

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: P635920

Luminaire Tested: GWS-SA3E-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635920
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-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21430.9 lumens
Efficiency: N/A
Efficacy: 134.6 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

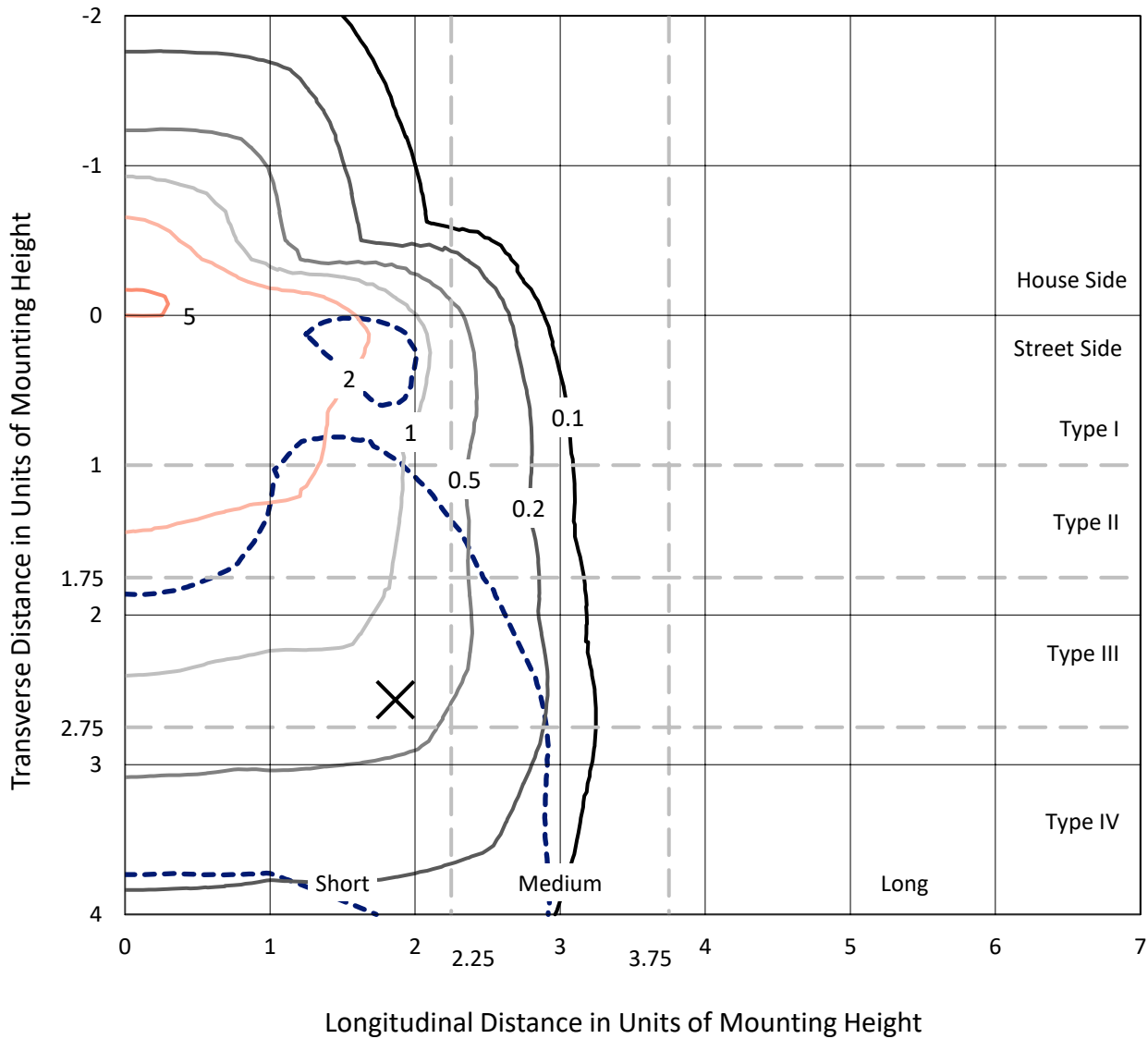
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635920
 CATALOG NUMBER: GWS-SA3E-760-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

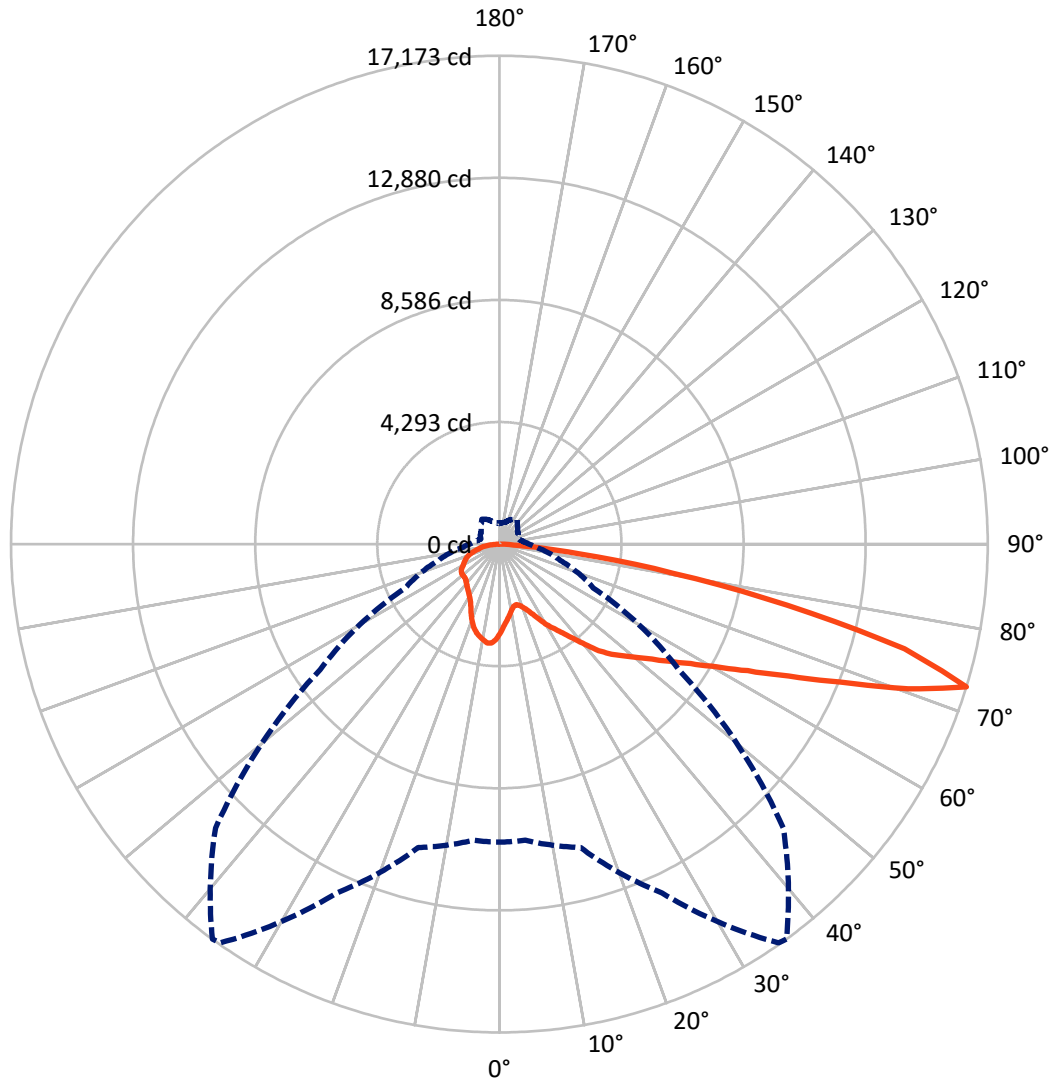
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P635920
CATALOG NUMBER: GWS-SA3E-760-U-T4FT-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635920

CATALOG NUMBER: GWS-SA3E-760-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4940.8	0.0	4940.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	16490.2	0.0	16490.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	21430.9	0.0	21430.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.2	1.4
10°-20°	827.2	3.9
20°-30°	1369.9	6.4
30°-40°	2051.5	9.6
40°-50°	2993.0	14.0
50°-60°	4260.0	19.9
60°-70°	5382.2	25.1
70°-80°	3835.3	17.9
80°-90°	418.7	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°	21430.9	100.0
0°-180°	21430.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635920

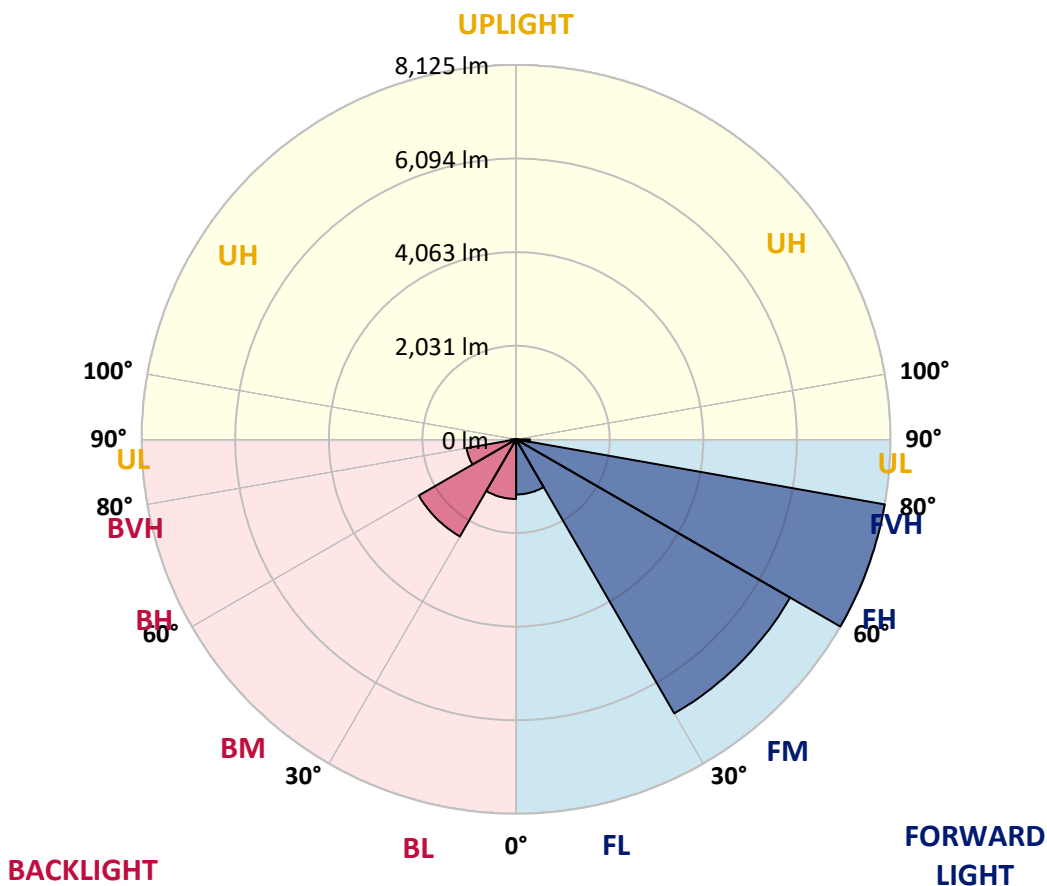
CATALOG NUMBER: GWS-SA3E-760-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1196.4	5.6			
FM (30°-60°)	6868.1	32.0			
FH (60°-80°)	8125.2	37.9			G4/12000
