

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: P635187

Luminaire Tested: GWS-SA3D-730-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635187  
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-SA3D-730-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

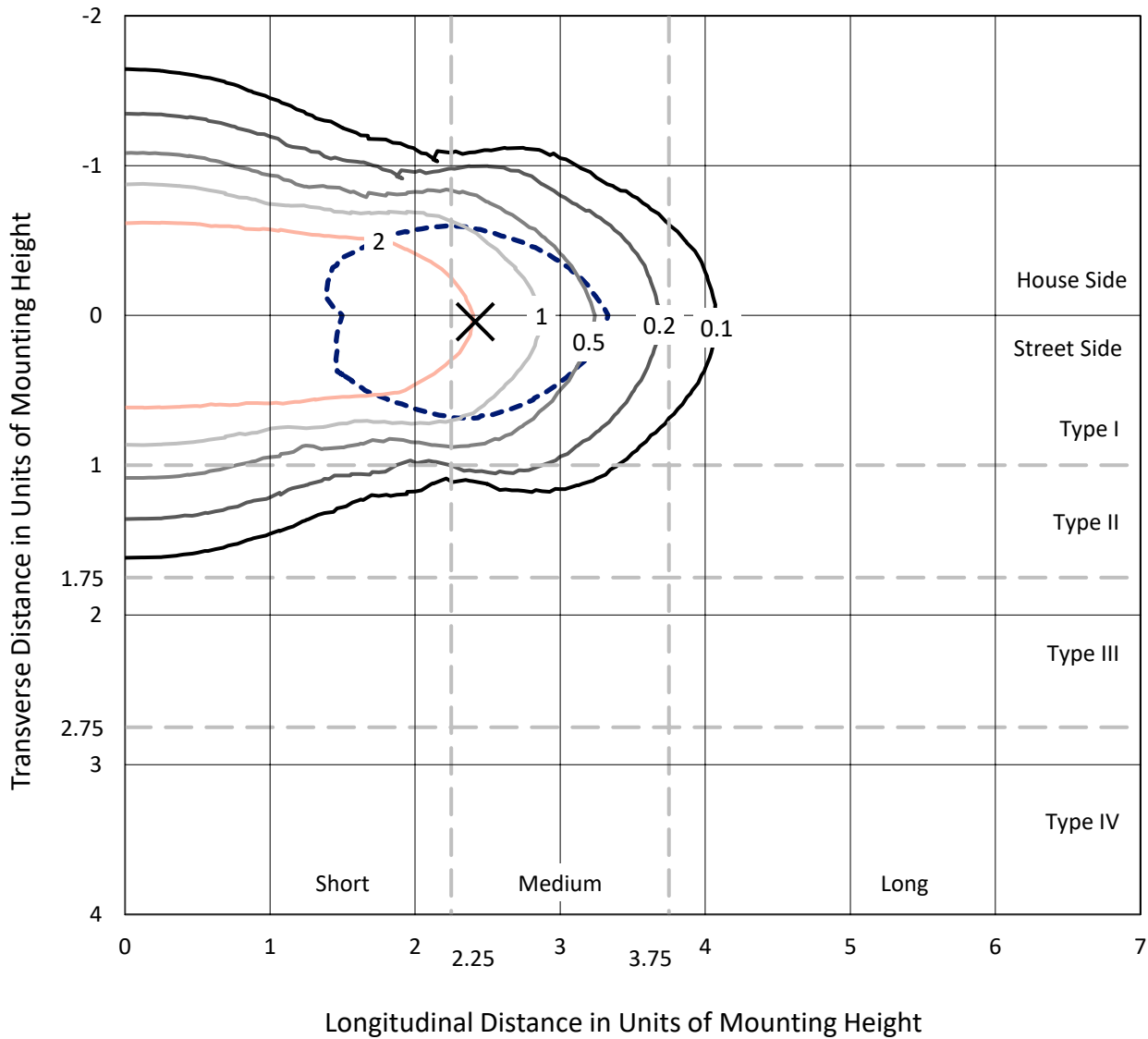
Lumens per Lamp: N/A  
Luminaire Lumens: 15995.9 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635187  
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### Iso-Footcandle Lines of Horizontal Illumination

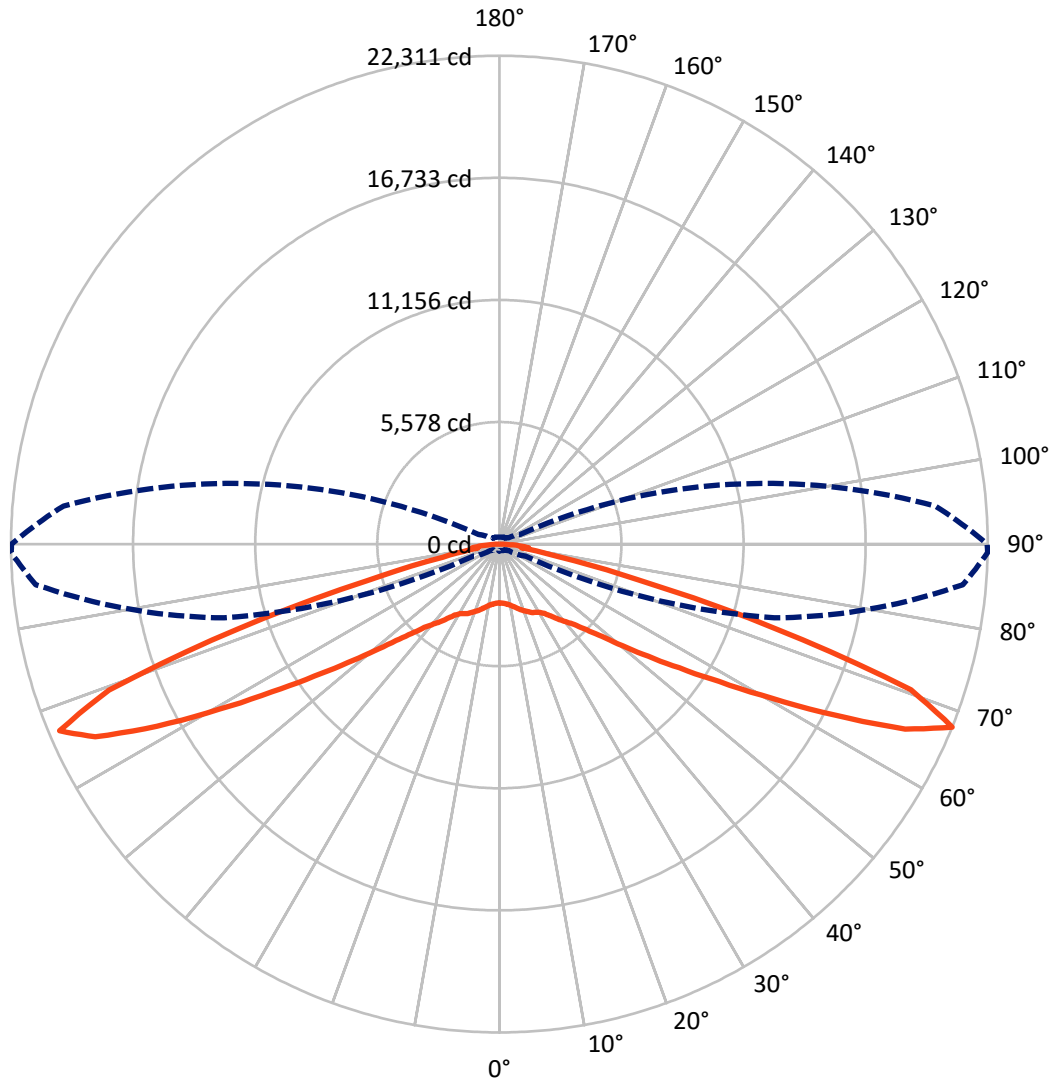
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type I - Medium - N/A

REPORT NUMBER: P635187  
CATALOG NUMBER: GWS-SA3D-730-U-T1-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635187

CATALOG NUMBER: GWS-SA3D-730-U-T1-W

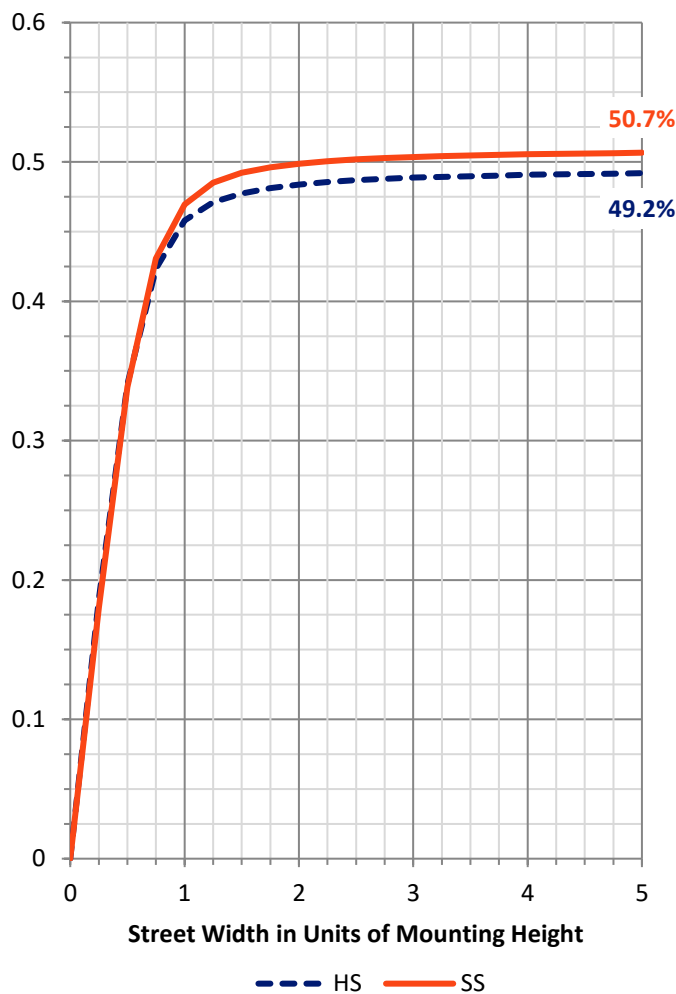
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7927.9	0.0	7927.9
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	8068.0	0.0	8068.0
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	15995.9	0.0	15995.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.3	1.7
10°-20°	876.9	5.5
20°-30°	1482.4	9.3
30°-40°	2034.3	12.7
40°-50°	2594.2	16.2
50°-60°	3254.9	20.3
60°-70°	3925.6	24.5
70°-80°	1420.2	8.9
