

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: P639026

Luminaire Tested: GWS-SA5B-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639026
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-SA5B-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12814.9 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

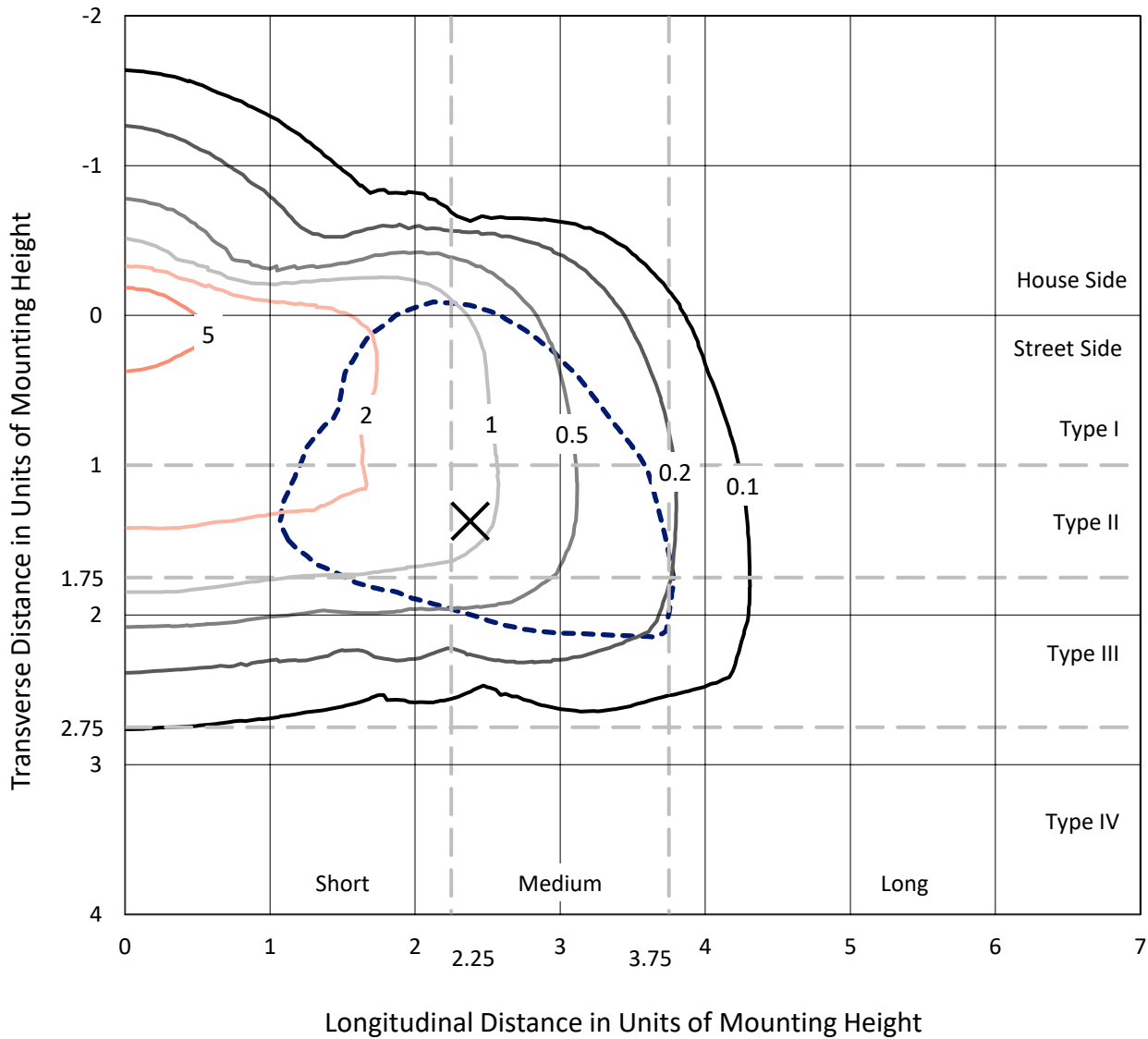
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

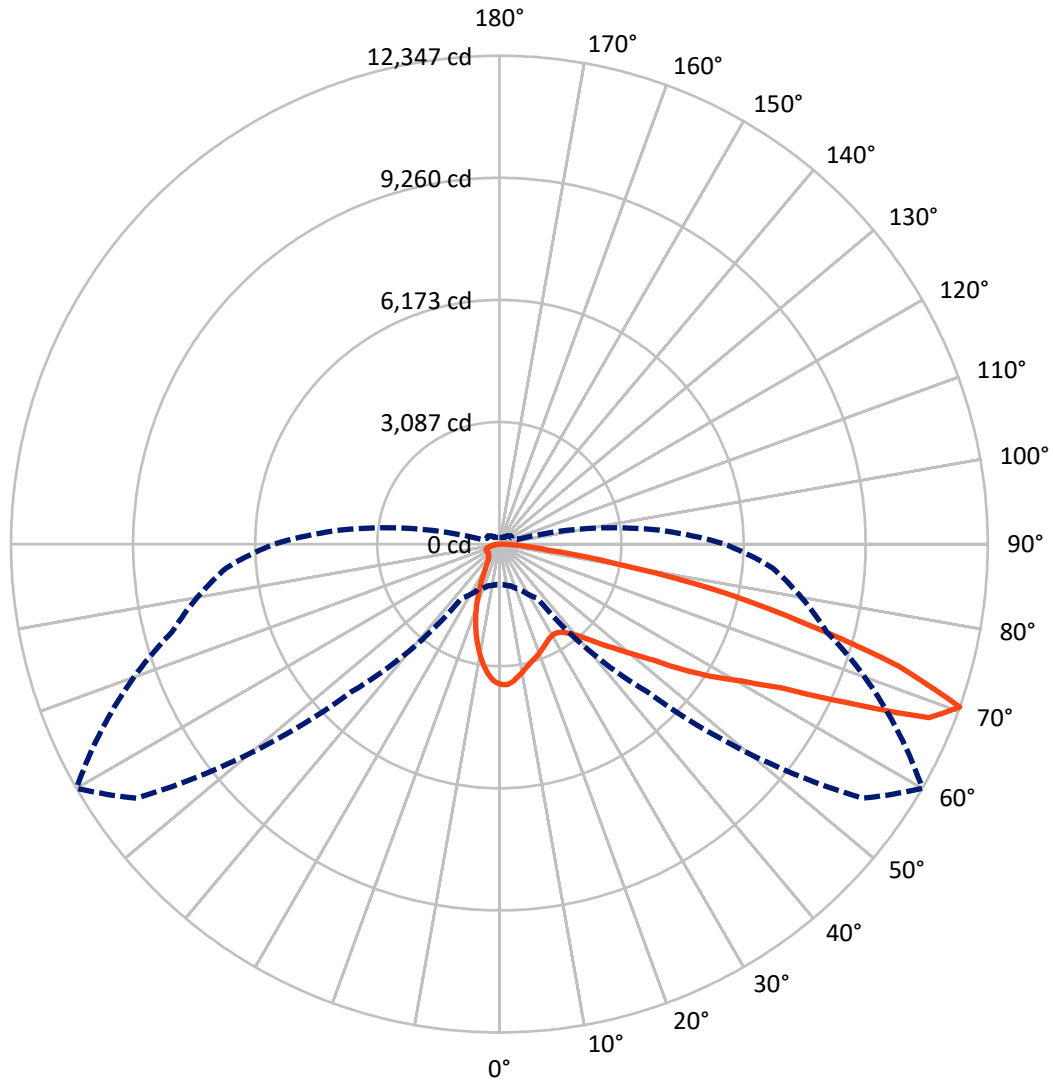
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 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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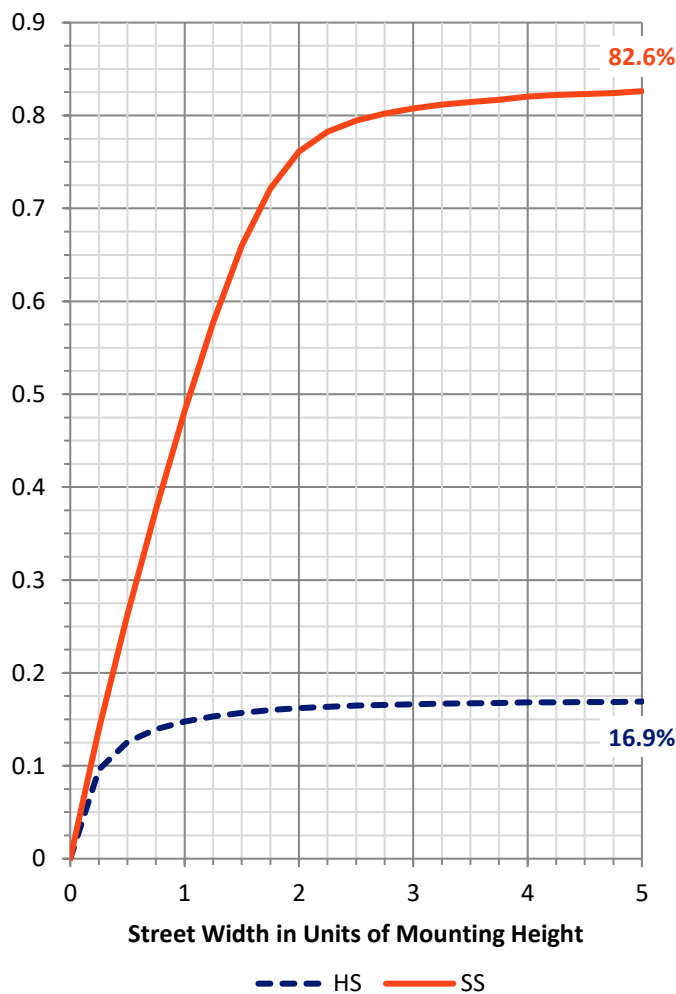
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2191.6	0.0	2191.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	10623.3	0.0	10623.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	12814.9	0.0	12814.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.7	2.4
10°-20°	684.8	5.3
20°-30°	877.0	6.8
30°-40°	1152.5	9.0
40°-50°	1672.1	13.0
50°-60°	2608.9	20.4
60°-70°	3415.6	26.7
70°-80°	1888.7	14.7
80°-90°	209.6	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°	12814.9	100.0
0°-180°	12814.9	100.0

Coefficient of Utilization



