

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: P632695

Luminaire Tested: GWS-SA2D-730-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9055.8 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

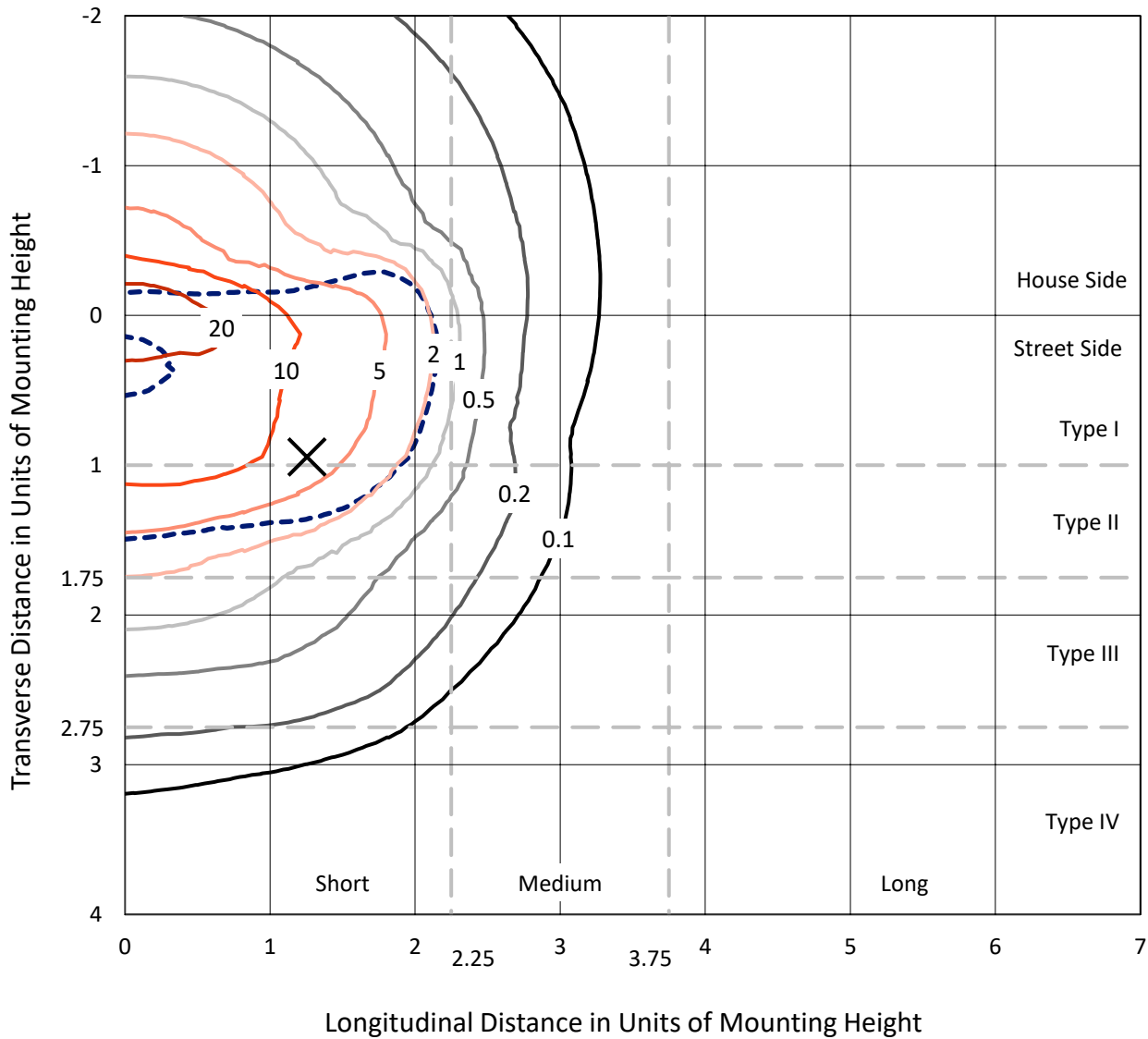
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632695
 CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

