

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: P635753

Luminaire Tested: GWS-SA3E-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635753
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-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22050.1 lumens
Efficiency: N/A
Efficacy: 138.5 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

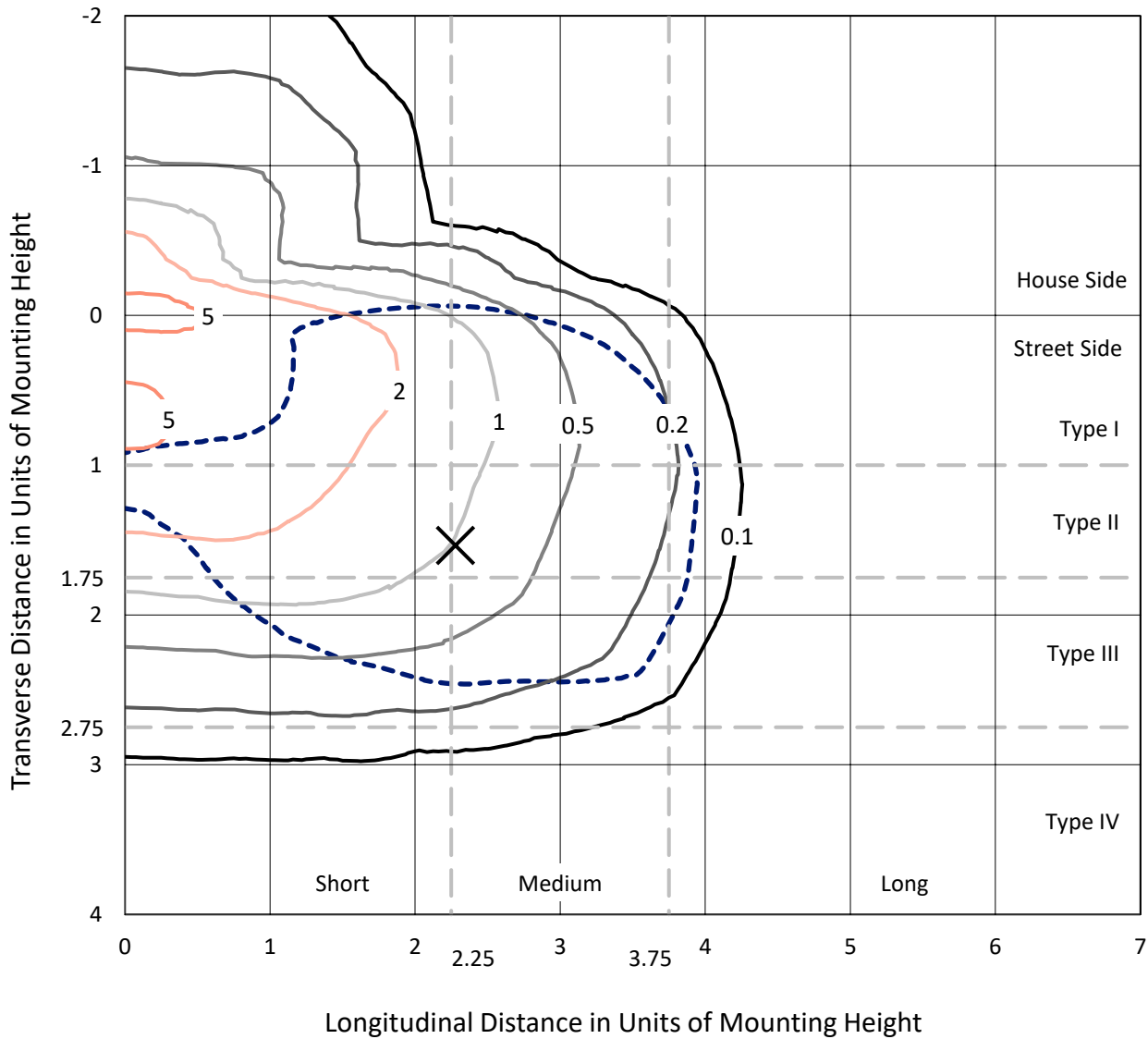
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635753
 CATALOG NUMBER: GWS-SA3E-735-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

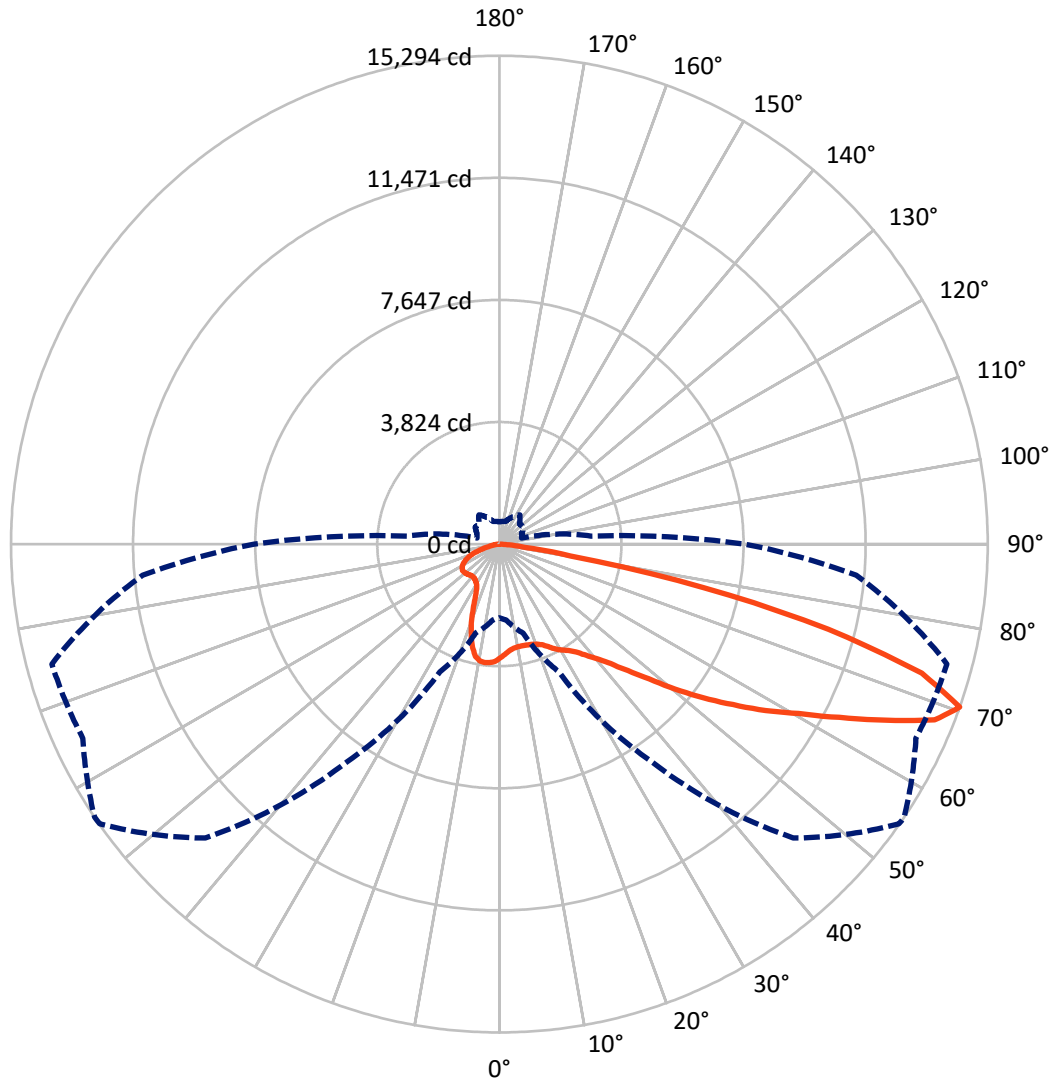
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P635753
CATALOG NUMBER: GWS-SA3E-735-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635753

CATALOG NUMBER: GWS-SA3E-735-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4239.2	0.0	4239.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	17810.9	0.0	17810.9
	% Fixture	80.8	0.0	80.8
Total	Lumens	22050.1	0.0	22050.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.4	1.5
10°-20°	892.4	4.0
20°-30°	1475.4	6.7
30°-40°	2206.0	10.0
40°-50°	3282.8	14.9
50°-60°	4667.2	21.2
60°-70°	5780.4	26.2
70°-80°	3191.8	14.5
80°-90°	224.8	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°	22050.1	100.0
0°-180°	22050.1	100.0

Coefficient of Utilization



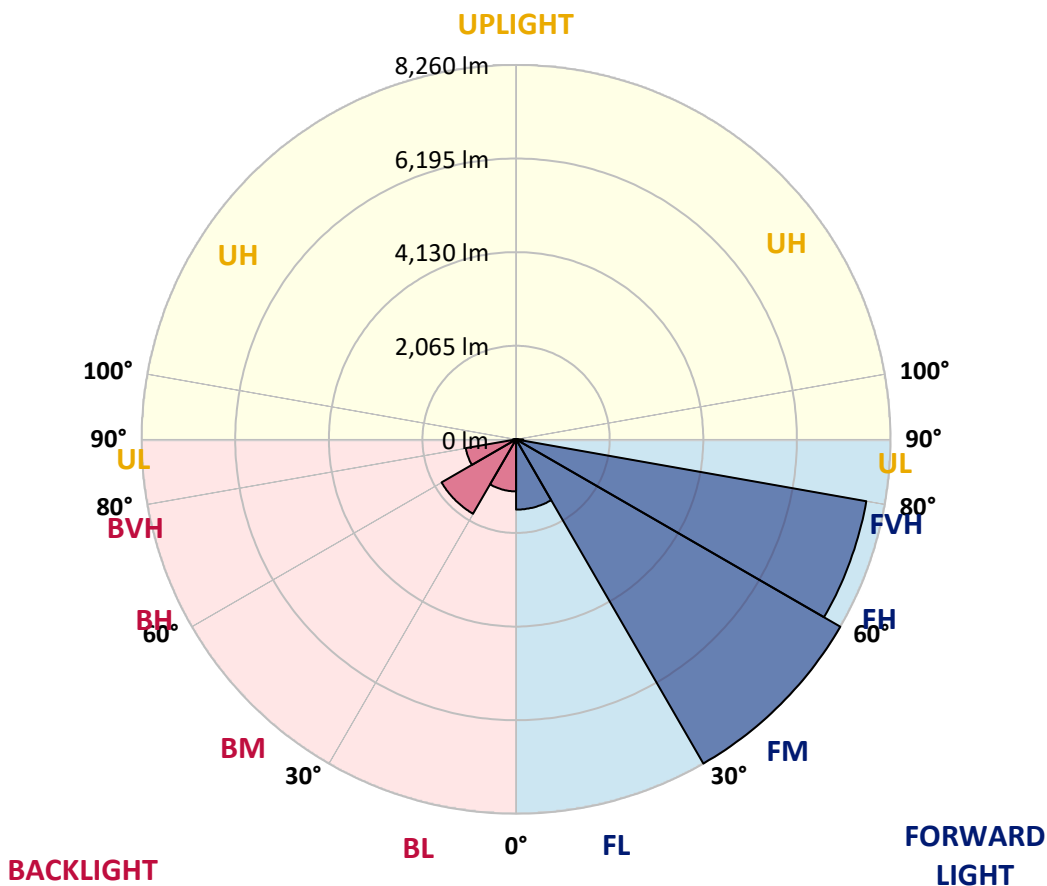
REPORT NUMBER: P635753

CATALOG NUMBER: GWS-SA3E-735-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1549.7	7.0			
FM (30°-60°)	8259.6	37.5			
FH (60°-80°)	7845.4	35.6			G4/12000