80°-90°	138.1	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°	15995.9	100.0
0°-180°	15995.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635187

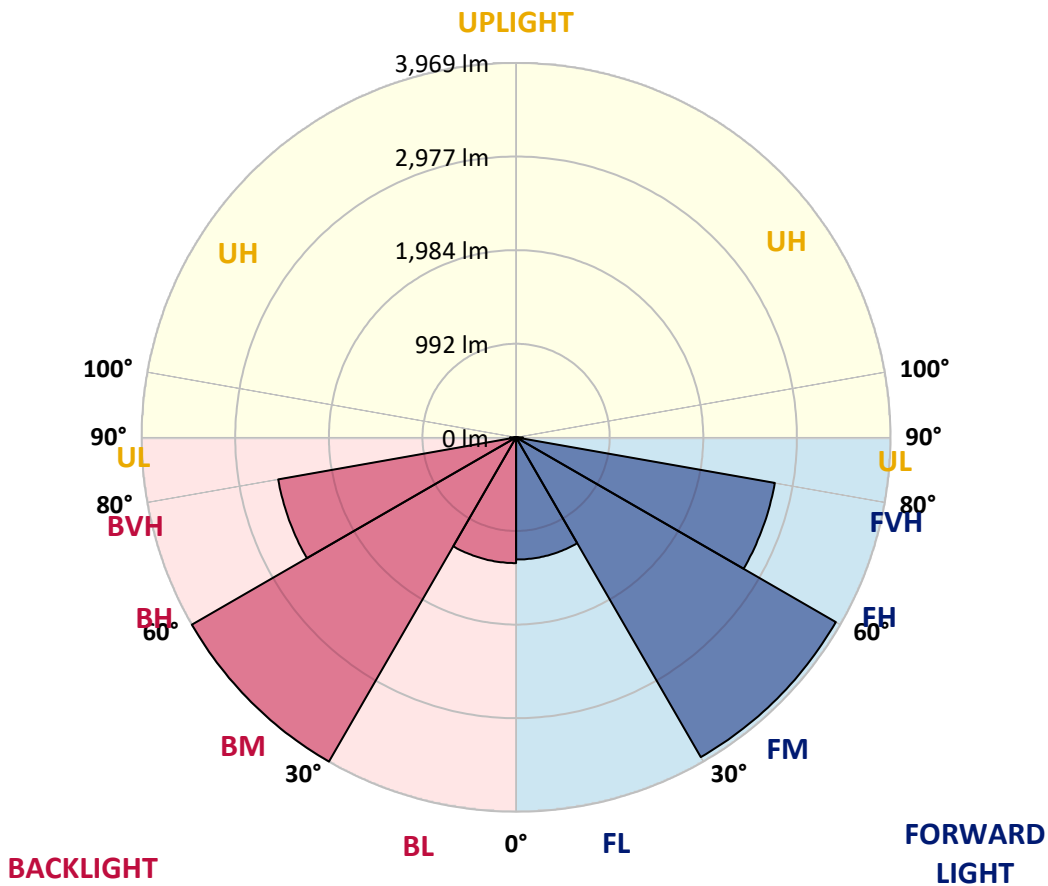
CATALOG NUMBER: GWS-SA3D-730-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.5	8.1			
FM (30°-60°)	3914.5	24.5			
FH (60°-80°)	2785.1	17.4			G2/5000
FVH (80°-90°)	72.9	0.5			G1/100
BL (0°-30°)	1333.0	8.3	B3/2500		
BM (30°-60°)	3968.9	24.8	B3/5000		
BH (60°-80°)	2560.7	16.0	B4/5000		G4/5000
BVH (80°-90°)	65.2	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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 CATALOG NUMBER: GWS-SA3D-730-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8
2.5°	2692.8	2690.5	2684.8	2702.0	2698.6	2699.7	2706.6	2702.0	2694.0	2680.2	2699.7
5°	2768.6	2767.5	2754.9	2765.2	2753.7	2745.7	2744.5	2733.0	2723.8	2708.9	2729.6
7.5°	2842.2	2841.0	2830.7	2849.1	2839.9	2830.7	2820.3	2797.4	2775.5	2753.7	2776.7
10°	2898.5	2897.3	2895.0	2921.4	2923.7	2927.2	2922.6	2883.5	2845.6	2819.2	2842.2
12.5°	2930.6	2934.1	2939.8	2988.1	3012.2	3035.2	3040.9	3008.7	2945.6	2907.7	2935.2
15°	2908.8	2915.7	2944.4	3031.7	3098.4	3150.1	3171.9	3145.5	3063.9	3000.7	3031.7
17.5°	2804.3	2810.0	2866.3	2999.6	3146.6	3266.1	3301.7	3285.6	3194.9	3117.9	3147.8
