

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: P639544

Luminaire Tested: GWS-SA5C-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17552.1 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

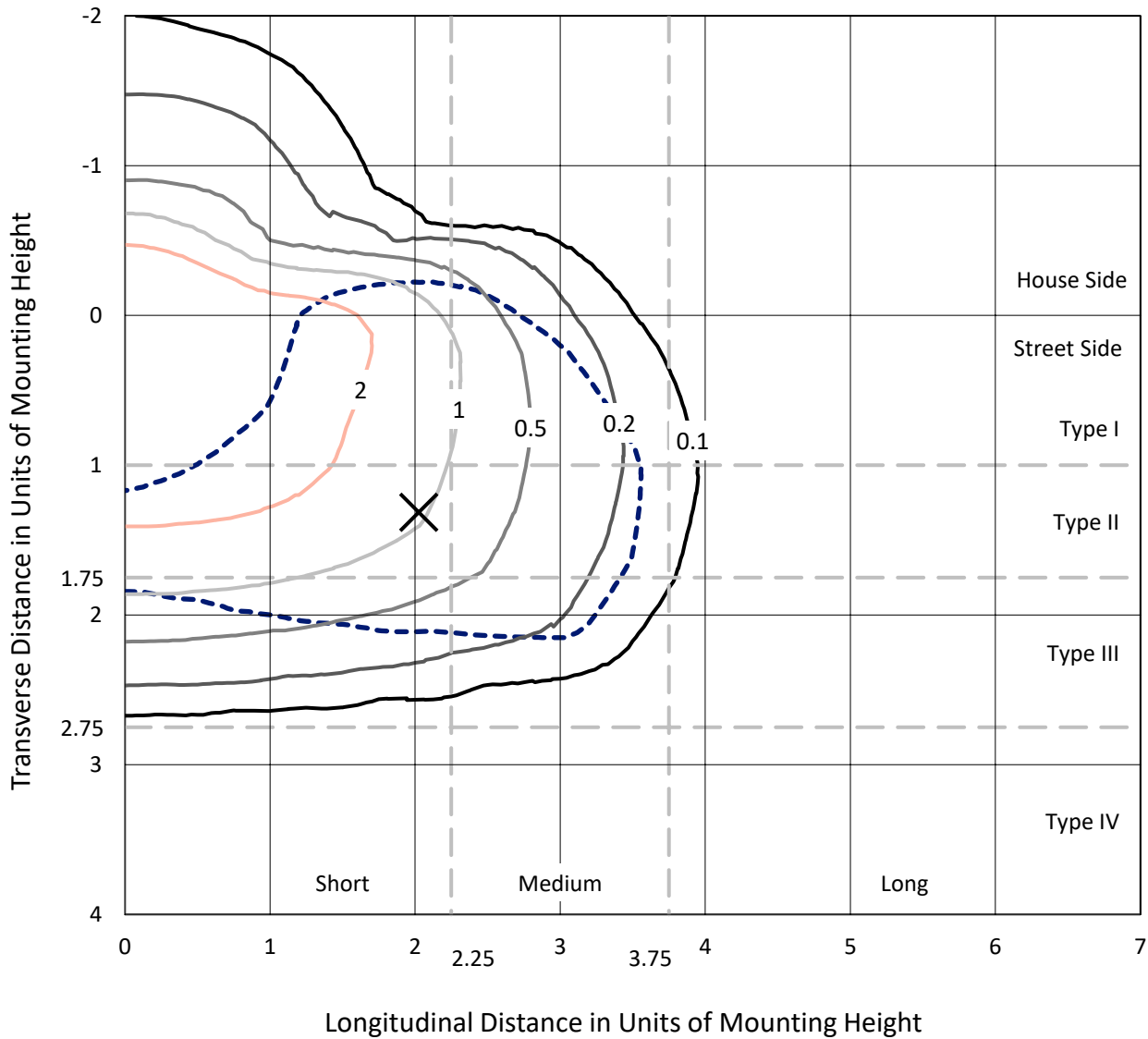
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639544
 CATALOG NUMBER: GWS-SA5C-722-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

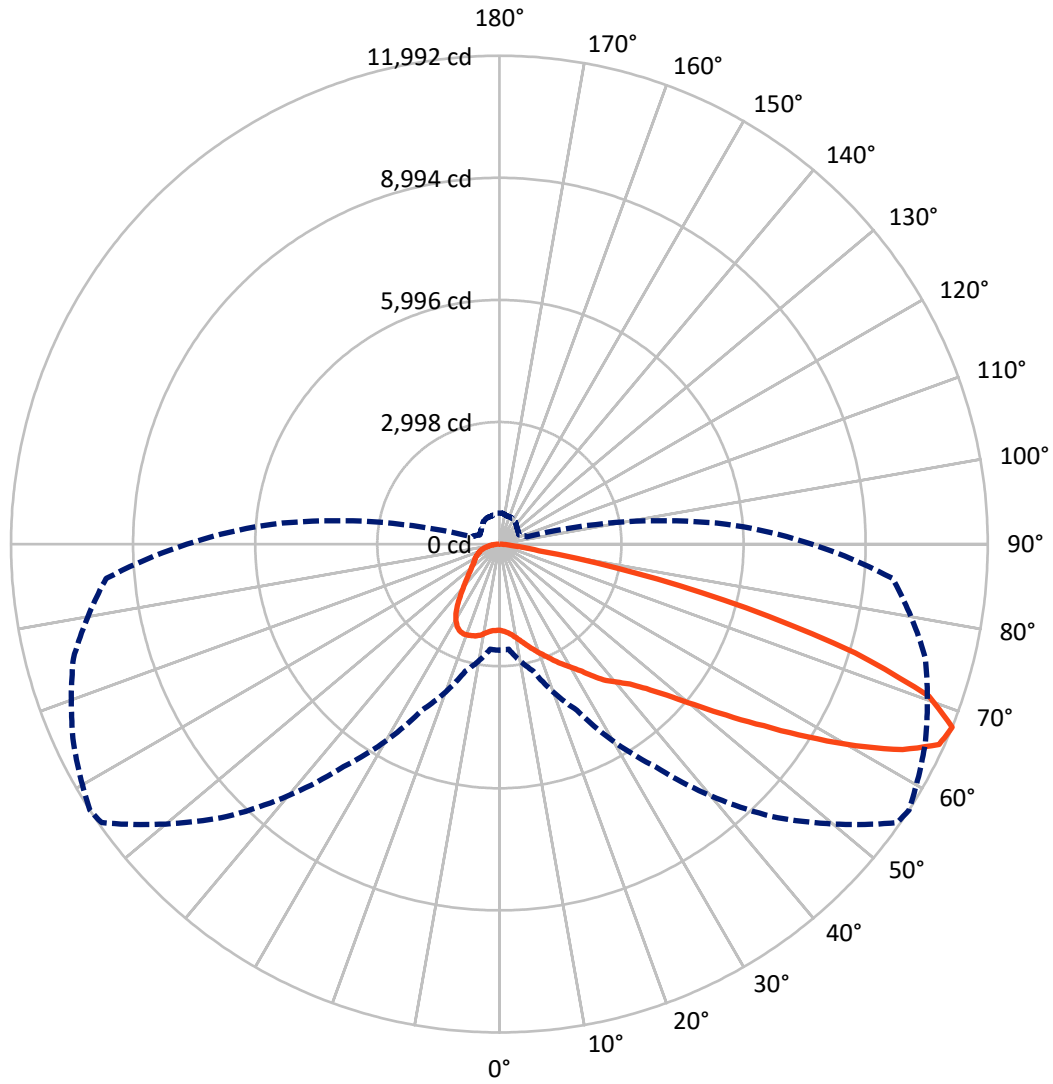
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

REPORT NUMBER: P639544
CATALOG NUMBER: GWS-SA5C-722-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639544

CATALOG NUMBER: GWS-SA5C-722-U-T3-W

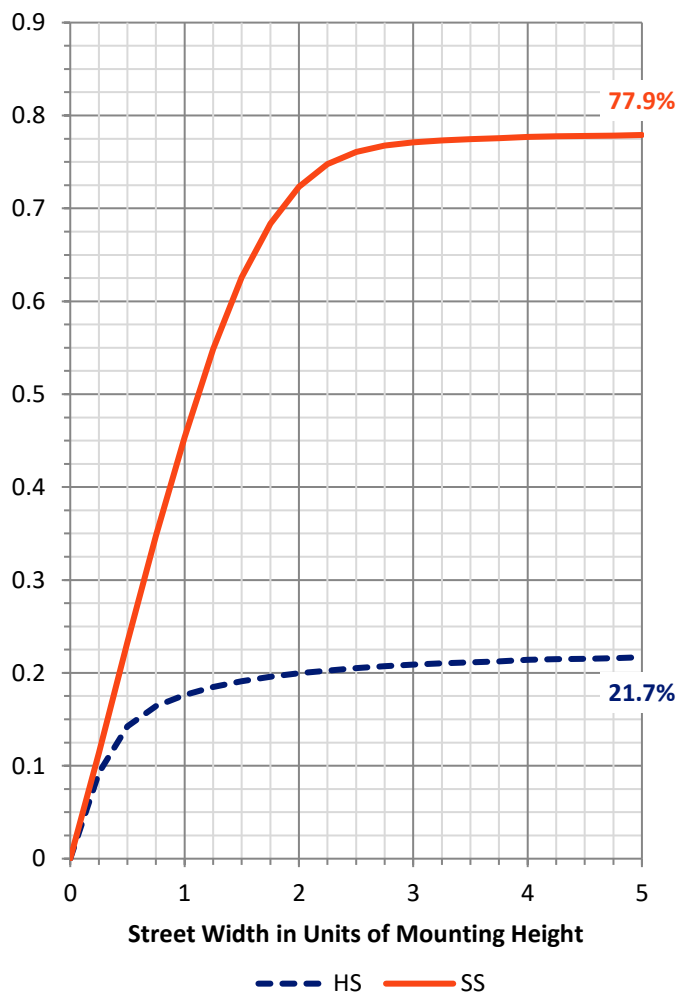
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3859.0	0.0	3859.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13693.1	0.0	13693.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	17552.1	0.0	17552.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	1.2
10°-20°	694.4	4.0
20°-30°	1238.0	7.1
30°-40°	1799.9	10.3
40°-50°	2605.0	14.8
50°-60°	4076.7	23.2
60°-70°	4755.8	27.1
70°-80°	1985.3	11.3
80°-90°	187.3	1.1
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°	17552.1	100.0
0°-180°	17552.1	100.0

Coefficient of Utilization



REPORT NUMBER: P639544

