.3
15°	5662.2	5694.5	5764.4	5949.1	6295.2	7091.2	7996.7	8263.9	8409.1	7951.9	7067.9
17.5°	5644.3	5658.7	5692.7	5791.3	6031.6	6646.6	7715.2	8163.4	8626.0	8319.4	7293.9
20°	6015.5	5977.8	5956.3	5954.5	6072.8	6497.8	7442.7	8002.1	8728.2	8696.0	7535.9
22.5°	6530.0	6542.6	6496.0	6381.2	6366.9	6603.6	7306.4	7838.9	8758.7	9029.5	7760.0
25°	7259.8	7322.5	7184.5	6965.7	6858.2	6910.2	7390.7	7788.7	8755.1	9307.4	7899.9
27.5°	8111.5	8159.9	8020.0	7733.1	7510.8	7385.3	7641.7	7937.5	8785.6	9547.6	7984.2
30°	9081.5	9097.6	8905.7	8604.5	8280.0	8011.0	8059.5	8244.1	8941.6	9863.2	8082.8
32.5°	10266.6	10334.8	10044.3	9567.4	9113.7	8769.5	8620.7	8739.0	9278.7	10236.1	8235.2
35°	11770.9	11794.2	11424.9	10741.8	10099.9	9622.9	9311.0	9373.7	9791.5	10757.9	8464.7
37.5°	13189.2	13212.5	12819.8	12185.1	11267.1	10614.5	10162.6	10133.9	10447.7	11494.8	8839.4
40°	14089.3	14155.6	13979.9	13581.8	12705.1	11824.7	11211.5	11112.9	11308.3	12396.7	9361.2
42.5°	14573.4	14602.1	14598.5	14650.5	14128.7	13253.7	12394.9	12197.7	12328.5	13370.3	9888.3
45°	14576.9	14648.7	14840.5	15340.8	15364.1	14819.0	13890.2	13581.8	13461.7	14351.0	10438.7
47.5°	13924.3	14001.4	14528.5	15512.9	16239.0	16362.8	15681.4	15062.8	14557.2	15195.5	10890.6
50°	11948.4	12142.1	13146.1	14887.1	16411.2	17599.9	17390.1	16551.0	15530.8	15848.2	11173.9
52.5°	10232.6	10225.4	10844.0	13119.3	15692.2	18145.0	19043.3	18082.2	16493.6	16262.4	11245.6
55°	7492.9	7534.1	8167.0	10033.5	13773.7	17617.8	19952.3	19491.5	17598.1	16482.9	11216.9
57.5°	3885.4	4089.8	4738.9	6402.7	10465.6	15803.3	19710.3	20016.9	18720.5	16638.9	11254.6
60°	1963.3	1923.9	2157.0	3057.0	6063.9	12342.9	18218.5	19195.7	18923.1	16760.8	11277.9
62.5°	1310.7	1299.9	1235.4	1416.5	2477.9	7310.0	15530.8	16900.7	17515.6	16473.9	10980.2
65°	1135.0	1113.4	995.1	987.9	1203.1	3031.9	11383.6	13286.0	14476.5	15199.1	10268.4
67.5°	1022.0	989.7	869.6	810.4	864.2	1332.2	6415.3	8911.1	10689.8	12853.9	8708.5
70°	912.6	896.5	776.4	690.3	684.9	812.2	2363.2	4599.0	6540.8	8769.5	6366.9
72.5°	817.6	788.9	686.7	604.2	563.0	575.5	1025.6	1771.5	3385.2	5470.4	3808.3
75°	708.2	686.7	597.1	514.6	464.4	421.4	625.8	819.4	1543.8	2599.8	1798.4
77.5°	546.9	532.5	471.6	408.8	380.1	313.8	380.1	516.4	713.6	1095.5	935.9
80°	317.4	326.3	351.4	319.2	279.7	224.1	247.4	297.6	428.5	593.5	530.7
82.5°	159.6	170.3	227.7	184.7	166.7	130.9	147.0	175.7	224.1	328.1	208.0
85°	12.6	12.6	41.2	46.6	57.4	46.6	59.2	71.7	102.2	130.9	69.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.4	9.0	16.1	30.5	19.7
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: P636320
 CATALOG NUMBER: GWS-SA3F-750-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1	6252.1
2.5°	6262.9	6171.4	6062.1	5972.4	5834.4	5760.9	5667.6	5552.9	5506.2	5484.7	5472.2