FVH (80°-90°)	156.2	0.7			G2/225
BL (0°-30°)	1147.6	5.2	B3/2500		
BM (30°-60°)	1896.3	8.6	B2/2500		
BH (60°-80°)	1126.7	5.1	B3/2500		G3/2500
BVH (80°-90°)	68.6	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: P635753
 CATALOG NUMBER: GWS-SA3E-735-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2
2.5°	3330.7	3312.0	3333.8	3344.6	3372.6	3413.1	3448.8	3450.4	3469.0	3514.1	3557.7
5°	3179.8	3170.5	3176.7	3209.4	3238.9	3290.2	3344.6	3349.3	3402.2	3490.8	3577.9
7.5°	3063.2	3050.8	3074.1	3116.1	3153.4	3210.9	3282.4	3288.7	3363.3	3497.0	3630.8
10°	2895.3	2885.9	2929.5	2985.5	3066.3	3161.2	3256.0	3263.8	3361.7	3537.5	3724.0
12.5°	2822.2	2822.2	2840.8	2893.7	2982.3	3108.3	3251.3	3263.8	3386.6	3599.7	3843.8
15°	2935.7	2943.5	2927.9	2924.8	2960.6	3080.3	3257.6	3276.2	3433.3	3663.4	3962.0
17.5°	3164.3	3172.0	3131.6	3067.9	3032.1	3106.7	3280.9	3301.1	3483.0	3733.4	4089.5
20°	3484.6	3493.9	3405.3	3307.3	3184.5	3182.9	3326.0	3344.6	3546.8	3809.6	4224.7
22.5°	3859.3	3865.5	3753.6	3598.1	3410.0	3324.4	3403.7	3422.4	3629.2	3915.3	4370.9
25°	4293.2	4311.8	4176.5	3951.1	3696.1	3518.8	3532.8	3554.6	3776.9	4056.8	4543.5
27.5°	4756.5	4779.8	4624.3	4375.6	4024.1	3733.4	3699.2	3717.8	3934.0	4143.9	4635.2
30°	5230.8	5247.9	5092.4	4807.8	4377.1	3975.9	3839.1	3850.0	4002.4	4185.9	4728.5
32.5°	5757.9	5743.9	5594.6	5266.5	4784.5	4266.7	3969.7	3966.6	4078.6	4269.8	4862.3
35°	6252.4	6272.6	6114.0	5751.7	5232.3	4625.9	4165.6	4153.2	4240.3	4406.7	5050.4
37.5°	6851.0	6844.8	6655.1	6263.2	5681.7	4969.5	4440.9	4419.1	4450.2	4619.7	5313.2
