

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: P633575

Luminaire Tested: GWS-SA2F-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10177.6 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

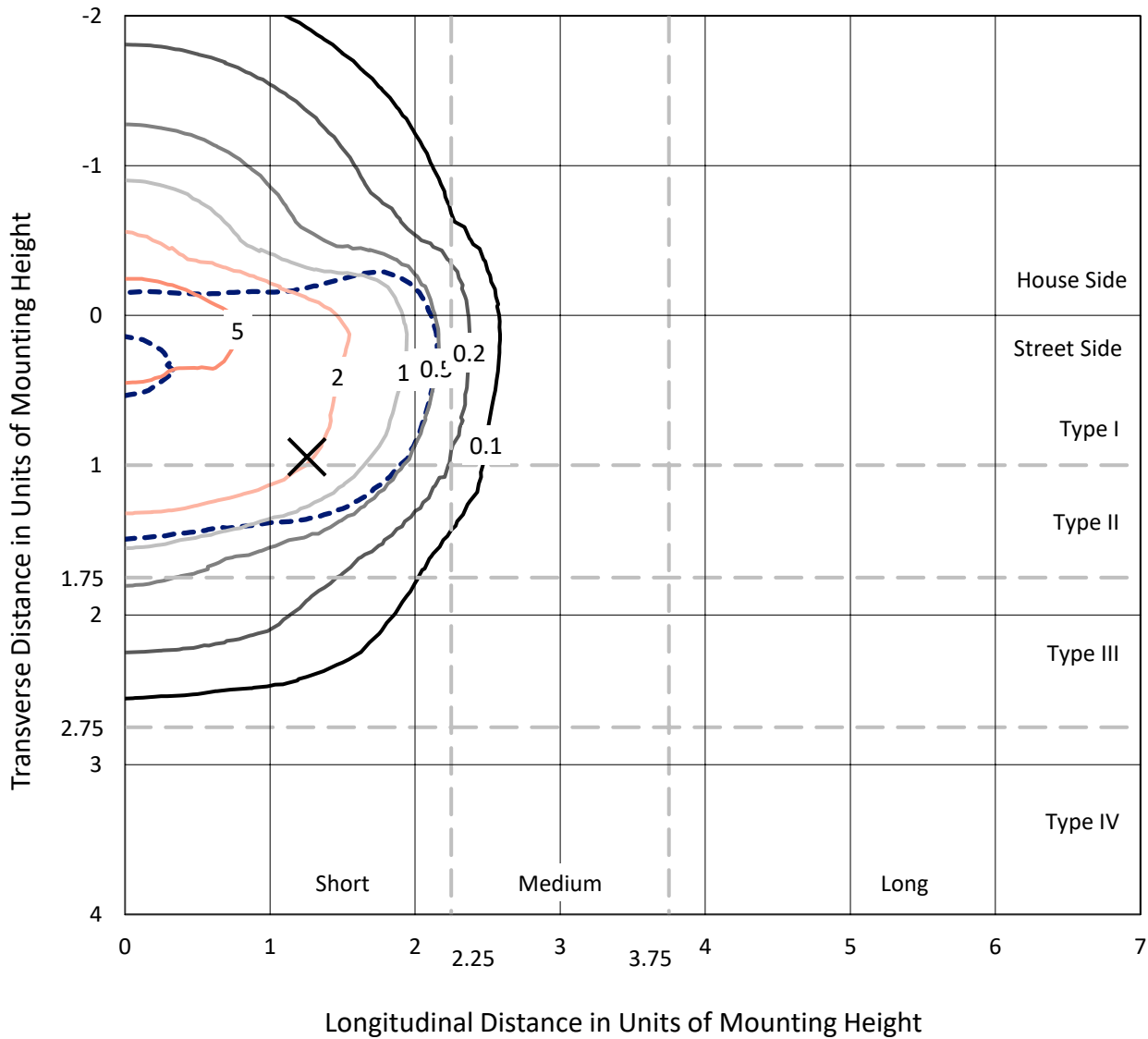
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

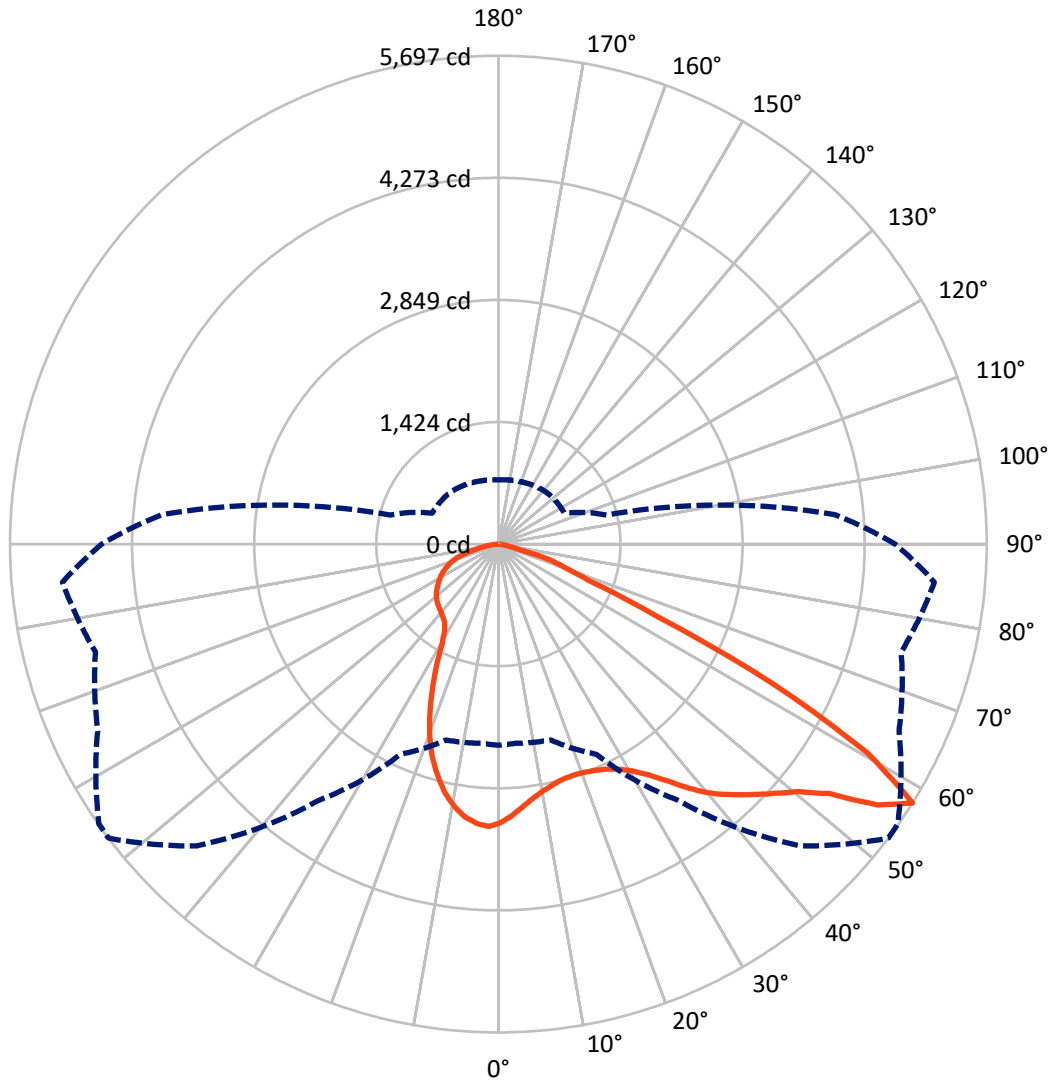
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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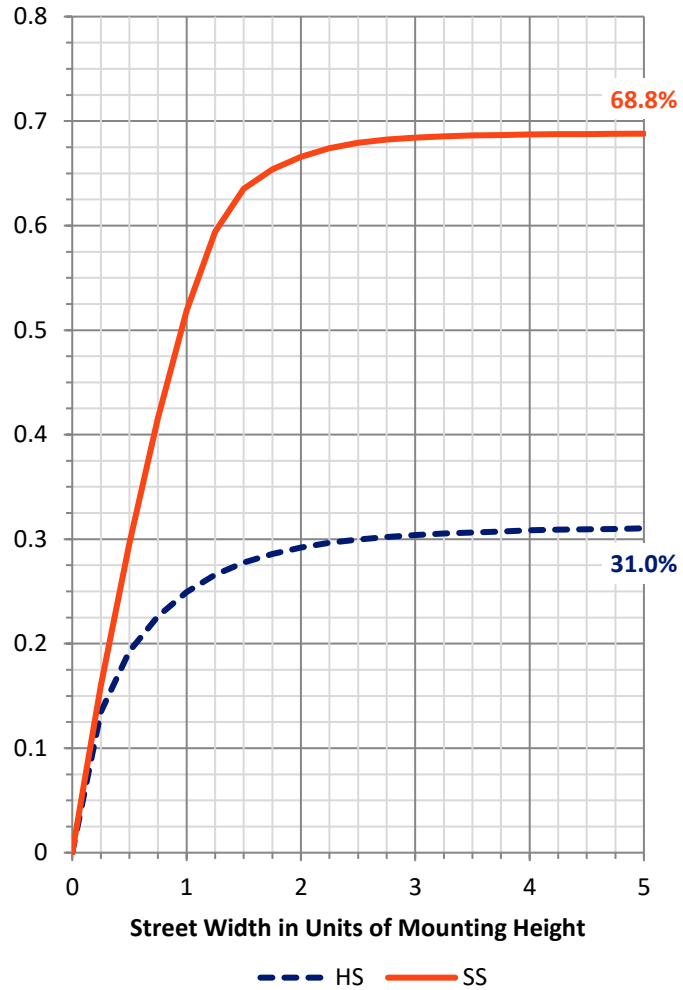
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3182.2	0.0	3182.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6995.4	0.0	6995.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	10177.6	0.0	10177.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.9	2.9
10°-20°	771.0	7.6
20°-30°	1136.0	11.2
30°-40°	1590.1	15.6
40°-50°	2090.4	20.5
50°-60°	2450.9	24.1
60°-70°	1443.9	14.2
70°-80°	359.2	3.5
80°-90°	42.1	0.4
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°	10177.6	100.0
0°-180°	10177.6	100.0

Coefficient of Utilization



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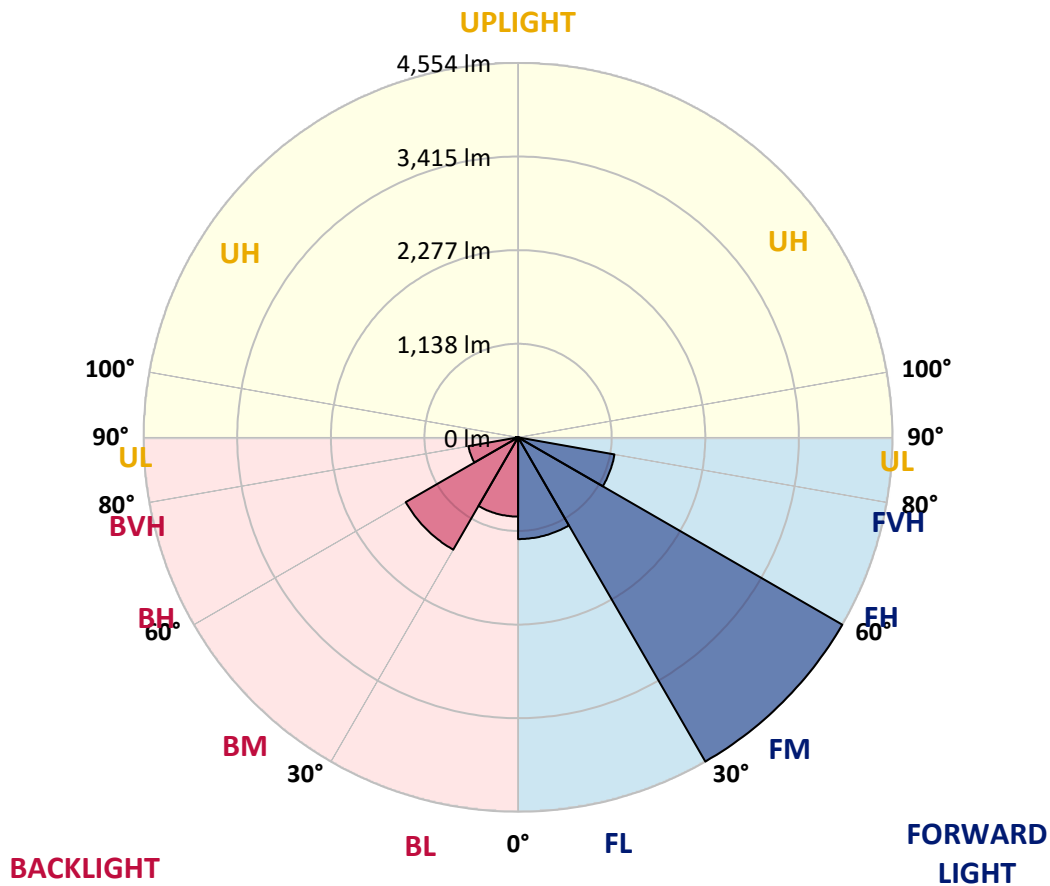
