

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: P635755

Luminaire Tested: GWS-SA3E-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20950.8 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

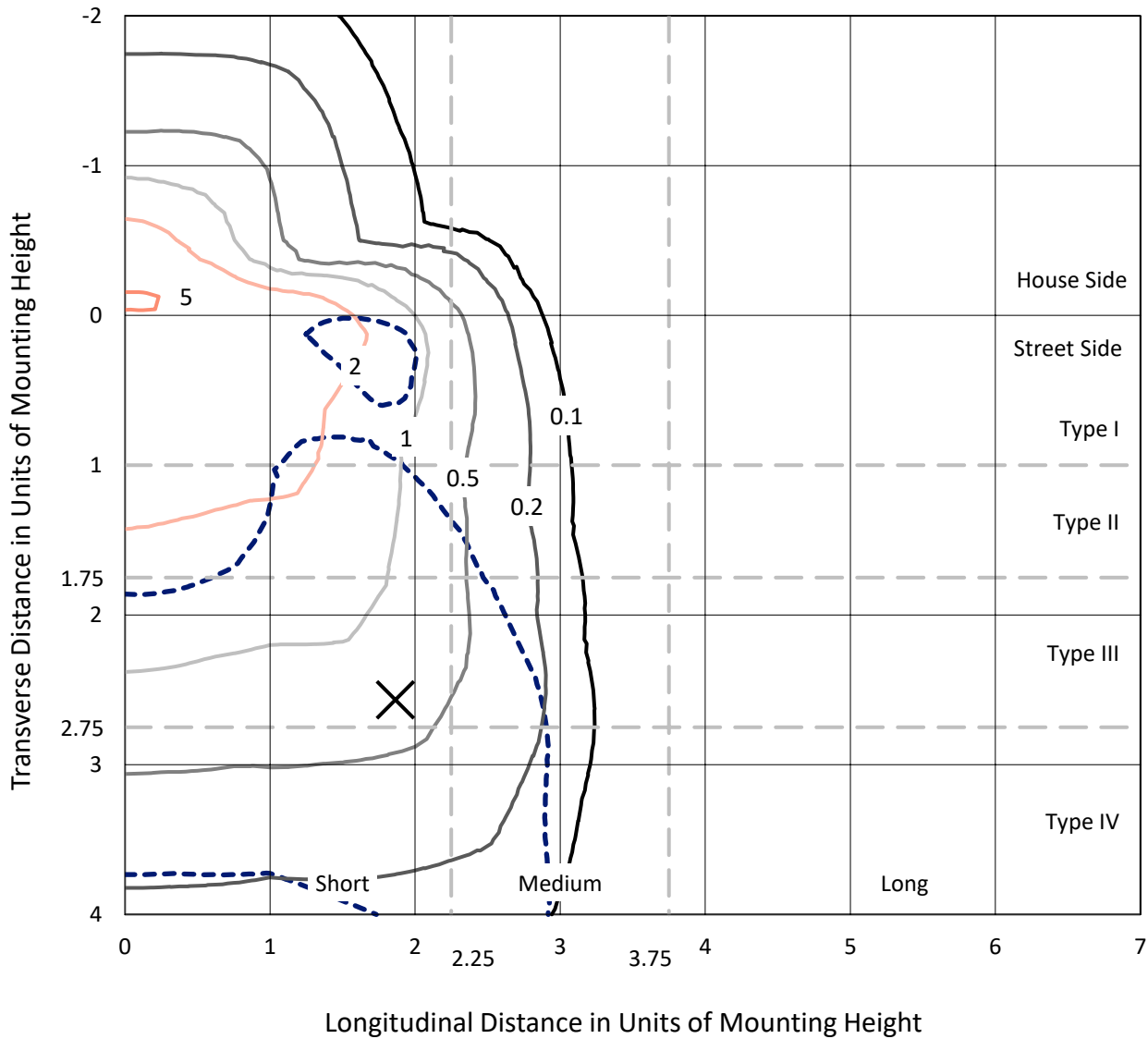
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635755
 CATALOG NUMBER: GWS-SA3E-735-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

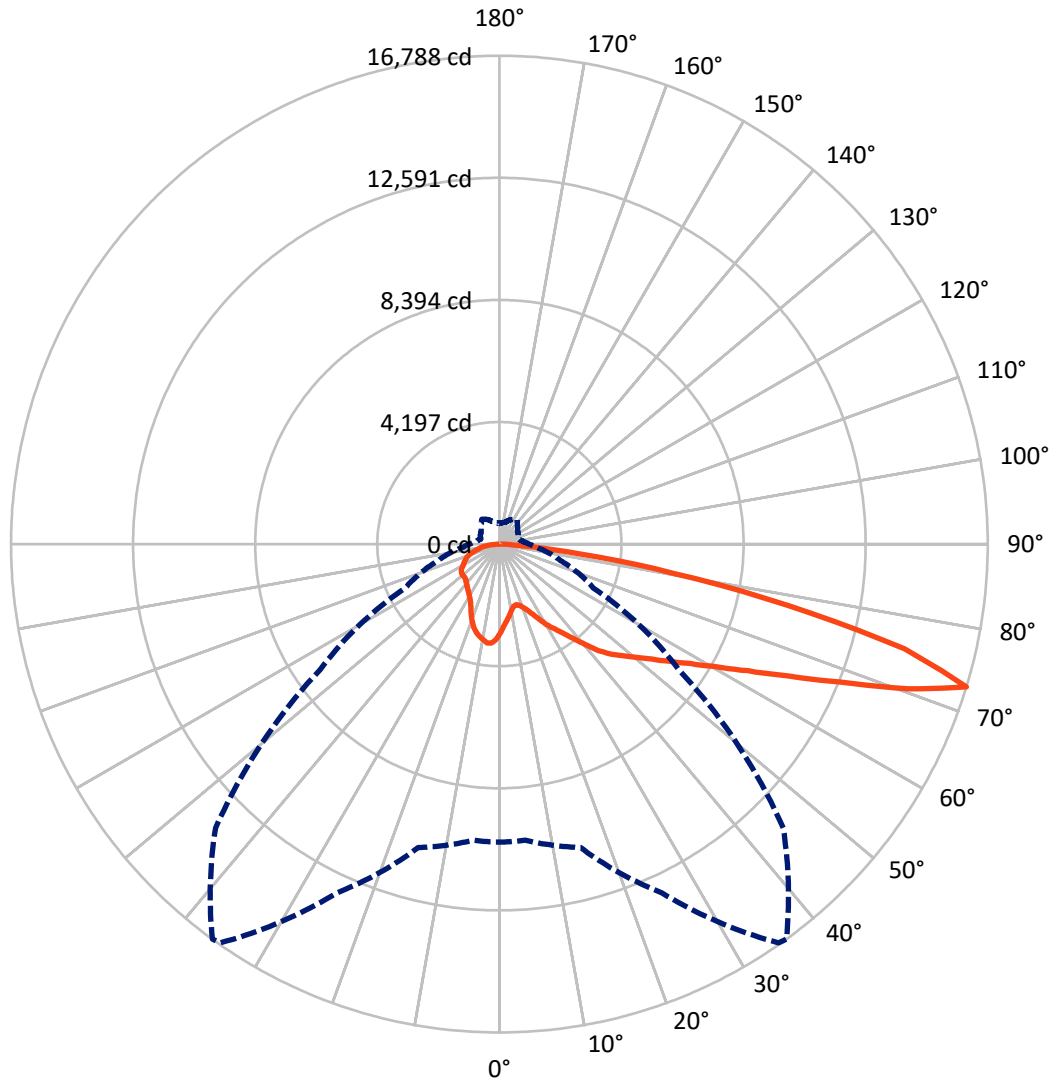
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P635755
CATALOG NUMBER: GWS-SA3E-735-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P635755

CATALOG NUMBER: GWS-SA3E-735-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4830.1	0.0	4830.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	16120.7	0.0	16120.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	20950.8	0.0	20950.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	1.4
10°-20°	808.6	3.9
20°-30°	1339.2	6.4
30°-40°	2005.6	9.6
40°-50°	2926.0	14.0
50°-60°	4164.6	19.9
60°-70°	5261.6	25.1
70°-80°	3749.3	17.9
80°-90°	409.3	2.0
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°	20950.8	100.0
0°-180°	20950.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635755

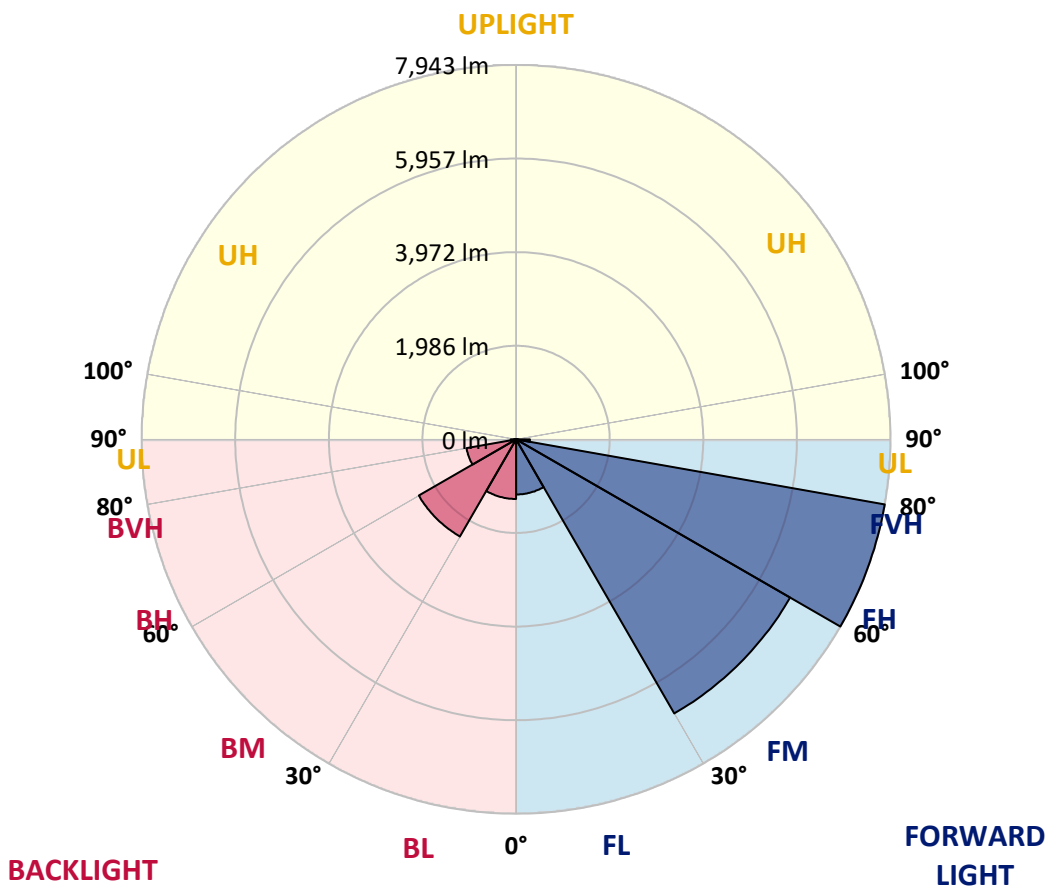
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.6	5.6			
FM (30°-60°)	6714.2	32.0			
FH (60°-80°)	7943.1	37.9			G4/12000
FVH (80°-90°)	293.8	1.4			G3/500
BL (0°-30°)	1264.8	6.0	B3/2500		
BM (30°-60°)	2381.9	11.4	B2/2500		
BH (60°-80°)	1067.8	5.1	B3/2500		G3/2500
