

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: P639827

Luminaire Tested: GWS-SA5C-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24149.5 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

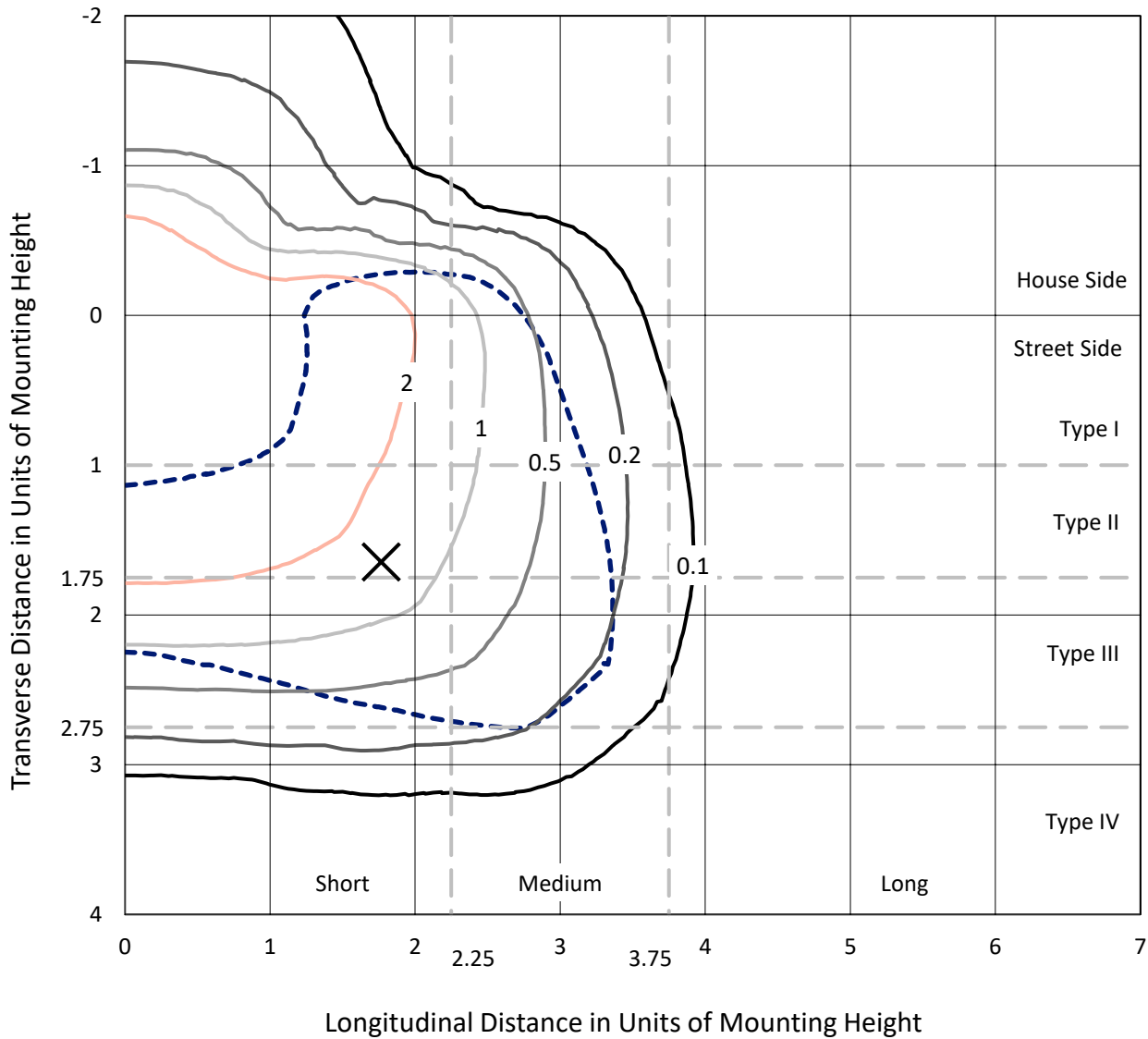
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639827
 CATALOG NUMBER: GWS-SA5C-750-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

