

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: P642522

Luminaire Tested: GWS-SA6D-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642522
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-SA6D-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26160 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

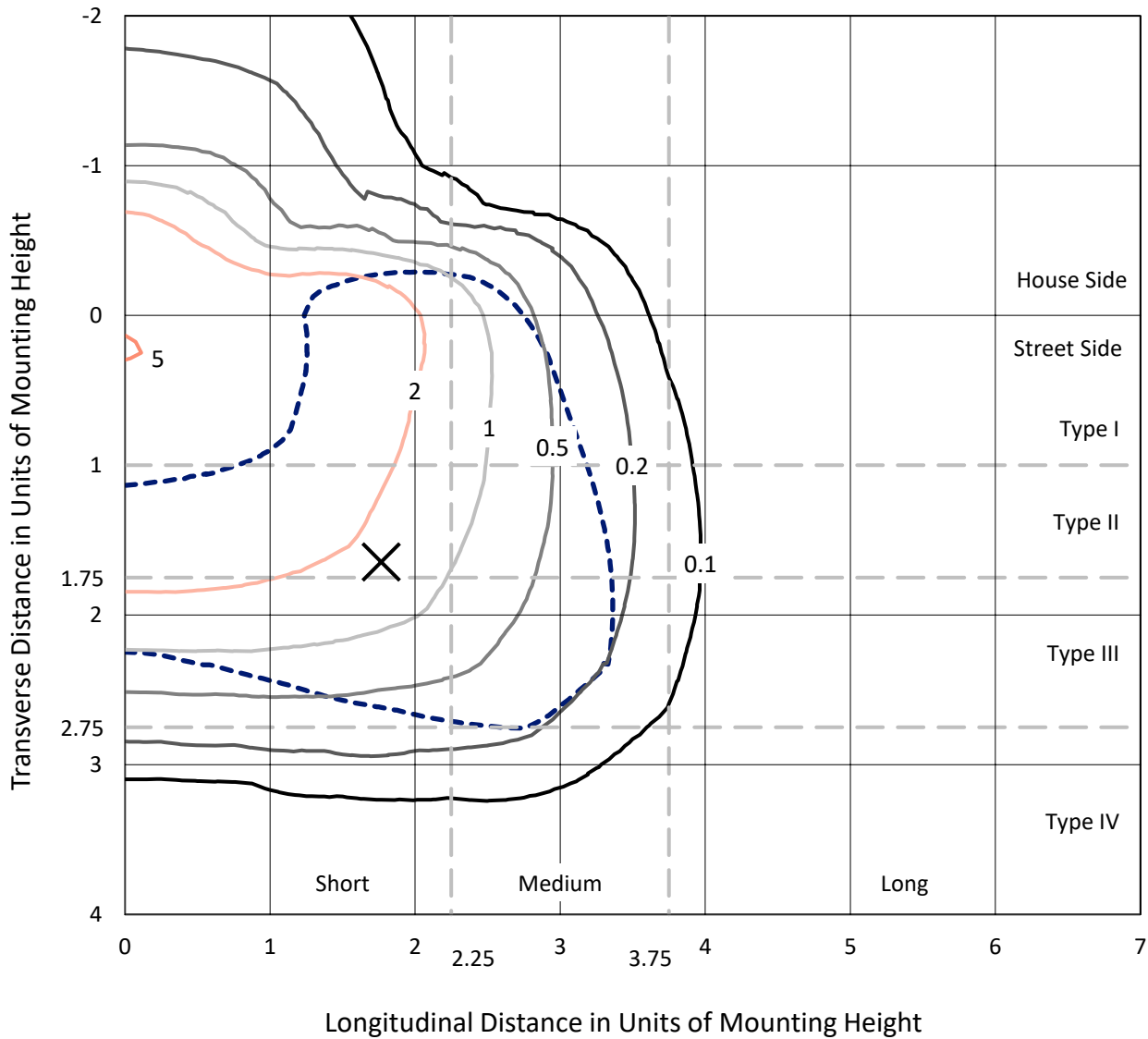
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

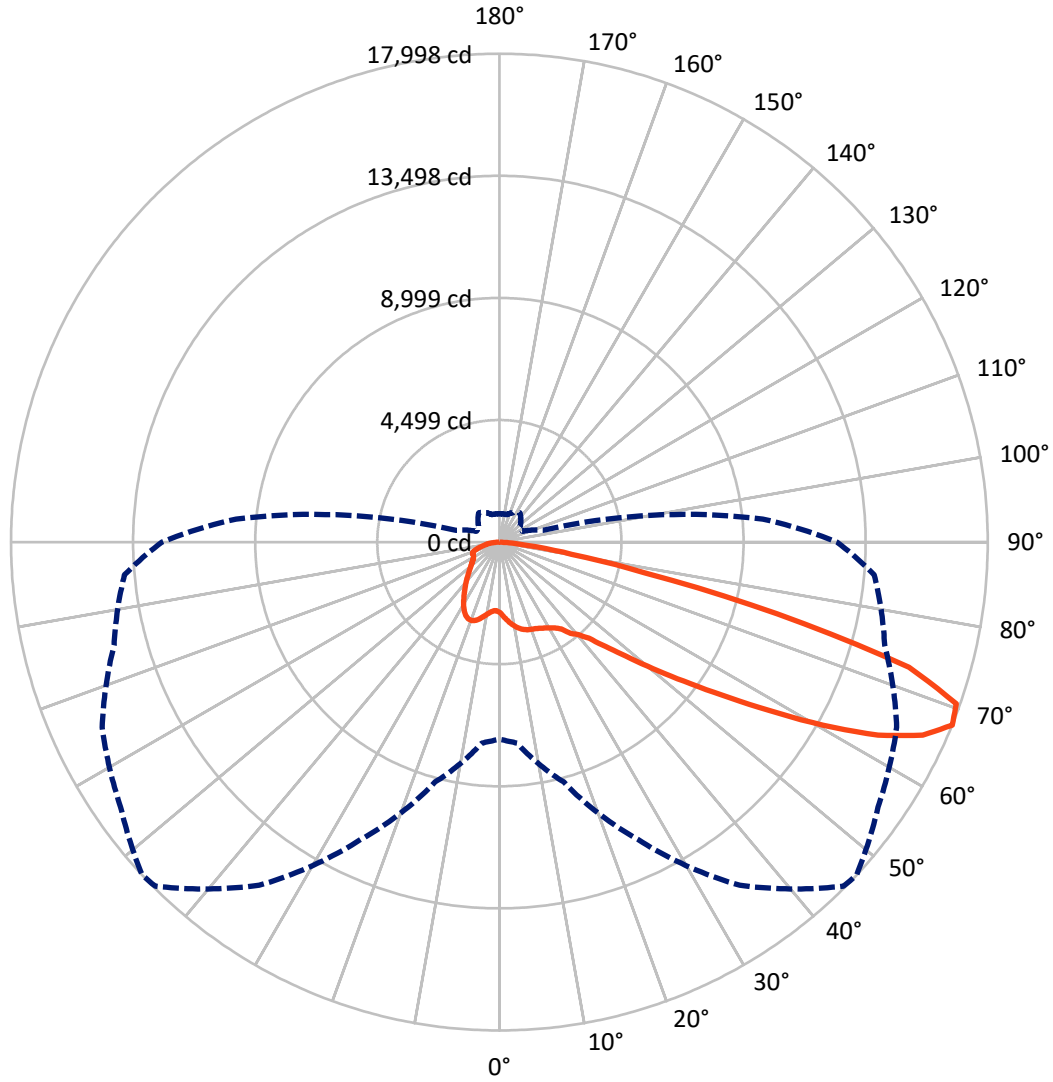
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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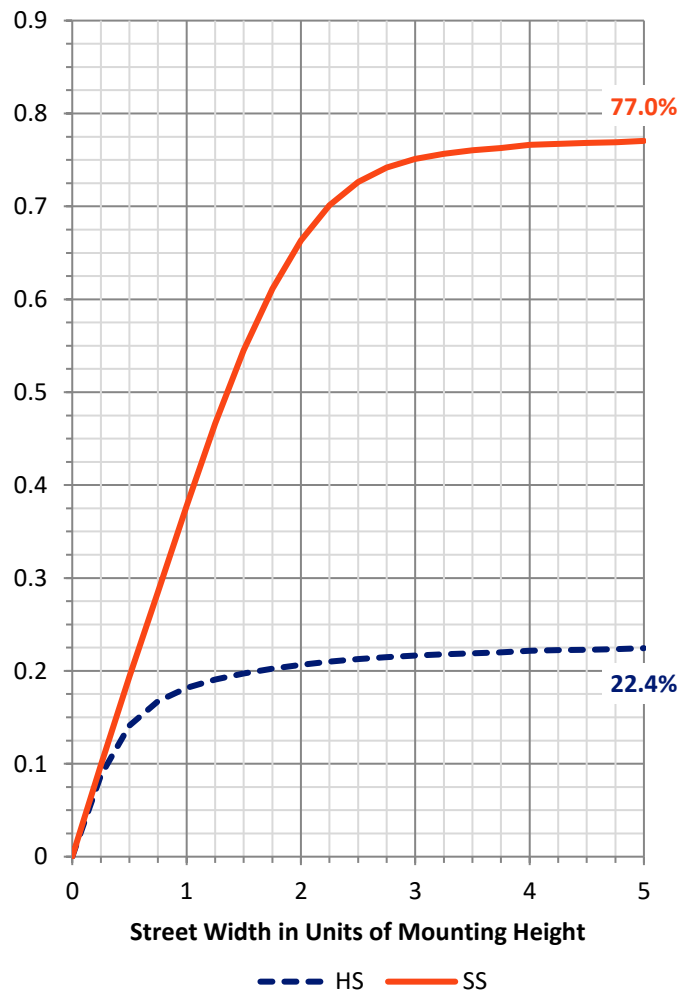
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5962.1	0.0	5962.1
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	20197.9	0.0	20197.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	26160.0	0.0	26160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	1.0
10°-20°	883.0	3.4
20°-30°	1500.9	5.7
30°-40°	2198.6	8.4
40°-50°	3349.9	12.8
50°-60°	5993.6	22.9
60°-70°	7997.8	30.6
70°-80°	3616.8	13.8
80°-90°	354.3	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°	26160.0	100.0
0°-180°	26160.0	100.0

Coefficient of Utilization



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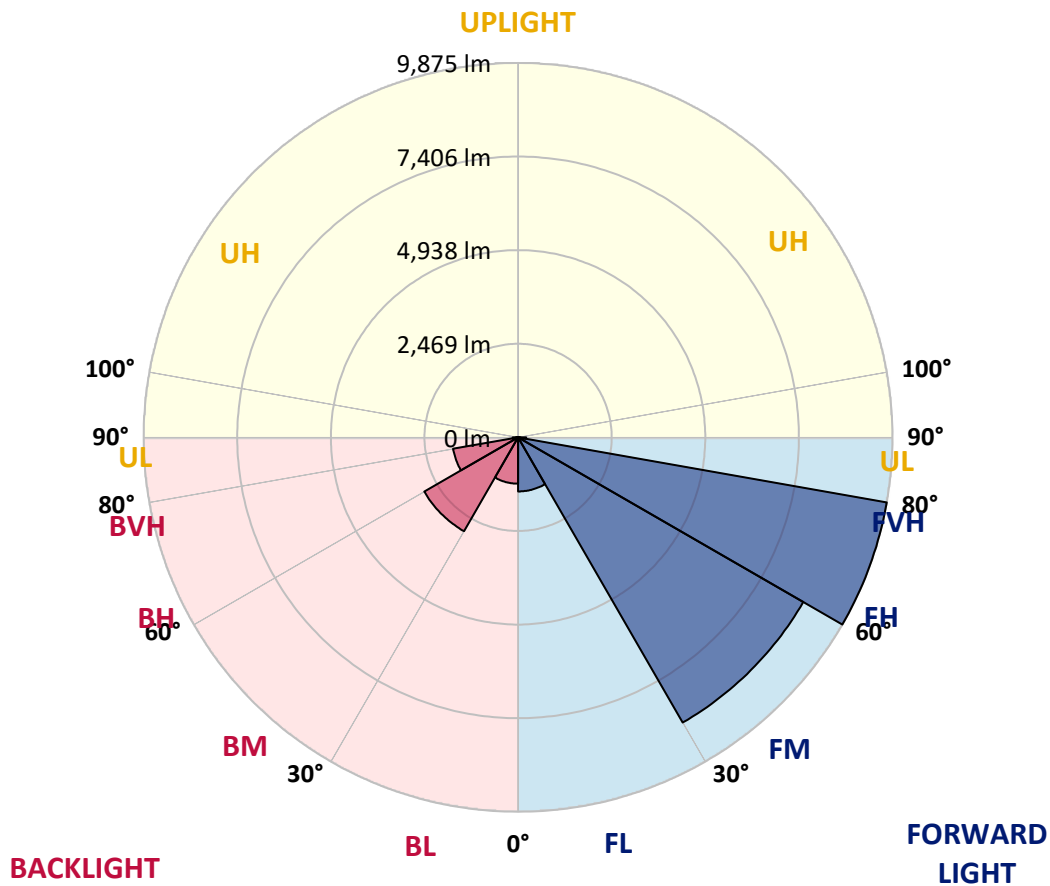