BVH (80°-90°)	115.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P635755
 CATALOG NUMBER: GWS-SA3E-735-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2
2.5°	2797.2	2792.6	2783.3	2811.2	2839.2	2836.1	2875.0	2912.3	2952.7	2994.7	3050.7
5°	2573.3	2570.2	2562.5	2604.4	2646.4	2644.9	2708.6	2769.3	2851.7	2941.9	3053.8
7.5°	2349.4	2341.7	2352.5	2405.4	2464.5	2470.7	2557.8	2657.3	2777.0	2912.3	3070.9
10°	2152.0	2150.4	2155.1	2214.2	2302.8	2309.0	2421.0	2559.3	2717.9	2898.3	3109.8
12.5°	2100.7	2097.5	2085.1	2114.7	2181.5	2190.8	2313.7	2483.2	2677.5	2906.1	3162.6
15°	2184.6	2176.8	2133.3	2119.3	2152.0	2159.7	2263.9	2438.1	2654.2	2920.1	3229.5
17.5°	2329.2	2324.6	2242.2	2184.6	2206.4	2212.6	2290.4	2430.3	2648.0	2948.1	3311.9
20°	2540.7	2520.5	2391.4	2304.3	2304.3	2313.7	2360.3	2464.5	2655.8	2982.3	3405.2
22.5°	2820.6	2780.1	2598.2	2480.0	2449.0	2461.4	2481.6	2550.0	2688.4	3039.8	3521.8
25°	3134.7	3097.3	2881.2	2714.8	2671.3	2676.0	2658.9	2671.3	2759.9	3119.1	3666.4
27.5°	3469.0	3444.1	3214.0	3002.5	2934.1	2934.1	2873.4	2843.9	2859.4	3209.3	3828.1
30°	3767.5	3733.3	3538.9	3307.3	3217.1	3217.1	3102.0	3038.3	3000.9	3319.7	4044.3
32.5°	3924.5	3904.3	3775.3	3598.0	3487.6	3470.5	3371.0	3296.4	3209.3	3483.0	4336.6
35°	4129.8	4125.1	4047.4	3909.0	3769.1	3744.2	3675.8	3616.7	3465.9	3686.6	4725.3
37.5°	4387.9	4380.1	4367.7	4285.3	4117.3	4112.7	4052.0	3980.5	3784.6	3980.5	5196.4
40°	4677.1	4663.1	4647.6	4646.0	4544.9	4527.8	4523.2	4442.3	4168.7	4335.0	5687.8