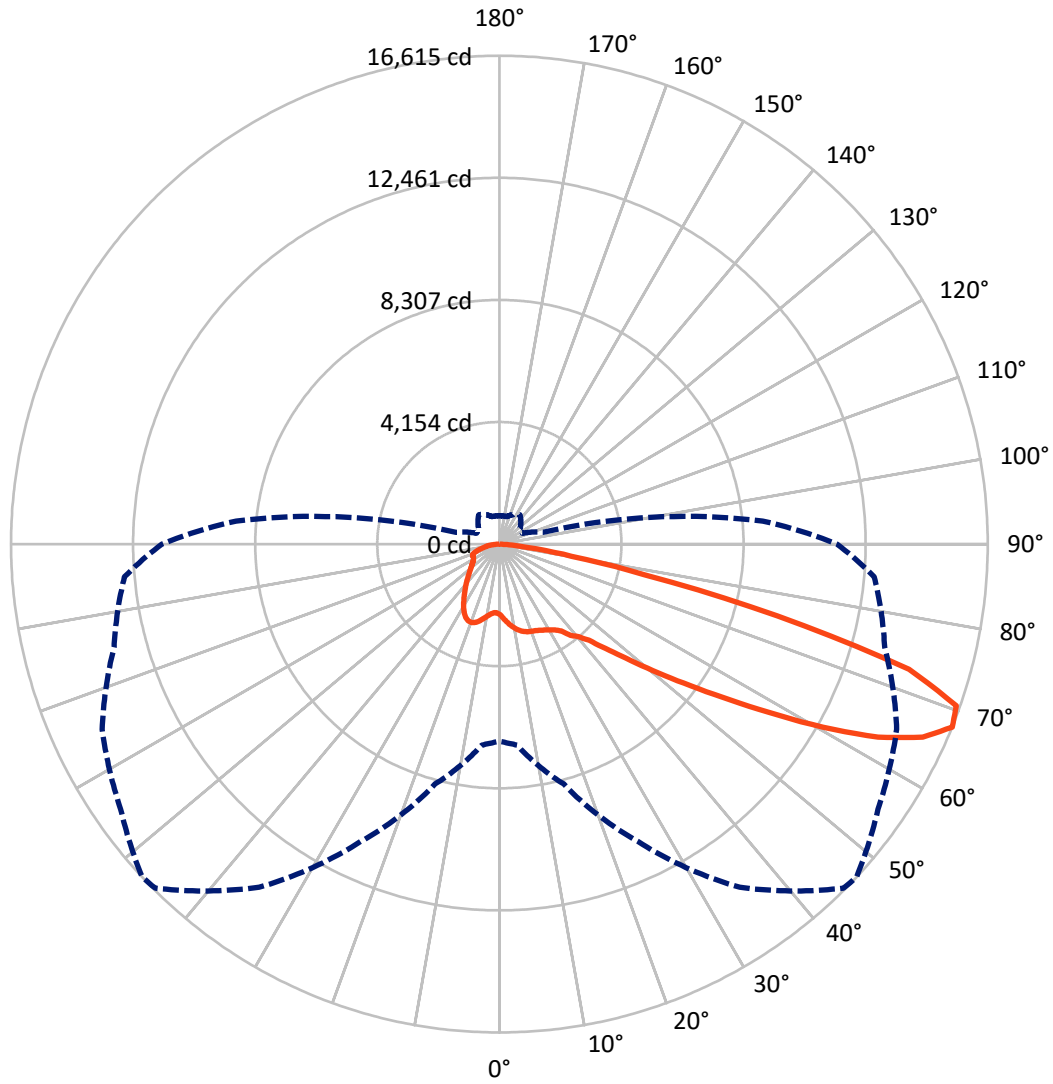
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

REPORT NUMBER: P639827
CATALOG NUMBER: GWS-SA5C-750-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639827