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1237.4	12.2			
FM (30°-60°)	4553.5	44.7			
FH (60°-80°)	1190.4	11.7			G1/1800
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	963.6	9.5	B2/1000		
BM (30°-60°)	1577.9	15.5	B2/2500		
BH (60°-80°)	612.7	6.0	B2/1000		G2/1000
BVH (80°-90°)	28.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0
2.5°	3063.2	3071.8	3073.5	3100.1	3101.8	3140.3	3166.0	3160.9	3187.5	3220.0	3245.7
5°	2916.8	2917.6	2926.2	2957.9	2975.0	3025.6	3068.4	3068.4	3119.8	3186.6	3244.0
7.5°	2796.0	2795.1	2802.8	2838.0	2866.2	2927.0	2985.3	2992.1	3064.1	3161.8	3255.1
10°	2683.8	2689.8	2698.3	2741.2	2777.1	2852.5	2921.9	2933.0	3023.8	3144.6	3270.5
12.5°	2611.8	2612.7	2625.5	2673.5	2719.7	2800.3	2873.1	2886.8	2991.3	3128.3	3281.7
15°	2565.6	2566.4	2580.1	2633.2	2687.2	2768.6	2843.1	2858.5	2972.4	3125.8	3303.1
17.5°	2545.0	2544.1	2557.0	2610.1	2669.2	2754.0	2833.7	2852.5	2981.0	3145.5	3340.8
20°	2545.0	2545.8	2552.7	2600.7	2660.6	2750.6	2843.1	2866.2	3014.4	3190.0	3399.0
22.5°	2581.0	2584.4	2587.8	2620.4	2667.5	2755.7	2867.9	2898.8	3086.4	3264.5	3475.3
25°	2651.2	2652.1	2655.5	2682.0	2703.5	2770.3	2909.1	2955.3	3198.6	3373.3	3571.2
