

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: P635918

Luminaire Tested: GWS-SA3E-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635918
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-SA3E-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22555.4 lumens
Efficiency: N/A
Efficacy: 141.7 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

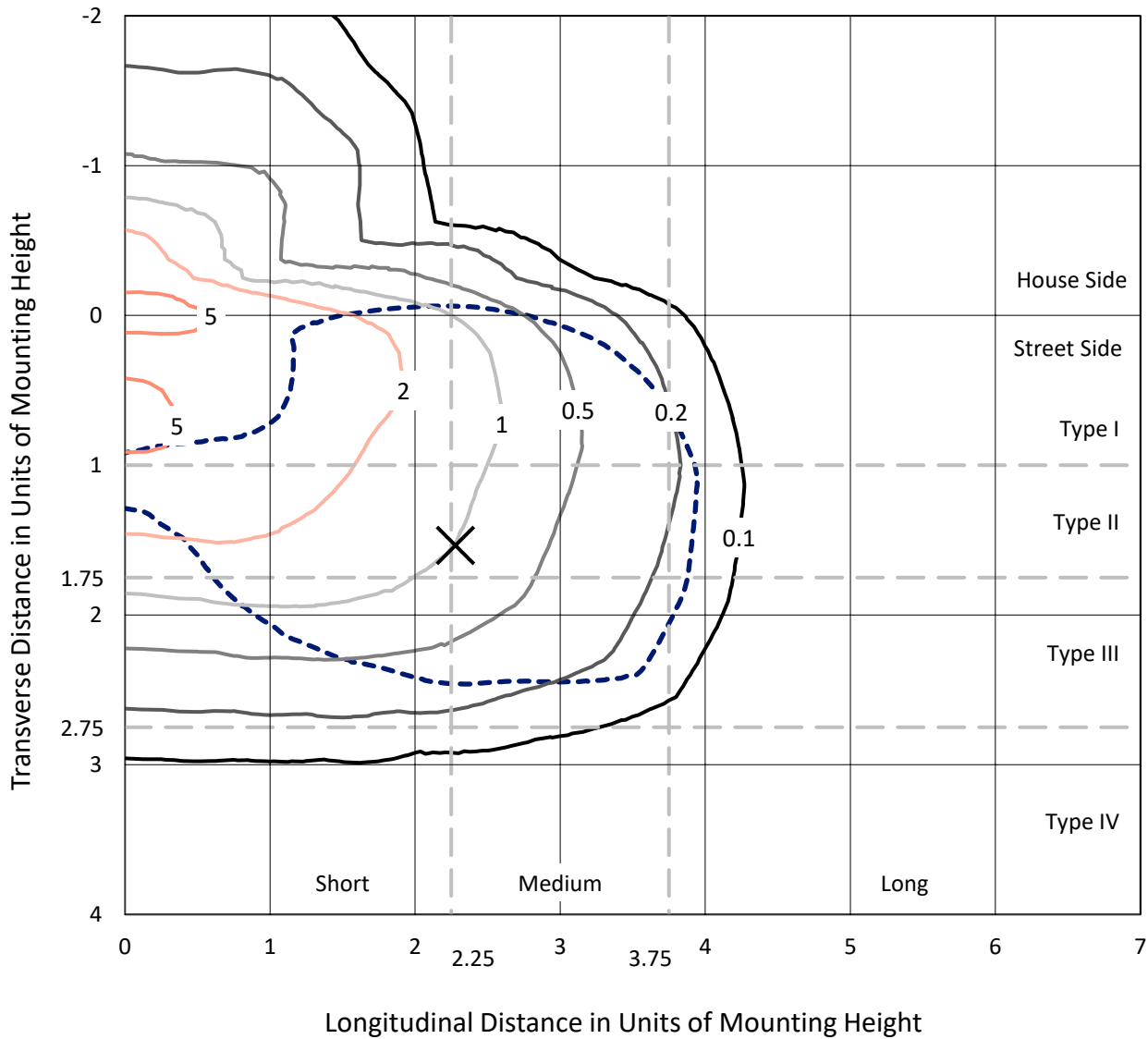
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

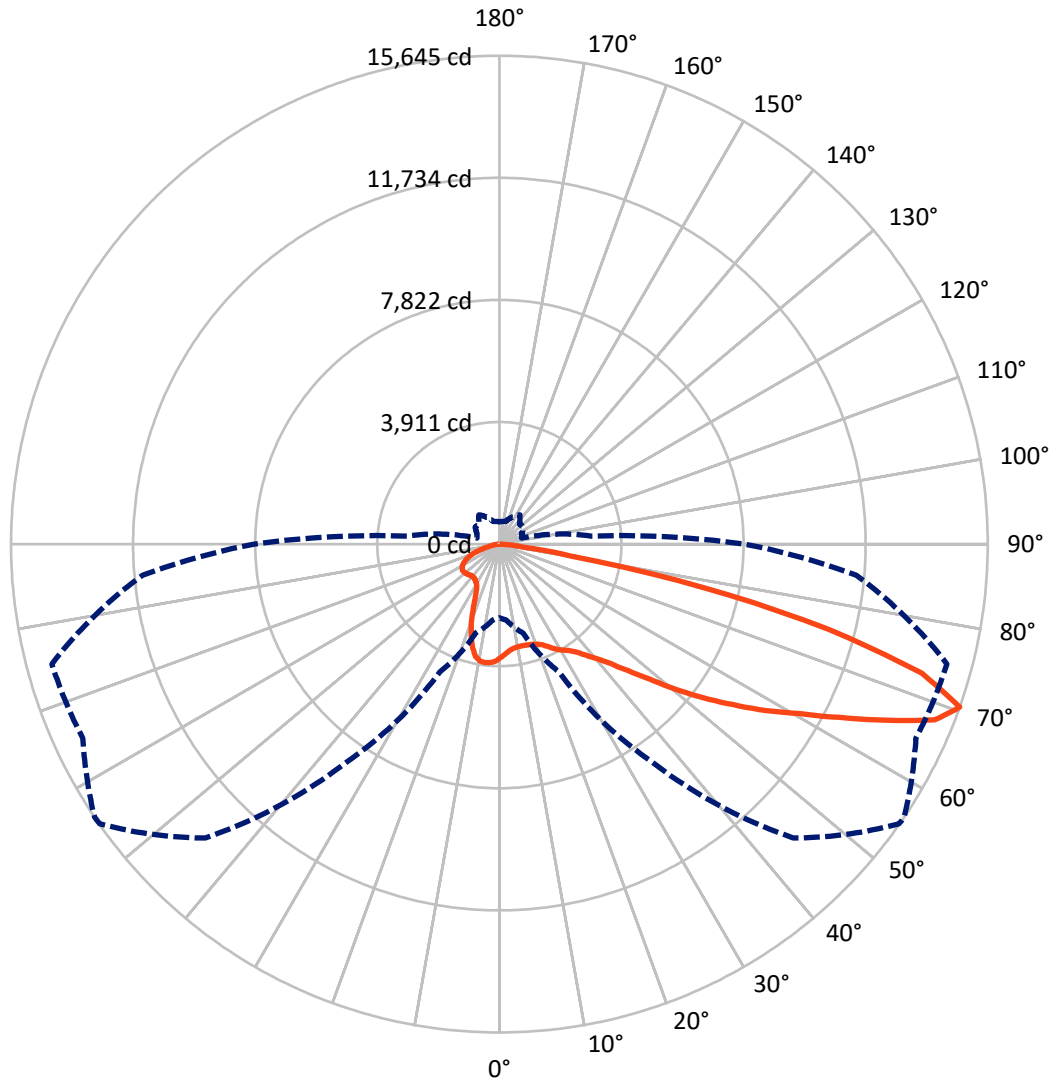
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4336.3	0.0	4336.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	18219.1	0.0	18219.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	22555.4	0.0	22555.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	1.5
10°-20°	912.9	4.0
20°-30°	1509.2	6.7
30°-40°	2256.5	10.0
40°-50°	3358.0	14.9
50°-60°	4774.1	21.2
60°-70°	5912.9	26.2
70°-80°	3264.9	14.5
80°-90°	229.9	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°	22555.4	100.0
0°-180°	22555.4	100.0

Coefficient of Utilization



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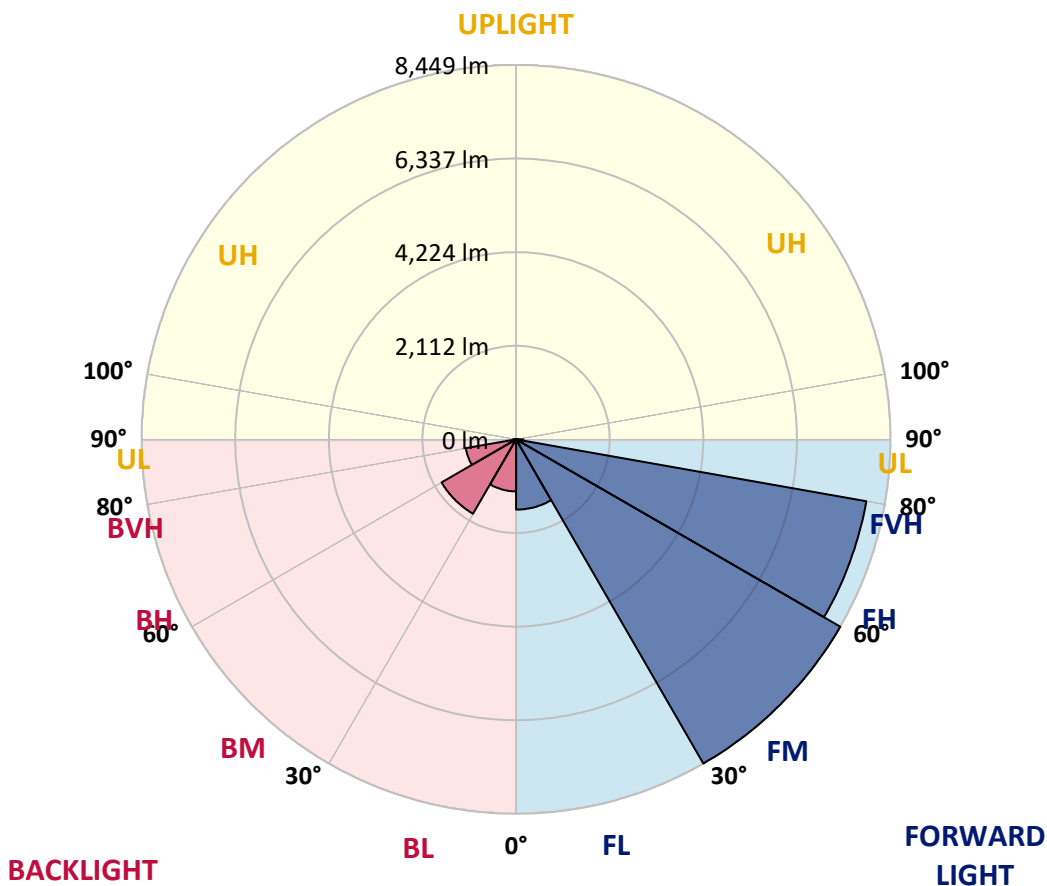
CATALOG NUMBER: GWS-SA3E-760-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1585.2	7.0			
FM (30°-60°)	8448.9	37.5			
FH (60°-80°)	8025.2	35.6			G4/12000
FVH (80°-90°)	159.8	0.7			G2/225
BL (0°-30°)	1173.9	5.2	B3/2500		
BM (30°-60°)	1939.7	8.6	B2/2500		
BH (60°-80°)	1152.6	5.1	B3/2500		G3/2500