20°	2659.5	2672.1	2733.0	2919.1	3138.6	3346.5	3441.9	3436.1	3337.3	3219.0	3254.6
22.5°	2528.5	2543.5	2607.8	2813.5	3084.6	3367.2	3583.2	3598.1	3467.1	3320.1	3348.8
25°	2381.5	2395.3	2478.0	2688.2	2991.5	3351.1	3703.8	3771.6	3614.2	3436.1	3462.5
27.5°	2231.0	2241.3	2322.9	2546.9	2869.7	3321.2	3799.1	3962.3	3758.9	3516.5	3534.9
30°	2098.9	2112.7	2187.3	2405.6	2736.5	3261.5	3877.3	4165.6	3925.5	3607.3	3622.2
32.5°	1971.4	1982.9	2064.4	2266.6	2595.2	3169.6	3947.3	4404.6	4172.5	3776.2	3776.2
35°	1810.5	1831.2	1923.1	2133.4	2461.9	3047.8	3997.9	4682.6	4510.3	4025.5	4026.6
37.5°	1662.3	1673.8	1770.3	1982.9	2321.8	2910.0	4002.5	4970.9	4937.6	4342.5	4344.8
40°	1493.5	1508.4	1611.8	1822.0	2160.9	2765.2	3958.8	5239.7	5385.6	4668.8	4656.2
42.5°	1322.3	1344.1	1442.9	1648.6	1987.5	2588.3	3842.8	5495.9	5954.3	5046.7	5015.7
45°	1156.9	1170.6	1269.4	1463.6	1788.7	2376.9	3656.7	5741.8	6629.8	5621.2	5576.4
47.5°	970.7	976.5	1078.7	1264.8	1583.1	2141.4	3390.2	5961.2	7372.0	6381.7	6304.7
50°	805.3	813.4	893.8	1053.5	1331.5	1862.2	3058.1	6089.9	8317.4	7419.1	7285.8
52.5°	651.4	659.4	723.8	851.3	1100.6	1544.0	2646.9	6060.0	9276.7	8706.9	8512.7
55°	526.2	531.9	575.6	675.5	866.2	1228.1	2160.9	5792.3	10341.6	10388.7	9970.6
57.5°	444.6	446.9	476.8	537.6	676.7	946.6	1668.1	5160.5	11458.3	12534.7	11847.7