FVH (80°-90°)	300.5	1.4			G3/500
BL (0°-30°)	1293.8	6.0	B3/2500		
BM (30°-60°)	2436.5	11.4	B2/2500		
BH (60°-80°)	1092.3	5.1	B3/2500		G3/2500
BVH (80°-90°)	118.2	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: P635920
 CATALOG NUMBER: GWS-SA3E-760-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5
2.5°	2861.3	2856.6	2847.0	2875.7	2904.3	2901.1	2940.9	2979.0	3020.4	3063.3	3120.6
5°	2632.3	2629.1	2621.2	2664.1	2707.1	2705.5	2770.7	2832.7	2917.0	3009.3	3123.8
7.5°	2403.3	2395.3	2406.5	2460.5	2521.0	2527.3	2616.4	2718.2	2840.7	2979.0	3141.3
10°	2201.3	2199.7	2204.5	2264.9	2355.6	2361.9	2476.4	2618.0	2780.2	2964.7	3181.0
12.5°	2148.8	2145.6	2132.9	2163.1	2231.5	2241.0	2366.7	2540.1	2738.9	2972.7	3235.1
15°	2234.7	2226.7	2182.2	2167.9	2201.3	2209.2	2315.8	2493.9	2715.0	2987.0	3303.5
17.5°	2382.6	2377.8	2293.5	2234.7	2256.9	2263.3	2342.8	2486.0	2708.7	3015.6	3387.8
20°	2598.9	2578.2	2446.2	2357.2	2357.2	2366.7	2414.4	2521.0	2716.6	3050.6	3483.2
22.5°	2885.2	2843.9	2657.8	2536.9	2505.1	2517.8	2538.5	2608.5	2750.0	3109.5	3602.5
25°	3206.5	3168.3	2947.2	2777.1	2732.5	2737.3	2719.8	2732.5	2823.2	3190.6	3750.4
27.5°	3548.5	3523.0	3287.6	3071.3	3001.3	3001.3	2939.3	2909.1	2925.0	3282.8	3915.9
30°	3853.8	3818.8	3620.0	3383.0	3290.8	3290.8	3173.1	3107.9	3069.7	3395.8	4136.9
32.5°	4014.5	3993.8	3861.8	3680.5	3567.5	3550.0	3448.3	3371.9	3282.8	3562.8	4436.0
35°	4224.4	4219.7	4140.1	3998.6	3855.4	3830.0	3760.0	3699.6	3545.3	3771.1	4833.6
37.5°	4488.5	4480.5	4467.8	4383.5	4211.7	4206.9	4144.9	4071.7	3871.3	4071.7	5315.5