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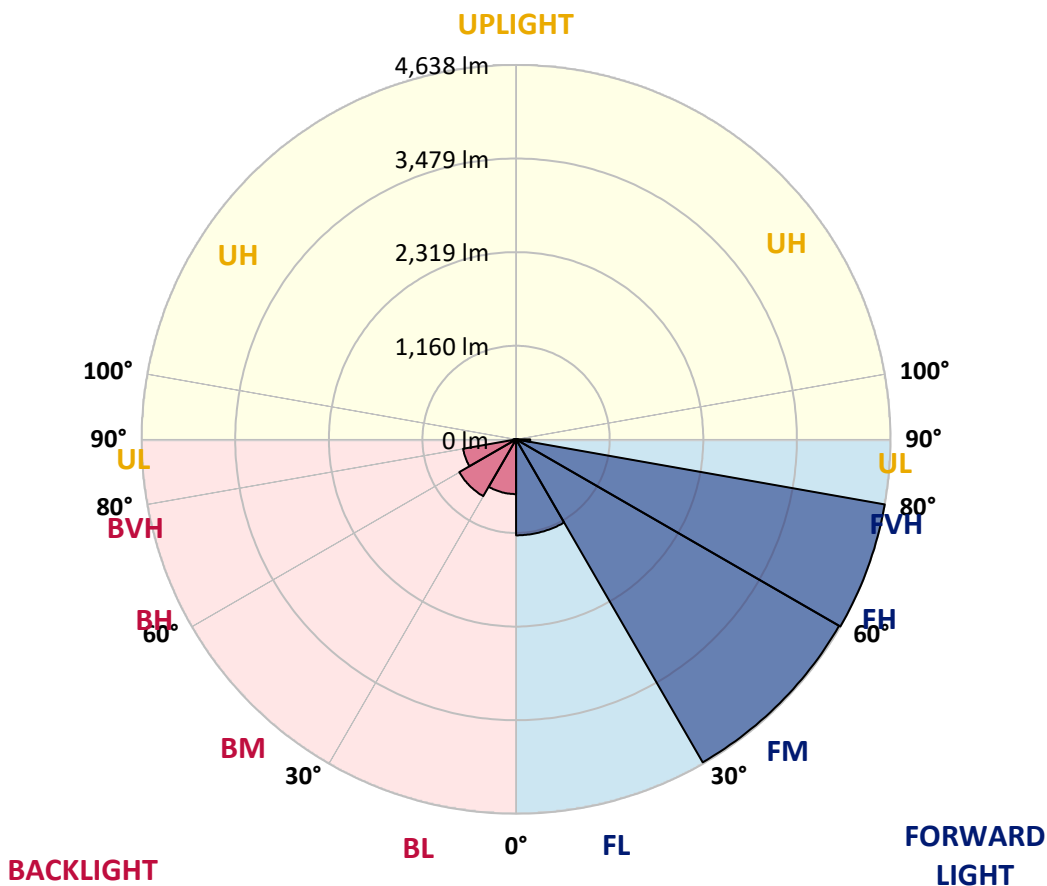
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1189.3	9.3			
FM (30°-60°)	4621.0	36.1			
FH (60°-80°)	4638.3	36.2			G2/5000
FVH (80°-90°)	174.7	1.4			G2/225
BL (0°-30°)	678.1	5.3	B2/1000		
BM (30°-60°)	812.6	6.3	B1/1000		
BH (60°-80°)	666.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	34.9	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3496.4	3500.1	3510.4	3525.4	3540.4	3547.9	3566.7	3561.1	3557.3	3549.8	3540.4
5°	3341.6	3349.2	3358.5	3387.6	3420.4	3446.7	3488.9	3493.5	3495.4	3499.2	3484.2
7.5°	3144.8	3146.6	3169.1	3207.6	3250.7	3295.7	3366.0	3385.7	3402.6	3421.3	3409.2
10°	2927.2	2931.9	2948.8	3004.1	3078.2	3144.8	3239.4	3272.3	3307.9	3349.2	3332.3
12.5°	2749.1	2750.0	2777.2	2836.3	2916.9	3006.9	3125.1	3164.4	3211.3	3276.0	3261.0
15°	2607.5	2607.5	2632.8	2683.4	2776.3	2882.2	3022.9	3073.5	3137.2	3224.4	3198.2
17.5°	2495.0	2495.9	2511.9	2565.3	2647.8	2765.0	2931.9	3000.4	3070.7	3186.0	3146.6
20°	2435.9	2431.2	2434.0	2466.9	2537.2	2650.6	2841.0	2920.7	3015.4	3159.8	3099.7
22.5°	2433.1	2424.7	2412.5	2415.3	2456.5	2550.3	2743.5	2840.0	2959.1	3138.2	3051.9