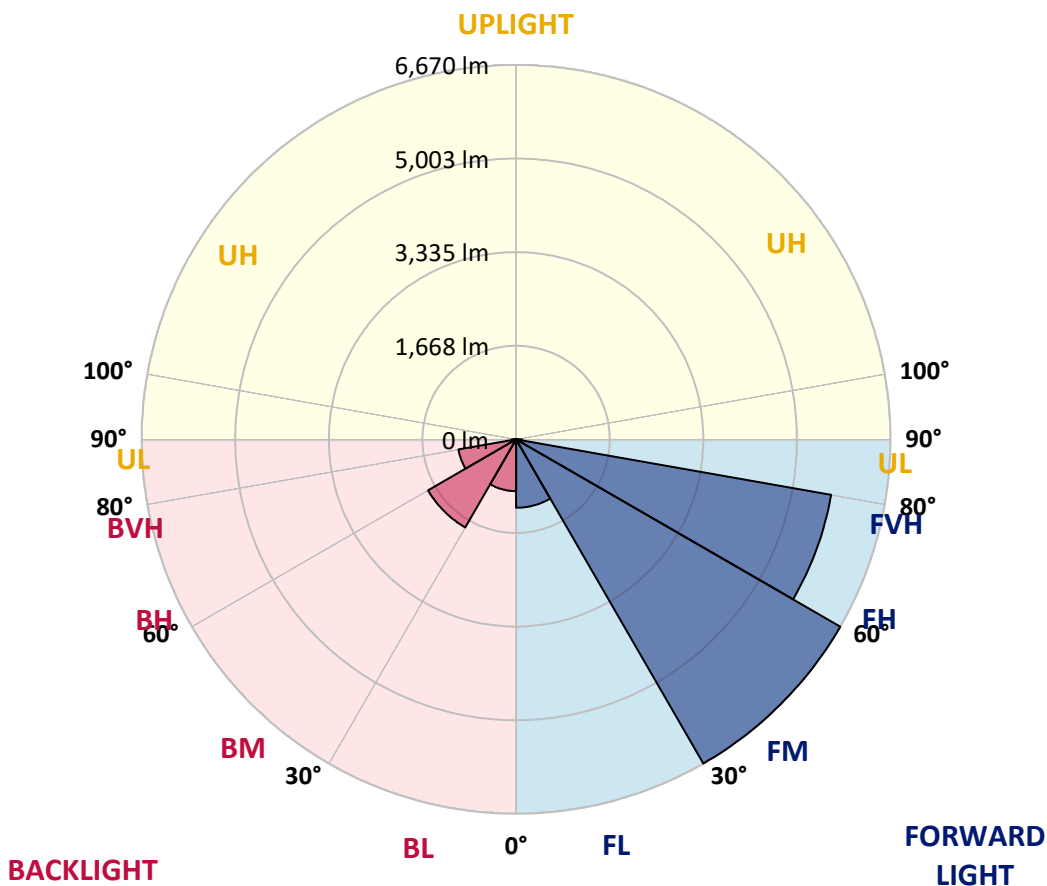
CATALOG NUMBER: GWS-SA5C-722-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.2	6.9			
FM (30°-60°)	6670.1	38.0			
FH (60°-80°)	5699.5	32.5			G3/7500
FVH (80°-90°)	104.4	0.6			G2/225
BL (0°-30°)	923.0	5.3	B2/1000		
BM (30°-60°)	1811.5	10.3	B2/2500		
BH (60°-80°)	1041.6	5.9	B3/2500		G3/2500
BVH (80°-90°)	83.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P639544
 CATALOG NUMBER: GWS-SA5C-722-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9
2.5°	2145.1	2142.6	2141.3	2148.9	2146.3	2145.1	2145.1	2143.8	2141.3	2131.3	2117.4
5°	2204.2	2199.2	2194.1	2200.4	2195.4	2190.4	2189.1	2186.6	2177.8	2162.7	2141.3
7.5°	2265.8	2260.8	2262.0	2265.8	2262.0	2259.5	2255.7	2253.2	2239.4	2215.5	2186.6
10°	2352.6	2352.6	2355.1	2358.8	2360.1	2356.3	2348.8	2345.0	2328.7	2298.5	2258.2
12.5°	2478.3	2475.8	2475.8	2473.3	2477.0	2473.3	2465.7	2459.4	2439.3	2400.3	2342.5
15°	2644.3	2634.2	2625.4	2609.1	2604.0	2590.2	2592.7	2588.9	2570.1	2517.3	2444.3
17.5°	2821.6	2820.3	2806.5	2773.8	2741.1	2718.4	2723.5	2722.2	2712.2	2640.5	2547.4
20°	2977.5	2983.8	2971.2	2946.0	2902.0	2859.3	2856.8	2863.0	2850.5	2778.8	2649.3
22.5°	3152.2	3147.2	3134.6	3101.9	3069.3	3024.0	3008.9	3003.9	2998.8	2917.1	2753.7
