

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: STREETWORKS

Report Number: P386779

Luminaire Tested: GAW-SA2C-727-U-SL3

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-727-U-SL3
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12346 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

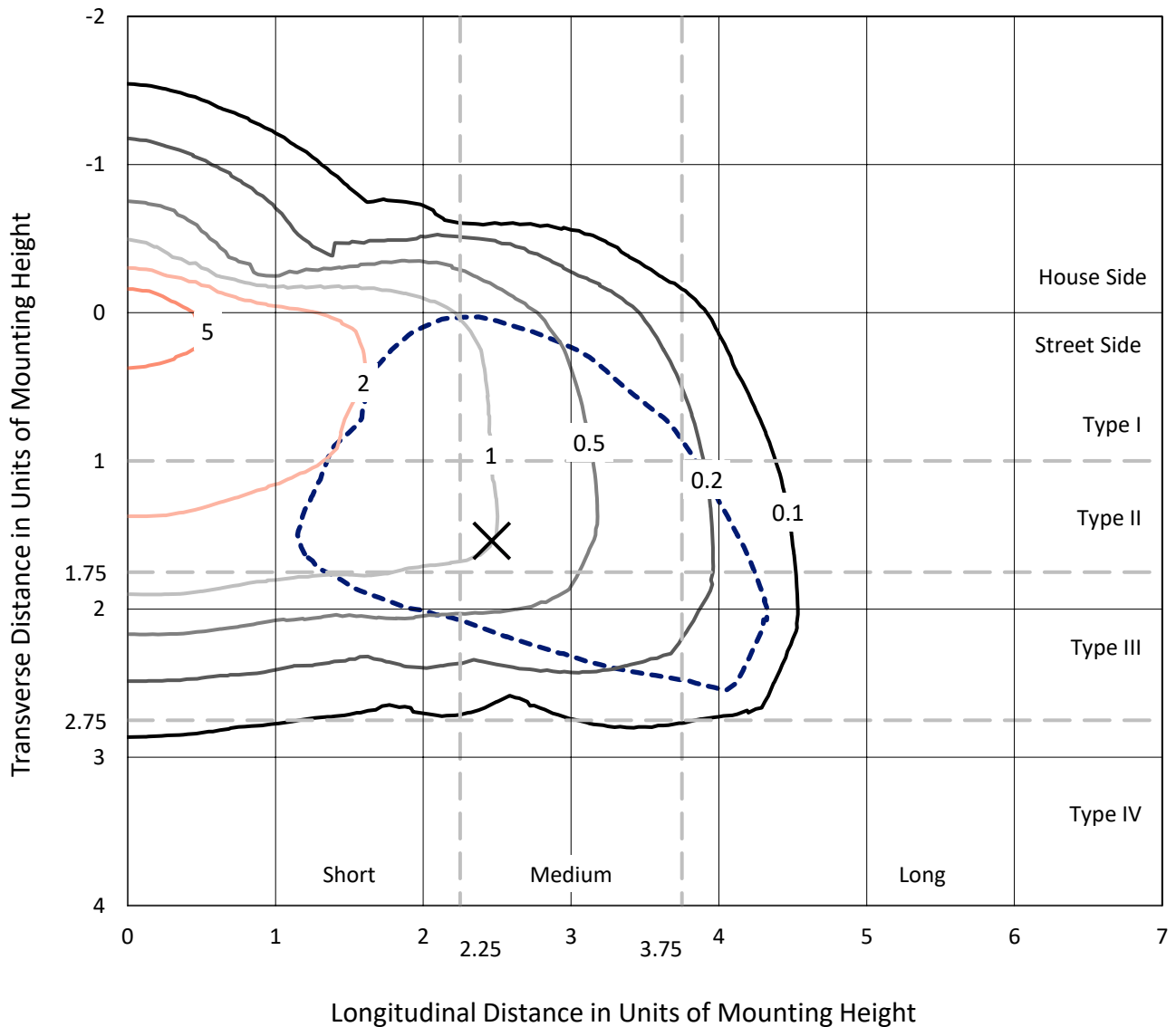
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

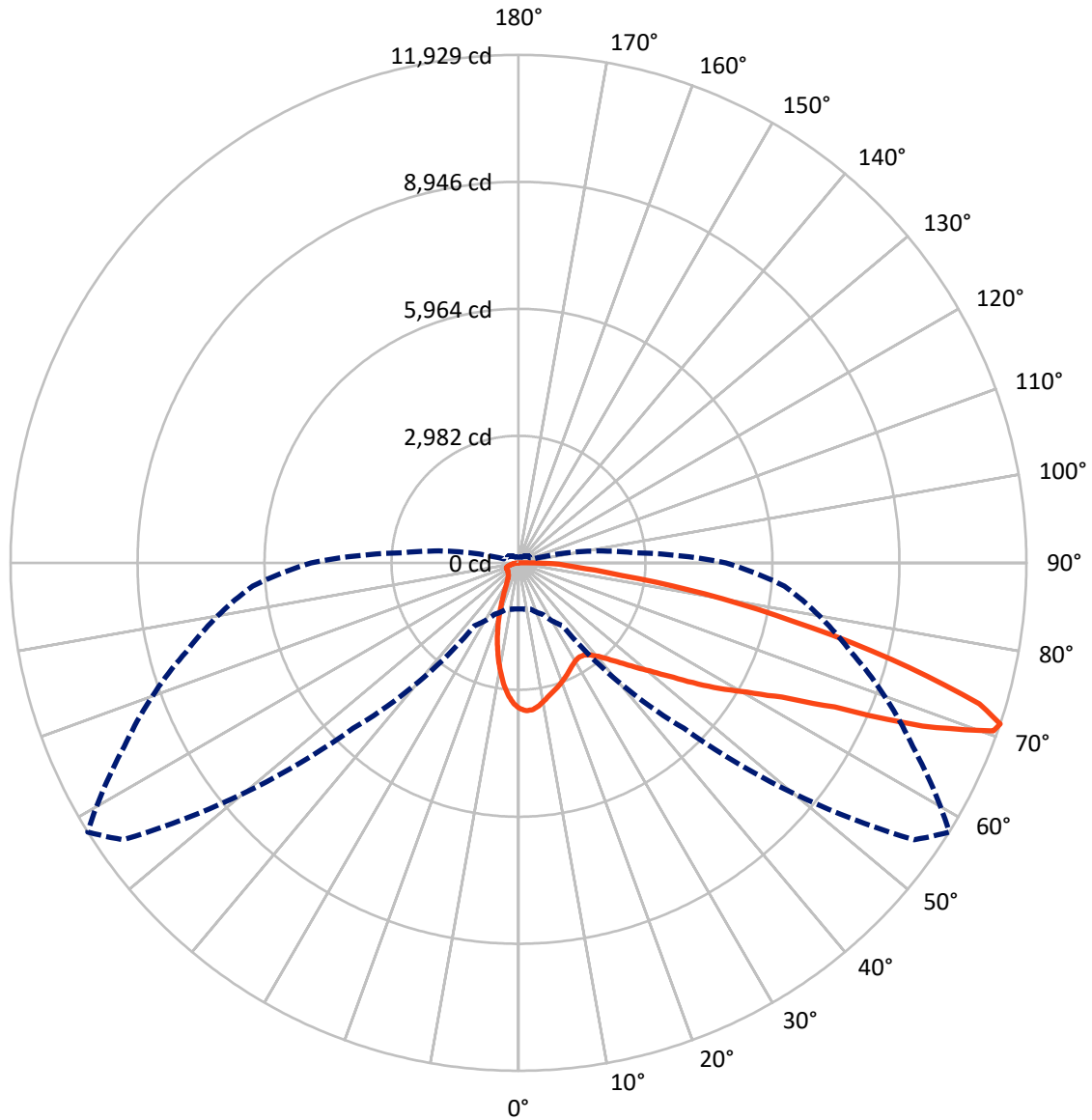
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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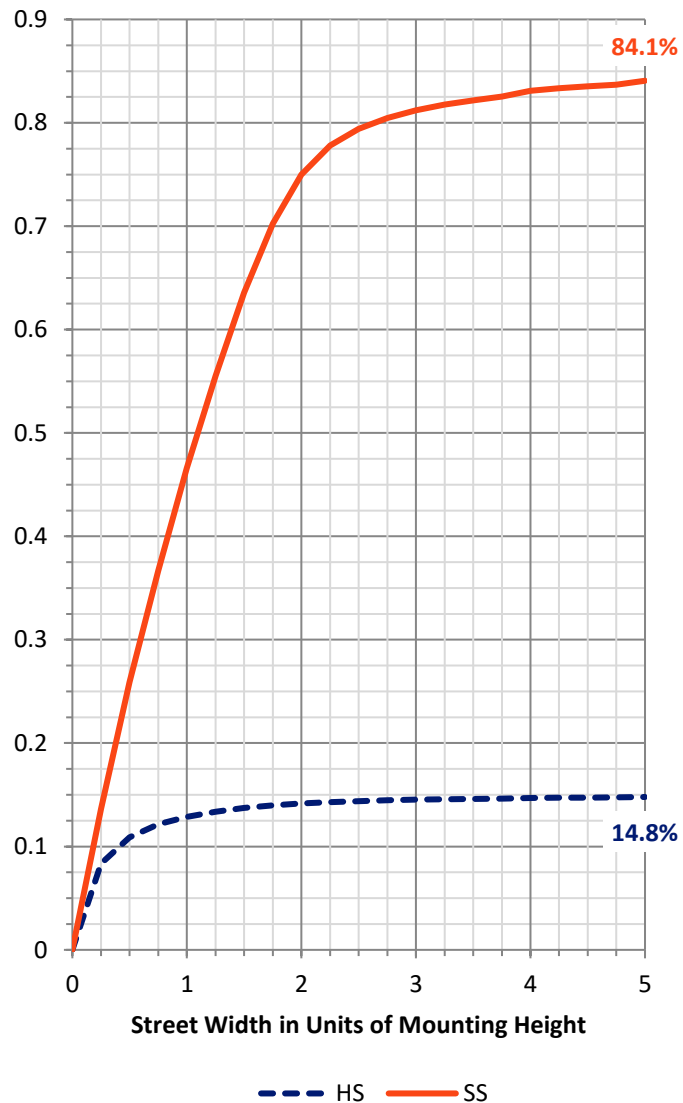
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1845.8	0.0	1845.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	10500.2	0.0	10500.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	12346.0	0.0	12346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.1	2.4
10°-20°	656.2	5.3
20°-30°	834.0	6.8
30°-40°	1062.3	8.6
40°-50°	1506.4	12.2
50°-60°	2331.2	18.9
60°-70°	3173.6	25.7
70°-80°	2117.2	17.1
80°-90°	370.2	3.0
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°	12346.0	100.0
0°-180°	12346.0	100.0

Coefficient of Utilization

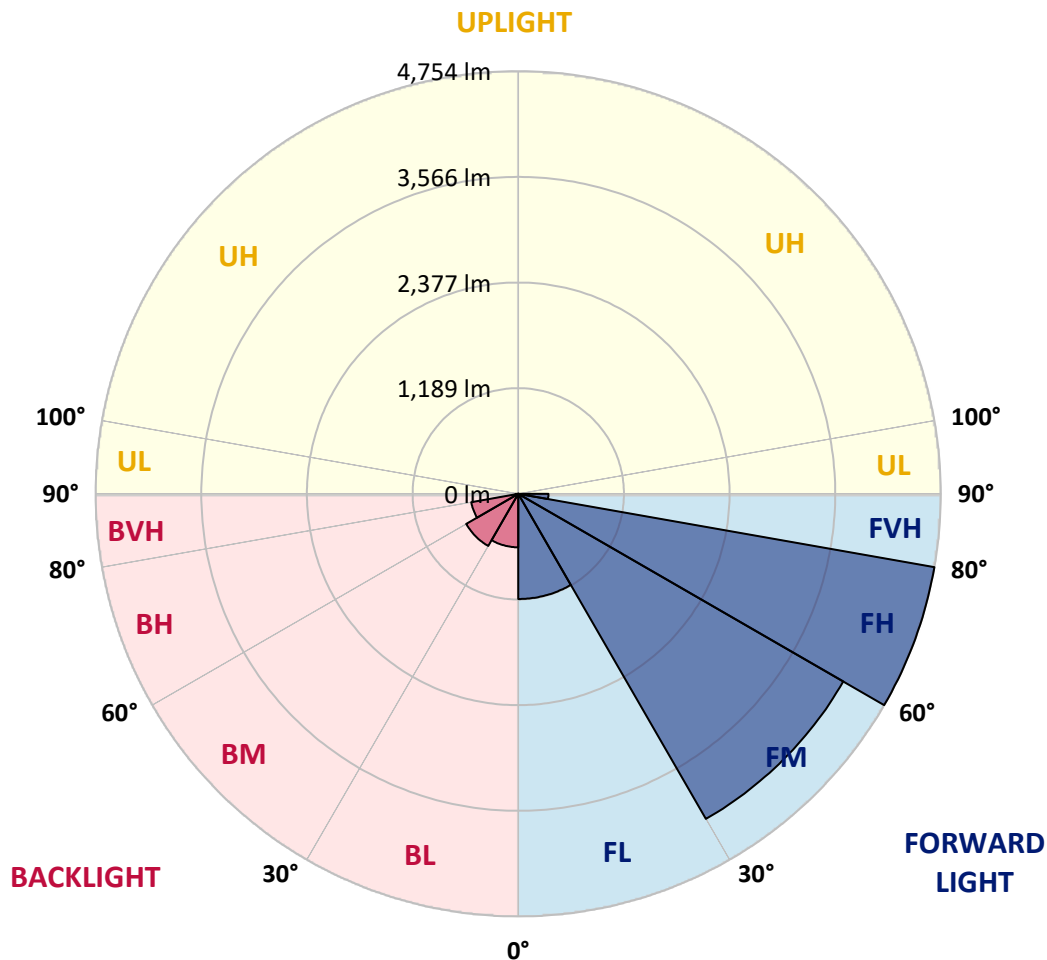