BVH (80°-90°)	70.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8
2.5°	3407.0	3387.9	3410.2	3421.3	3449.9	3491.3	3527.9	3529.4	3548.5	3594.7	3639.2
5°	3252.7	3243.1	3249.5	3282.9	3313.1	3365.6	3421.3	3426.1	3480.1	3570.8	3659.9
7.5°	3133.4	3120.7	3144.5	3187.5	3225.7	3284.5	3357.7	3364.0	3440.4	3577.2	3714.0
10°	2961.6	2952.1	2996.6	3053.9	3136.6	3233.6	3330.6	3338.6	3438.8	3618.5	3809.4
12.5°	2886.9	2886.9	2906.0	2960.0	3050.7	3179.5	3325.9	3338.6	3464.2	3682.1	3931.9
15°	3003.0	3010.9	2995.0	2991.8	3028.4	3150.9	3332.2	3351.3	3512.0	3747.4	4052.7
17.5°	3236.8	3244.7	3203.4	3138.2	3101.6	3177.9	3356.1	3376.8	3562.9	3818.9	4183.2
20°	3564.4	3574.0	3483.3	3383.1	3257.5	3255.9	3402.2	3421.3	3628.1	3896.9	4321.5
22.5°	3947.8	3954.1	3839.6	3680.6	3488.1	3400.6	3481.7	3500.8	3712.4	4005.0	4471.1
25°	4391.5	4410.6	4272.2	4041.6	3780.8	3599.4	3613.7	3636.0	3863.5	4149.8	4647.6
27.5°	4865.5	4889.4	4730.3	4475.8	4116.4	3818.9	3783.9	3803.0	4024.1	4238.8	4741.5
30°	5350.6	5368.1	5209.1	4918.0	4477.4	4067.1	3927.1	3938.2	4094.1	4281.8	4836.9
32.5°	5889.8	5875.5	5722.8	5387.2	4894.1	4364.5	4060.7	4057.5	4172.0	4367.7	4973.7
35°	6395.6	6416.3	6254.1	5883.5	5352.2	4731.9	4261.1	4248.4	4337.5	4507.6	5166.1
37.5°	7008.0	7001.6	6807.6	6406.8	5811.9	5083.4	4542.6	4520.4	4552.2	4725.5	5434.9
40°	7445.4	7489.9	7364.3	6990.5	6349.5	5516.1	4871.9	4822.6	4830.5	4994.4	5794.4
42.5°	7803.3	7844.6	7857.4	7618.8	6965.1	6050.5	5282.2	5232.9	5237.7	5469.9	6236.6