40°	7278.6	7322.1	7199.3	6833.9	6207.3	5392.5	4762.7	4714.5	4722.3	4882.5	5664.6
42.5°	7628.5	7668.9	7681.3	7448.1	6809.0	5914.9	5163.9	5115.7	5120.4	5347.4	6096.9
45°	7897.5	7951.9	8127.6	8059.2	7487.0	6518.2	5706.6	5656.8	5659.9	5911.8	6619.3
47.5°	8007.9	8067.0	8423.0	8586.3	8206.9	7239.7	6381.4	6308.3	6319.2	6597.6	7216.4
50°	7972.1	8051.4	8533.4	8992.1	8810.2	7973.7	7188.4	7137.1	7095.1	7499.4	7864.8
52.5°	7664.2	7751.3	8522.5	9250.3	9303.1	8667.2	8021.9	7992.3	7983.0	8457.2	8589.4
55°	6757.7	6903.9	8147.8	9318.7	9688.7	9320.2	8925.3	8875.5	8923.7	9483.5	9321.8
57.5°	6255.5	6364.3	7413.9	9242.5	10004.4	9942.2	9827.1	9831.8	9886.2	10598.4	10209.6
60°	5969.4	6096.9	7006.5	9034.1	10307.6	10697.9	10771.0	10771.0	10868.9	11800.3	11111.5
62.5°	5590.0	5719.0	6625.5	8632.9	10587.5	11587.3	11957.4	11952.7	11991.6	13089.4	11993.1
65°	4820.3	4940.0	5860.5	8000.1	10724.3	12566.9	13305.5	13291.5	13213.8	14236.9	12576.2
67.5°	3500.1	3613.6	4489.1	6796.6	10231.4	13356.8	14694.0	14700.3	14235.3	14959.9	12607.3
70°	2307.5	2385.3	2885.9	4414.4	8320.4	13016.3	15275.6	15294.3	14392.4	14509.0	11220.3
72.5°	1439.9	1494.3	1802.2	2632.5	4916.7	10302.9	13782.9	13834.2	12947.9	12750.4	9219.2
75°	956.3	993.6	1198.8	1534.7	2274.9	5576.0	10477.1	10641.9	10377.6	9995.1	6423.4
77.5°	575.3	606.4	763.5	974.9	1007.6	2178.5	6115.5	6541.6	6578.9	5218.3	2690.0
80°	262.8	298.5	421.4	556.7	536.4	758.8	2156.7	2256.2	2662.0	1657.6	849.0
82.5°	155.5	171.0	279.9	276.8	228.6	368.5	775.9	796.1	676.4	606.4	362.3