25°	3318.2	3333.3	3317.0	3286.8	3236.5	3187.5	3174.9	3179.9	3166.1	3057.9	2865.6
27.5°	3528.2	3534.5	3524.4	3482.9	3440.2	3371.0	3347.1	3347.1	3342.1	3190.0	2953.6
30°	3752.0	3769.6	3752.0	3718.1	3674.1	3574.7	3523.2	3518.1	3503.1	3325.8	3056.7
32.5°	3977.1	3989.7	3977.1	3944.4	3894.1	3807.3	3733.2	3721.8	3701.7	3474.1	3162.3
35°	4177.0	4188.3	4185.8	4193.4	4151.9	4042.5	3997.2	3992.2	3939.4	3667.8	3305.6
37.5°	4395.8	4409.6	4390.8	4405.8	4389.5	4286.4	4272.6	4247.4	4172.0	3850.1	3456.5
40°	4644.8	4657.3	4627.1	4633.4	4614.6	4556.7	4486.3	4452.4	4340.5	4047.5	3694.2
42.5°	4911.3	4940.2	4954.1	4942.8	4898.7	4866.0	4742.8	4700.1	4607.0	4403.3	4085.2
45°	5297.3	5340.1	5360.2	5331.3	5312.4	5265.9	5115.0	5063.5	5014.4	4905.0	4630.9
47.5°	5713.5	5752.5	5816.6	5829.2	5844.3	5809.1	5596.6	5546.3	5555.1	5542.5	5302.4
50°	6045.5	6078.2	6222.8	6377.4	6505.7	6515.7	6244.1	6190.1	6237.8	6278.1	6110.9
52.5°	6286.9	6315.8	6506.9	6826.3	7116.8	7331.8	7038.8	6977.2	7016.2	7106.7	7030.0
55°	6483.0	6523.3	6723.2	7213.6	7800.8	8140.3	7952.9	7875.0	7858.6	7970.5	8014.5
57.5°	6586.1	6598.7	6879.1	7516.6	8302.5	8933.7	9015.4	8927.4	8771.5	8833.1	9061.9
60°	6351.0	6372.4	6755.9	7594.6	8698.5	9720.8	10130.7	10057.8	9725.8	9759.8	10012.5