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1426.7	5.5			
FM (30°-60°)	8685.4	33.2			
FH (60°-80°)	9875.1	37.7			G4/12000
FVH (80°-90°)	210.8	0.8			G2/225
BL (0°-30°)	1222.2	4.7	B3/2500		
BM (30°-60°)	2856.7	10.9	B3/5000		
BH (60°-80°)	1739.5	6.6	B3/2500		G3/2500
BVH (80°-90°)	143.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3
2.5°	2765.4	2774.9	2773.0	2757.8	2748.4	2731.4	2733.3	2706.8	2667.1	2640.6	2610.3
5°	3009.4	3024.6	3005.6	2981.0	2943.2	2888.4	2882.7	2822.2	2746.5	2693.5	2638.7
7.5°	3221.3	3230.7	3208.0	3166.4	3111.6	3037.8	3024.6	2952.7	2858.1	2774.9	2695.4
10°	3385.8	3397.2	3366.9	3312.1	3240.2	3166.4	3157.0	3083.2	2982.9	2884.6	2784.3
12.5°	3525.8	3529.6	3497.4	3423.7	3346.1	3270.5	3261.0	3192.9	3100.2	3000.0	2890.3
15°	3607.1	3609.0	3569.3	3488.0	3414.2	3348.0	3342.3	3283.7	3198.6	3104.0	2986.7
17.5°	3601.5	3605.3	3576.9	3505.0	3440.7	3401.0	3395.3	3357.5	3291.3	3206.1	3088.9
20°	3531.5	3535.3	3516.3	3469.1	3435.0	3423.7	3425.6	3414.2	3374.5	3304.5	3185.3
22.5°	3476.6	3482.3	3465.3	3431.2	3427.4	3453.9	3459.6	3465.3	3446.4	3383.9	3268.6
25°	3503.1	3512.6	3486.1	3438.8	3446.4	3505.0	3516.3	3535.3	3520.1	3467.2	3366.9
27.5°	3686.6	3692.3	3624.2	3527.7	3505.0	3567.4	3584.4	3614.7	3603.4	3554.2	3476.6
