

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: P638065

Luminaire Tested: GWS-SA4E-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638065
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-SA4E-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21773.4 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

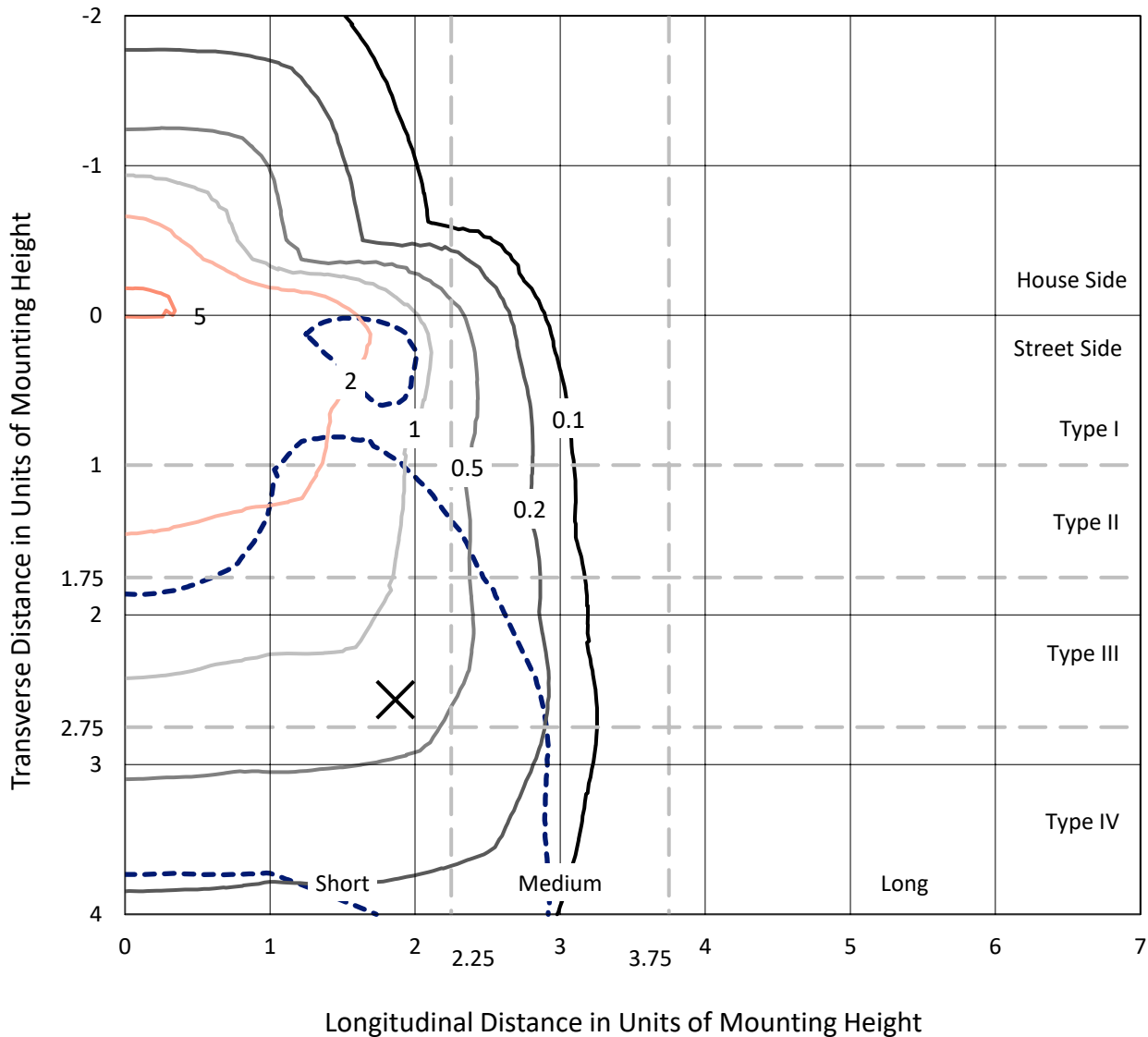
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638065
 CATALOG NUMBER: GWS-SA4E-722-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