CATALOG NUMBER: GWS-SA5C-750-U-T4W-W

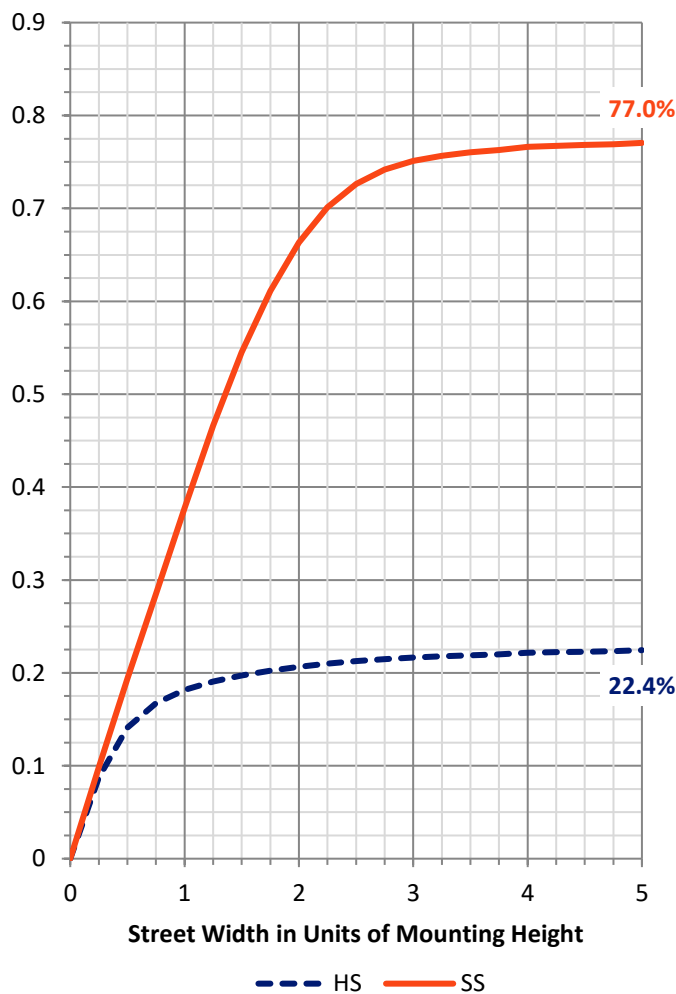
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5503.8	0.0	5503.8
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	18645.6	0.0	18645.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	24149.5	0.0	24149.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	1.0
10°-20°	815.1	3.4
20°-30°	1385.5	5.7
30°-40°	2029.6	8.4
40°-50°	3092.4	12.8
50°-60°	5533.0	22.9
60°-70°	7383.2	30.6
70°-80°	3338.8	13.8
80°-90°	327.1	1.4
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°	24149.5	100.0
0°-180°	24149.5	100.0

