

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: P632891

Luminaire Tested: GWS-SA2D-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-750-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

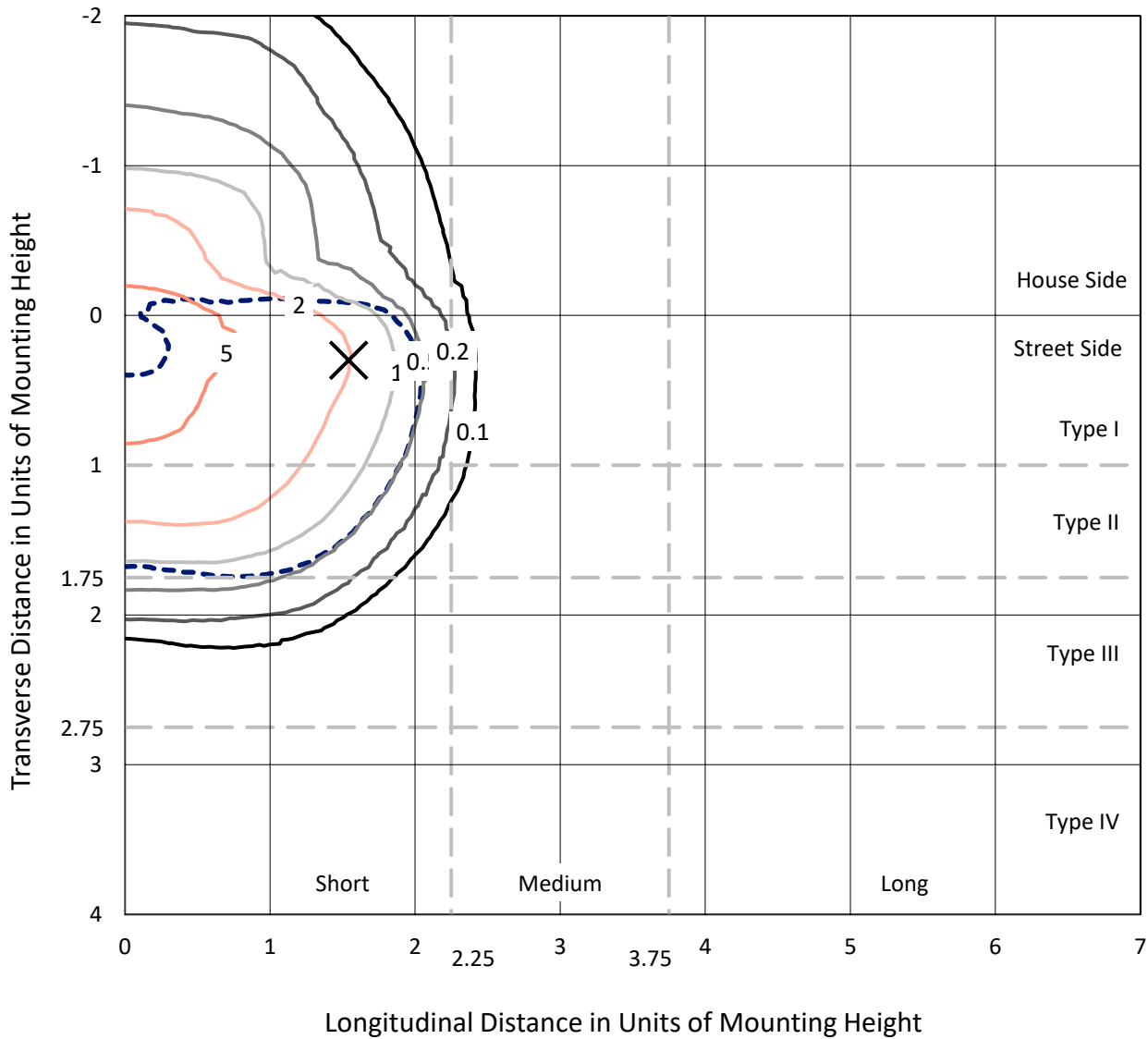
Lumens per Lamp: N/A  
Luminaire Lumens: 10471.4 lumens  
Efficiency: N/A  
Efficacy: 127.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P632891  
 CATALOG NUMBER: GWS-SA2D-750-U-T3R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

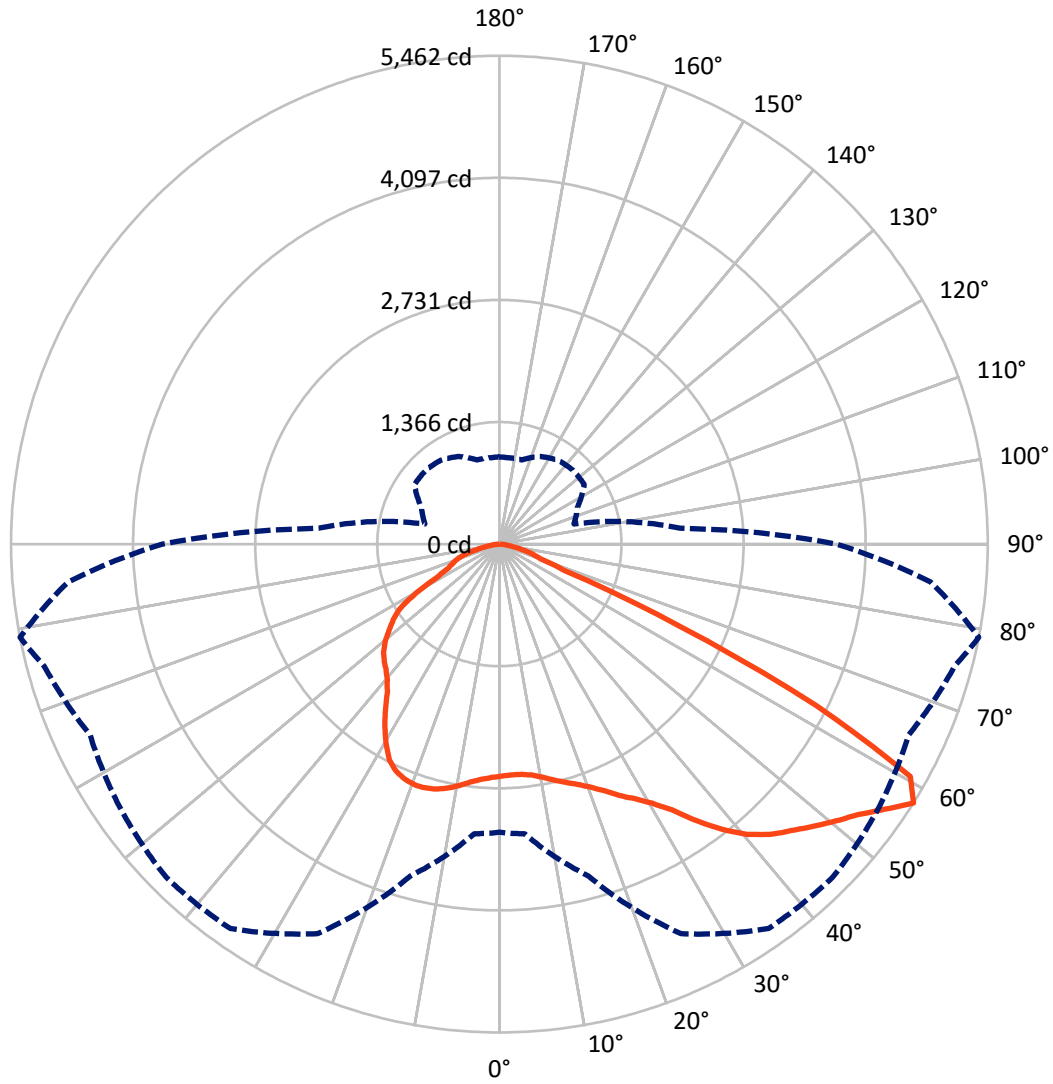
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P632891  
CATALOG NUMBER: GWS-SA2D-750-U-T3R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632891

CATALOG NUMBER: GWS-SA2D-750-U-T3R-W-GRSWH

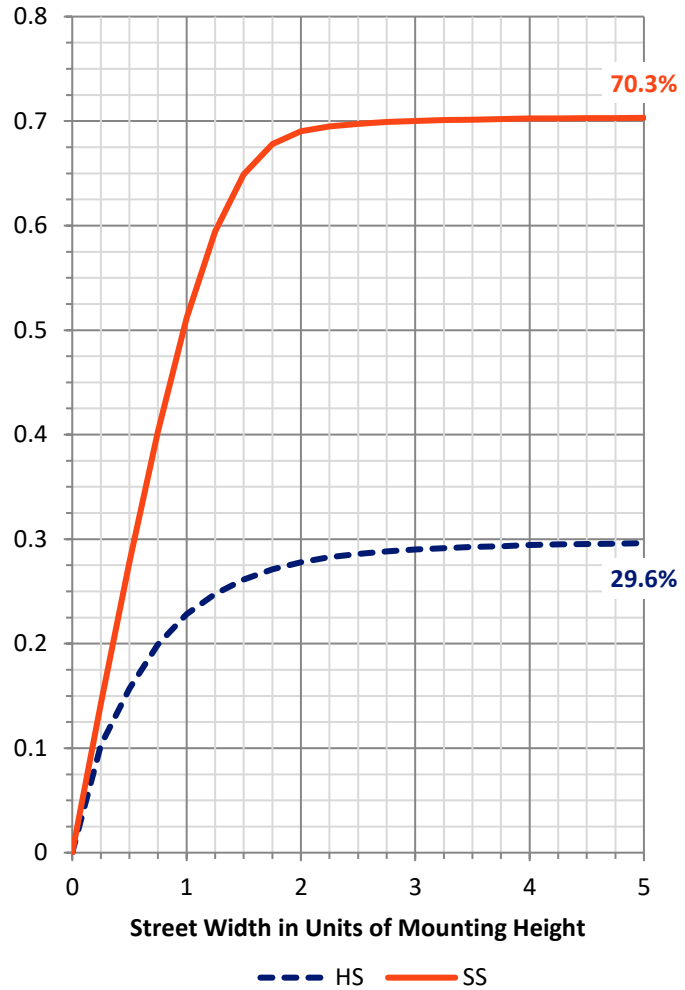
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3112.7	0.0	3112.7
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	7358.7	0.0	7358.7
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	10471.4	0.0	10471.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.3	2.3
10°-20°	667.9	6.4
20°-30°	1132.1	10.8
30°-40°	1732.8	16.5
40°-50°	2310.5	22.1
50°-60°	2668.4	25.5
60°-70°	1386.6	13.2
70°-80°	294.8	2.8
80°-90°	38.2	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°	10471.4	100.0