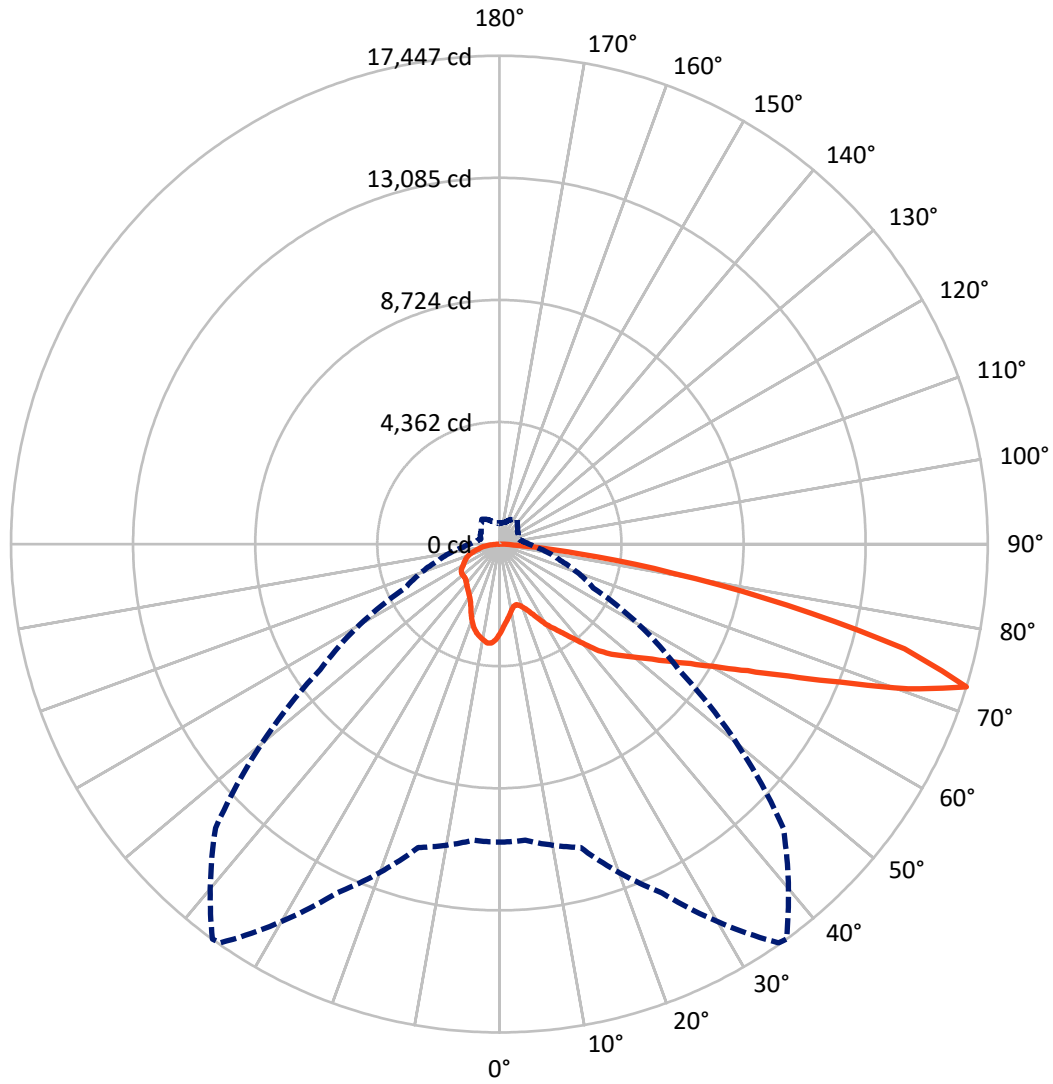
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P638065
CATALOG NUMBER: GWS-SA4E-722-U-T4FT-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P638065

CATALOG NUMBER: GWS-SA4E-722-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5019.7	0.0	5019.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	16753.7	0.0	16753.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	21773.4	0.0	21773.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	1.4
10°-20°	840.4	3.9
20°-30°	1391.8	6.4
30°-40°	2084.3	9.6
40°-50°	3040.9	14.0
50°-60°	4328.1	19.9
60°-70°	5468.2	25.1
70°-80°	3896.6	17.9
80°-90°	425.4	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°	21773.4	100.0
0°-180°	21773.4	100.0

