

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: P641501

Luminaire Tested: GWS-SA6B-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

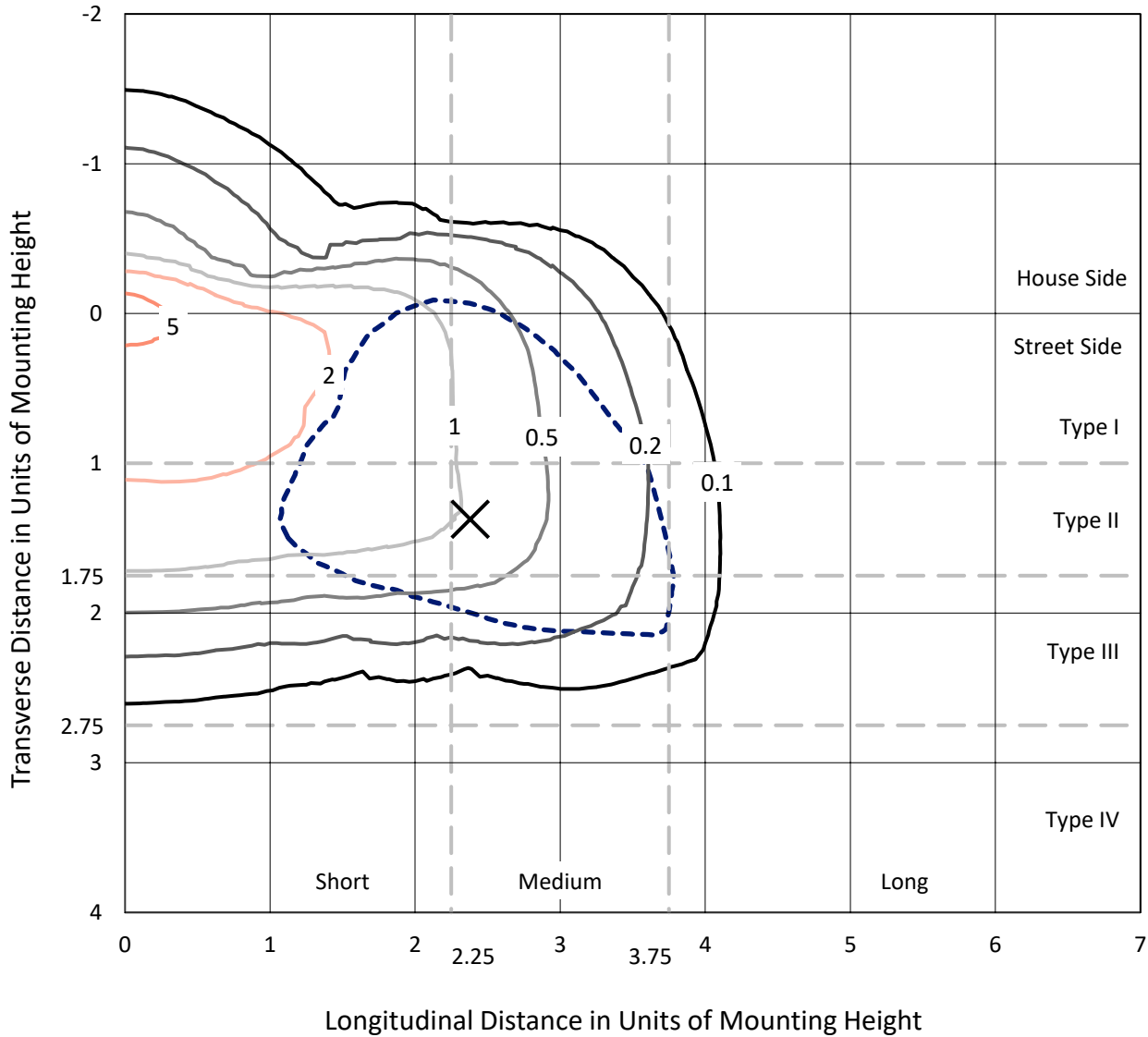
Lumens per Lamp: N/A  
Luminaire Lumens: 15280.9 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

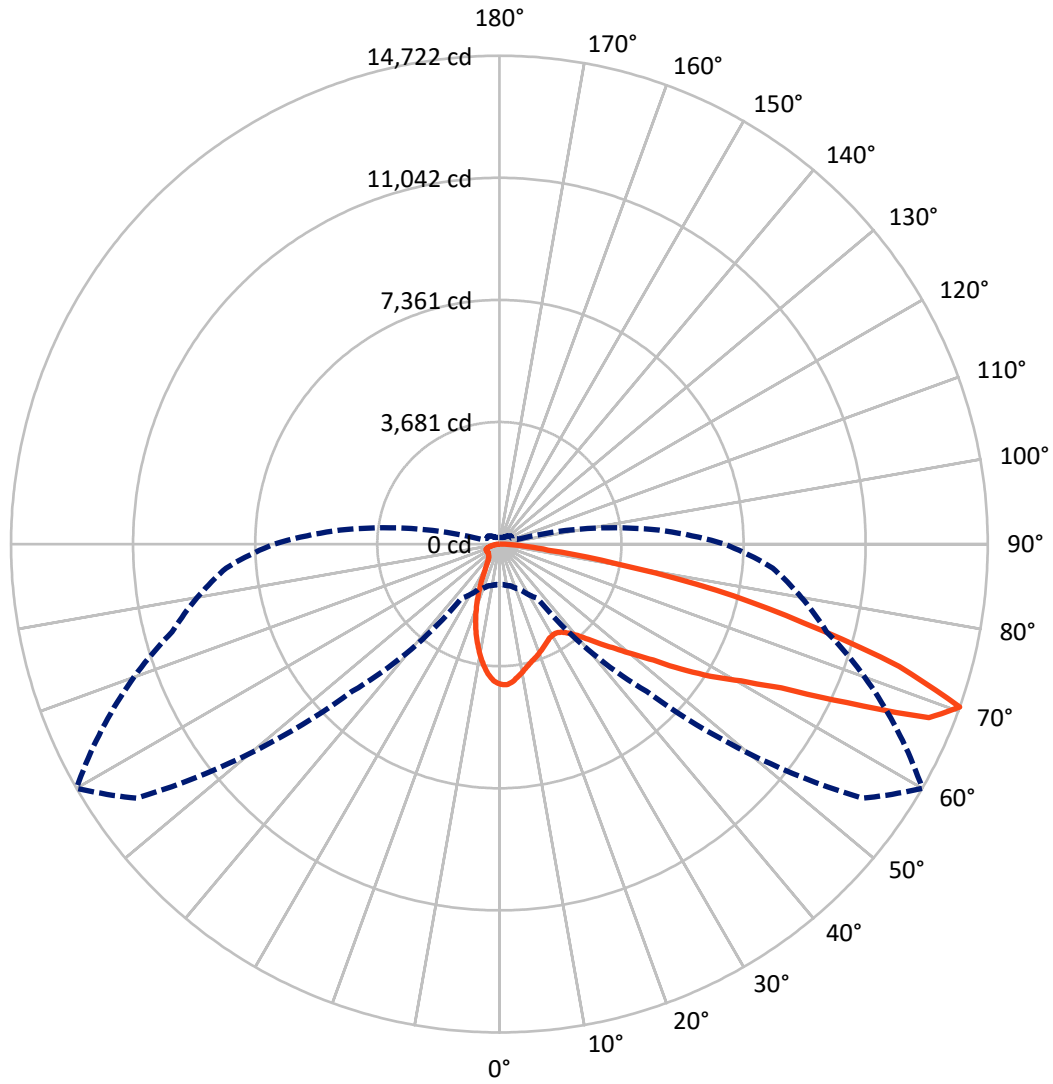
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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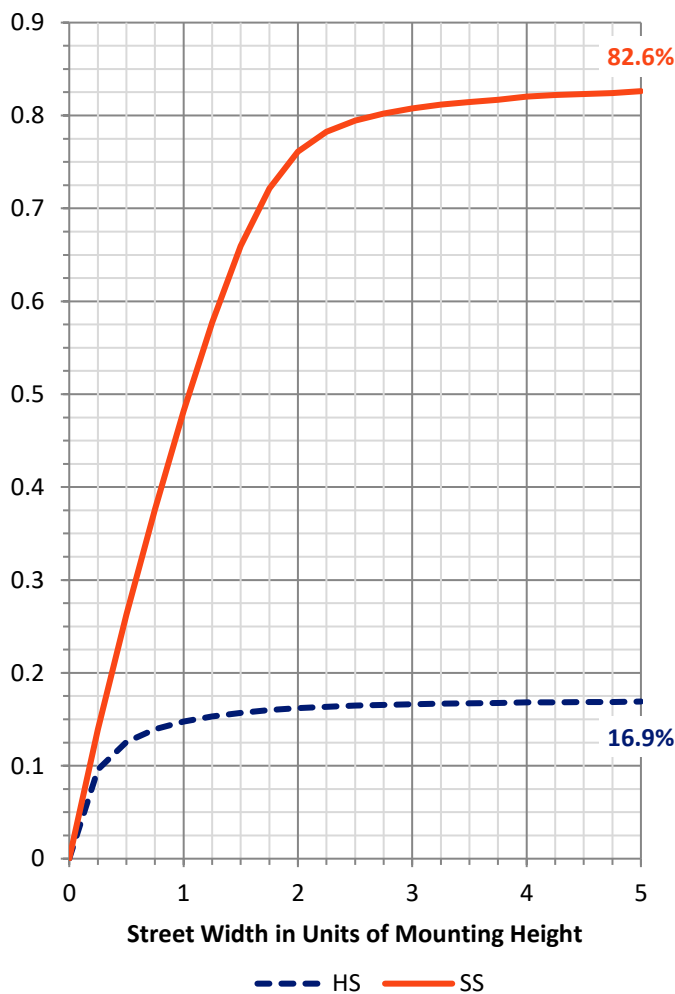
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2613.4	0.0	2613.4
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	12667.5	0.0	12667.5
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	15280.9	0.0	15280.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	364.5	2.4
10°-20°	816.5	5.3
20°-30°	1045.7	6.8
30°-40°	1374.3	9.0
40°-50°	1993.9	13.0
50°-60°	3111.0	20.4
60°-70°	4072.9	26.7
70°-80°	2252.2	14.7
80°-90°	249.9	1.6
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°	15280.9	100.0
0°-180°	15280.9	100.0

**Coefficient of Utilization**



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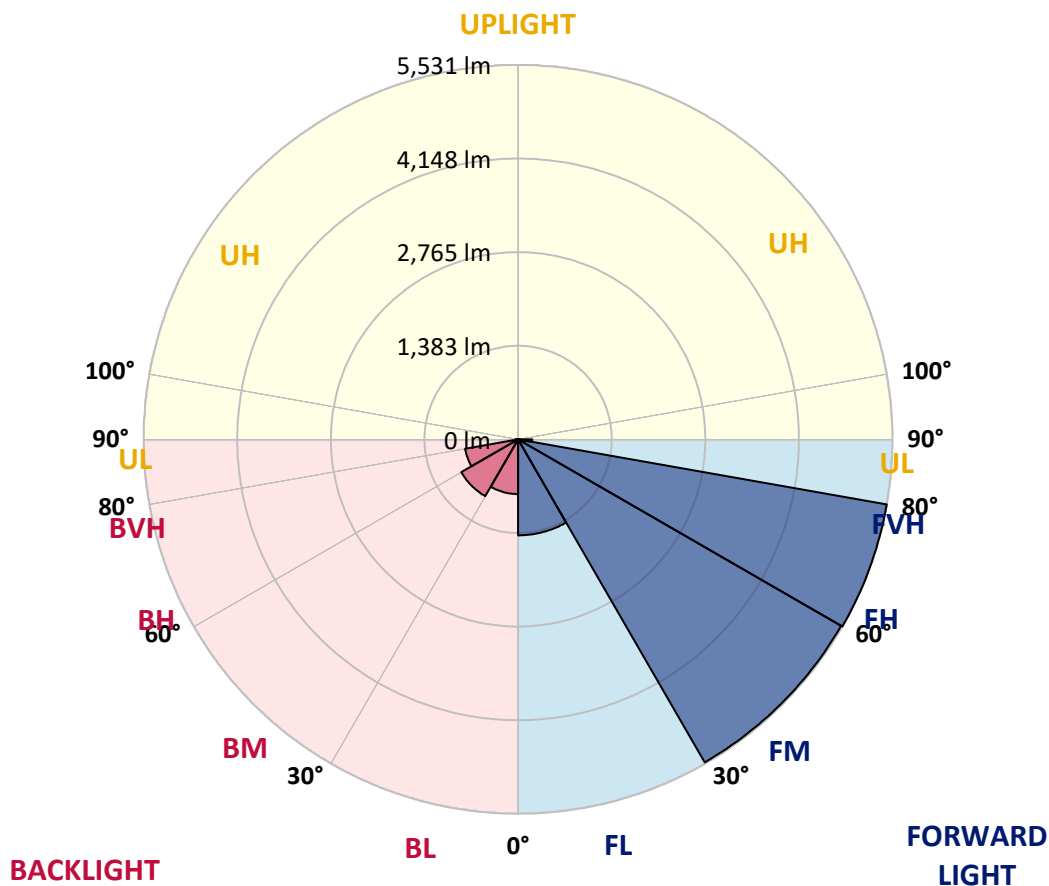
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1418.2	9.3			