5°	6275.4	6114.1	5881.0	5665.8	5427.4	5239.1	5029.3	4810.6	4685.1	4654.6	4633.1
7.5°	6322.1	6096.1	5725.0	5370.0	4927.1	4516.5	4116.7	3720.4	3517.8	3440.7	3433.6
10°	6386.6	6089.0	5567.2	4977.3	4229.6	3580.6	3112.6	2802.4	2671.5	2628.5	2614.2
12.5°	6467.3	6083.6	5359.2	4432.3	3424.6	2811.4	2544.2	2494.0	2512.0	2508.4	2508.4
15°	6569.5	6090.8	5108.2	3815.5	2770.2	2440.2	2445.6	2504.8	2560.4	2569.3	2569.3
17.5°	6680.7	6083.6	4744.2	3196.9	2377.5	2352.4	2434.9	2517.3	2567.6	2574.7	2574.7
20°	6800.8	6049.5	4285.2	2614.2	2205.4	2296.8	2386.5	2451.0	2481.5	2488.7	2488.7
22.5°	6872.5	5952.7	3786.8	2212.5	2096.0	2209.0	2268.1	2334.5	2338.0	2280.7	2278.9
25°	6861.7	5771.6	3218.4	1954.4	1979.5	2078.1	2153.4	2106.8	2049.4	2017.1	2011.7
27.5°	6793.6	5499.1	2639.3	1758.9	1841.4	1952.6	1929.2	1889.8	1875.5	1839.6	1836.0
30°	6707.5	5163.8	2119.3	1606.5	1698.0	1800.2	1764.3	1760.7	1746.4	1706.9	1706.9
32.5°	6625.1	4817.7	1726.6	1493.6	1606.5	1613.7	1663.9	1667.5	1660.3	1592.2	1585.0
35°	6601.8	4471.7	1461.3	1403.9	1516.9	1513.3	1585.0	1583.2	1459.5	1364.5	1362.7
37.5°	6671.7	4120.3	1303.5	1330.4	1393.1	1439.8	1497.1	1393.1	1351.9	1294.5	1290.9
40°	6820.5	3795.7	1222.8	1287.4	1314.3	1382.4	1292.7	1299.9	1289.2	1246.1	1240.7
42.5°	7017.7	3519.6	1178.0	1273.0	1269.4	1287.4	1188.7	1217.4	1233.6	1201.3	1195.9
45°	7207.8	3279.4	1154.7	1219.2	1237.2	1133.2	1113.4	1140.3	1165.4	1152.9	1147.5
47.5°	7347.6	3071.4	1142.1	1145.7	1195.9	1081.2	1048.9	1061.4	1091.9	1097.3	1095.5
50°	7390.7	2893.9	1127.8	1084.8	1074.0	1029.2	1004.1	1000.5	1036.3	1061.4	1065.0
52.5°	7308.2	2736.1	1090.1	1031.0	979.0	986.1	977.2	959.2	995.1	1029.2	1032.8
55°	7186.3	2646.4	1031.0	979.0	918.0	946.7	950.3	934.1	957.5	980.8	980.8
57.5°	7195.2	2698.4	973.6	930.6	864.2	901.9	921.6	914.4	914.4	932.4	934.1
60°	7254.4	2773.7	935.9	869.6	810.4	849.9	894.7	887.5	871.4	894.7	894.7
62.5°	7084.1	2673.3	910.8	810.4	753.1	799.7	853.5	849.9	831.9	869.6	873.2
65°	6582.0	2404.4	882.1	736.9	695.7	749.5	796.1	808.6	792.5	842.7	851.7
67.5°	5517.0	2022.5	826.6	667.0	638.3	688.5	733.3	751.3	738.7	797.9	805.0
70°	4113.1	1637.0	738.7	589.9	568.4	613.2	654.4	661.6	663.4	733.3	740.5
72.5°	2623.1	1273.0	622.2	503.8	487.7	521.8	552.2	580.9	593.5	659.8	658.0
75°	1463.1	946.7	500.2	426.7	398.0	424.9	460.8	494.9	530.7	627.5	638.3
77.5°	842.7	665.2	396.2	342.5	308.4	337.1	367.6	416.0	523.6	607.8	597.1
80°	475.1	432.1	299.4	251.0	229.5	251.0	274.3	365.8	412.4	448.2	453.6
82.5°	222.3	242.1	204.4	154.2	154.2	168.5	190.1	283.3	312.0	254.6	222.3
85°	80.7	109.4	100.4	78.9	69.9	68.1	118.3	161.4	100.4	89.6	77.1
87.5°	21.5	30.5	28.7	19.7	10.8	9.0	0.0	0.0	0.0	0.0	0.0
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)