27.5°	2745.4	2757.4	2760.9	2778.0	2778.0	2806.3	2973.3	3040.1	3350.2	3530.1	3693.7
30°	2877.4	2881.6	2887.6	2906.5	2885.9	2873.9	3067.5	3153.2	3525.8	3719.4	3841.0
32.5°	2993.0	3002.4	3035.0	3065.8	3029.0	2991.3	3206.3	3307.4	3694.6	3916.4	3997.8
35°	3091.5	3114.6	3177.2	3245.7	3220.0	3182.3	3390.5	3495.8	3833.3	4057.8	4136.6
37.5°	3210.6	3228.6	3314.2	3425.6	3448.7	3430.7	3614.9	3690.3	3925.8	4093.7	4212.0
40°	3331.4	3358.8	3469.3	3623.5	3711.7	3724.5	3822.2	3872.7	3957.5	4023.5	4197.4
42.5°	3454.7	3501.8	3653.4	3833.3	3990.1	4019.2	3996.9	4018.4	3947.3	3926.7	4129.7
45°	3605.5	3661.2	3832.5	4062.1	4268.5	4313.9	4168.3	4148.6	3945.6	3889.9	4087.7
47.5°	3783.7	3839.3	4002.9	4270.2	4534.0	4567.5	4343.9	4307.9	4005.5	3946.4	4144.3
50°	3941.3	3979.8	4126.3	4425.3	4781.6	4801.3	4537.5	4493.8	4154.6	4103.2	4320.7
52.5°	3781.1	3776.8	3931.0	4299.3	4910.1	5147.4	4835.6	4793.6	4442.4	4363.6	4594.0
55°	3208.0	3159.2	3297.1	3659.4	4551.2	5454.9	5370.1	5286.1	4826.1	4625.7	4850.1
57.5°	2345.4	2331.7	2365.1	2705.2	3645.7	4978.6	5697.3	5689.6	5157.7	4865.6	5105.4
60°	1834.0	1813.4	1724.4	1733.8	2485.0	3889.0	4944.4	5171.4	5363.2	5009.5	5283.6