42.5°	5075.2	5027.0	4880.8	4946.1	5020.7	5005.2	5064.3	4943.0	4647.6	4756.4	6152.7
45°	5565.0	5446.8	5157.6	5176.2	5364.4	5395.5	5600.7	5571.2	5174.7	5243.1	6642.5
47.5°	5858.8	5756.2	5487.2	5471.7	5706.4	5745.3	6191.6	6247.5	5742.2	5829.3	7247.3
50°	6099.8	6028.3	5807.5	5829.3	6078.1	6116.9	6777.8	6897.5	6277.1	6429.5	7950.2
52.5°	6390.6	6288.0	6116.9	6219.6	6524.3	6571.0	7429.3	7558.3	6759.1	7088.7	8677.8
55°	6553.9	6511.9	6515.0	6672.0	7054.5	7118.3	8111.9	8090.1	7200.7	7653.2	9225.2
57.5°	6930.1	6914.6	7057.6	7116.7	7673.4	7755.8	8794.5	8607.9	7601.9	8090.1	9487.9
60°	7594.1	7555.2	7679.6	7769.8	8438.4	8555.0	9556.4	9114.8	7874.0	8415.1	9399.3
62.5°	8527.0	8478.8	8483.5	8626.5	9463.1	9585.9	10403.8	9537.7	7957.9	8464.8	8838.0
65°	9687.0	9617.0	9537.7	9732.1	10823.6	10926.2	11325.8	9845.6	7757.3	7985.9	7665.6
67.5°	10910.7	10853.1	10759.8	11167.2	12585.3	12647.5	12359.8	9819.1	7121.4	6704.7	5376.8
70°	10982.2	10996.2	11437.8	12911.8	14885.0	14900.5	13337.8	9287.4	5767.1	4345.9	2679.1
72.5°	10245.2	10221.8	10797.2	13230.6	16735.3	16788.1	13799.7	7524.1	3563.8	2167.5	1256.4
75°	8321.8	8362.2	8967.1	11576.2	14343.9	14390.5	11249.6	4436.1	1693.3	1060.4	803.9
77.5°	3582.5	3807.9	5000.5	8155.4	10273.2	10128.6	5798.2	1797.5	903.4	755.7	615.7
80°	1034.0	1122.6	1781.9	3877.9	6155.8	6047.0	2295.0	673.3	629.7	567.5	441.6
82.5°	334.3	370.1	653.1	1544.0	2758.4	2755.3	870.7	398.1	412.0	385.6	284.5
85°	93.3	107.3	200.6	468.0	853.6	836.5	251.9	188.1	219.2	222.3	141.5