25°	2480.9	2471.5	2450.0	2425.6	2421.9	2478.1	2651.6	2761.3	2901.0	3128.8	3006.0
27.5°	2561.6	2555.0	2526.9	2490.3	2451.9	2450.0	2582.2	2696.6	2858.8	3138.2	2973.2
30°	2668.4	2657.2	2639.4	2592.5	2534.4	2474.4	2555.0	2661.9	2830.7	3168.2	2959.1
32.5°	2789.4	2782.8	2766.0	2719.1	2657.2	2561.6	2576.6	2669.4	2830.7	3220.7	2961.9
35°	2917.8	2916.9	2916.9	2886.0	2817.5	2698.4	2661.9	2733.1	2873.8	3305.1	2991.9
37.5°	3042.6	3041.6	3071.6	3082.9	3005.0	2876.6	2807.2	2860.7	2968.5	3429.8	3066.0
40°	3143.8	3147.6	3213.2	3269.5	3226.3	3107.2	3009.7	3036.9	3122.2	3607.0	3195.4
42.5°	3246.0	3256.3	3354.8	3454.2	3471.0	3367.9	3269.5	3285.4	3342.6	3841.4	3388.5
45°	3357.6	3362.3	3500.1	3638.9	3720.4	3659.5	3578.9	3600.4	3613.6	4131.1	3676.4
47.5°	3465.4	3477.6	3655.7	3846.1	4000.8	3995.2	3950.2	3943.6	3946.4	4483.7	4016.7
50°	3612.6	3630.4	3839.5	4069.2	4296.1	4400.2	4413.3	4363.6	4343.0	4875.6	4440.5
52.5°	3892.0	3892.0	4079.5	4305.5	4610.2	4868.1	4956.2	4874.6	4809.0	5290.0	4890.6
55°	4241.8	4256.8	4405.8	4588.7	4975.0	5360.3	5658.5	5568.5	5382.8	5741.0	5362.2
57.5°	4397.4	4416.2	4652.4	4936.5	5452.2	5920.1	6333.6	6301.7	6030.7	6209.8	5851.6
60°	4116.1	4155.5	4480.8	4957.2	5884.5	6823.0	7114.6	7021.8	6634.5	6702.1	6382.3
