

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: P386833

Luminaire Tested: GAW-SA2C-740-U-SL2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-740-U-SL2
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14461 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

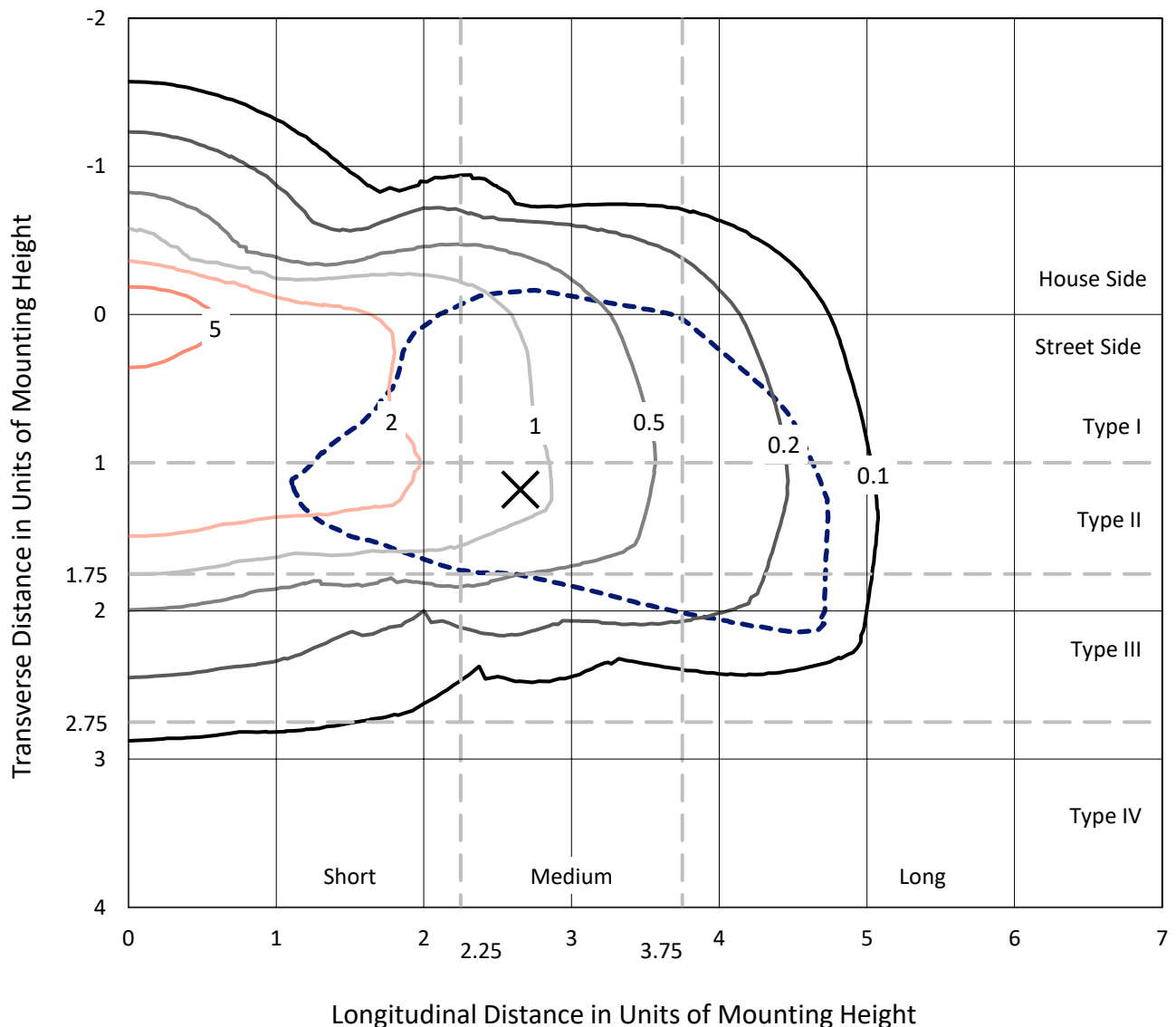
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

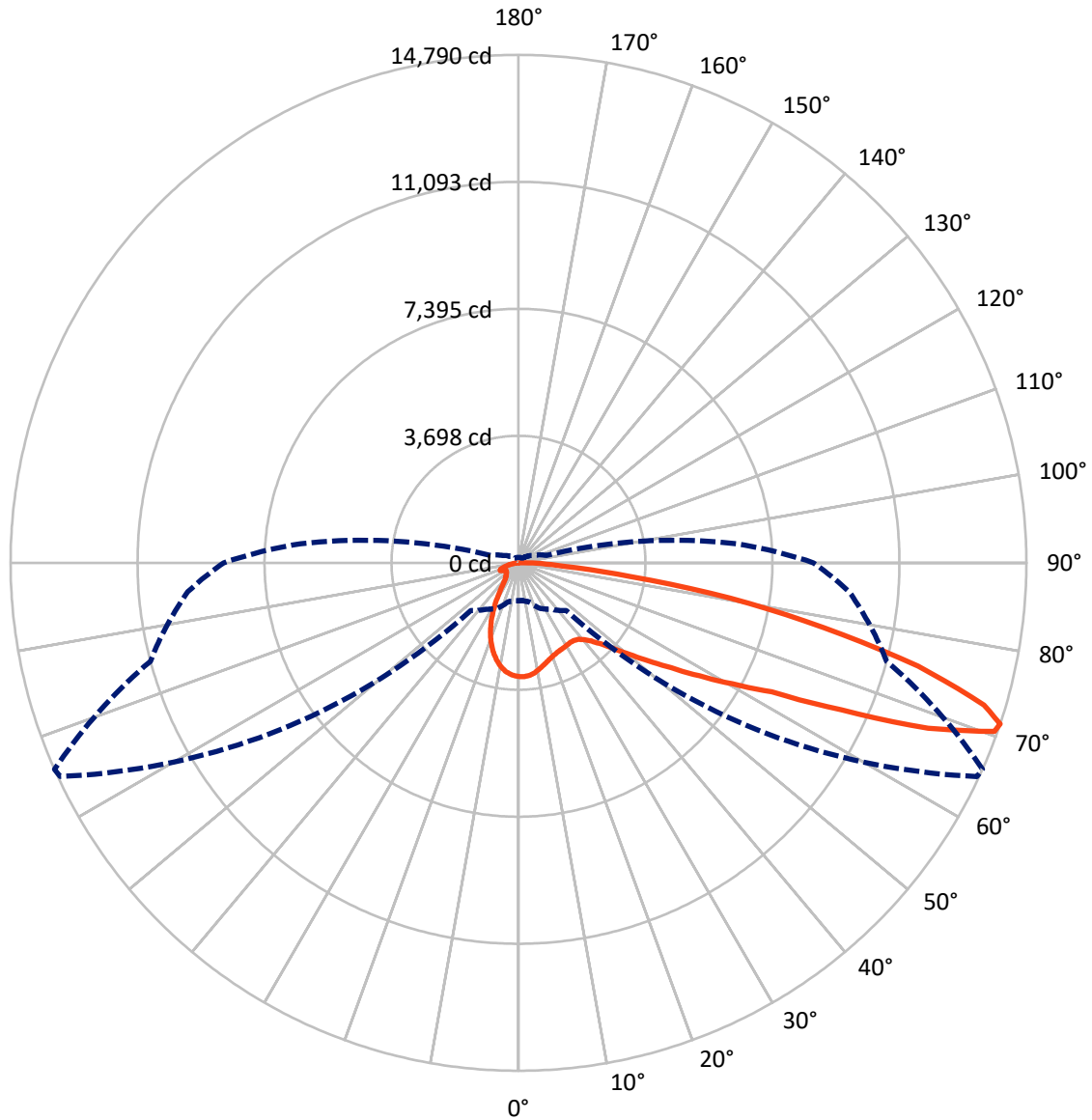
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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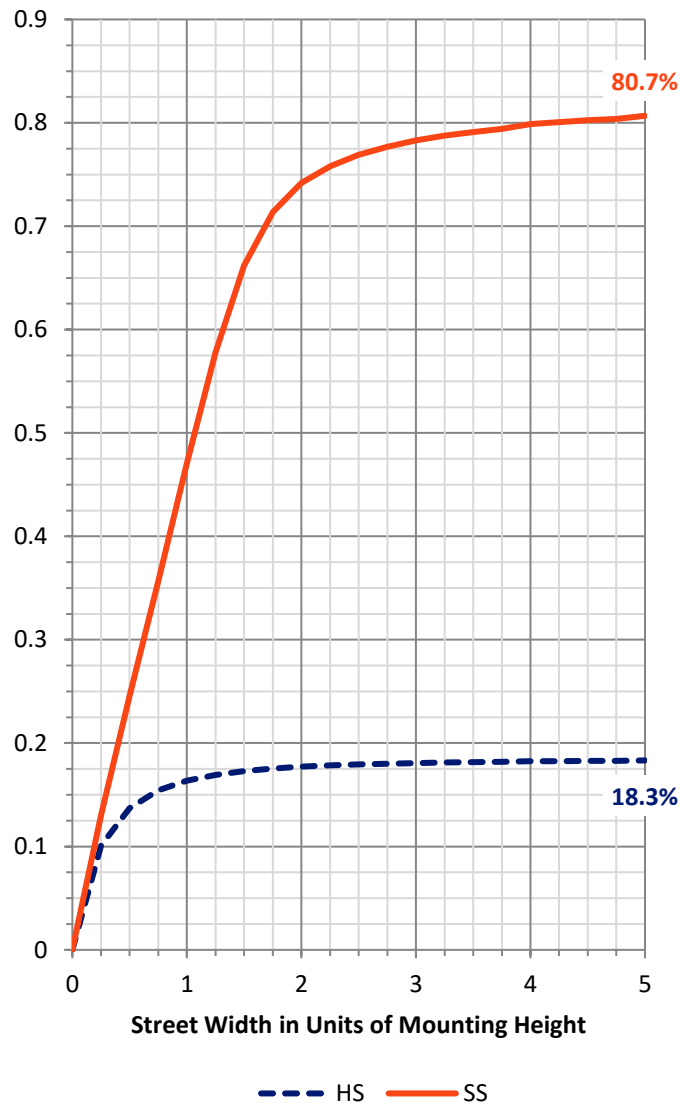
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2680.0	0.0	2680.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	11781.0	0.0	11781.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	14461.0	0.0	14461.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.6	2.0
10°-20°	699.4	4.8
20°-30°	939.4	6.5
30°-40°	1235.8	8.5
40°-50°	1797.8	12.4
50°-60°	2808.4	19.4
60°-70°	3517.9	24.3
70°-80°	2683.4	18.6
80°-90°	487.3	3.4
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°	14461.0	100.0
0°-180°	14461.0	100.0

Coefficient of Utilization