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.6	9.6			
FM (30°-60°)	4222.9	34.2			
FH (60°-80°)	4754.3	38.5			G2/5000
FVH (80°-90°)	339.4	2.7			G3/500
BL (0°-30°)	601.7	4.9	B2/1000		
BM (30°-60°)	676.9	5.5	B1/1000		
BH (60°-80°)	536.5	4.3	B2/1000		G2/1000
BVH (80°-90°)	30.8	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7
2.5°	3511.4	3506.7	3508.4	3505.0	3496.8	3488.6	3476.6	3478.7	3462.0	3437.0	3406.0
5°	3445.2	3443.5	3456.4	3463.7	3469.7	3465.0	3461.5	3465.8	3441.3	3406.9	3353.1
7.5°	3306.3	3287.3	3303.7	3328.2	3351.4	3369.1	3392.3	3395.3	3379.8	3343.7	3273.2
10°	3108.9	3090.8	3114.9	3153.2	3199.6	3241.8	3288.6	3297.2	3300.3	3267.6	3182.0
12.5°	2904.2	2890.4	2914.5	2968.2	3045.2	3110.2	3185.0	3197.9	3224.6	3202.6	3097.7
15°	2721.0	2715.8	2745.0	2797.9	2886.5	2985.9	3093.8	3117.5	3162.6	3155.3	3031.9
17.5°	2562.7	2561.4	2583.8	2639.3	2737.3	2862.9	3003.1	3043.1	3110.2	3118.8	2977.7
20°	2444.9	2442.3	2457.8	2498.6	2599.7	2742.0	2905.0	2960.1	3056.8	3086.9	2921.8
22.5°	2381.7	2381.2	2381.7	2401.0	2483.6	2616.0	2809.6	2876.6	3004.8	3061.6	2859.9
25°	2370.9	2369.6	2360.1	2358.0	2404.9	2510.7	2714.9	2788.9	2955.3	3043.9	2801.0
27.5°	2398.9	2400.6	2388.1	2367.9	2377.4	2441.4	2632.8	2711.9	2915.8	3040.5	2760.1