62.5°	3433.5	3476.7	3837.6	4502.4	5824.4	7799.1	8345.7	8003.5	7388.4	7323.7	7089.3
65°	2048.7	2046.8	2480.9	3362.3	5084.7	8070.0	10294.0	9655.5	8552.9	8176.9	7816.9
67.5°	1302.3	1299.5	1390.5	1781.5	3383.8	7406.2	11546.7	11712.6	10134.6	8804.2	7876.9
70°	1027.6	1026.7	1092.3	1270.5	1673.6	5270.3	11197.9	12346.5	11090.1	8565.1	6935.5
72.5°	749.2	751.0	852.3	1064.2	1291.1	2645.9	9067.6	10564.1	10200.3	7560.9	5630.4
75°	538.2	541.0	601.9	814.8	1190.8	1446.7	6029.8	7943.4	7760.6	6060.7	3873.3
77.5°	342.2	346.0	399.4	571.0	962.0	1168.3	3655.7	5607.9	5163.4	3414.8	1377.4
80°	209.1	221.3	266.3	425.7	768.8	876.7	1827.4	2954.4	2585.9	936.7	463.2
82.5°	107.8	117.2	160.3	263.5	529.8	769.8	1034.2	1241.4	800.7	391.9	246.6
85°	33.8	39.4	56.3	106.9	252.2	477.2	684.5	616.9	367.5	184.7	114.4
87.5°	8.4	8.4	9.4	9.4	10.3	21.6	132.2	139.7	97.5	58.1	46.9
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°	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0	3546.0
2.5°	3521.7	3499.2	3489.8	3488.9	3465.4	3431.7	3409.2	3393.2	3383.8	3382.0	3382.0
5°	3458.9	3429.8	3391.3	3362.3	3299.5	3235.7	3182.3	3152.3	3117.6	3112.9	3111.9
7.5°	3375.4	3333.2	3260.1	3178.5	3068.8	2962.9	2872.8	2811.9	2751.0	2739.7	2736.0