85°	62.2	73.1	118.2	104.2	84.0	119.7	292.3	306.3	293.9	264.3	133.7
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	26.4	28.0	40.4	73.1	40.4
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: P635753
 CATALOG NUMBER: GWS-SA3E-735-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2	3559.2
2.5°	3585.7	3576.3	3623.0	3658.7	3674.3	3689.8	3675.8	3671.2	3671.2	3640.1	3624.5
5°	3624.5	3629.2	3692.9	3722.5	3722.5	3710.1	3672.7	3646.3	3637.0	3596.5	3585.7
7.5°	3697.6	3717.8	3776.9	3775.4	3731.8	3663.4	3570.1	3498.6	3433.3	3405.3	3388.2
10°	3817.3	3843.8	3884.2	3818.9	3697.6	3517.2	3319.8	3164.3	3071.0	2996.3	2996.3
12.5°	3954.2	3979.1	3971.3	3820.5	3570.1	3232.7	2948.1	2769.3	2638.7	2570.3	2570.3
15°	4091.0	4111.2	4027.3	3748.9	3304.2	2854.8	2543.9	2329.3	2215.8	2152.0	2152.0
17.5°	4229.4	4227.8	4050.6	3584.1	2957.5	2436.6	2131.8	1965.4	1926.6	1915.7	1914.1
20°	4363.1	4327.4	4021.0	3308.9	2554.7	2015.2	1822.4	1833.3	1890.8	1915.7	1918.8
22.5°	4513.9	4425.3	3934.0	2957.5	2097.6	1722.9	1735.3	1825.5	1909.4	1946.8	1951.4
25°	4667.9	4509.3	3787.8	2545.4	1715.1	1615.6	1712.0	1813.0	1907.9	1956.1	1960.8
27.5°	4730.1	4509.3	3539.0	2068.1	1511.4	1570.5	1676.2	1774.2	1873.7	1929.7	1940.5
30°	4781.4	4470.4	3190.7	1637.3	1427.4	1526.9	1618.7	1708.9	1806.8	1875.2	1887.7
32.5°	4852.9	4436.2	2769.3	1376.1	1388.5	1485.0	1548.7	1624.9	1713.5	1758.6	1754.0
35°	4936.9	4383.3	2260.9	1251.7	1355.9	1449.2	1494.3	1539.4	1498.9	1497.4	1502.1
37.5°	5056.6	4336.7	1817.7	1195.7	1334.1	1424.3	1461.6	1365.2	1309.2	1285.9	1276.6