30°	4112.2	4108.4	3962.7	3726.3	3631.7	3656.3	3669.6	3713.1	3716.9	3684.7	3610.9
32.5°	4711.8	4692.9	4467.8	4091.4	3817.1	3756.6	3771.7	3830.3	3873.8	3839.8	3739.5
35°	5345.5	5328.4	5080.6	4639.9	4159.5	3949.5	3932.5	3977.9	4044.1	3949.5	3805.8
37.5°	5948.9	5922.4	5668.9	5124.1	4581.3	4288.1	4263.5	4218.1	4178.4	3996.8	3887.1
40°	6618.5	6588.2	6366.9	5750.2	5046.6	4547.2	4484.8	4305.1	4269.2	4153.8	4098.9
42.5°	7333.5	7333.5	7150.0	6542.8	5608.4	4918.0	4836.6	4566.1	4604.0	4528.3	4464.0
45°	8048.4	8069.3	7923.6	7341.0	6359.3	5617.8	5487.3	5103.3	5194.1	5160.1	5127.9
47.5°	8657.5	8697.2	8668.9	8156.3	7278.6	6469.0	6270.4	5871.3	6066.1	6147.5	6238.3
50°	9313.9	9357.4	9329.0	9126.6	8354.9	7499.9	7322.1	6909.7	7244.5	7488.6	7785.5
52.5°	10288.0	10350.4	10114.0	10036.4	9661.9	8670.8	8511.9	8042.8	8650.0	9054.7	9716.8
55°	11110.8	11108.9	11025.7	11203.5	11065.4	10102.6	9926.7	9501.1	10276.7	10706.0	11674.5
57.5°	11492.9	11538.3	11823.9	12327.1	12603.2	11852.3	11684.0	11248.9	12022.5	12245.7	13291.8
60°	11689.6	11746.4	12298.7	13293.7	14037.0	13762.8	13696.5	13142.3	13577.4	13550.9	14655.6
62.5°	11413.5	11527.0	12414.1	13736.3	15060.3	15682.7	15661.8	14823.9	14899.6	14640.4	15501.1