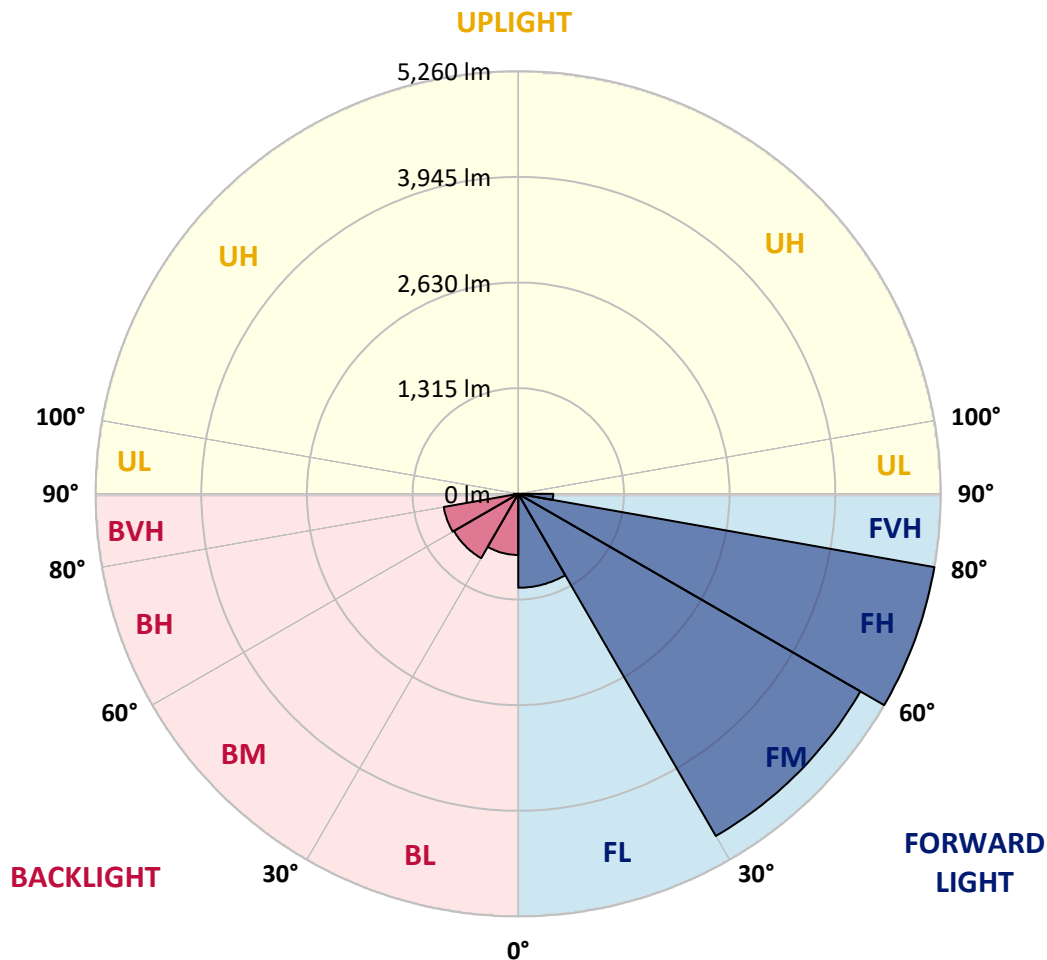
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.4	8.1			
FM (30°-60°)	4917.5	34.0			
FH (60°-80°)	5259.6	36.4			G3/7500
FVH (80°-90°)	434.5	3.0			G3/500
BL (0°-30°)	761.1	5.3	B2/1000		
BM (30°-60°)	924.5	6.4	B1/1000		
BH (60°-80°)	941.7	6.5	B2/1000		G2/1000
BVH (80°-90°)	52.7	0.4			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°	65°	66°	75°	85°
0°	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7
2.5°	3251.3	3246.3	3261.3	3276.8	3282.8	3292.8	3307.7	3316.2	3315.7	3317.2	3312.2
5°	3035.6	3029.1	3059.1	3083.6	3130.5	3183.4	3247.8	3293.8	3294.8	3320.7	3327.7
7.5°	2831.4	2826.9	2861.4	2900.8	2955.2	3036.1	3140.5	3239.3	3245.3	3315.7	3340.2
10°	2667.7	2666.7	2700.1	2743.1	2806.5	2896.8	3016.7	3161.5	3170.4	3291.8	3342.2
12.5°	2539.8	2541.8	2570.8	2619.7	2686.6	2781.0	2910.8	3074.1	3088.6	3253.8	3330.7
15°	2445.5	2453.5	2476.9	2526.4	2592.3	2688.1	2821.4	2993.2	3015.2	3211.4	3324.2
17.5°	2391.6	2400.5	2417.0	2458.0	2519.9	2612.2	2738.6	2926.8	2946.8	3178.9	3324.7
20°	2375.6	2383.1	2392.6	2417.5	2469.9	2553.8	2673.2	2866.9	2888.3	3153.0	3329.7