60°	397.5	398.6	412.4	450.3	534.2	722.6	1222.3	4154.1	12615.1	15219.5	14277.5
62.5°	367.6	367.6	379.1	400.9	443.4	556.0	898.4	2983.5	13445.7	18141.0	17204.7
65°	338.9	338.9	346.9	365.3	388.3	453.8	674.4	1924.3	13853.6	20583.3	20375.4
67.5°	302.1	303.3	309.0	328.6	349.2	379.1	511.2	1301.6	13006.9	21258.8	22311.2
70°	267.7	268.8	276.9	289.5	306.7	327.4	399.8	897.2	9467.4	17705.6	19949.2
72.5°	229.8	234.4	240.1	253.9	264.2	279.2	326.3	581.3	5508.6	11389.4	13187.3
75°	188.4	194.1	201.0	214.8	221.7	227.5	268.8	414.7	2650.3	5771.7	6572.4
77.5°	145.9	151.6	159.7	172.3	176.9	183.8	205.6	299.8	1269.4	2558.4	2758.3
80°	97.6	99.9	106.8	121.8	129.8	134.4	151.6	204.5	551.4	1027.0	1017.9
82.5°	59.7	60.9	63.2	72.4	75.8	80.4	98.8	125.2	263.1	1167.2	1338.4
85°	21.8	20.7	19.5	25.3	29.9	34.5	46.0	63.2	114.9	801.9	897.2
87.5°	0.0	0.0	0.0	1.1	2.3	2.3	4.6	9.2	27.6	299.8	205.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635187  
 CATALOG NUMBER: GWS-SA3D-730-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8	2684.8
2.5°	2694.0	2681.3	2697.4	2708.9	2734.2	2743.4	2745.7	2737.6	2737.6	2723.8	2726.1
5°	2725.0	2716.9	2743.4	2762.9	2799.7	2813.5	2822.6	2816.9	2820.3	2811.2	2813.5
7.5°	2772.1	2765.2	2811.2	2849.1	2887.0	2903.1	2911.1	2906.5	2907.7	2896.2	2899.6