65°	10146.2	10269.1	11661.3	13515.0	15644.8	17142.9	17148.6	16346.6	15915.3	15170.0	15359.2
67.5°	7255.9	7431.8	9153.1	12092.5	15438.6	17931.7	17997.9	17037.0	16153.6	14700.9	13868.7
70°	3955.2	4083.8	5432.5	8789.9	13581.2	17742.5	17865.5	16704.1	15102.0	12716.7	10675.8
72.5°	1797.0	1838.6	2527.1	4823.4	9277.9	15272.2	15786.7	14907.1	12402.7	9393.3	6788.7
75°	822.8	841.7	1100.9	2307.7	4848.0	10219.9	10581.2	11103.3	8631.0	5931.8	3539.0
77.5°	516.4	522.1	626.1	1055.5	2417.4	5101.4	5481.6	6610.9	5054.2	2935.7	1479.2
80°	304.5	310.2	389.7	571.2	1134.9	2334.1	2695.4	2614.1	2375.8	1267.3	673.4
82.5°	153.2	158.9	225.1	325.3	618.5	928.7	1093.3	1099.0	885.2	686.6	380.2
85°	54.9	56.7	73.8	128.6	262.9	306.4	342.4	418.0	433.2	399.1	183.5
87.5°	0.0	0.0	1.9	3.8	7.6	30.3	32.2	60.5	126.7	141.9	73.8
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°	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3	2593.3
2.5°	2600.8	2572.5	2563.0	2553.6	2538.4	2532.8	2521.4	2510.1	2510.1	2498.7	2493.0
5°	2614.1	2576.3	2551.7	2540.3	2530.9	2536.5	2536.5	2540.3	2553.6	2546.0	2549.8
7.5°	2661.4	2617.9	2583.8	2574.4	2574.4	2597.1	2612.2	2631.1	2655.7	2659.5	2659.5
10°	2744.6	2693.5	2657.6	2651.9	2661.4	2693.5	2716.2	2738.9	2769.2	2771.1	2774.9