30°	2456.9	2456.1	2445.3	2424.2	2405.7	2415.6	2574.3	2653.4	2889.1	3055.5	2732.1
32.5°	2521.0	2525.7	2523.6	2512.0	2484.4	2444.9	2556.7	2634.1	2881.4	3091.7	2720.1
35°	2598.0	2603.1	2618.6	2627.6	2595.4	2531.7	2594.5	2661.6	2903.7	3159.6	2739.5
37.5°	2671.1	2684.4	2727.8	2766.1	2738.6	2667.6	2695.2	2742.9	2973.0	3266.7	2791.5
40°	2755.4	2767.0	2837.9	2919.2	2914.9	2841.4	2857.3	2889.1	3095.1	3420.2	2885.7
42.5°	2838.4	2861.6	2964.4	3079.6	3112.7	3047.8	3073.2	3090.0	3267.1	3623.7	3050.0
45°	2948.9	2973.8	3116.6	3255.5	3332.9	3296.4	3336.8	3343.3	3483.5	3900.6	3288.6
47.5°	3116.2	3144.6	3311.0	3456.8	3575.1	3578.9	3645.6	3643.0	3753.5	4217.6	3589.2
50°	3376.8	3417.7	3554.0	3690.3	3834.0	3913.9	4003.0	3990.5	4077.4	4555.2	3935.4
52.5°	3718.3	3737.2	3838.3	3938.9	4117.4	4296.7	4424.4	4413.2	4444.6	4902.2	4328.5
55°	4072.2	4086.4	4128.1	4183.2	4423.1	4715.6	4985.6	4968.0	4888.4	5262.6	4716.9
57.5°	4390.4	4419.3	4448.1	4470.9	4731.0	5153.4	5559.8	5561.1	5370.1	5651.4	5118.1
60°	4439.9	4465.3	4655.8	4835.6	5257.9	5737.4	6174.3	6161.4	5868.5	6073.3	5565.4
62.5°	3924.7	3981.9	4300.1	4778.4	5765.3	6805.6	6958.3	6942.4	6464.6	6593.2	6086.2
65°	2812.6	2877.5	3261.5	3980.2	5519.3	7982.7	8373.2	8159.0	7277.4	7232.7	6696.0