Coefficient of Utilization



REPORT NUMBER: P639827

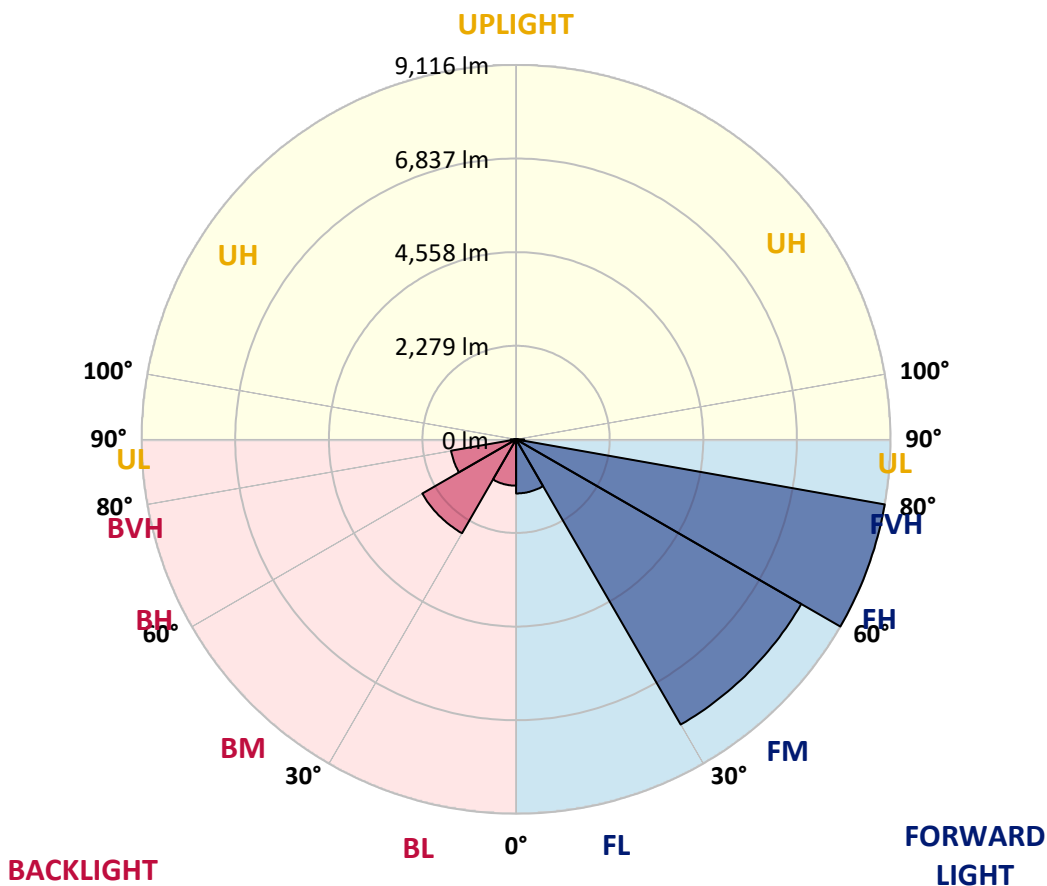
CATALOG NUMBER: GWS-SA5C-750-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1317.0	5.5			
FM (30°-60°)	8017.9	33.2			
FH (60°-80°)	9116.2	37.7			G4/12000
FVH (80°-90°)	194.6	0.8			G2/225
BL (0°-30°)	1128.3	4.7	B3/2500		
BM (30°-60°)	2637.2	10.9	B3/5000		
BH (60°-80°)	1605.8	6.6	B3/2500		G3/2500
BVH (80°-90°)	132.5	0.5			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 III Short





