

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: P636067

Luminaire Tested: GWS-SA3F-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17977.3 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

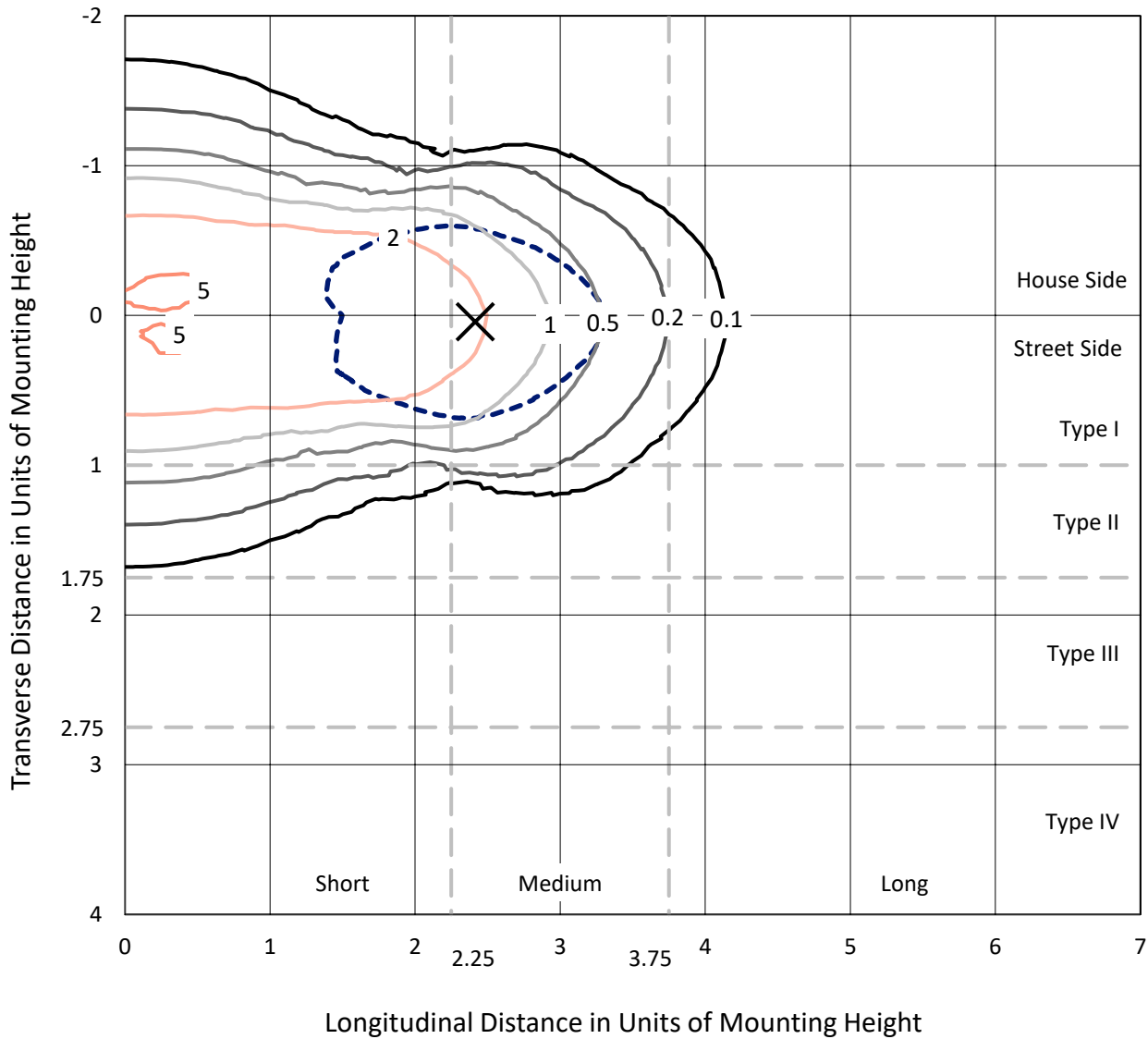
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

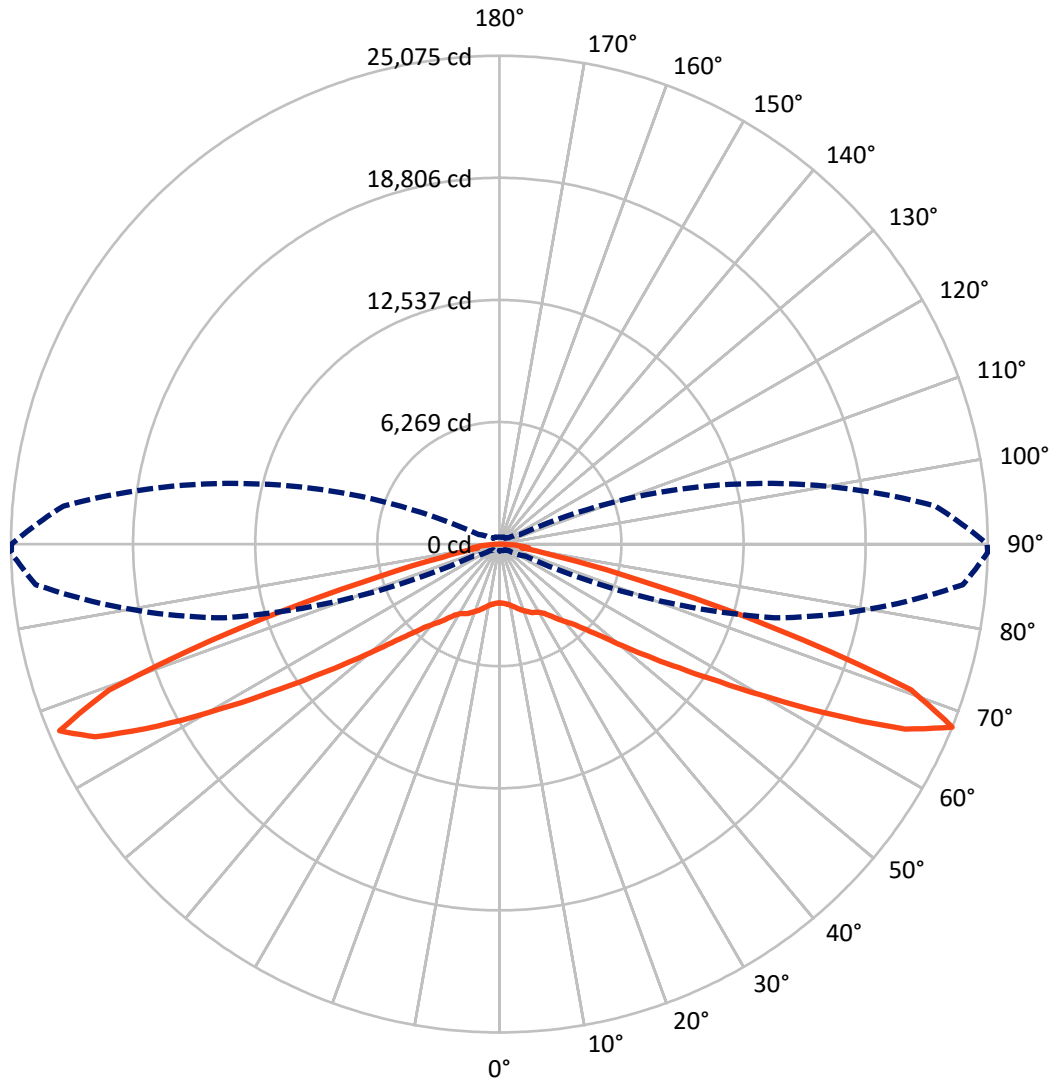
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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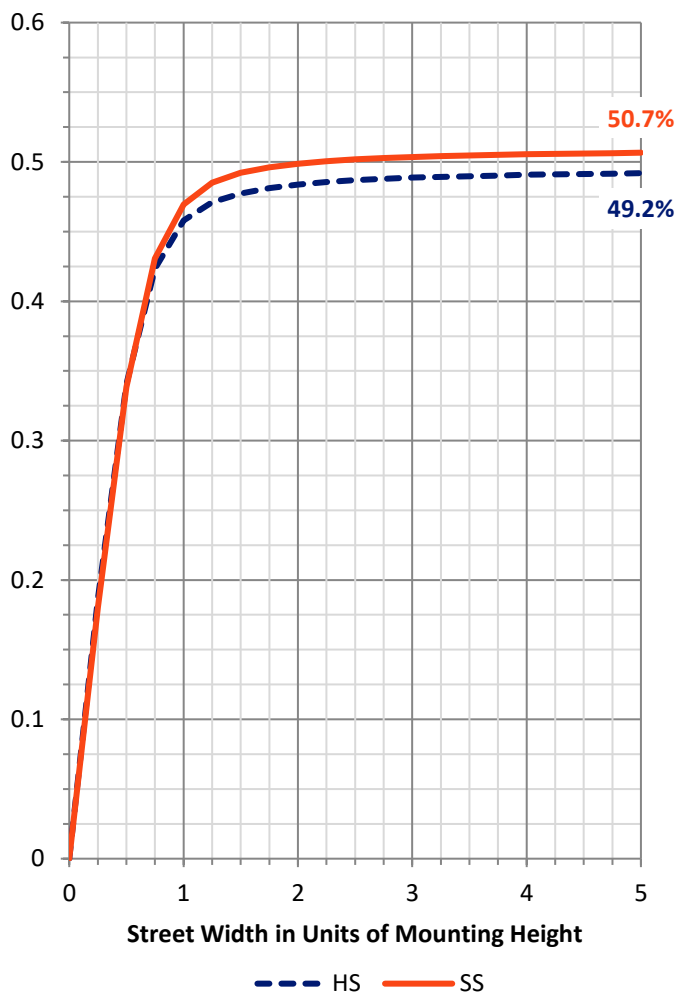
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8909.9	0.0	8909.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	9067.4	0.0	9067.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	17977.3	0.0	17977.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.7	1.7
10°-20°	985.5	5.5
20°-30°	1666.0	9.3
30°-40°	2286.3	12.7
40°-50°	2915.6	16.2
50°-60°	3658.0	20.3
60°-70°	4411.9	24.5
70°-80°	1596.1	8.9
80°-90°	155.2	0.9
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°	17977.3	100.0
0°-180°	17977.3	100.0

Coefficient of Utilization



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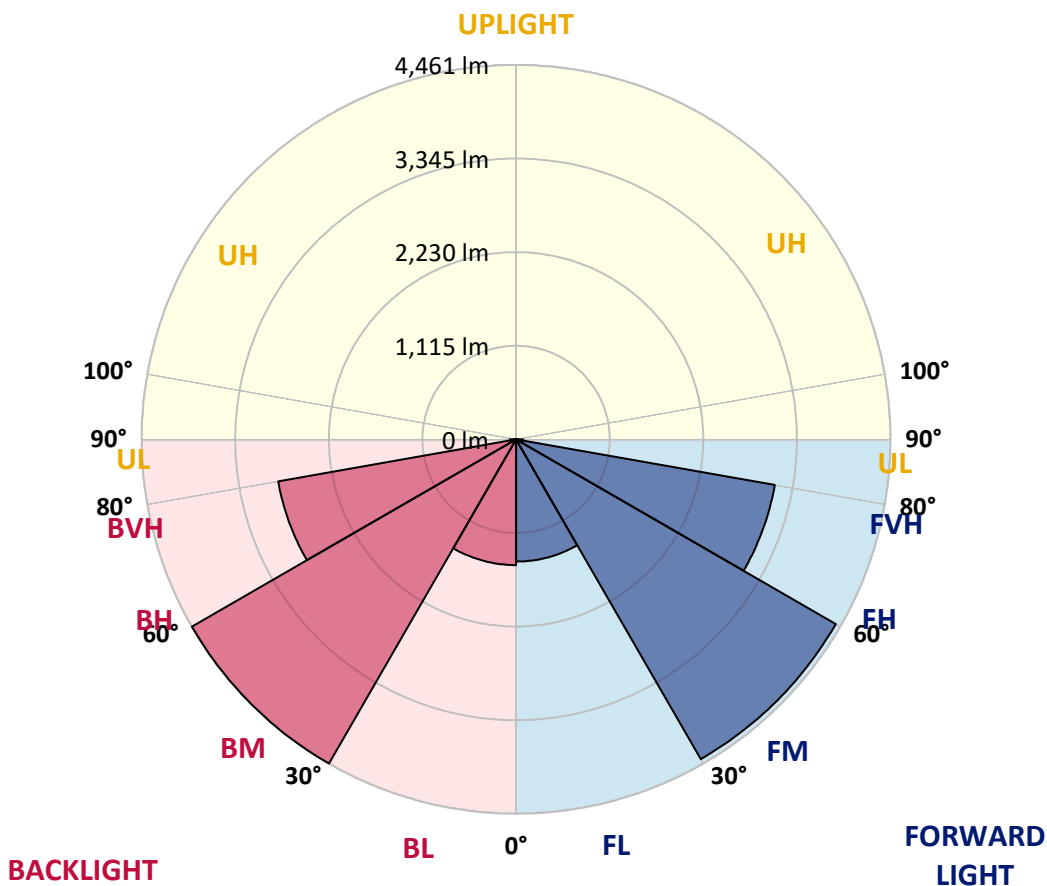
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1456.0	8.1			