62.5°	5700.9	5731.1	6192.6	7223.6	8731.2	10246.4	11160.5	11114.0	10668.8	10485.3	10560.7
65°	4573.1	4583.1	5060.9	6305.7	8081.2	10311.8	11878.4	11867.1	11327.7	10897.7	10574.5
67.5°	2607.8	2590.2	3228.9	4497.6	6669.1	9461.8	11925.0	11991.6	11541.5	10829.8	9694.4
70°	1130.4	1132.9	1427.1	2219.3	4316.6	7647.4	11076.2	11190.7	10922.8	9699.4	7712.8
72.5°	523.1	530.6	657.6	960.6	1843.3	4744.1	9031.7	9134.8	8904.7	7763.0	5611.7
75°	369.7	376.0	438.8	550.7	847.5	1848.3	6041.7	6258.0	6369.9	5806.6	3697.9
77.5°	280.4	289.2	320.6	382.2	523.1	655.1	2890.7	3406.2	4057.6	3612.4	1904.9
80°	178.5	178.5	212.5	255.2	319.4	340.7	834.9	989.6	1985.4	1488.7	748.1
82.5°	120.7	124.5	144.6	162.2	183.6	193.6	358.4	382.2	573.4	506.7	308.1
85°	64.1	66.6	75.4	74.2	88.0	76.7	150.9	149.6	210.0	230.1	116.9
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	16.3	17.6	44.0	70.4	39.0
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: P639544
 CATALOG NUMBER: GWS-SA5C-722-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9	2114.9
2.5°	2125.0	2109.9	2117.4	2114.9	2122.5	2122.5	2108.6	2104.8	2106.1	2091.0	2086.0
5°	2143.8	2126.2	2130.0	2125.0	2132.5	2138.8	2132.5	2132.5	2140.1	2128.7	2122.5
7.5°	2186.6	2166.5	2166.5	2160.2	2169.0	2174.0	2169.0	2176.5	2190.4	2179.0	2172.7