40°	4784.3	4770.0	4754.1	4752.5	4649.1	4631.6	4626.8	4544.1	4264.2	4434.4	5818.1
42.5°	5191.5	5142.2	4992.6	5059.4	5135.8	5119.9	5180.3	5056.3	4754.1	4865.4	6293.7
45°	5692.5	5571.6	5275.8	5294.8	5487.3	5519.1	5729.1	5698.8	5293.3	5363.2	6794.7
47.5°	5993.1	5888.1	5613.0	5597.0	5837.2	5877.0	6333.5	6390.7	5873.8	5962.9	7413.4
50°	6239.6	6166.5	5940.6	5962.9	6217.3	6257.1	6933.1	7055.6	6420.9	6576.8	8132.3
52.5°	6537.0	6432.1	6257.1	6362.1	6673.8	6721.5	7599.5	7731.5	6914.0	7251.2	8876.7
55°	6704.0	6661.1	6664.3	6824.9	7216.2	7281.4	8297.8	8275.5	7365.7	7828.5	9436.6
57.5°	7089.0	7073.0	7219.4	7279.8	7849.2	7933.5	8996.0	8805.1	7776.1	8275.5	9705.4
60°	7768.1	7728.3	7855.6	7947.8	8631.8	8751.0	9775.3	9323.6	8054.4	8607.9	9614.7
62.5°	8722.4	8673.1	8677.9	8824.2	9679.9	9805.6	10642.2	9756.3	8140.3	8658.8	9040.5
65°	9908.9	9837.4	9756.3	9955.1	11071.6	11176.6	11585.4	10071.2	7935.1	8168.9	7841.3
67.5°	11160.7	11101.8	11006.4	11423.1	12873.7	12937.3	12643.1	10044.1	7284.6	6858.3	5500.0
70°	11233.9	11248.2	11699.9	13207.7	15226.1	15242.0	13643.5	9500.2	5899.2	4445.5	2740.5
72.5°	10479.9	10456.1	11044.6	13533.7	17118.8	17172.9	14115.9	7696.5	3645.5	2217.2	1285.1
75°	8512.5	8553.8	9172.5	11841.4	14672.6	14720.3	11507.4	4537.8	1732.1	1084.7	822.3
77.5°	3664.6	3895.2	5115.1	8342.3	10508.6	10360.7	5931.1	1838.6	924.1	773.0	629.8
80°	1057.7	1148.4	1822.7	3966.8	6296.9	6185.5	2347.6	688.7	644.2	580.5	451.7
82.5°	342.0	378.5	668.0	1579.4	2821.6	2818.4	890.7	407.2	421.5	394.4	291.1