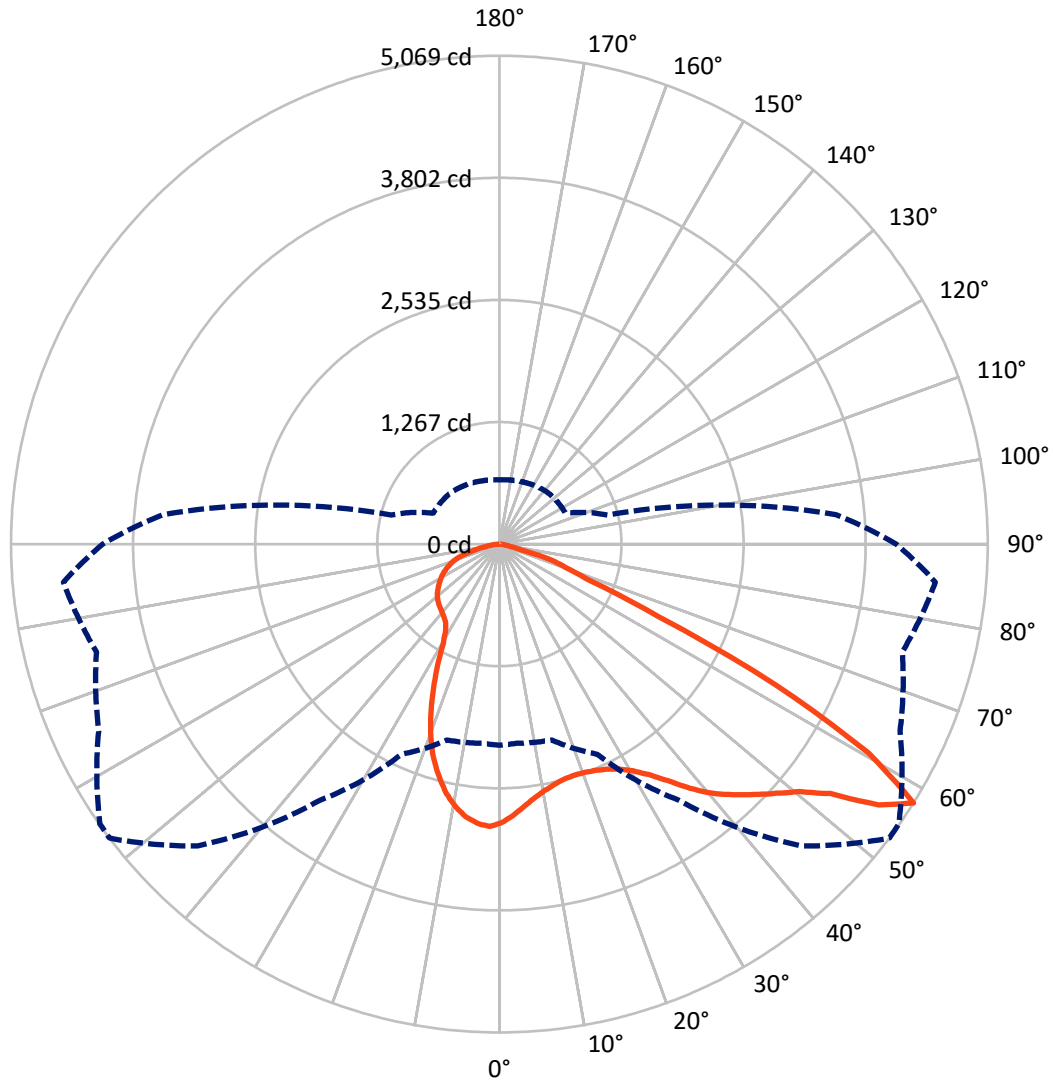
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.9 fc
 Type II - Short - N/A

REPORT NUMBER: P632695
CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632695

CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSWH

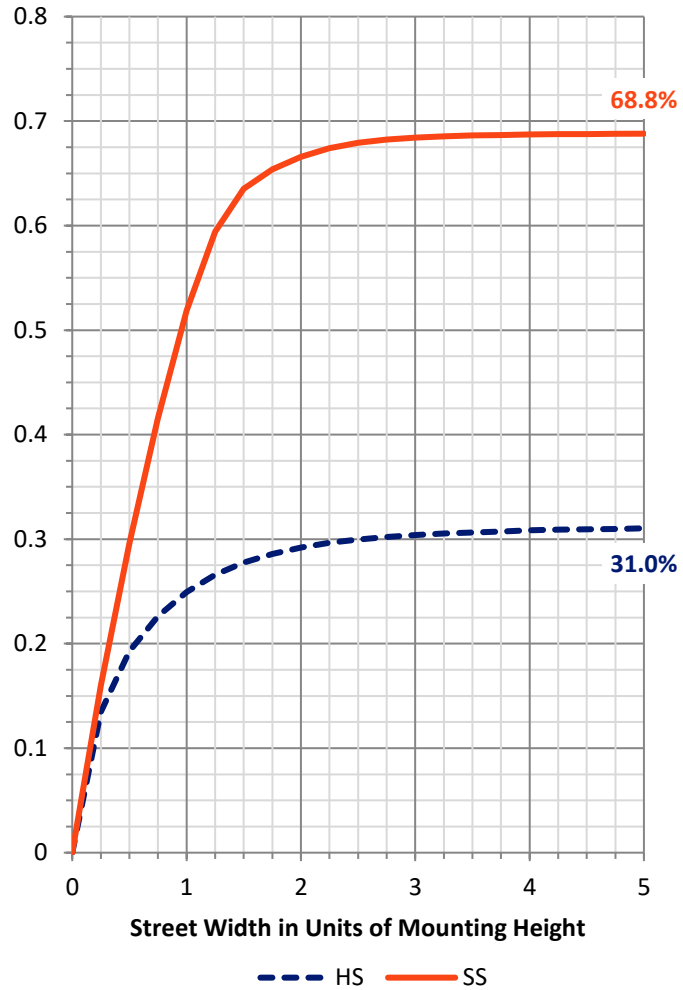
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2831.4	0.0	2831.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6224.4	0.0	6224.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	9055.8	0.0	9055.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.5	2.9
10°-20°	686.1	7.6
20°-30°	1010.8	11.2
30°-40°	1414.9	15.6
40°-50°	1859.9	20.5
50°-60°	2180.8	24.1
60°-70°	1284.7	14.2
70°-80°	319.6	3.5
80°-90°	37.5	0.4
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°	9055.8	100.0
0°-180°	9055.8	100.0