45°	8078.4	8134.1	8313.8	8243.9	7658.5	6667.6	5837.3	5786.5	5789.6	6047.3	6771.0
47.5°	8191.4	8251.8	8616.1	8783.1	8395.0	7405.6	6527.7	6452.9	6464.0	6748.7	7381.8
50°	8154.8	8235.9	8729.0	9198.2	9012.1	8156.4	7353.2	7300.7	7257.7	7671.3	8045.0
52.5°	7839.9	7928.9	8717.9	9462.2	9516.3	8865.8	8205.7	8175.5	8165.9	8651.0	8786.2
55°	6912.6	7062.1	8334.5	9532.2	9910.8	9533.8	9129.8	9078.9	9128.2	9700.8	9535.4
57.5°	6398.8	6510.2	7583.8	9454.3	10233.7	10170.0	10052.3	10057.1	10112.8	10841.2	10443.6
60°	6106.2	6236.6	7167.1	9241.1	10543.8	10943.0	11017.8	11017.8	11118.0	12070.7	11366.1
62.5°	5718.1	5850.1	6777.4	8830.8	10830.1	11852.8	12231.4	12226.6	12266.4	13389.3	12268.0
65°	4930.7	5053.2	5994.8	8183.4	10970.1	12854.9	13610.4	13596.1	13516.6	14563.2	12864.4
67.5°	3580.3	3696.5	4591.9	6952.3	10465.9	13662.9	15030.8	15037.1	14561.6	15302.8	12896.2
70°	2360.4	2439.9	2952.1	4515.6	8511.1	13314.6	15625.6	15644.7	14722.2	14841.5	11477.5
72.5°	1472.9	1528.5	1843.5	2692.8	5029.3	10539.0	14098.7	14151.2	13244.6	13042.6	9430.4
75°	978.2	1016.4	1226.3	1569.9	2327.0	5703.7	10717.2	10885.8	10615.4	10224.1	6570.6
77.5°	588.5	620.3	781.0	997.3	1030.7	2228.4	6255.7	6691.5	6729.7	5337.9	2751.7
80°	268.8	305.4	431.0	569.4	548.7	776.2	2206.1	2307.9	2723.0	1695.5	868.4
82.5°	159.1	175.0	286.3	283.1	233.8	377.0	793.7	814.4	691.9	620.3	370.6
85°	63.6	74.8	120.9	106.6	85.9	122.5	299.0	313.3	300.6	270.4	136.8
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	27.0	28.6	41.4	74.8	41.4