FM (30°-60°)	4399.4	24.5			
FH (60°-80°)	3130.1	17.4			G2/5000
FVH (80°-90°)	81.9	0.5			G1/100
BL (0°-30°)	1498.1	8.3	B3/2500		
BM (30°-60°)	4460.5	24.8	B3/5000		
BH (60°-80°)	2877.9	16.0	B4/5000		G4/5000
BVH (80°-90°)	73.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3026.4	3023.8	3017.3	3036.7	3032.8	3034.1	3041.9	3036.7	3027.7	3012.2	3034.1
5°	3111.6	3110.3	3096.1	3107.7	3094.8	3085.8	3084.5	3071.6	3061.2	3044.5	3067.7
7.5°	3194.2	3192.9	3181.3	3202.0	3191.6	3181.3	3169.7	3143.9	3119.3	3094.8	3120.6
10°	3257.5	3256.2	3253.6	3283.3	3285.9	3289.8	3284.6	3240.7	3198.1	3168.4	3194.2
12.5°	3293.6	3297.5	3304.0	3358.2	3385.3	3411.1	3417.6	3381.4	3310.4	3267.8	3298.8
15°	3269.1	3276.9	3309.1	3407.3	3482.1	3540.2	3564.8	3535.1	3443.4	3372.4	3407.3
17.5°	3151.6	3158.1	3221.3	3371.1	3536.4	3670.7	3710.7	3692.6	3590.6	3504.1	3537.7
20°	2988.9	3003.1	3071.6	3280.7	3527.3	3761.0	3868.2	3861.7	3750.7	3617.7	3657.7
22.5°	2841.8	2858.5	2930.8	3162.0	3466.7	3784.3	4027.0	4043.8	3896.6	3731.3	3763.6
25°	2676.5	2692.0	2784.9	3021.2	3362.1	3766.2	4162.6	4238.7	4061.9	3861.7	3891.4
27.5°	2507.4	2519.0	2610.6	2862.4	3225.2	3732.6	4269.7	4453.1	4224.5	3952.1	3972.8