87.5°	0.0	0.0	1.6	3.1	3.1	3.1	6.2	28.0	63.8	80.9	57.5
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: P635755
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2	3066.2
2.5°	3084.9	3080.2	3144.0	3193.7	3240.4	3271.5	3280.8	3287.0	3299.5	3305.7	3299.5
5°	3106.7	3130.0	3235.7	3313.5	3375.7	3413.0	3414.5	3411.4	3420.8	3413.0	3408.3
7.5°	3153.3	3198.4	3332.1	3414.5	3455.0	3456.5	3419.2	3375.7	3353.9	3335.2	3329.0
10°	3215.5	3282.4	3428.5	3483.0	3470.5	3413.0	3330.6	3262.2	3223.3	3195.3	3189.1
12.5°	3301.0	3375.7	3514.1	3512.5	3434.8	3332.1	3235.7	3153.3	3097.3	3064.7	3053.8
15°	3381.9	3476.7	3576.2	3503.2	3380.3	3255.9	3131.5	3021.2	2946.5	2895.2	2885.9
17.5°	3481.4	3582.5	3621.3	3473.6	3311.9	3151.8	2985.4	2840.8	2739.7	2679.1	2674.4
20°	3596.5	3686.6	3643.1	3422.3	3223.3	3013.4	2787.9	2626.2	2517.4	2458.3	2462.9
22.5°	3730.2	3795.5	3649.3	3352.3	3100.5	2817.5	2565.6	2410.1	2337.0	2305.9	2307.5
25°	3873.2	3915.2	3638.4	3257.5	2912.3	2578.0	2337.0	2265.5	2259.3	2251.5	2254.6
27.5°	4042.7	4033.4	3605.8	3123.8	2658.9	2299.7	2176.8	2195.5	2220.4	2217.3	2220.4
30°	4269.7	4181.1	3563.8	2938.7	2357.2	2066.4	2082.0	2134.9	2167.5	2170.6	2180.0
32.5°	4529.4	4344.4	3496.9	2686.9	2069.6	1935.8	1993.4	2057.1	2096.0	2103.8	2116.2
35°	4838.8	4530.9	3378.8	2372.8	1862.8	1858.1	1911.0	1954.5	1996.5	1999.6	1999.6
37.5°	5194.9	4717.5	3190.6	2026.0	1735.3	1791.2	1841.0	1850.3	1861.2	1851.9	1856.5
40°	5521.4	4897.9	2923.2	1710.4	1631.1	1732.1	1774.1	1743.0	1708.8	1685.5	1690.2