0°-180°	10471.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632891

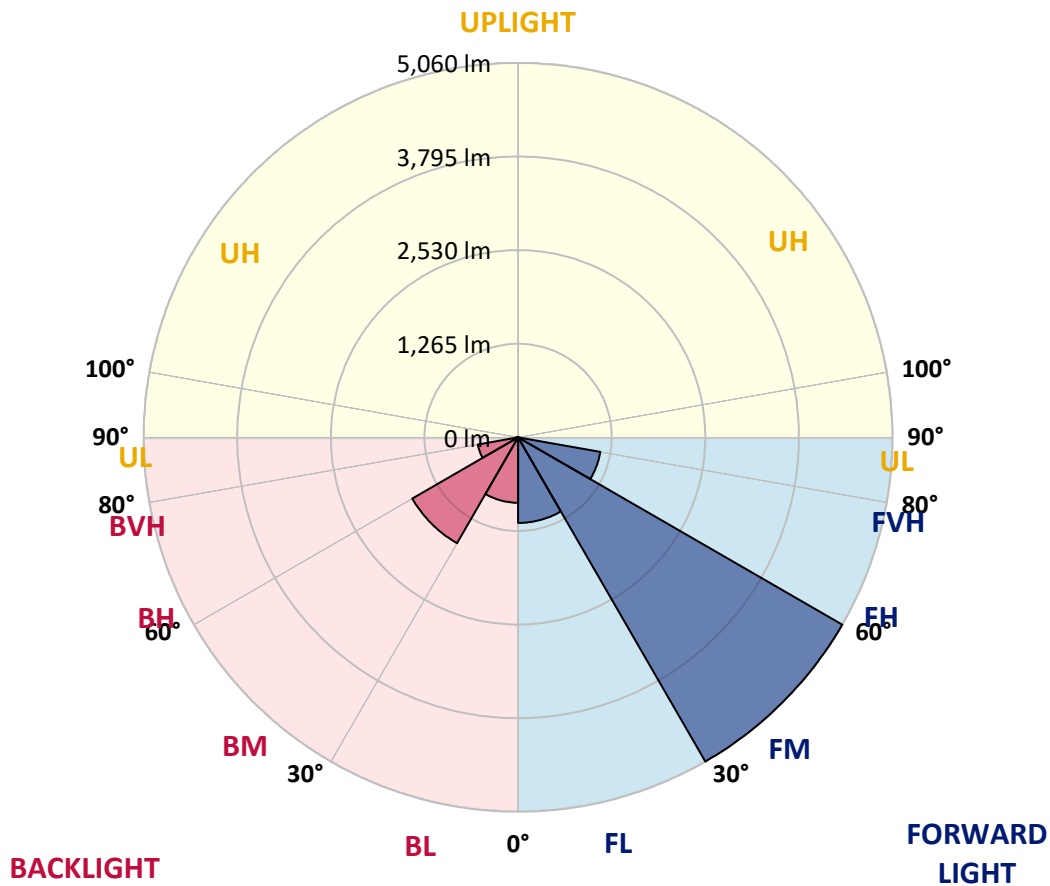
CATALOG NUMBER: GWS-SA2D-750-U-T3R-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1156.3	11.0			
FM (30°-60°)	5060.1	48.3			
FH (60°-80°)	1129.1	10.8			G1/1800
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	884.0	8.4	B2/1000		
BM (30°-60°)	1651.6	15.8	B2/2500		
BH (60°-80°)	552.3	5.3	B2/1000		G2/1000
BVH (80°-90°)	24.9	0.2			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: P632891

CATALOG NUMBER: GWS-SA2D-750-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1
2.5°	2476.9	2471.8	2473.5	2480.3	2506.0	2524.8	2544.5	2562.5	2579.6	2584.8	2589.1
5°	2388.7	2379.3	2381.9	2393.0	2423.0	2454.6	2489.7	2532.6	2573.7	2587.3	2605.3
7.5°	2326.2	2324.5	2328.8	2345.9	2377.6	2407.6	2452.9	2513.7	2584.8	2607.9	2639.6
10°	2243.2	2239.7	2256.9	2292.0	2344.2	2392.1	2446.1	2518.0	2617.3	2651.6	2700.4
12.5°	2177.2	2175.5	2193.5	2242.3	2309.1	2385.3	2459.8	2540.3	2661.0	2708.1	2768.0
15°	2215.8	2208.1	2208.9	2243.2	2303.1	2393.0	2494.0	2580.5	2704.6	2764.6	2841.6
17.5°	2327.9	2314.2	2304.0	2309.9	2344.2	2437.5	2546.3	2634.4	2755.2	2825.4	2919.5
20°	2482.9	2475.2	2446.9	2428.1	2435.8	2518.0	2628.4	2710.6	2821.1	2899.9	3000.9