12.5°	2835.4	2784.3	2748.4	2756.0	2765.4	2807.0	2831.6	2850.5	2880.8	2880.8	2878.9
15°	2930.0	2873.2	2843.0	2858.1	2886.5	2933.8	2937.5	2939.4	2954.6	2950.8	2948.9
17.5°	3028.3	2967.8	2945.1	2967.8	2998.1	3020.8	3001.9	2975.4	2969.7	2962.1	2958.3
20°	3124.8	3062.4	3052.9	3069.9	3079.4	3060.5	3001.9	2952.7	2930.0	2918.6	2914.8
22.5°	3208.0	3155.1	3149.4	3149.4	3102.1	3035.9	2948.9	2882.7	2852.4	2837.3	2833.5
25°	3306.4	3257.2	3247.8	3196.7	3075.6	2954.6	2837.3	2776.8	2752.2	2744.6	2746.5
27.5°	3421.8	3387.7	3357.5	3211.8	3000.0	2810.8	2678.4	2651.9	2642.5	2651.9	2657.6
30°	3563.6	3529.6	3461.5	3192.9	2878.9	2623.5	2496.8	2494.9	2523.3	2547.9	2551.7
32.5°	3679.0	3663.9	3552.3	3132.4	2708.7	2417.4	2309.6	2317.1	2368.2	2402.2	2407.9
35°	3769.8	3794.4	3627.9	3032.1	2506.3	2222.5	2137.4	2141.2	2169.6	2216.9	2218.8
37.5°	3898.4	3981.7	3696.0	2878.9	2273.6	2054.2	1976.6	1948.3	1944.5	1957.7	1961.5
40°	4157.6	4282.4	3745.2	2655.7	2048.5	1902.9	1815.9	1761.0	1713.7	1677.8	1666.4
42.5°	4549.1	4692.9	3773.6	2385.2	1848.0	1753.4	1655.1	1585.1	1501.9	1426.2	1399.7
45°	5267.9	5315.2	3773.6	2097.7	1670.2	1613.5	1515.1	1431.9	1326.0	1237.1	1218.1
47.5°	6418.0	6266.6	3777.4	1819.6	1513.2	1490.5	1405.4	1310.8	1193.6	1119.8	1108.4
50°	8150.6	7619.1	3854.9	1588.9	1382.7	1386.5	1324.1	1220.0	1114.1	1059.3	1049.8