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°	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8	3640.8
2.5°	3667.8	3658.3	3706.0	3742.6	3758.5	3774.4	3760.1	3755.3	3755.3	3723.5	3707.6
5°	3707.6	3712.4	3777.6	3807.8	3807.8	3795.1	3756.9	3729.9	3720.3	3679.0	3667.8
7.5°	3782.3	3803.0	3863.5	3861.9	3817.3	3747.4	3651.9	3578.8	3512.0	3483.3	3465.8
10°	3904.8	3931.9	3973.2	3906.4	3782.3	3597.8	3395.8	3236.8	3141.4	3065.0	3065.0
12.5°	4044.8	4070.2	4062.3	3908.0	3651.9	3306.8	3015.7	2832.8	2699.2	2629.2	2629.2
15°	4184.8	4205.4	4119.5	3834.8	3379.9	2920.3	2602.2	2382.7	2266.5	2201.3	2201.3
17.5°	4326.3	4324.7	4143.4	3666.2	3025.2	2492.4	2180.7	2010.5	1970.7	1959.6	1958.0
20°	4463.1	4426.5	4113.2	3384.7	2613.3	2061.4	1864.1	1875.3	1934.1	1959.6	1962.7
22.5°	4617.4	4526.7	4024.1	3025.2	2145.7	1762.3	1775.1	1867.3	1953.2	1991.4	1996.2
25°	4774.9	4612.6	3874.6	2603.7	1754.4	1652.6	1751.2	1854.6	1951.6	2000.9	2005.7
27.5°	4838.5	4612.6	3620.1	2115.4	1546.0	1606.5	1714.6	1814.8	1916.6	1973.9	1985.0
30°	4891.0	4572.9	3263.8	1674.9	1460.1	1561.9	1655.8	1748.0	1848.2	1918.2	1930.9
32.5°	4964.1	4537.9	2832.8	1407.6	1420.4	1519.0	1584.2	1662.1	1752.8	1798.9	1794.2
35°	5050.0	4483.8	2312.7	1280.4	1387.0	1482.4	1528.5	1574.7	1533.3	1531.7	1536.5
37.5°	5172.5	4436.1	1859.4	1223.1	1364.7	1457.0	1495.1	1396.5	1339.3	1315.4	1305.8
40°	5349.0	4417.0	1466.5	1189.7	1361.5	1455.4	1428.3	1275.6	1197.7	1115.0	1113.4