42.5°	5795.1	5020.7	2568.7	1489.6	1525.3	1679.3	1711.9	1648.2	1581.3	1537.8	1544.0
45°	6102.9	5134.2	2152.0	1340.3	1435.2	1642.0	1663.7	1581.3	1495.8	1430.5	1421.2
47.5°	6527.4	5365.9	1781.9	1236.1	1371.4	1621.8	1657.5	1545.6	1433.6	1335.7	1324.8
50°	7051.4	5694.0	1472.5	1167.7	1341.9	1610.9	1656.0	1506.7	1373.0	1257.9	1250.1
52.5°	7623.6	6014.3	1243.9	1114.9	1312.3	1578.2	1648.2	1463.2	1309.2	1184.8	1175.5
55°	8004.6	6140.3	1090.0	1065.1	1264.1	1526.9	1617.1	1421.2	1212.8	1099.3	1085.3
57.5°	8116.5	5978.6	982.7	1020.0	1201.9	1455.4	1558.0	1332.5	1153.7	1063.5	1052.7
60°	7923.7	5571.2	915.8	982.7	1133.5	1363.6	1455.4	1281.2	1107.1	1026.2	1018.5
62.5°	7379.5	4943.0	864.5	943.8	1063.5	1267.2	1390.1	1219.0	1055.8	992.0	981.1
65°	6284.9	4053.6	822.5	903.4	996.7	1175.5	1318.5	1156.8	999.8	951.6	939.2
67.5°	4395.7	2847.0	777.4	855.2	929.8	1086.9	1243.9	1099.3	942.3	906.5	894.1
70°	2148.9	1509.8	723.0	799.2	858.3	996.7	1169.3	1029.3	866.1	845.9	828.8
72.5°	1023.1	844.3	659.3	723.0	760.3	877.0	1044.9	928.3	775.9	732.4	702.8
75°	685.7	600.2	575.3	632.8	642.2	735.5	895.6	800.8	684.2	634.4	609.5
77.5°	519.3	458.7	483.6	534.9	516.2	604.9	737.0	713.7	617.3	572.2	559.8
80°	365.4	334.3	384.1	415.2	401.2	514.7	663.9	611.1	508.4	458.7	449.4
82.5°	230.1	223.9	283.0	287.7	292.3	407.4	545.8	480.5	394.9	325.0	301.6
85°	115.1	127.5	169.5	169.5	167.9	209.9	311.0	270.6	213.0	169.5	164.8
87.5°	38.9	54.4	73.1	59.1	45.1	35.8	40.4	49.8	52.9	51.3	51.3
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)