52.5°	10114.0	9285.5	4063.0	1418.6	1273.0	1301.4	1267.3	1167.1	1072.5	1025.2	1015.8
55°	11960.1	10817.6	4240.8	1297.6	1180.3	1229.5	1227.6	1134.9	1049.8	1002.5	996.8
57.5°	13530.1	11867.4	4214.3	1199.2	1100.9	1163.3	1191.7	1114.1	1034.7	994.9	989.3
60°	14506.1	12423.6	3837.9	1108.4	1040.3	1116.0	1170.9	1108.4	1042.2	1032.8	1034.7
62.5°	14929.8	12321.4	3115.3	1040.3	1000.6	1093.3	1193.6	1148.2	1112.2	1134.9	1148.2
65°	14271.6	11443.7	2292.5	989.3	962.8	1099.0	1246.5	1210.6	1112.2	1127.4	1133.0
67.5°	12444.4	9741.4	1657.0	938.2	915.5	1116.0	1322.2	1201.1	1047.9	1047.9	1036.6
70°	8967.7	7006.2	1203.0	887.1	868.2	1091.4	1326.0	1136.8	974.1	968.5	940.1
72.5°	5396.5	4133.0	938.2	830.4	796.3	968.5	1242.7	1061.1	902.3	855.0	820.9
75°	2803.2	2071.2	786.9	768.0	682.8	820.9	1136.8	943.9	771.7	730.1	711.2
77.5°	1201.1	968.5	675.3	684.7	567.5	690.4	917.4	817.1	684.7	631.8	614.7
80°	592.0	550.4	533.4	548.5	454.0	533.4	790.7	715.0	580.7	520.2	495.6
82.5°	338.6	321.6	384.0	389.7	323.5	446.4	667.7	605.3	480.4	414.2	374.5
85°	157.0	168.3	232.7	234.5	200.5	306.4	436.9	340.5	255.4	211.9	202.4
87.5°	62.4	73.8	102.1	100.3	58.6	56.7	37.8	20.8	17.0	15.1	13.2
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)