10°	2254.5	2230.6	2231.8	2224.3	2228.1	2225.6	2205.4	2199.2	2202.9	2192.9	2187.8
12.5°	2342.5	2309.8	2309.8	2294.7	2285.9	2259.5	2218.0	2202.9	2205.4	2196.6	2192.9
15°	2426.7	2396.6	2390.3	2360.1	2319.9	2270.8	2233.1	2223.0	2225.6	2216.8	2210.5
17.5°	2526.1	2487.1	2464.5	2409.1	2334.9	2284.7	2246.9	2223.0	2202.9	2182.8	2177.8
20°	2617.9	2568.8	2527.3	2441.8	2351.3	2282.1	2211.7	2152.6	2103.6	2077.2	2070.9
22.5°	2712.2	2649.3	2576.4	2464.5	2350.0	2236.9	2107.4	2018.1	1945.2	1906.2	1913.7
25°	2801.4	2722.2	2622.9	2485.8	2309.8	2136.3	1960.3	1827.0	1744.0	1713.8	1705.0
27.5°	2875.6	2777.5	2665.6	2475.8	2226.8	1991.7	1759.1	1610.7	1530.2	1496.3	1487.5
30°	2958.6	2848.0	2727.3	2429.3	2096.0	1789.2	1531.5	1410.8	1352.9	1320.2	1321.5
32.5°	3054.2	2938.5	2814.0	2340.0	1928.8	1570.5	1344.1	1261.1	1214.6	1181.9	1176.9
35°	3182.4	3068.0	2871.8	2205.4	1716.3	1369.3	1215.9	1148.0	1090.1	1047.4	1038.6
37.5°	3340.9	3262.9	2878.1	2025.6	1488.7	1231.0	1124.1	1051.2	980.8	924.2	917.9
40°	3612.4	3523.2	2826.6	1800.6	1295.1	1141.7	1047.4	963.2	881.4	818.6	809.8
42.5°	3999.7	3816.1	2715.9	1546.6	1149.2	1071.3	974.5	867.6	784.6	740.6	734.3
45°	4492.6	4143.1	2550.0	1307.7	1041.1	1002.1	897.8	785.9	741.9	710.4	704.1