62.5°	1628.4	1613.0	1566.7	1439.1	1480.2	2607.5	3624.3	3832.5	4686.5	4424.4	4538.3
65°	1348.3	1344.0	1382.6	1377.4	1240.4	1440.0	2045.6	2255.5	2946.7	2983.6	2946.7
67.5°	980.0	972.3	1069.9	1262.6	1194.1	1087.0	1140.1	1213.0	1511.1	1356.9	1221.5
70°	637.3	626.2	682.7	912.3	1069.1	947.4	821.5	809.5	830.9	516.5	558.5
72.5°	427.4	414.6	413.7	502.0	645.9	638.2	636.5	630.5	562.8	407.7	452.3
75°	238.1	227.9	225.3	216.7	231.3	235.6	251.0	259.6	281.0	309.2	342.6
77.5°	40.3	39.4	49.7	63.4	87.4	112.2	138.8	146.5	180.7	214.2	235.6
80°	22.3	23.1	30.0	36.8	48.8	66.8	85.7	90.8	111.4	129.3	146.5
82.5°	12.0	12.0	15.4	19.7	26.6	35.1	46.3	50.5	64.2	75.4	87.4
85°	4.3	4.3	6.0	7.7	11.1	14.6	18.0	20.6	28.3	38.5	43.7
87.5°	0.0	0.0	0.0	0.0	0.9	1.7	3.4	3.4	4.3	7.7	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0	3250.0
2.5°	3267.1	3244.0	3275.7	3290.2	3295.4	3298.8	3276.5	3261.1	3256.0	3239.7	3230.3
5°	3279.1	3263.7	3293.7	3293.7	3272.3	3250.0	3204.6	3172.9	3150.6	3124.1	3119.8
7.5°	3299.7	3288.5	3304.8	3271.4	3217.4	3157.5	3078.7	3017.0	2967.3	2934.7	2935.6
10°	3327.1	3313.4	3300.5	3226.0	3127.5	3017.0	2896.2	2806.3	2724.0	2686.3	2665.8
12.5°	3345.1	3325.4	3271.4	3148.0	3003.3	2855.1	2684.6	2551.0	2431.9	2378.0	2373.7