Coefficient of Utilization



REPORT NUMBER: P638065

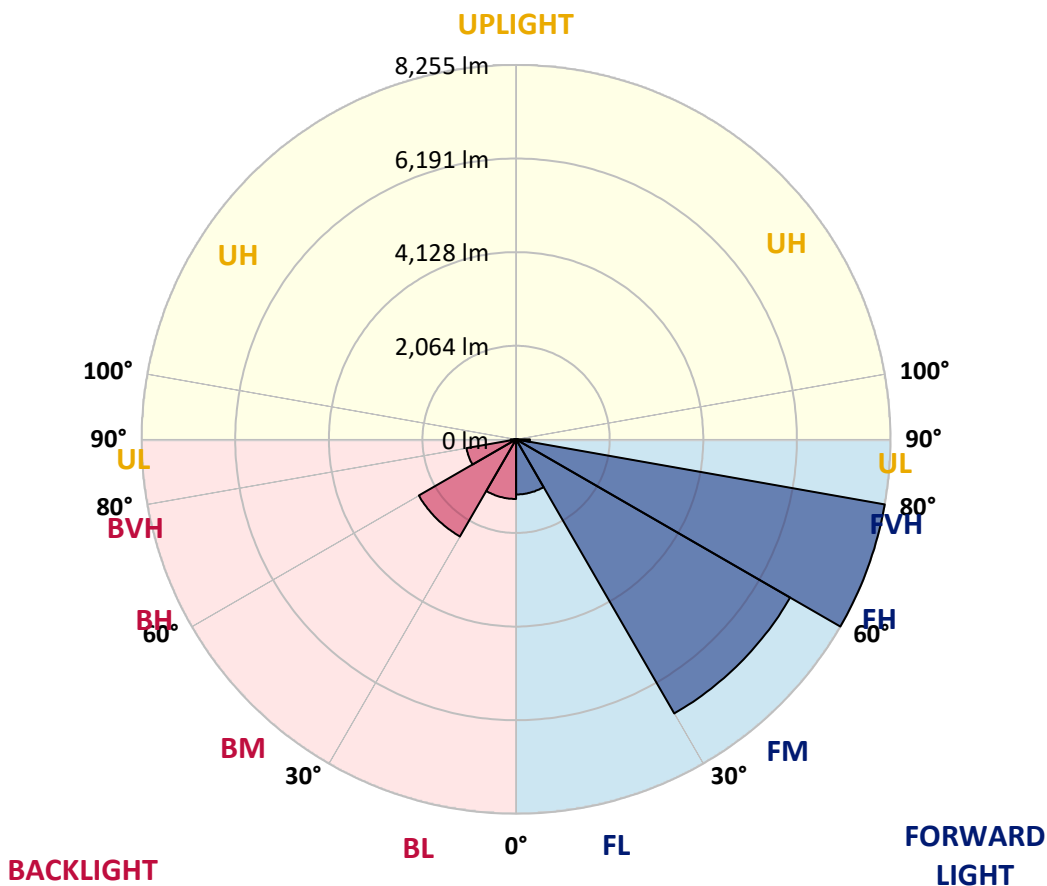
CATALOG NUMBER: GWS-SA4E-722-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.5	5.6			
FM (30°-60°)	6977.8	32.0			
FH (60°-80°)	8255.0	37.9			G4/12000
FVH (80°-90°)	305.3	1.4			G3/500
BL (0°-30°)	1314.5	6.0	B3/2500		
BM (30°-60°)	2475.4	11.4	B2/2500		
BH (60°-80°)	1109.7	5.1	B3/2500		G3/2500
BVH (80°-90°)	120.1	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: P638065