47.5°	5096.2	4524.0	2358.8	1121.6	956.9	939.3	819.8	758.2	719.2	692.8	686.5
50°	5817.9	5009.4	2201.7	975.7	881.4	866.3	794.7	741.9	710.4	689.0	684.0
52.5°	6641.5	5548.8	2125.0	871.4	816.0	800.9	785.9	738.1	711.7	695.3	689.0
55°	7496.5	6117.1	2053.3	790.9	760.7	769.5	787.1	750.7	730.5	709.2	702.9
57.5°	8322.6	6650.3	1877.3	728.0	720.5	754.4	793.4	763.2	739.3	718.0	710.4
60°	8892.2	6942.0	1579.3	677.7	690.3	735.6	777.1	744.4	714.2	705.4	701.6
62.5°	9045.6	6906.8	1225.9	626.2	653.8	694.1	734.3	712.9	681.5	695.3	696.6
65°	8687.2	6529.6	920.4	575.9	606.1	640.0	690.3	681.5	670.2	707.9	709.2
67.5°	7672.5	5602.9	701.6	531.9	557.0	598.5	676.5	712.9	715.4	763.2	758.2
70°	5805.3	4185.8	549.5	490.4	519.3	598.5	720.5	736.8	706.6	750.7	740.6
72.5°	4013.5	2762.5	467.7	453.9	472.8	570.8	719.2	719.2	686.5	686.5	667.7
75°	2493.4	1624.5	407.4	407.4	407.4	499.2	699.1	662.6	604.8	578.4	563.3
77.5°	1231.0	789.6	342.0	354.6	340.7	417.4	570.8	541.9	506.7	479.1	469.0
80°	525.6	394.8	276.6	290.5	274.1	314.3	452.7	446.4	412.4	376.0	364.6
82.5°	241.4	203.7	221.3	227.6	199.9	236.4	330.7	330.7	311.8	261.5	242.7
85°	103.1	108.1	153.4	153.4	125.7	133.3	177.3	168.5	150.9	123.2	113.2
87.5°	35.2	52.8	78.0	67.9	26.4	11.3	6.3	2.5	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)