10°	3285.4	3228.2	3103.5	2960.0	2796.0	2637.5	2499.7	2391.8	2320.6	2270.0	2260.6
12.5°	3196.3	3120.4	2937.5	2723.8	2498.7	2282.1	2074.9	1898.7	1771.1	1697.1	1684.0
15°	3112.9	3006.9	2756.6	2483.7	2191.2	1894.9	1601.4	1372.7	1193.6	1129.8	1114.8
17.5°	3036.9	2904.7	2581.2	2235.3	1870.5	1483.3	1149.5	946.1	841.0	809.2	801.7
20°	2961.0	2799.7	2403.1	1973.7	1530.2	1096.1	840.1	744.5	705.1	692.9	689.1
22.5°	2879.4	2684.4	2209.0	1715.8	1186.1	820.4	687.3	645.1	632.9	633.8	632.9
25°	2797.8	2567.2	2005.6	1435.5	883.2	665.7	600.1	584.1	586.9	595.4	597.3
27.5°	2730.3	2463.1	1805.8	1127.9	690.1	572.9	541.9	541.0	551.3	562.6	564.4
30°	2681.6	2370.3	1608.9	867.3	568.2	509.1	496.9	502.6	514.7	523.2	526.0
32.5°	2646.9	2290.6	1398.9	681.6	497.9	464.1	458.5	464.1	471.6	480.1	481.9
35°	2634.7	2232.5	1192.6	556.0	450.1	431.3	427.6	430.4	434.1	438.8	440.7
37.5°	2661.9	2203.4	977.0	483.8	421.0	409.7	404.1	402.2	403.2	405.0	406.0
40°	2742.5	2216.5	800.7	441.6	402.2	391.9	382.5	378.8	377.9	379.7	378.8
42.5°	2881.3	2271.8	673.2	417.2	387.2	372.2	361.9	358.2	358.2	362.9	362.9
45°	3084.7	2380.6	581.3	399.4	374.1	355.4	344.1	342.2	346.0	353.5	354.4
47.5°	3382.9	2540.0	526.0	386.3	361.9	340.4	329.1	328.2	335.7	347.9	348.8