Coefficient of Utilization



REPORT NUMBER: P632695

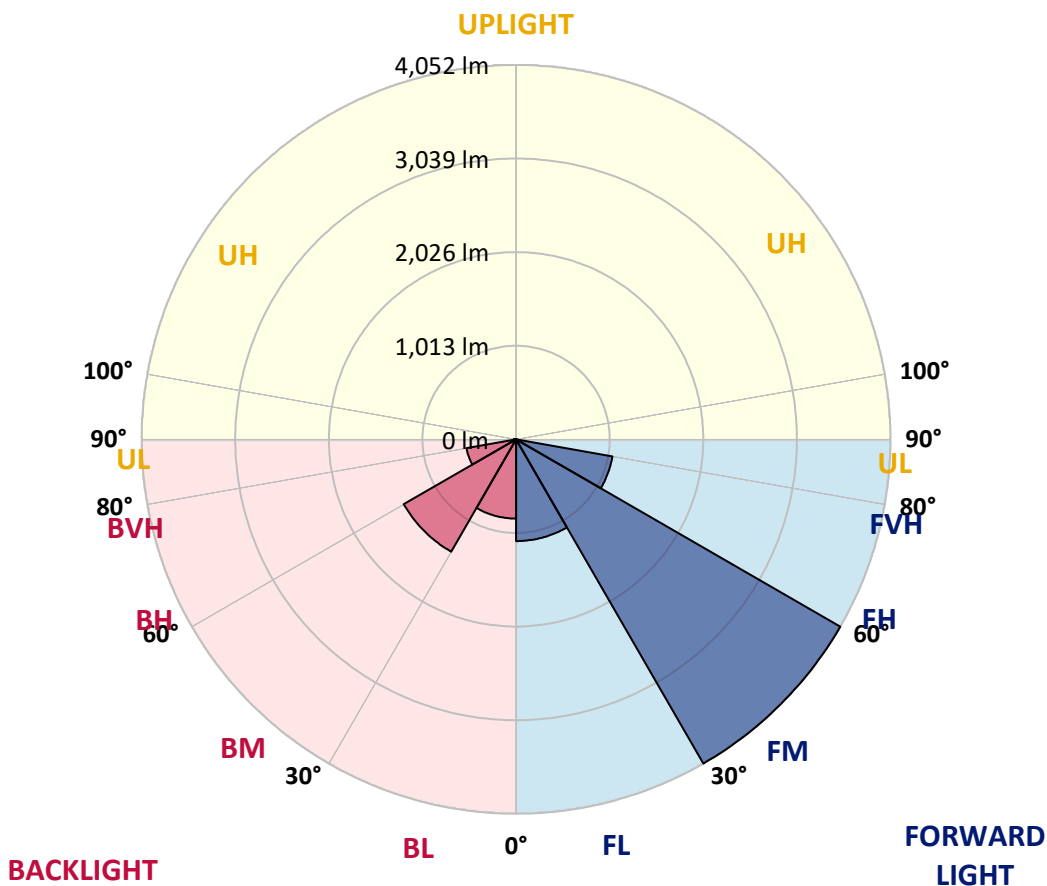
CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1101.0	12.2			
FM (30°-60°)	4051.6	44.7			
FH (60°-80°)	1059.2	11.7			G1/1800
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	857.4	9.5	B2/1000		
BM (30°-60°)	1404.0	15.5	B2/2500		
BH (60°-80°)	545.1	6.0	B2/1000		G2/1000
BVH (80°-90°)	24.9	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 II Short