22.5°	2690.9	2672.1	2633.6	2603.6	2580.5	2644.7	2746.6	2817.7	2912.7	2994.9	3100.2
25°	2948.7	2921.3	2860.5	2813.4	2763.7	2829.6	2920.4	2974.3	3038.6	3114.8	3214.9
27.5°	3211.5	3188.4	3120.7	3057.4	2995.7	3036.8	3144.7	3175.5	3168.7	3224.3	3310.0
30°	3491.5	3462.4	3398.1	3329.6	3250.0	3276.6	3373.3	3388.7	3316.0	3362.2	3420.4
32.5°	3786.8	3758.6	3702.9	3623.3	3533.4	3543.7	3570.2	3584.8	3515.4	3542.0	3586.5
35°	4087.4	4060.8	4004.3	3925.5	3859.6	3797.1	3730.3	3788.6	3748.3	3799.7	3796.3
37.5°	4362.2	4335.7	4300.5	4239.8	4126.7	4003.5	3849.3	3921.3	3983.8	4048.8	4037.7
40°	4548.0	4530.0	4538.6	4529.1	4383.6	4139.6	3907.6	3986.3	4156.7	4268.0	4262.0
42.5°	4708.1	4690.1	4739.8	4775.7	4604.5	4265.4	3935.8	4011.2	4267.2	4441.0	4432.4
45°	4779.1	4774.0	4856.2	4970.1	4806.5	4399.0	4008.6	4062.5	4351.1	4573.7	4541.1
47.5°	4694.4	4712.4	4874.2	5066.8	4974.4	4557.4	4157.6	4171.3	4460.7	4717.5	4625.9
50°	4525.7	4565.1	4783.4	5069.4	5096.8	4736.3	4363.9	4329.7	4607.9	4870.8	4670.4
52.5°	4280.0	4321.1	4677.3	5049.7	5167.0	4943.5	4638.7	4589.9	4793.7	5024.0	4678.1
55°	3715.8	3771.4	4434.1	5005.2	5235.5	5131.9	4948.7	4849.4	5033.4	5234.6	4754.3
57.5°	3223.5	3252.6	3841.6	4807.4	5249.2	5270.6	5169.6	5051.4	5271.4	5462.4	4839.9