FM (30°-60°)	5510.2	36.1			
FH (60°-80°)	5530.8	36.2			G3/7500
FVH (80°-90°)	208.3	1.4			G2/225
BL (0°-30°)	808.6	5.3	B2/1000		
BM (30°-60°)	969.0	6.3	B1/1000		
BH (60°-80°)	794.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	41.7	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-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4
2.5°	4169.2	4173.6	4185.9	4203.8	4221.7	4230.7	4253.0	4246.3	4241.8	4232.9	4221.7
5°	3984.7	3993.6	4004.8	4039.5	4078.6	4109.9	4160.2	4165.8	4168.0	4172.5	4154.6
7.5°	3749.9	3752.1	3779.0	3824.8	3876.2	3929.9	4013.8	4037.2	4057.4	4079.7	4065.2
10°	3490.5	3496.1	3516.2	3582.2	3670.5	3749.9	3862.8	3902.0	3944.4	3993.6	3973.5
12.5°	3278.1	3279.2	3311.6	3382.1	3478.2	3585.6	3726.4	3773.4	3829.3	3906.4	3888.5
15°	3109.3	3109.3	3139.5	3199.8	3310.5	3436.9	3604.6	3664.9	3741.0	3844.9	3813.6
17.5°	2975.1	2976.2	2995.2	3059.0	3157.3	3297.1	3496.1	3577.7	3661.6	3799.1	3752.1
20°	2904.7	2899.1	2902.4	2941.6	3025.4	3160.7	3387.7	3482.7	3595.6	3767.8	3696.2
22.5°	2901.3	2891.2	2876.7	2880.1	2929.3	3041.1	3271.4	3386.5	3528.5	3742.1	3639.2
25°	2958.3	2947.2	2921.4	2892.4	2887.9	2955.0	3161.8	3292.6	3459.2	3730.9	3584.4