REPORT NUMBER: P632695

CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8
2.5°	2725.6	2733.2	2734.7	2758.4	2759.9	2794.2	2817.1	2812.5	2836.1	2865.1	2888.0
5°	2595.3	2596.0	2603.7	2631.9	2647.1	2692.1	2730.2	2730.2	2775.9	2835.4	2886.4
7.5°	2487.8	2487.0	2493.9	2525.1	2550.3	2604.4	2656.2	2662.3	2726.4	2813.3	2896.3
10°	2388.0	2393.3	2400.9	2439.0	2471.0	2538.1	2599.8	2609.8	2690.5	2798.0	2910.1
12.5°	2323.9	2324.7	2336.1	2378.8	2420.0	2491.6	2556.4	2568.6	2661.6	2783.5	2920.0
15°	2282.8	2283.5	2295.7	2343.0	2391.0	2463.4	2529.7	2543.4	2644.8	2781.2	2939.0
17.5°	2264.5	2263.7	2275.1	2322.4	2375.0	2450.5	2521.3	2538.1	2652.4	2798.8	2972.6
20°	2264.5	2265.2	2271.3	2314.0	2367.4	2447.4	2529.7	2550.3	2682.2	2838.4	3024.4
22.5°	2296.5	2299.5	2302.6	2331.5	2373.5	2452.0	2551.8	2579.3	2746.2	2904.7	3092.2
25°	2359.0	2359.8	2362.8	2386.4	2405.5	2464.9	2588.4	2629.6	2846.0	3001.5	3177.6
27.5°	2442.8	2453.5	2456.5	2471.8	2471.8	2496.9	2645.6	2705.0	2980.9	3141.0	3286.6
30°	2560.2	2564.0	2569.4	2586.1	2567.8	2557.2	2729.4	2805.6	3137.2	3309.4	3417.7
32.5°	2663.1	2671.5	2700.5	2727.9	2695.1	2661.6	2852.9	2942.8	3287.3	3484.7	3557.2
35°	2750.8	2771.3	2827.0	2888.0	2865.1	2831.5	3016.8	3110.5	3410.8	3610.5	3680.6
37.5°	2856.7	2872.7	2948.9	3048.0	3068.6	3052.6	3216.5	3283.5	3493.1	3642.5	3747.7
40°	2964.2	2988.6	3086.9	3224.1	3302.6	3314.0	3400.9	3445.9	3521.3	3580.0	3734.7
42.5°	3073.9	3115.8	3250.8	3410.8	3550.3	3576.2	3556.4	3575.4	3512.2	3493.9	3674.5
45°	3208.1	3257.6	3410.1	3614.3	3798.0	3838.4	3708.8	3691.3	3510.7	3461.1	3637.2
47.5°	3366.6	3416.2	3561.7	3799.5	4034.3	4064.0	3865.1	3833.1	3564.0	3511.4	3687.5
50°	3506.9	3541.2	3671.5	3937.5	4254.6	4272.1	4037.3	3998.5	3696.6	3650.9	3844.5
52.5°	3364.3	3360.5	3497.7	3825.4	4368.9	4580.0	4302.6	4265.2	3952.7	3882.6	4087.6
55°	2854.4	2811.0	2933.7	3256.1	4049.5	4853.6	4778.2	4703.5	4294.2	4115.8	4315.5
57.5°	2086.9	2074.7	2104.4	2407.0	3243.9	4429.9	5069.3	5062.5	4589.2	4329.3	4542.7
60°	1631.9	1613.6	1534.3	1542.7	2211.1	3460.4	4399.4	4601.4	4772.1	4457.3	4701.2
62.5°	1448.9	1435.2	1394.1	1280.5	1317.1	2320.1	3224.8	3410.1	4170.0	3936.7	4038.1
65°	1199.7	1195.9	1230.2	1225.6	1103.7	1281.2	1820.1	2006.9	2621.9	2654.7	2621.9
67.5°	871.9	865.1	952.0	1123.5	1062.5	967.2	1014.5	1079.3	1344.5	1207.3	1086.9
70°	567.1	557.2	607.5	811.7	951.2	843.0	730.9	720.3	739.3	459.6	497.0
72.5°	380.3	368.9	368.1	446.6	574.7	567.8	566.3	561.0	500.8	362.8	402.4
75°	211.9	202.7	200.5	192.8	205.8	209.6	223.3	230.9	250.0	275.2	304.9
77.5°	35.8	35.1	44.2	56.4	77.7	99.8	123.5	130.3	160.8	190.5	209.6
80°	19.8	20.6	26.7	32.8	43.4	59.5	76.2	80.8	99.1	115.1	130.3
82.5°	10.7	10.7	13.7	17.5	23.6	31.2	41.2	45.0	57.2	67.1	77.7
85°	3.8	3.8	5.3	6.9	9.9	13.0	16.0	18.3	25.2	34.3	38.9
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.0	3.0	3.8	6.9	9.9
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: P632695

CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8	2891.8
2.5°	2907.0	2886.4	2914.6	2927.6	2932.2	2935.2	2915.4	2901.7	2897.1	2882.6	2874.2
5°	2917.7	2904.0	2930.6	2930.6	2911.6	2891.8	2851.4	2823.2	2803.3	2779.7	2775.9
7.5°	2936.0	2926.1	2940.5	2910.8	2862.8	2809.4	2739.3	2684.4	2640.2	2611.3	2612.0
10°	2960.4	2948.2	2936.7	2870.4	2782.8	2684.4	2577.0	2496.9	2423.8	2390.2	2371.9
12.5°	2976.4	2958.8	2910.8	2801.1	2672.2	2540.4	2388.7	2269.8	2163.9	2115.8	2112.0
15°	2996.2	2964.2	2868.1	2711.1	2532.0	2352.1	2157.0	1991.6	1848.3	1773.6	1769.8
17.5°	3022.1	2969.5	2817.1	2608.2	2384.1	2118.9	1873.5	1665.4	1513.0	1455.0	1464.9
20°	3058.7	2975.6	2759.1	2493.9	2200.5	1853.7	1548.0	1356.7	1298.0	1294.2	1286.6
22.5°	3099.8	2979.4	2695.1	2365.8	1977.9	1570.9	1279.0	1197.4	1196.6	1215.7	1220.3
25°	3146.3	2982.5	2622.7	2216.5	1737.0	1288.9	1131.1	1106.7	1125.8	1161.6	1166.2
27.5°	3205.8	2988.6	2535.1	2052.6	1480.9	1113.6	1049.5	1043.4	1066.3	1099.8	1098.3
30°	3293.4	3010.7	2442.1	1864.3	1218.0	1030.5	1000.0	1000.8	1009.9	1025.9	1028.2
32.5°	3382.6	3045.0	2351.4	1652.4	1067.1	983.2	969.5	968.0	968.0	974.8	976.4
35°	3467.2	3083.8	2253.0	1431.4	993.9	955.8	946.6	942.1	939.8	938.3	936.0
37.5°	3514.5	3102.9	2157.0	1213.4	955.0	937.5	928.4	922.3	913.9	907.8	906.2
40°	3493.9	3080.8	2045.7	1050.3	931.4	920.0	909.3	900.9	889.5	884.1	881.1
42.5°	3425.3	3012.2	1924.5	973.3	912.3	900.9	888.0	874.2	866.6	862.0	861.3
45°	3352.9	2929.1	1778.2	928.4	894.1	880.3	865.1	849.8	841.5	839.2	838.4
47.5°	3350.6	2888.0	1622.7	892.5	871.9	858.2	839.2	823.9	814.8	811.7	808.7
50°	3451.2	2929.9	1447.4	861.3	849.1	834.6	813.3	796.5	785.1	781.2	780.5
52.5°	3660.1	3087.6	1290.4	830.0	818.6	801.8	784.3	767.5	753.8	746.9	746.2
55°	3885.7	3288.1	1192.8	798.0	782.8	768.3	752.3	734.0	718.7	708.1	706.6
57.5°	4118.9	3506.9	1163.1	757.6	746.2	736.3	717.2	697.4	679.9	670.0	667.7
60°	4311.0	3695.1	1218.7	714.9	708.8	695.9	678.4	659.3	647.1	639.5	638.0
62.5°	3609.0	3008.4	984.0	668.4	668.4	654.7	634.9	621.2	612.8	607.5	605.9
65°	2290.4	1862.8	671.5	621.9	621.2	602.9	586.1	577.0	573.2	564.8	563.3
67.5°	997.7	851.4	573.9	574.7	571.6	551.8	535.1	528.2	520.6	511.4	510.7
70°	517.5	527.4	513.7	522.1	516.8	493.1	477.1	466.5	450.5	441.3	442.1
72.5°	417.7	428.4	443.6	456.6	445.1	426.1	400.9	388.0	367.4	357.5	358.2
75°	318.6	330.0	344.5	358.2	349.1	325.5	309.5	296.5	272.9	261.4	263.7
77.5°	219.5	225.6	243.1	242.4	239.3	232.5	208.8	193.6	169.2	155.5	157.0
80°	136.4	140.2	148.6	152.4	150.9	141.8	122.7	111.3	96.8	88.4	89.2
82.5°	82.3	84.6	92.2	93.0	92.2	85.4	70.9	62.5	53.4	48.8	48.8
85°	41.9	43.4	48.0	48.0	43.4	36.6	32.8	29.0	23.6	21.3	21.3
87.5°	11.4	11.4	14.5	12.2	9.9	9.1	4.6	3.8	1.5	0.8	0.8
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)