REPORT NUMBER: P639827

CATALOG NUMBER: GWS-SA5C-750-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0
2.5°	2552.9	2561.6	2559.9	2545.9	2537.2	2521.4	2523.2	2498.7	2462.1	2437.6	2409.7
5°	2778.1	2792.1	2774.6	2751.9	2717.0	2666.4	2661.1	2605.3	2535.4	2486.5	2435.9
7.5°	2973.7	2982.4	2961.5	2923.1	2872.4	2804.3	2792.1	2725.7	2638.4	2561.6	2488.3
10°	3125.6	3136.1	3108.2	3057.5	2991.2	2923.1	2914.3	2846.2	2753.7	2662.9	2570.3
12.5°	3254.8	3258.3	3228.6	3160.5	3088.9	3019.1	3010.4	2947.5	2861.9	2769.4	2668.1
15°	3329.9	3331.7	3295.0	3219.9	3151.8	3090.7	3085.5	3031.3	2952.7	2865.4	2757.2
17.5°	3324.7	3328.2	3302.0	3235.6	3176.3	3139.6	3134.3	3099.4	3038.3	2959.7	2851.5
20°	3260.1	3263.6	3246.1	3202.4	3171.0	3160.5	3162.3	3151.8	3115.1	3050.5	2940.5
22.5°	3209.4	3214.7	3199.0	3167.5	3164.0	3188.5	3193.7	3199.0	3181.5	3123.9	3017.4
25°	3233.9	3242.6	3218.2	3174.5	3181.5	3235.6	3246.1	3263.6	3249.6	3200.7	3108.2
27.5°	3403.3	3408.5	3345.6	3256.6	3235.6	3293.2	3309.0	3336.9	3326.4	3281.0	3209.4
30°	3796.1	3792.7	3658.2	3439.9	3352.6	3375.3	3387.5	3427.7	3431.2	3401.5	3333.4
32.5°	4349.7	4332.2	4124.4	3776.9	3523.7	3467.9	3481.8	3536.0	3576.1	3544.7	3452.2
35°	4934.6	4918.9	4690.2	4283.3	3839.8	3646.0	3630.3	3672.2	3733.3	3646.0	3513.3
37.5°	5491.7	5467.2	5233.2	4730.3	4229.2	3958.5	3935.8	3893.9	3857.3	3689.6	3588.4
40°	6109.8	6081.9	5877.6	5308.3	4658.7	4197.8	4140.1	3974.3	3941.1	3834.6	3783.9
42.5°	6769.8	6769.8	6600.5	6040.0	5177.4	4540.0	4464.9	4215.2	4250.1	4180.3	4120.9
45°	7429.9	7449.1	7314.6	6776.8	5870.6	5186.1	5065.6	4711.1	4794.9	4763.5	4733.8
47.5°	7992.2	8028.8	8002.6	7529.4	6719.2	5971.9	5788.5	5420.1	5599.9	5675.0	5758.8
50°	8598.1	8638.2	8612.0	8425.2	7712.8	6923.5	6759.4	6378.7	6687.8	6913.0	7187.2
52.5°	9497.3	9555.0	9336.7	9265.1	8919.4	8004.4	7857.7	7424.7	7985.2	8358.8	8970.0
55°	10256.9	10255.2	10178.3	10342.5	10215.0	9326.2	9163.8	8770.9	9486.9	9883.2	10777.3
57.5°	10609.6	10651.6	10915.2	11379.7	11634.6	10941.4	10786.0	10384.4	11098.6	11304.6	12270.2
60°	10791.2	10843.6	11353.5	12272.0	12958.2	12705.0	12643.9	12132.3	12533.9	12509.5	13529.2
62.5°	10536.3	10641.1	11460.0	12680.6	13902.9	14477.4	14458.2	13684.6	13754.5	13515.2	14309.7
65°	9366.4	9479.9	10765.1	12476.3	14442.5	15825.4	15830.6	15090.3	14692.2	14004.2	14178.8
67.5°	6698.3	6860.6	8449.6	11163.2	14252.1	16553.6	16614.7	15727.6	14912.2	13571.1	12802.8
70°	3651.2	3770.0	5015.0	8114.4	12537.4	16378.9	16492.4	15420.3	13941.3	11739.4	9855.3
72.5°	1658.8	1697.3	2332.9	4452.7	8564.9	14098.5	14573.4	13761.5	11449.5	8671.4	6267.0
75°	759.6	777.0	1016.3	2130.3	4475.4	9434.5	9768.0	10249.9	7967.7	5475.9	3267.1
77.5°	476.7	481.9	578.0	974.4	2231.6	4709.4	5060.4	6102.8	4665.7	2710.0	1365.5
80°	281.1	286.4	359.7	527.3	1047.7	2154.8	2488.3	2413.2	2193.2	1169.9	621.6
82.5°	141.4	146.7	207.8	300.3	571.0	857.4	1009.3	1014.5	817.2	633.9	351.0
85°	50.6	52.4	68.1	118.7	242.7	282.9	316.1	385.9	399.9	368.4	169.4
87.5°	0.0	0.0	1.7	3.5	7.0	27.9	29.7	55.9	117.0	131.0	68.1
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: P639827