22.5°	2407.0	2412.5	2413.5	2411.5	2443.5	2511.9	2625.7	2822.9	2845.9	3136.0	3333.2
25°	2474.4	2481.9	2476.4	2458.0	2447.5	2489.4	2601.3	2794.0	2816.9	3123.5	3326.2
27.5°	2575.8	2576.8	2572.3	2548.3	2498.9	2491.9	2593.8	2777.0	2799.0	3109.0	3311.7
30°	2713.6	2720.1	2712.1	2679.6	2598.8	2531.9	2602.8	2760.5	2780.5	3090.6	3288.3
32.5°	2874.9	2890.8	2890.3	2856.4	2740.6	2621.2	2639.7	2750.5	2766.0	3071.1	3259.8
35°	3042.1	3064.1	3105.0	3090.6	2947.3	2762.5	2710.6	2766.5	2777.0	3068.6	3239.8
37.5°	3215.9	3237.8	3322.2	3361.2	3193.4	2964.7	2822.4	2822.9	2827.9	3099.0	3238.3
40°	3397.6	3421.1	3547.9	3649.3	3512.4	3220.9	3002.7	2940.8	2935.3	3173.9	3267.8
42.5°	3652.2	3673.2	3825.5	3954.8	3866.4	3548.9	3251.8	3122.5	3111.0	3320.7	3362.2
45°	3974.3	3992.3	4154.0	4292.3	4246.9	3923.4	3564.9	3372.6	3370.7	3565.4	3553.4
47.5°	4357.2	4371.2	4516.5	4650.3	4666.8	4354.2	3958.3	3758.6	3726.1	3900.9	3849.5
50°	4756.2	4771.6	4870.5	5014.3	5136.6	4930.9	4464.6	4231.4	4188.0	4343.8	4268.9
52.5°	5020.3	5040.7	5126.6	5308.9	5664.9	5563.0	5063.2	4804.6	4738.7	4880.5	4823.1