60°	2365.6	2372.5	2902.4	3977.8	4828.8	5190.1	5151.6	4976.1	5158.4	5280.0	4447.8
62.5°	1336.5	1337.3	1760.3	2655.0	3607.0	4230.3	4254.3	4099.3	3946.1	3982.1	3095.9
65°	501.7	548.8	803.9	1304.8	2079.6	2497.5	2596.8	2632.7	2377.6	2219.2	1660.1
67.5°	335.6	346.7	469.2	671.2	925.5	1068.5	1195.2	1198.6	876.7	781.7	654.1
70°	256.0	267.1	369.0	480.3	469.2	433.2	468.3	455.5	470.9	483.7	497.4
72.5°	190.9	202.1	286.0	339.0	281.7	277.4	314.2	349.3	381.9	395.6	417.0
75°	126.7	135.3	192.6	181.5	155.8	184.1	229.5	264.6	283.4	299.7	315.9
77.5°	80.5	86.5	102.7	83.0	86.5	107.9	133.6	165.2	183.2	199.5	208.0
80°	36.8	36.0	35.1	39.4	48.8	63.4	80.5	99.3	113.0	119.9	125.0
82.5°	14.6	16.3	18.0	21.4	26.5	34.2	45.4	58.2	69.3	71.1	75.3
85°	6.0	6.8	7.7	9.4	12.0	15.4	18.8	26.5	33.4	36.0	38.5
87.5°	0.0	0.0	0.0	0.0	0.9	1.7	2.6	4.3	7.7	8.6	9.4
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: P632891

CATALOG NUMBER: GWS-SA2D-750-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1	2595.1
2.5°	2612.2	2601.0	2619.9	2632.7	2644.7	2631.9	2627.6	2616.5	2614.7	2614.7	2620.7
5°	2636.2	2628.4	2648.1	2655.8	2655.0	2626.7	2609.6	2587.3	2576.2	2576.2	2577.9
7.5°	2679.0	2674.7	2685.8	2673.8	2646.4	2589.1	2532.6	2485.5	2453.8	2437.5	2442.7