30°	2358.9	2374.4	2458.3	2703.6	3075.4	3665.5	4357.5	4681.6	4411.8	4054.1	4070.9
32.5°	2215.6	2228.5	2320.1	2547.4	2916.6	3562.2	4436.3	4950.2	4689.3	4243.9	4243.9
35°	2034.8	2058.0	2161.3	2397.6	2766.9	3425.3	4493.1	5262.6	5068.9	4524.1	4525.4
37.5°	1868.2	1881.2	1989.6	2228.5	2609.4	3270.4	4498.3	5586.7	5549.2	4880.4	4883.0
40°	1678.5	1695.2	1811.4	2047.7	2428.6	3107.7	4449.2	5888.8	6052.8	5247.1	5232.9
42.5°	1486.1	1510.6	1621.6	1852.8	2233.6	2908.9	4318.8	6176.7	6691.9	5671.9	5637.0
45°	1300.2	1315.7	1426.7	1644.9	2010.3	2671.3	4109.6	6453.0	7451.0	6317.4	6267.1
47.5°	1091.0	1097.5	1212.4	1421.5	1779.2	2406.6	3810.1	6699.6	8285.1	7172.2	7085.7
50°	905.1	914.1	1004.5	1184.0	1496.4	2092.9	3437.0	6844.2	9347.7	8338.0	8188.3
52.5°	732.1	741.1	813.4	956.7	1236.9	1735.3	2974.7	6810.7	10425.8	9785.4	9567.2
55°	591.3	597.8	646.9	759.2	973.5	1380.2	2428.6	6509.8	11622.7	11675.6	11205.6
57.5°	499.7	502.2	535.8	604.2	760.5	1063.9	1874.7	5799.7	12877.6	14087.4	13315.3
60°	446.7	448.0	463.5	506.1	600.4	812.1	1373.8	4668.7	14177.8	17104.7	16046.0
62.5°	413.2	413.2	426.1	450.6	498.4	624.9	1009.7	3353.0	15111.3	20388.1	19335.8
65°	380.9	380.9	389.9	410.6	436.4	510.0	757.9	2162.6	15569.6	23133.0	22899.3