67.5°	1622.6	1638.1	1804.5	2381.7	4202.5	8044.2	10531.6	10231.9	8539.6	7958.2	6994.4
70°	1199.9	1199.4	1239.0	1465.6	2274.1	6565.2	11558.2	11827.0	9868.5	8196.9	6572.5
71°	1085.0	1086.3	1130.6	1334.0	1801.1	5495.3	11340.2	11928.5	10218.6	8079.0	6267.2
72.5°	928.1	932.4	993.9	1196.4	1515.1	3789.7	10400.9	11319.5	10384.6	7788.3	5789.4
75°	704.0	713.9	799.0	1008.5	1384.8	1921.9	7633.5	9038.9	9225.1	6872.3	4301.9
77.5°	502.3	513.5	609.8	848.1	1316.4	1448.4	5112.1	6593.2	6788.9	4404.2	1940.4
80°	317.4	330.7	403.4	674.8	1236.8	1375.3	3212.5	4431.7	3701.9	1409.3	493.7
82.5°	186.2	196.5	250.3	440.8	1010.2	1324.6	1890.1	2456.5	1440.7	425.8	224.5
85°	107.9	112.7	156.1	280.8	733.7	1250.2	1388.7	1373.2	625.3	208.1	106.2
87.5°	50.3	55.9	92.5	146.6	407.3	906.1	1097.5	948.3	388.8	97.6	49.9
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°	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7
2.5°	3391.0	3383.7	3353.1	3326.1	3297.7	3260.7	3219.8	3214.7	3189.7	3194.5	3185.9
5°	3323.9	3305.4	3231.9	3165.2	3086.5	3016.0	2939.4	2904.2	2853.4	2850.0	2837.1
7.5°	3228.0	3193.6	3079.6	2953.2	2826.8	2706.3	2587.2	2508.9	2429.0	2395.0	2392.0