15°	3367.3	3331.4	3223.4	3047.0	2845.7	2643.5	2424.2	2238.3	2077.3	1993.3	1989.1
17.5°	3396.5	3337.4	3166.0	2931.3	2679.5	2381.4	2105.6	1871.7	1700.4	1635.3	1646.4
20°	3437.6	3344.2	3100.9	2802.8	2473.0	2083.3	1739.8	1524.8	1458.8	1454.5	1446.0
22.5°	3483.8	3348.5	3029.0	2658.9	2222.9	1765.5	1437.4	1345.7	1344.9	1366.3	1371.4
25°	3536.1	3351.9	2947.6	2491.0	1952.2	1448.5	1271.2	1243.8	1265.2	1305.5	1310.6
27.5°	3602.9	3358.8	2849.1	2306.9	1664.4	1251.5	1179.6	1172.7	1198.4	1236.1	1234.4
30°	3701.4	3383.6	2744.6	2095.3	1368.9	1158.1	1123.9	1124.7	1135.0	1153.0	1155.6
32.5°	3801.6	3422.2	2642.6	1857.1	1199.3	1105.0	1089.6	1087.9	1087.9	1095.6	1097.3
35°	3896.7	3465.8	2532.1	1608.7	1117.0	1074.2	1063.9	1058.8	1056.2	1054.5	1051.9
37.5°	3949.8	3487.3	2424.2	1363.7	1073.3	1053.6	1043.4	1036.5	1027.1	1020.2	1018.5
40°	3926.7	3462.4	2299.1	1180.4	1046.8	1033.9	1021.9	1012.5	999.7	993.7	990.2
42.5°	3849.6	3385.3	2162.9	1093.9	1025.4	1012.5	998.0	982.5	974.0	968.8	968.0
45°	3768.2	3292.0	1998.5	1043.4	1004.8	989.4	972.3	955.1	945.7	943.1	942.3
47.5°	3765.7	3245.7	1823.7	1003.1	980.0	964.5	943.1	926.0	915.7	912.3	908.9