67.5°	339.6	340.9	347.3	369.3	392.5	426.1	574.5	1462.8	14618.0	23892.2	25074.8
70°	300.8	302.1	311.2	325.4	344.7	368.0	449.3	1008.4	10640.1	19898.7	22420.3
72.5°	258.2	263.4	269.8	285.3	297.0	313.7	366.7	653.3	6190.9	12800.2	14820.8
75°	211.7	218.2	225.9	241.4	249.2	255.6	302.1	466.1	2978.6	6486.6	7386.5
77.5°	164.0	170.4	179.5	193.7	198.8	206.6	231.1	337.0	1426.7	2875.3	3100.0
80°	109.7	112.3	120.1	136.9	145.9	151.1	170.4	229.8	619.7	1154.3	1143.9
82.5°	67.1	68.4	71.0	81.3	85.2	90.4	111.0	140.7	295.7	1311.8	1504.2
85°	24.5	23.2	21.9	28.4	33.6	38.7	51.6	71.0	129.1	901.2	1008.4
87.5°	0.0	0.0	0.0	1.3	2.6	2.6	5.2	10.3	31.0	337.0	231.1
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°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3027.7	3013.5	3031.5	3044.5	3072.9	3083.2	3085.8	3076.7	3076.7	3061.2	3063.8
5°	3062.5	3053.5	3083.2	3105.1	3146.5	3162.0	3172.3	3165.8	3169.7	3159.4	3162.0
7.5°	3115.5	3107.7	3159.4	3202.0	3244.6	3262.7	3271.7	3266.5	3267.8	3254.9	3258.8
10°	3189.1	3191.6	3253.6	3309.1	3365.9	3384.0	3387.9	3372.4	3359.5	3336.3	3337.5
12.5°	3289.8	3302.7	3390.5	3452.5	3510.6	3536.4	3508.0	3451.2	3398.2	3358.2	3353.0