10°	3120.1	3061.6	2893.8	2706.8	2524.4	2348.5	2178.2	2052.2	1938.7	1884.9	1882.8
12.5°	3017.7	2931.3	2701.2	2446.6	2197.2	1969.2	1735.7	1570.1	1427.8	1380.1	1359.8
15°	2930.8	2809.1	2513.7	2188.1	1885.4	1568.8	1303.1	1128.9	997.3	951.7	943.1
17.5°	2846.5	2690.0	2321.4	1927.1	1561.1	1213.2	947.0	817.5	747.4	728.9	728.5
20°	2762.7	2567.4	2120.6	1660.0	1247.6	907.4	728.1	670.0	646.4	644.2	640.8
22.5°	2667.6	2437.6	1909.4	1392.1	973.6	713.5	618.9	595.6	592.6	600.4	600.4
25°	2578.6	2308.5	1695.3	1129.8	757.3	595.2	552.6	547.9	556.1	569.8	571.1
27.5°	2495.6	2184.3	1486.3	896.7	606.8	524.2	506.6	512.2	526.8	542.7	543.2
30°	2427.2	2066.9	1283.3	706.6	512.6	471.3	468.3	479.5	495.4	507.9	510.9
32.5°	2374.3	1966.6	1087.2	568.1	451.1	431.8	434.4	443.8	453.7	460.6	465.3
35°	2349.8	1880.6	906.1	479.1	412.0	401.2	404.7	409.8	414.1	419.3	423.2
37.5°	2354.1	1814.0	744.4	423.6	385.8	380.2	380.2	380.2	380.2	382.8	383.2
40°	2394.1	1775.7	612.8	388.3	368.1	362.1	357.4	353.1	349.6	351.4	350.5
42.5°	2496.5	1772.3	516.5	366.0	353.9	344.0	334.6	328.6	324.3	326.0	326.8
45°	2670.2	1815.3	451.6	350.1	340.6	325.6	313.5	307.1	304.0	309.6	310.5
47.5°	2895.1	1909.0	412.0	338.5	328.1	308.4	295.4	289.4	290.3	298.5	300.6
50°	3185.0	2061.3	393.1	331.1	319.5	293.7	280.4	275.2	277.8	289.4	292.0