CATALOG NUMBER: GWS-SA4E-722-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6
2.5°	2907.1	2902.2	2892.5	2921.6	2950.7	2947.5	2987.9	3026.7	3068.7	3112.3	3170.5
5°	2674.4	2671.1	2663.1	2706.7	2750.3	2748.7	2815.0	2878.0	2963.6	3057.4	3173.7
7.5°	2441.7	2433.6	2444.9	2499.9	2561.3	2567.7	2658.2	2761.6	2886.1	3026.7	3191.5
10°	2236.5	2234.8	2239.7	2301.1	2393.2	2399.7	2516.0	2659.8	2824.7	3012.1	3231.9
12.5°	2183.1	2179.9	2167.0	2197.7	2267.2	2276.9	2404.5	2580.7	2782.6	3020.2	3286.8
15°	2270.4	2262.3	2217.1	2202.5	2236.5	2244.5	2352.8	2533.8	2758.4	3034.7	3356.3
17.5°	2420.7	2415.8	2330.2	2270.4	2293.0	2299.5	2380.3	2525.7	2751.9	3063.8	3442.0
20°	2640.4	2619.4	2485.3	2394.8	2394.8	2404.5	2453.0	2561.3	2760.0	3099.4	3538.9
22.5°	2931.3	2889.3	2700.2	2577.4	2545.1	2558.0	2579.0	2650.1	2794.0	3159.2	3660.1
25°	3257.7	3219.0	2994.3	2821.4	2776.2	2781.0	2763.3	2776.2	2868.3	3241.6	3810.4
27.5°	3605.2	3579.3	3340.1	3120.4	3049.3	3049.3	2986.3	2955.6	2971.7	3335.3	3978.4
30°	3915.4	3879.9	3677.9	3437.1	3343.4	3343.4	3223.8	3157.5	3118.8	3450.0	4203.1
32.5°	4078.6	4057.6	3923.5	3739.3	3624.6	3606.8	3503.4	3425.8	3335.3	3619.7	4506.9
35°	4291.9	4287.1	4206.3	4062.5	3917.0	3891.2	3820.1	3758.7	3601.9	3831.4	4910.8
37.5°	4560.2	4552.1	4539.2	4453.5	4279.0	4274.2	4211.1	4136.8	3933.2	4136.8	5400.5
40°	4860.7	4846.2	4830.0	4828.4	4723.4	4705.6	4700.8	4616.7	4332.3	4505.2	5911.1
42.5°	5274.4	5224.3	5072.4	5140.3	5217.9	5201.7	5263.1	5137.1	4830.0	4943.2	6394.3
45°	5783.5	5660.6	5360.1	5379.5	5575.0	5607.3	5820.6	5789.9	5377.8	5449.0	6903.3
47.5°	6088.9	5982.2	5702.7	5686.5	5930.5	5970.9	6434.7	6492.8	5967.7	6058.2	7531.9
50°	6339.3	6265.0	6035.5	6058.2	6316.7	6357.1	7043.9	7168.3	6523.6	6681.9	8262.3
52.5°	6641.5	6534.9	6357.1	6463.8	6780.5	6829.0	7721.0	7855.1	7024.5	7367.1	9018.6
55°	6811.2	6767.6	6770.8	6934.0	7331.5	7397.8	8430.4	8407.7	7483.4	7953.7	9587.4
57.5°	7202.2	7186.1	7334.8	7396.2	7974.7	8060.3	9139.8	8945.8	7900.3	8407.7	9860.5
60°	7892.3	7851.9	7981.1	8074.9	8769.7	8890.9	9931.6	9472.6	8183.1	8745.5	9768.4
62.5°	8861.8	8811.7	8816.6	8965.2	9834.6	9962.3	10812.3	9912.2	8270.4	8797.2	9185.0
65°	10067.3	9994.6	9912.2	10114.2	11248.6	11355.2	11770.5	10232.1	8061.9	8299.5	7966.6
67.5°	11339.1	11279.3	11182.3	11605.7	13079.4	13144.1	12845.1	10204.7	7401.0	6967.9	5587.9
70°	11413.4	11427.9	11886.9	13418.8	15469.4	15485.6	13861.5	9652.0	5993.5	4516.6	2784.3
72.5°	10647.4	10623.2	11221.1	13750.0	17392.4	17447.3	14341.5	7819.5	3703.7	2252.6	1305.7
75°	8648.5	8690.5	9319.1	12030.7	14907.1	14955.5	11691.3	4610.3	1759.8	1102.1	835.4
77.5°	3723.1	3957.4	5196.9	8475.6	10676.5	10526.2	6025.8	1868.0	938.9	785.3	639.9
80°	1074.6	1166.7	1851.9	4030.2	6397.5	6284.4	2385.1	699.7	654.5	589.8	458.9
82.5°	347.4	384.6	678.7	1604.6	2866.7	2863.4	904.9	413.7	428.2	400.8	295.7
85°	97.0	111.5	208.5	486.4	887.2	869.4	261.8	195.5	227.8	231.1	147.1
87.5°	0.0	0.0	1.6	3.2	3.2	3.2	6.5	29.1	66.3	84.0	59.8