15°	3399.5	3422.8	3549.3	3628.0	3691.3	3678.4	3594.5	3466.7	3362.1	3302.7	3291.1
17.5°	3531.2	3566.1	3724.9	3819.1	3873.4	3790.7	3615.1	3424.0	3278.2	3198.1	3182.6
20°	3655.2	3710.7	3910.8	4033.5	4039.9	3854.0	3606.1	3337.5	3154.2	3056.1	3035.4
22.5°	3768.8	3839.8	4105.8	4262.0	4178.1	3882.4	3550.6	3214.9	3004.4	2889.5	2871.4
25°	3892.7	3993.4	4333.0	4478.9	4316.2	3870.8	3434.4	3062.5	2823.7	2706.2	2693.3
27.5°	3977.9	4104.5	4561.5	4701.0	4429.8	3804.9	3284.6	2896.0	2658.4	2547.4	2529.3
30°	4076.1	4237.5	4813.3	4942.4	4499.5	3708.1	3124.5	2741.0	2504.8	2384.7	2371.8
32.5°	4254.2	4456.9	5125.7	5198.0	4521.5	3588.0	2970.9	2591.3	2344.7	2224.6	2206.5
35°	4540.9	4778.4	5564.7	5483.4	4504.7	3456.3	2825.0	2415.7	2180.7	2068.4	2050.3
37.5°	4902.4	5198.0	6054.1	5740.3	4458.2	3311.7	2652.0	2268.5	2033.5	1919.9	1909.6
40°	5239.4	5603.5	6602.8	5962.4	4364.0	3133.5	2485.4	2114.9	1874.7	1754.6	1731.4
42.5°	5661.6	6145.7	7238.0	6154.8	4209.0	2920.5	2298.2	1925.1	1675.9	1567.4	1539.0
45°	6303.2	6904.9	7976.5	6339.4	3977.9	2658.4	2063.2	1693.9	1457.7	1346.6	1324.7
47.5°	7103.7	7853.9	8777.0	6449.1	3626.8	2382.1	1797.2	1449.9	1213.7	1088.4	1078.1
50°	8228.3	9234.1	9635.6	6429.8	3234.3	2054.2	1497.7	1159.4	961.9	871.5	857.3