27.5°	3054.5	3046.7	3013.1	2969.5	2923.7	2921.4	3079.1	3215.5	3408.9	3742.1	3545.3
30°	3181.9	3168.5	3147.3	3091.4	3022.1	2950.5	3046.7	3174.1	3375.4	3777.9	3528.5
32.5°	3326.2	3318.3	3298.2	3242.3	3168.5	3054.5	3072.4	3183.1	3375.4	3840.5	3531.9
35°	3479.3	3478.2	3478.2	3441.3	3359.7	3217.7	3174.1	3259.1	3426.8	3941.1	3567.7
37.5°	3628.0	3626.9	3662.7	3676.1	3583.3	3430.1	3347.4	3411.1	3539.7	4089.8	3656.0
40°	3748.8	3753.3	3831.5	3898.6	3847.2	3705.2	3588.9	3621.3	3723.1	4301.1	3810.3
42.5°	3870.7	3882.9	4000.3	4118.9	4139.0	4016.0	3898.6	3917.6	3985.8	4580.6	4040.6
45°	4003.7	4009.3	4173.6	4339.1	4436.4	4363.7	4267.6	4293.3	4308.9	4926.1	4383.8
47.5°	4132.3	4146.8	4359.2	4586.2	4770.7	4764.0	4710.3	4702.5	4705.8	5346.5	4789.7
50°	4307.8	4329.0	4578.4	4852.3	5122.9	5247.0	5262.6	5203.4	5178.8	5813.8	5295.0
52.5°	4641.0	4641.0	4864.6	5134.0	5497.4	5804.9	5910.0	5812.7	5734.4	6308.0	5831.7
55°	5058.0	5075.9	5253.7	5471.7	5932.3	6391.8	6747.4	6640.0	6418.7	6845.8	6394.1
57.5°	5243.6	5266.0	5547.7	5886.5	6501.4	7059.3	7552.4	7514.3	7191.2	7404.8	6977.7
60°	4908.2	4955.1	5343.1	5911.1	7016.8	8136.0	8483.7	8373.0	7911.2	7991.7	7610.5
62.5°	4094.3	4145.7	4576.1	5368.8	6945.3	9299.8	9951.7	9543.6	8810.1	8733.0	8453.5