50°	3736.4	2769.7	496.0	376.9	353.5	328.2	316.9	317.9	326.3	339.4	342.2
52.5°	4162.1	3082.9	497.9	373.2	348.8	320.7	309.4	307.5	316.0	329.1	331.9
55°	4601.8	3463.5	534.4	374.1	342.2	316.9	301.9	295.3	302.8	312.2	313.2
57.5°	5085.6	3893.0	625.4	372.2	333.8	313.2	295.3	280.3	285.0	290.7	293.5
60°	5631.3	4398.3	821.3	376.0	330.0	304.7	282.2	262.5	261.6	265.3	266.3
62.5°	6360.8	5085.6	1041.7	382.5	338.5	294.4	262.5	241.9	238.2	240.0	241.0
65°	6918.6	5413.8	972.3	376.9	356.3	286.9	243.8	222.2	214.7	212.8	212.8
67.5°	6691.7	4979.7	677.0	361.9	364.7	287.8	228.8	201.6	192.2	187.5	186.6
70°	5694.1	4044.9	470.7	346.9	355.4	286.0	212.8	184.7	172.5	166.0	165.0
72.5°	4498.7	3088.5	380.7	316.9	322.5	257.8	189.4	166.0	155.6	147.2	147.2
75°	2895.3	1884.6	317.9	282.2	263.5	200.6	164.1	148.1	137.8	129.4	129.4
77.5°	974.2	699.5	246.6	239.1	196.9	151.0	137.8	127.5	119.1	111.6	110.6
80°	395.7	331.9	181.0	181.0	137.8	115.3	107.8	103.1	97.5	88.1	88.1
82.5°	229.7	201.6	126.6	109.7	91.9	79.7	75.0	70.3	70.3	63.8	63.8
85°	110.6	111.6	75.9	67.5	52.5	45.9	44.1	41.3	40.3	36.6	35.6
87.5°	60.0	60.9	38.4	30.0	20.6	17.8	15.0	14.1	13.1	12.2	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)