52.5°	9598.2	10966.8	10563.9	6197.4	2817.2	1681.0	1167.2	910.2	763.1	698.5	686.9
55°	11316.7	13041.6	11541.3	5699.0	2290.4	1287.2	916.7	717.9	617.2	578.4	573.3
57.5°	13444.4	15728.4	12482.5	4859.8	1722.4	982.5	706.2	592.6	544.9	521.6	520.3
60°	16252.6	18580.5	13299.8	3776.5	1233.0	751.4	583.6	529.4	491.9	476.4	475.1
62.5°	19591.4	21170.5	13808.5	2571.9	927.0	599.1	513.9	480.3	458.3	449.3	448.0
65°	23023.2	22807.6	13565.8	1684.9	703.7	508.7	460.9	442.9	423.5	414.4	414.4
67.5°	25050.3	22461.6	11702.7	1169.8	557.8	446.7	415.7	399.0	366.7	358.9	358.9
70°	22187.9	18200.9	7670.5	856.0	451.9	391.2	361.5	338.3	325.4	317.6	316.3
72.5°	14674.9	11843.4	4078.6	593.9	377.0	333.1	306.0	297.0	281.5	273.7	272.4
75°	7303.9	6220.6	2090.3	428.7	313.7	267.3	255.6	251.8	238.9	228.5	225.9
77.5°	3044.5	2769.5	974.8	311.2	238.9	215.6	205.3	205.3	191.1	179.5	174.3
80°	1147.8	1022.6	460.9	213.0	176.9	160.1	153.6	148.5	136.9	122.7	114.9
82.5°	1535.1	1003.2	225.9	133.0	116.2	103.3	94.3	90.4	83.9	77.5	72.3
85°	994.2	712.7	102.0	68.4	58.1	43.9	38.7	36.2	32.3	28.4	25.8
87.5°	202.7	238.9	31.0	12.9	7.7	3.9	3.9	1.3	0.0	0.0	0.0
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)