10°	2837.6	2839.9	2895.0	2944.4	2995.0	3011.0	3014.5	3000.7	2989.2	2968.5	2969.7
12.5°	2927.2	2938.7	3016.8	3071.9	3123.6	3146.6	3121.3	3070.8	3023.7	2988.1	2983.5
15°	3024.8	3045.5	3158.1	3228.2	3284.5	3273.0	3198.3	3084.6	2991.5	2938.7	2928.3
17.5°	3142.0	3173.0	3314.3	3398.2	3446.4	3372.9	3216.7	3046.7	2916.8	2845.6	2831.8
20°	3252.3	3301.7	3479.8	3588.9	3594.6	3429.2	3208.6	2969.7	2806.6	2719.2	2700.9
22.5°	3353.4	3416.6	3653.2	3792.2	3717.6	3454.5	3159.2	2860.6	2673.3	2571.1	2555.0
25°	3463.7	3553.3	3855.4	3985.2	3840.5	3444.2	3055.9	2725.0	2512.5	2407.9	2396.4
27.5°	3539.5	3652.1	4058.8	4182.8	3941.6	3385.6	2922.6	2576.8	2365.4	2266.6	2250.5
30°	3626.8	3770.4	4282.8	4397.7	4003.6	3299.4	2780.1	2438.9	2228.7	2121.9	2110.4
32.5°	3785.3	3965.7	4560.8	4625.1	4023.2	3192.6	2643.4	2305.7	2086.2	1979.4	1963.3
35°	4040.4	4251.8	4951.4	4879.0	4008.2	3075.4	2513.6	2149.4	1940.4	1840.4	1824.3
37.5°	4362.1	4625.1	5386.8	5107.6	3966.9	2946.7	2359.7	2018.5	1809.4	1708.3	1699.1
40°	4661.9	4985.9	5875.0	5305.2	3883.0	2788.2	2211.5	1881.8	1668.1	1561.2	1540.6
42.5°	5037.6	5468.4	6440.3	5476.4	3745.1	2598.6	2044.9	1712.9	1491.2	1394.7	1369.4
45°	5608.5	6143.9	7097.4	5640.7	3539.5	2365.4	1835.8	1507.2	1297.0	1198.2	1178.7