65°	2442.9	2440.7	2958.3	4009.3	6063.1	9623.0	12274.9	11513.6	10198.8	9750.4	9321.1
67.5°	1553.0	1549.6	1658.1	2124.3	4035.0	8831.4	13768.6	13966.5	12084.9	10498.4	9392.6
70°	1225.4	1224.3	1302.5	1514.9	1995.7	6284.5	13352.7	14722.3	13224.2	10213.3	8270.1
72.5°	893.3	895.5	1016.3	1269.0	1539.5	3155.1	10812.6	12596.9	12163.1	9015.9	6713.8
75°	641.8	645.1	717.8	971.6	1419.9	1725.1	7190.1	9472.0	9254.0	7227.0	4618.6
77.5°	408.1	412.6	476.3	680.9	1147.1	1393.1	4359.2	6687.0	6157.0	4071.9	1642.4
80°	249.3	263.9	317.5	507.6	916.8	1045.4	2179.1	3522.9	3083.6	1116.9	552.3
82.5°	128.6	139.8	191.2	314.2	631.7	917.9	1233.2	1480.3	954.8	467.3	294.0
85°	40.2	47.0	67.1	127.5	300.8	569.1	816.2	735.7	438.3	220.3	136.4
87.5°	10.1	10.1	11.2	11.2	12.3	25.7	157.6	166.6	116.3	69.3	55.9
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°	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4	4228.4
2.5°	4199.4	4172.5	4161.3	4160.2	4132.3	4092.0	4065.2	4046.2	4035.0	4032.8	4032.8
5°	4124.4	4089.8	4043.9	4009.3	3934.4	3858.4	3794.6	3758.8	3717.5	3711.9	3710.8
7.5°	4024.9	3974.6	3887.4	3790.2	3659.3	3533.0	3425.7	3353.0	3280.3	3266.9	3262.4