10°	2750.0	2744.9	2735.5	2690.9	2612.2	2493.2	2377.6	2292.0	2240.6	2211.5	2213.2
12.5°	2819.4	2810.8	2777.4	2679.0	2517.1	2327.9	2176.4	2080.5	2024.0	1989.7	1982.0
15°	2895.6	2873.3	2801.4	2617.3	2362.2	2125.9	1967.5	1863.9	1803.1	1782.5	1781.7
17.5°	2968.3	2929.0	2798.8	2507.7	2176.4	1914.4	1755.2	1690.9	1680.7	1690.1	1692.7
20°	3042.0	2978.6	2770.6	2356.2	1955.5	1703.8	1621.6	1648.1	1686.7	1712.3	1718.3
22.5°	3118.2	3019.7	2706.4	2161.0	1722.6	1561.7	1595.9	1654.1	1702.1	1736.3	1739.7
25°	3203.8	3058.2	2610.5	1922.1	1536.0	1522.3	1589.9	1651.6	1702.9	1742.3	1749.2
27.5°	3252.6	3059.1	2476.0	1676.4	1450.4	1506.9	1575.4	1633.6	1684.9	1727.8	1735.5
30°	3300.5	3036.0	2262.9	1476.9	1425.5	1488.9	1550.5	1604.5	1653.3	1695.2	1704.6
32.5°	3368.2	3014.6	2017.1	1362.2	1411.0	1471.8	1522.3	1570.2	1607.9	1626.7	1631.9
35°	3452.1	2987.2	1756.0	1312.5	1401.6	1458.1	1502.6	1528.3	1479.5	1469.2	1480.3
37.5°	3569.4	2961.5	1495.7	1291.1	1395.6	1452.9	1492.3	1426.4	1366.4	1342.5	1351.0
40°	3696.1	2946.9	1319.4	1274.0	1398.1	1458.1	1449.5	1351.9	1265.4	1214.9	1213.2
42.5°	3804.0	2924.7	1206.3	1262.9	1405.0	1477.8	1391.3	1286.0	1157.5	1127.6	1128.4
45°	3876.7	2868.2	1146.4	1250.9	1411.0	1482.0	1363.9	1195.2	1103.6	1084.8	1083.9