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: P638065
 CATALOG NUMBER: GWS-SA4E-722-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6	3186.6
2.5°	3206.0	3201.2	3267.4	3319.1	3367.6	3399.9	3409.6	3416.1	3429.0	3435.5	3429.0
5°	3228.6	3252.9	3362.8	3443.6	3508.2	3547.0	3548.6	3545.4	3555.1	3547.0	3542.1
7.5°	3277.1	3324.0	3463.0	3548.6	3590.6	3592.2	3553.5	3508.2	3485.6	3466.2	3459.7
10°	3341.8	3411.3	3563.1	3619.7	3606.8	3547.0	3461.3	3390.2	3349.8	3320.8	3314.3
12.5°	3430.6	3508.2	3652.0	3650.4	3569.6	3463.0	3362.8	3277.1	3219.0	3185.0	3173.7
15°	3514.7	3613.2	3716.7	3640.7	3513.1	3383.8	3254.5	3139.8	3062.2	3008.9	2999.2
17.5°	3618.1	3723.1	3763.5	3610.0	3442.0	3275.5	3102.6	2952.3	2847.3	2784.3	2779.4
20°	3737.7	3831.4	3786.1	3556.7	3349.8	3131.7	2897.4	2729.3	2616.2	2554.8	2559.6
22.5°	3876.6	3944.5	3792.6	3484.0	3222.2	2928.1	2666.3	2504.7	2428.8	2396.4	2398.1
25°	4025.3	4068.9	3781.3	3385.4	3026.7	2679.2	2428.8	2354.4	2348.0	2339.9	2343.1
27.5°	4201.4	4191.7	3747.4	3246.4	2763.3	2390.0	2262.3	2281.7	2307.6	2304.3	2307.6
30°	4437.4	4345.3	3703.7	3054.1	2449.8	2147.6	2163.7	2218.7	2252.6	2255.9	2265.5
32.5°	4707.2	4514.9	3634.3	2792.3	2150.8	2011.8	2071.6	2137.9	2178.3	2186.4	2199.3
35°	5028.8	4708.9	3511.4	2465.9	1935.9	1931.0	1986.0	2031.2	2074.9	2078.1	2078.1
37.5°	5398.9	4902.8	3315.9	2105.6	1803.4	1861.6	1913.3	1923.0	1934.3	1924.6	1929.4
40°	5738.2	5090.2	3038.0	1777.5	1695.1	1800.2	1843.8	1811.5	1775.9	1751.7	1756.5
42.5°	6022.6	5217.9	2669.5	1548.1	1585.2	1745.2	1779.2	1712.9	1643.4	1598.2	1604.6
45°	6342.6	5335.8	2236.5	1392.9	1491.5	1706.4	1729.1	1643.4	1554.5	1486.7	1477.0
47.5°	6783.7	5576.6	1851.9	1284.7	1425.3	1685.4	1722.6	1606.2	1489.9	1388.1	1376.8
50°	7328.3	5917.6	1530.3	1213.6	1394.6	1674.1	1721.0	1565.8	1426.9	1307.3	1299.2
52.5°	7923.0	6250.5	1292.8	1158.6	1363.9	1640.2	1712.9	1520.6	1360.6	1231.3	1221.7
55°	8318.9	6381.3	1132.8	1106.9	1313.8	1586.9	1680.6	1477.0	1260.4	1142.5	1127.9
57.5°	8435.2	6213.3	1021.3	1060.1	1249.1	1512.5	1619.2	1384.9	1199.0	1105.3	1094.0
60°	8234.8	5789.9	951.8	1021.3	1178.0	1417.2	1512.5	1331.5	1150.5	1066.5	1058.4
62.5°	7669.3	5137.1	898.5	980.9	1105.3	1317.0	1444.7	1266.9	1097.2	1031.0	1019.7
65°	6531.6	4212.8	854.8	938.9	1035.8	1221.7	1370.3	1202.3	1039.0	989.0	976.0
67.5°	4568.3	2958.8	808.0	888.8	966.3	1129.5	1292.8	1142.5	979.3	942.1	929.2
70°	2233.2	1569.1	751.4	830.6	892.0	1035.8	1215.2	1069.8	900.1	879.1	861.3
72.5°	1063.3	877.5	685.2	751.4	790.2	911.4	1085.9	964.7	806.4	761.1	730.4
75°	712.6	623.8	597.9	657.7	667.4	764.3	930.8	832.2	711.0	659.3	633.4
77.5°	539.7	476.7	502.6	555.9	536.5	628.6	766.0	741.7	641.5	594.7	581.7
80°	379.7	347.4	399.1	431.5	416.9	534.9	690.0	635.1	528.4	476.7	467.0
82.5°	239.2	232.7	294.1	298.9	303.8	423.4	567.2	499.3	410.4	337.7	313.5
85°	119.6	132.5	176.1	176.1	174.5	218.2	323.2	281.2	221.4	176.1	171.3
87.5°	40.4	56.6	75.9	61.4	46.9	37.2	42.0	51.7	54.9	53.3	53.3
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)