40°	5229.2	4318.0	1433.6	1163.1	1331.0	1422.8	1396.3	1247.1	1170.9	1090.0	1088.4
42.5°	5446.9	4304.0	1184.9	1147.5	1341.9	1458.5	1306.1	1169.3	1012.3	976.5	973.4
45°	5726.8	4282.3	1060.5	1144.4	1368.3	1486.5	1296.8	1062.0	954.7	939.2	939.2
47.5°	6064.2	4248.1	1004.5	1144.4	1397.9	1474.1	1268.8	1038.7	928.3	945.4	956.3
50°	6451.4	4204.5	974.9	1141.3	1427.4	1474.1	1209.7	1034.0	922.1	1010.7	1046.5
52.5°	6865.0	4154.8	954.7	1128.9	1447.6	1475.6	1212.8	1049.6	928.3	1026.3	1055.8
55°	7322.1	4147.0	926.7	1102.4	1453.9	1435.2	1220.6	1083.8	937.6	929.8	931.4
57.5°	7899.0	4240.3	906.5	1063.6	1429.0	1352.8	1236.2	1108.7	926.7	928.3	939.2
60°	8502.3	4416.0	923.6	1026.3	1377.7	1275.0	1247.1	1096.2	873.9	849.0	852.1
62.5°	9015.5	4549.7	937.6	1009.1	1303.0	1206.6	1236.2	1068.2	844.3	838.1	852.1
65°	9230.0	4439.3	903.4	973.4	1194.2	1122.7	1212.8	1032.5	819.4	796.1	797.7
67.5°	8992.1	3921.5	836.6	894.1	1071.3	1015.4	1175.5	985.8	785.2	757.2	751.0
70°	7681.3	2881.3	721.5	768.1	922.1	889.4	1118.0	925.2	730.8	710.6	696.6
72.5°	6190.2	2040.1	598.6	611.1	723.0	749.5	1018.5	849.0	668.6	611.1	590.9
75°	4308.7	1281.3	499.1	486.7	522.5	572.2	794.6	704.4	576.9	516.2	497.6
77.5°	1853.5	657.7	390.3	384.1	348.3	396.5	609.5	587.8	483.6	413.6	402.7
80°	620.4	381.0	281.4	270.6	231.7	278.3	429.2	469.6	379.4	306.3	287.7
82.5°	311.0	220.8	178.8	161.7	155.5	175.7	253.5	292.3	262.8	211.5	178.8
85°	152.4	125.9	98.0	96.4	80.9	76.2	105.7	124.4	118.2	87.1	82.4
87.5°	56.0	49.8	31.1	24.9	15.5	10.9	6.2	6.2	4.7	4.7	4.7
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)