85°	95.4	109.7	205.2	478.7	873.2	855.7	257.7	192.5	224.3	227.4	144.7
87.5°	0.0	0.0	1.6	3.2	3.2	3.2	6.4	28.6	65.2	82.7	58.8
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: P635920
 CATALOG NUMBER: GWS-SA3E-760-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5	3136.5
2.5°	3155.6	3150.8	3216.0	3266.9	3314.6	3346.5	3356.0	3362.4	3375.1	3381.4	3375.1
5°	3177.9	3201.7	3309.9	3389.4	3453.0	3491.2	3492.8	3489.6	3499.1	3491.2	3486.4
7.5°	3225.6	3271.7	3408.5	3492.8	3534.1	3535.7	3497.6	3453.0	3430.8	3411.7	3405.3
10°	3289.2	3357.6	3507.1	3562.8	3550.0	3491.2	3406.9	3336.9	3297.2	3268.5	3262.2
12.5°	3376.7	3453.0	3594.6	3593.0	3513.5	3408.5	3309.9	3225.6	3168.3	3134.9	3123.8
15°	3459.4	3556.4	3658.2	3583.4	3457.8	3330.6	3203.3	3090.4	3014.0	2961.6	2952.0
17.5°	3561.2	3664.6	3704.3	3553.2	3387.8	3224.0	3053.8	2905.9	2802.5	2740.5	2735.7
20°	3678.9	3771.1	3726.6	3500.7	3297.2	3082.4	2851.8	2686.4	2575.1	2514.6	2519.4
22.5°	3815.7	3882.5	3733.0	3429.2	3171.5	2882.0	2624.4	2465.3	2390.6	2358.7	2360.3
25°	3962.0	4004.9	3721.8	3332.1	2979.0	2637.1	2390.6	2317.4	2311.0	2303.1	2306.3
27.5°	4135.4	4125.8	3688.4	3195.4	2719.8	2352.4	2226.7	2245.8	2271.3	2268.1	2271.3
30°	4367.6	4276.9	3645.5	3006.1	2411.2	2113.8	2129.7	2183.8	2217.2	2220.4	2229.9
32.5°	4633.2	4443.9	3577.1	2748.4	2117.0	1980.2	2039.0	2104.3	2144.0	2152.0	2164.7
35°	4949.7	4634.8	3456.2	2427.1	1905.4	1900.7	1954.8	1999.3	2042.2	2045.4	2045.4
37.5°	5313.9	4825.6	3263.7	2072.4	1775.0	1832.3	1883.2	1892.7	1903.9	1894.3	1899.1
40°	5647.9	5010.1	2990.2	1749.6	1668.5	1771.8	1814.8	1783.0	1748.0	1724.1	1728.9