52.5°	3503.2	2280.6	395.2	329.0	313.9	283.0	268.8	262.8	267.1	277.8	280.0
55°	3870.5	2544.2	430.9	332.0	305.8	276.1	259.3	249.0	252.4	262.3	264.1
57.5°	4278.6	2846.1	502.7	331.1	295.4	269.6	249.4	234.0	236.5	242.6	244.3
60°	4703.5	3210.8	614.1	333.7	290.7	261.9	236.1	216.7	215.9	221.0	221.9
62.5°	5213.6	3632.7	741.4	335.4	293.7	252.0	218.5	199.5	197.0	198.3	199.1
65°	5739.1	3938.0	693.7	328.6	303.2	243.8	203.0	182.8	178.0	177.2	177.6
67.5°	5755.4	3610.8	486.4	314.8	307.1	239.5	191.4	168.6	160.8	157.8	157.4
70°	5161.5	2933.4	378.9	300.2	291.6	232.7	180.6	157.0	145.4	140.6	140.2
71°	4871.7	2700.3	359.1	292.9	280.0	225.8	175.9	151.8	139.8	134.6	133.7
72.5°	4417.1	2420.8	335.0	281.3	257.6	208.1	166.9	144.5	132.0	126.0	124.7
75°	3169.9	1583.0	287.7	250.7	213.3	166.0	146.2	129.9	119.1	111.8	111.0
77.5°	1221.4	630.0	217.6	208.6	163.4	129.9	120.4	112.2	104.5	97.2	96.8
80°	377.6	281.7	158.7	157.0	118.3	96.8	93.8	91.6	88.6	80.9	79.1
82.5°	201.7	161.7	109.2	101.5	77.4	64.5	67.9	68.8	69.2	61.1	60.2
85°	96.3	85.6	61.5	57.6	45.2	36.1	41.7	45.2	45.6	37.4	34.8
87.5°	46.0	44.7	28.8	21.9	16.8	12.0	14.6	18.1	19.8	14.2	12.5
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)