47.5°	6320.8	6988.2	7809.7	5738.3	3227.0	2119.6	1599.2	1290.1	1079.9	968.5	959.3
50°	7321.4	8216.3	8573.6	5721.1	2877.8	1827.8	1332.6	1031.6	855.9	775.5	762.8
52.5°	8540.3	9758.0	9399.6	5514.3	2506.7	1495.8	1038.5	809.9	679.0	621.5	611.2
55°	10069.4	11604.2	10269.3	5070.9	2038.0	1145.4	815.7	638.7	549.1	514.7	510.1
57.5°	11962.6	13994.9	11106.8	4324.1	1532.5	874.2	628.4	527.3	484.8	464.1	463.0
60°	14461.3	16532.6	11834.0	3360.3	1097.1	668.6	519.3	471.0	437.7	423.9	422.8
62.5°	17432.1	18837.1	12286.6	2288.4	824.8	533.1	457.2	427.4	407.8	399.8	398.6
65°	20485.7	20293.8	12070.6	1499.2	626.1	452.6	410.1	394.0	376.8	368.8	368.8
67.5°	22289.3	19986.0	10412.9	1040.8	496.3	397.5	369.9	355.0	326.3	319.4	319.4
70°	19742.4	16194.9	6825.1	761.7	402.1	348.1	321.7	301.0	289.5	282.6	281.5
72.5°	13057.4	10538.1	3629.1	528.5	335.5	296.4	272.3	264.2	250.4	243.5	242.4
75°	6498.9	5535.0	1859.9	381.4	279.2	237.8	227.5	224.0	212.5	203.3	201.0
77.5°	2708.9	2464.2	867.4	276.9	212.5	191.9	182.7	182.7	170.0	159.7	155.1
80°	1021.3	909.9	410.1	189.6	157.4	142.5	136.7	132.1	121.8	109.1	102.2
82.5°	1365.9	892.6	201.0	118.3	103.4	91.9	83.9	80.4	74.7	68.9	64.3
85°	884.6	634.1	90.8	60.9	51.7	39.1	34.5	32.2	28.7	25.3	23.0
87.5°	180.4	212.5	27.6	11.5	6.9	3.4	3.4	1.1	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)