55°	4902.4	4948.4	5079.7	5371.8	6087.2	6528.6	5801.7	5473.1	5398.7	5516.6	5482.6
57.5°	4366.7	4429.6	4608.9	5059.7	6146.7	7379.4	6918.0	6260.5	6208.1	6174.1	6189.6
60°	3387.6	3448.0	3670.2	4257.9	5732.8	8000.5	8598.1	7231.1	7155.2	6834.2	6848.1
62.5°	2397.6	2367.1	2519.4	2949.3	4658.3	8073.4	10509.9	8529.2	8279.6	7531.2	7469.8
65°	1828.4	1821.4	1889.8	2026.6	2821.4	7201.1	11648.7	10711.1	10321.2	8351.0	8206.2
67.5°	1502.3	1489.9	1557.3	1756.5	1816.9	4645.8	11673.7	13242.5	12859.5	9371.5	9058.0
70°	1235.2	1221.2	1284.2	1541.3	1679.1	2356.1	9824.9	14724.8	14704.4	10663.7	9701.0
71°	1107.4	1097.4	1172.8	1458.4	1649.6	1963.7	8482.8	14728.8	14790.2	11101.0	9663.1
72.5°	901.7	905.2	985.1	1298.1	1627.7	1734.0	6234.5	14042.3	14172.1	11517.9	9318.1
75°	599.1	602.1	707.0	998.6	1578.2	1696.6	3426.6	11783.1	12021.7	11268.3	8502.8
77.5°	402.4	401.4	472.8	685.0	1375.0	1696.6	2009.1	8812.8	9074.9	8966.1	6555.1
80°	277.1	275.1	325.5	472.8	1041.0	1717.0	1553.3	6176.1	6255.5	4842.0	2664.2
82.5°	169.8	171.3	212.7	334.0	708.5	1545.3	1466.4	3367.7	3281.3	1358.0	665.5
85°	97.4	96.9	135.8	226.2	454.8	1304.1	1429.9	1449.4	1329.6	408.9	240.7