CATALOG NUMBER: GWS-SA5C-750-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0	2394.0
2.5°	2401.0	2374.8	2366.0	2357.3	2343.3	2338.1	2327.6	2317.1	2317.1	2306.7	2301.4
5°	2413.2	2378.3	2355.6	2345.1	2336.4	2341.6	2341.6	2345.1	2357.3	2350.3	2353.8
7.5°	2456.8	2416.7	2385.2	2376.5	2376.5	2397.5	2411.4	2428.9	2451.6	2455.1	2455.1
10°	2533.7	2486.5	2453.3	2448.1	2456.8	2486.5	2507.5	2528.4	2556.4	2558.1	2561.6
12.5°	2617.5	2570.3	2537.2	2544.1	2552.9	2591.3	2614.0	2631.5	2659.4	2659.4	2657.6
15°	2704.8	2652.4	2624.5	2638.4	2664.6	2708.3	2711.8	2713.5	2727.5	2724.0	2722.3
17.5°	2795.6	2739.7	2718.8	2739.7	2767.7	2788.6	2771.1	2746.7	2741.5	2734.5	2731.0
20°	2884.6	2827.0	2818.3	2834.0	2842.7	2825.3	2771.1	2725.7	2704.8	2694.3	2690.8
22.5°	2961.5	2912.6	2907.3	2907.3	2863.7	2802.6	2722.3	2661.1	2633.2	2619.2	2615.7
25°	3052.3	3006.9	2998.1	2951.0	2839.2	2727.5	2619.2	2563.4	2540.7	2533.7	2535.4
27.5°	3158.8	3127.4	3099.4	2965.0	2769.4	2594.8	2472.6	2448.1	2439.4	2448.1	2453.3
30°	3289.8	3258.3	3195.5	2947.5	2657.6	2421.9	2304.9	2303.2	2329.4	2352.1	2355.6
32.5°	3396.3	3382.3	3279.3	2891.6	2500.5	2231.6	2132.1	2139.0	2186.2	2217.6	2222.9
35°	3480.1	3502.8	3349.1	2799.1	2313.7	2051.7	1973.2	1976.6	2002.8	2046.5	2048.2
37.5°	3598.8	3675.7	3412.0	2657.6	2098.9	1896.3	1824.7	1798.5	1795.0	1807.3	1810.8
40°	3838.1	3953.3	3457.4	2451.6	1891.1	1756.6	1676.3	1625.7	1582.0	1548.8	1538.4
42.5°	4199.5	4332.2	3483.6	2201.9	1706.0	1618.7	1527.9	1463.3	1386.4	1316.6	1292.2
45°	4863.0	4906.7	3483.6	1936.5	1541.9	1489.5	1398.7	1321.8	1224.1	1142.0	1124.5
47.5°	5924.7	5785.0	3487.1	1679.8	1396.9	1376.0	1297.4	1210.1	1101.8	1033.7	1023.2
50°	7524.2	7033.5	3558.7	1466.8	1276.4	1279.9	1222.3	1126.3	1028.5	977.8	969.1
52.5°	9336.7	8571.9	3750.7	1309.6	1175.2	1201.4	1169.9	1077.4	990.1	946.4	937.7
55°	11040.9	9986.3	3914.9	1197.9	1089.6	1135.0	1133.3	1047.7	969.1	925.5	920.2
57.5°	12490.3	10955.4	3890.4	1107.1	1016.3	1073.9	1100.1	1028.5	955.1	918.5	913.2
60°	13391.3	11468.8	3543.0	1023.2	960.4	1030.2	1080.9	1023.2	962.1	953.4	955.1
62.5°	13782.4	11374.5	2875.9	960.4	923.7	1009.3	1101.8	1059.9	1026.7	1047.7	1059.9
65°	13174.7	10564.2	2116.3	913.2	888.8	1014.5	1150.7	1117.5	1026.7	1040.7	1045.9
67.5°	11488.0	8992.7	1529.6	866.1	845.1	1030.2	1220.6	1108.8	967.4	967.4	956.9
70°	8278.5	6467.8	1110.6	818.9	801.5	1007.5	1224.1	1049.4	899.3	894.0	867.8
72.5°	4981.8	3815.4	866.1	766.6	735.1	894.0	1147.2	979.6	832.9	789.3	757.8
75°	2587.8	1912.0	726.4	708.9	630.4	757.8	1049.4	871.3	712.4	674.0	656.6
77.5°	1108.8	894.0	623.4	632.1	523.8	637.3	846.9	754.3	632.1	583.2	567.5
80°	546.5	508.1	492.4	506.4	419.1	492.4	729.9	660.0	536.1	480.2	457.5
82.5°	312.6	296.8	354.5	359.7	298.6	412.1	616.4	558.8	443.5	382.4	345.7
85°	144.9	155.4	214.8	216.5	185.1	282.9	403.4	314.3	235.7	195.6	186.8
87.5°	57.6	68.1	94.3	92.5	54.1	52.4	34.9	19.2	15.7	14.0	12.2
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)