10°	3917.6	3849.4	3700.7	3529.6	3334.0	3145.0	2980.7	2852.1	2767.1	2706.8	2695.6
12.5°	3811.4	3720.8	3502.8	3247.9	2979.6	2721.3	2474.2	2264.0	2112.0	2023.7	2008.0
15°	3711.9	3585.6	3287.0	2961.7	2612.9	2259.6	1909.6	1636.8	1423.3	1347.2	1329.3
17.5°	3621.3	3463.7	3078.0	2665.4	2230.5	1768.7	1370.7	1128.1	1002.9	964.9	955.9
20°	3530.8	3338.5	2865.5	2353.5	1824.6	1307.0	1001.8	887.7	840.8	826.2	821.8
22.5°	3433.5	3200.9	2634.1	2046.0	1414.3	978.3	819.5	769.2	754.7	755.8	754.7
25°	3336.2	3061.2	2391.5	1711.7	1053.2	793.8	715.5	696.5	699.9	710.0	712.2
27.5°	3255.7	2937.1	2153.3	1345.0	822.9	683.1	646.2	645.1	657.4	670.8	673.1
30°	3197.6	2826.4	1918.6	1034.2	677.5	607.1	592.6	599.3	613.8	623.9	627.2
32.5°	3156.2	2731.4	1668.1	812.8	593.7	553.4	546.7	553.4	562.4	572.4	574.7
35°	3141.7	2662.1	1422.1	663.0	536.7	514.3	509.8	513.2	517.7	523.2	525.5
37.5°	3174.1	2627.4	1165.0	576.9	502.0	488.6	481.9	479.6	480.8	483.0	484.1
40°	3270.3	2643.0	954.8	526.6	479.6	467.3	456.2	451.7	450.6	452.8	451.7
42.5°	3435.7	2709.0	802.8	497.5	461.8	443.9	431.6	427.1	427.1	432.7	432.7
45°	3678.3	2838.7	693.2	476.3	446.1	423.7	410.3	408.1	412.6	421.5	422.6
47.5°	4033.9	3028.8	627.2	460.6	431.6	405.8	392.4	391.3	400.3	414.8	415.9