50°	3878.7	3292.8	1626.7	968.0	954.3	938.0	914.0	895.2	882.3	878.0	877.2
52.5°	4113.4	3470.1	1450.2	932.8	920.0	901.2	881.5	862.6	847.2	839.5	838.6
55°	4367.0	3695.4	1340.6	896.9	879.7	863.5	845.5	824.9	807.8	795.8	794.1
57.5°	4629.1	3941.3	1307.2	851.5	838.6	827.5	806.1	783.8	764.1	753.0	750.4
60°	4845.0	4152.9	1369.7	803.5	796.6	782.1	762.4	741.0	727.3	718.7	717.0
62.5°	4056.1	3381.0	1105.9	751.2	751.2	735.8	713.6	698.1	688.7	682.7	681.0
65°	2574.1	2093.6	754.7	699.0	698.1	677.6	658.7	648.5	644.2	634.7	633.0
67.5°	1121.3	956.8	645.0	645.9	642.5	620.2	601.3	593.6	585.1	574.8	573.9
70°	581.6	592.8	577.4	586.8	580.8	554.2	536.2	524.2	506.3	496.0	496.8
72.5°	469.4	481.4	498.5	513.1	500.3	478.8	450.6	436.0	412.9	401.8	402.6
75°	358.1	370.9	387.2	402.6	392.3	365.8	347.8	333.2	306.7	293.8	296.4
77.5°	246.7	253.6	273.3	272.4	269.0	261.3	234.7	217.6	190.2	174.7	176.5
80°	153.3	157.6	167.0	171.3	169.6	159.3	137.9	125.1	108.8	99.4	100.2
82.5°	92.5	95.1	103.6	104.5	103.6	95.9	79.7	70.2	60.0	54.8	54.8
85°	47.1	48.8	54.0	54.0	48.8	41.1	36.8	32.6	26.6	24.0	24.0
87.5°	12.8	12.8	16.3	13.7	11.1	10.3	5.1	4.3	1.7	0.9	0.9
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)