42.5°	5571.7	4402.7	1212.0	1173.8	1372.7	1491.9	1336.1	1196.1	1035.5	998.9	995.7
45°	5858.0	4380.4	1084.8	1170.7	1399.7	1520.6	1326.5	1086.4	976.6	960.7	960.7
47.5°	6203.2	4345.4	1027.5	1170.7	1429.9	1507.8	1297.9	1062.5	949.6	967.1	978.2
50°	6599.2	4300.9	997.3	1167.5	1460.1	1507.8	1237.5	1057.7	943.2	1033.9	1070.4
52.5°	7022.3	4250.0	976.6	1154.7	1480.8	1509.4	1240.6	1073.6	949.6	1049.8	1080.0
55°	7489.9	4242.0	948.0	1127.7	1487.2	1468.1	1248.6	1108.6	959.1	951.2	952.7
57.5°	8080.0	4337.5	927.3	1087.9	1461.7	1383.8	1264.5	1134.1	948.0	949.6	960.7
60°	8697.2	4517.2	944.8	1049.8	1409.2	1304.3	1275.6	1121.3	893.9	868.4	871.6
62.5°	9222.1	4654.0	959.1	1032.3	1332.9	1234.3	1264.5	1092.7	863.7	857.3	871.6
65°	9441.6	4541.0	924.1	995.7	1221.5	1148.4	1240.6	1056.1	838.2	814.4	816.0
67.5°	9198.2	4011.4	855.7	914.6	1095.9	1038.6	1202.5	1008.4	803.2	774.6	768.2
70°	7857.4	2947.3	738.0	785.7	943.2	909.8	1143.6	946.4	747.6	726.9	712.6
72.5°	6332.0	2086.8	612.4	625.1	739.6	766.6	1041.8	868.4	683.9	625.1	604.4
75°	4407.4	1310.6	510.6	497.8	534.4	585.3	812.8	720.5	590.1	528.1	509.0
77.5°	1895.9	672.8	399.2	392.9	356.3	405.6	623.5	601.2	494.7	423.1	412.0
80°	634.6	389.7	287.9	276.8	237.0	284.7	439.0	480.3	388.1	313.3	294.3
82.5°	318.1	225.9	182.9	165.4	159.1	179.7	259.3	299.0	268.8	216.3	182.9
85°	155.9	128.8	100.2	98.6	82.7	77.9	108.2	127.2	120.9	89.1	84.3
87.5°	57.3	50.9	31.8	25.4	15.9	11.1	6.4	6.4	4.8	4.8	4.8
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)