47.5°	3906.7	2765.4	1107.9	1232.0	1410.1	1446.9	1308.2	1157.5	1065.9	1060.8	1064.2
50°	3887.0	2596.8	1068.5	1195.2	1389.6	1410.1	1244.0	1124.2	1040.2	1068.5	1089.0
52.5°	3814.2	2378.4	1021.4	1144.7	1352.8	1368.2	1211.5	1103.6	1021.4	1059.1	1075.4
55°	3795.4	2201.2	961.5	1078.8	1298.0	1293.7	1177.2	1093.3	1008.6	994.0	996.6
57.5°	3770.6	2028.3	862.2	960.6	1159.3	1166.1	1144.7	1081.3	975.2	970.9	975.2
60°	3275.7	1554.8	768.8	828.8	952.1	988.9	1107.9	1059.1	921.2	903.3	902.4
62.5°	2139.6	941.8	684.1	722.6	775.7	818.5	1010.3	994.9	862.2	851.0	858.7
65°	1150.7	671.2	622.4	645.6	674.7	707.2	837.3	886.1	779.1	739.7	740.6
67.5°	588.2	571.1	576.2	592.5	614.7	631.0	675.5	718.3	664.4	631.0	630.1
70°	503.4	517.1	524.8	534.3	548.8	546.2	550.5	558.2	553.9	537.7	536.8
72.5°	428.9	450.3	452.1	453.8	458.9	446.9	439.2	426.4	427.2	429.8	430.7
75°	326.2	346.7	351.9	349.3	354.5	339.0	328.8	315.9	300.5	297.9	299.7
77.5°	212.3	228.6	236.3	234.6	237.2	225.2	220.0	206.3	188.4	181.5	181.5
80°	128.4	137.8	143.8	145.5	148.1	139.6	131.0	119.0	111.3	103.6	103.6
82.5°	77.9	83.9	88.2	88.2	90.8	81.3	74.5	65.9	62.5	55.7	55.7
85°	39.4	43.7	45.4	44.5	42.8	35.1	32.5	28.3	26.5	23.1	23.1
87.5°	9.4	12.0	12.0	8.6	8.6	4.3	2.6	0.9	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)