50°	4455.4	3302.7	591.4	449.5	421.5	391.3	377.9	379.0	389.1	404.7	408.1
52.5°	4963.0	3676.1	593.7	445.0	415.9	382.4	369.0	366.7	376.8	392.4	395.8
55°	5487.3	4130.0	637.3	446.1	408.1	377.9	360.0	352.2	361.1	372.3	373.4
57.5°	6064.2	4642.1	745.7	443.9	398.0	373.4	352.2	334.3	339.9	346.6	349.9
60°	6714.9	5244.7	979.4	448.3	393.5	363.4	336.5	313.1	311.9	316.4	317.5
62.5°	7584.8	6064.2	1242.1	456.2	403.6	351.1	313.1	288.5	284.0	286.2	287.3
65°	8250.0	6455.6	1159.4	449.5	424.9	342.1	290.7	265.0	256.0	253.8	253.8
67.5°	7979.4	5937.9	807.2	431.6	434.9	343.2	272.8	240.4	229.2	223.6	222.5
70°	6789.8	4823.2	561.3	413.7	423.7	341.0	253.8	220.3	205.7	197.9	196.8
72.5°	5364.4	3682.8	453.9	377.9	384.6	307.5	225.8	197.9	185.6	175.5	175.5
75°	3452.5	2247.3	379.0	336.5	314.2	239.3	195.7	176.7	164.4	154.3	154.3
77.5°	1161.6	834.1	294.0	285.1	234.8	180.0	164.4	152.1	142.0	133.0	131.9
80°	471.8	395.8	215.8	215.8	164.4	137.5	128.6	123.0	116.3	105.1	105.1
82.5°	273.9	240.4	150.9	130.8	109.6	95.0	89.4	83.9	83.9	76.0	76.0
85°	131.9	133.0	90.6	80.5	62.6	54.8	52.5	49.2	48.1	43.6	42.5
87.5°	71.6	72.7	45.8	35.8	24.6	21.2	17.9	16.8	15.7	14.5	14.5
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)