42.5°	5927.9	5135.8	2627.5	1523.7	1560.3	1717.8	1751.2	1686.0	1617.6	1573.0	1579.4
45°	6242.8	5251.9	2201.3	1371.0	1468.1	1679.6	1701.9	1617.6	1530.1	1463.3	1453.7
47.5°	6677.0	5488.9	1822.7	1264.5	1402.8	1658.9	1695.5	1581.0	1466.5	1366.3	1355.1
50°	7213.0	5824.5	1506.2	1194.5	1372.6	1647.8	1693.9	1541.2	1404.4	1286.7	1278.8
52.5°	7798.3	6152.1	1272.4	1140.4	1342.4	1614.4	1686.0	1496.7	1339.2	1212.0	1202.4
55°	8188.0	6281.0	1115.0	1089.5	1293.1	1561.9	1654.1	1453.7	1240.6	1124.5	1110.2
57.5°	8302.5	6115.6	1005.2	1043.4	1229.5	1488.7	1593.7	1363.1	1180.2	1087.9	1076.8
60°	8105.3	5698.8	936.8	1005.2	1159.5	1394.9	1488.7	1310.6	1132.5	1049.7	1041.8
62.5°	7548.6	5056.3	884.3	965.4	1087.9	1296.3	1421.9	1247.0	1080.0	1014.8	1003.6
65°	6428.9	4146.5	841.4	924.1	1019.5	1202.4	1348.8	1183.3	1022.7	973.4	960.7
67.5°	4496.4	2912.2	795.3	874.8	951.1	1111.8	1272.4	1124.5	963.9	927.3	914.5
70°	2198.1	1544.4	739.6	817.5	878.0	1019.5	1196.1	1052.9	885.9	865.2	847.7
72.5°	1046.6	863.7	674.4	739.6	777.8	897.1	1068.8	949.5	793.7	749.1	718.9
75°	701.4	613.9	588.5	647.3	656.9	752.3	916.1	819.1	699.8	648.9	623.5
77.5°	531.2	469.2	494.7	547.1	528.1	618.7	753.9	730.0	631.4	585.3	572.6
80°	373.8	342.0	392.9	424.7	410.4	526.5	679.2	625.1	520.1	469.2	459.7
82.5°	235.4	229.0	289.5	294.2	299.0	416.7	558.3	491.5	404.0	332.4	308.6
85°	117.7	130.4	173.4	173.4	171.8	214.7	318.1	276.8	217.9	173.4	168.6
87.5°	39.8	55.7	74.8	60.4	46.1	36.6	41.4	50.9	54.1	52.5	52.5
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)