87.5°	34.9	37.4	72.9	125.3	260.6	908.2	1213.3	753.9	679.5	184.7	108.8
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°	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7	3312.7
2.5°	3308.7	3311.7	3308.2	3288.3	3271.3	3243.8	3228.4	3206.9	3200.4	3197.4	3205.4
5°	3321.2	3322.2	3292.8	3240.3	3181.4	3112.0	3062.1	3000.7	2971.7	2959.2	2967.2
7.5°	3332.7	3328.2	3263.8	3163.4	3054.6	2933.8	2826.4	2728.1	2670.7	2647.2	2649.2
10°	3334.2	3315.2	3211.9	3056.6	2887.8	2710.6	2545.8	2394.1	2298.2	2235.8	2254.8
12.5°	3318.7	3286.8	3135.5	2918.3	2684.1	2442.5	2219.8	1992.1	1855.3	1791.9	1793.9
15°	3306.7	3248.8	3041.6	2755.5	2441.0	2120.9	1816.9	1549.3	1403.5	1338.6	1308.1
17.5°	3296.8	3207.9	2932.8	2572.3	2153.9	1748.0	1382.5	1143.9	1064.0	1045.0	1037.0
20°	3282.8	3164.4	2811.5	2360.1	1826.9	1330.6	1009.5	891.7	892.2	914.2	917.2
22.5°	3263.3	3115.0	2682.1	2121.9	1475.9	969.1	791.4	757.4	791.9	833.8	841.3
25°	3234.3	3056.6	2538.3	1858.8	1125.4	744.9	676.0	674.5	716.5	760.4	766.9
27.5°	3193.4	2980.2	2378.6	1576.2	829.3	633.1	605.6	616.1	647.1	679.0	681.5
30°	3138.5	2891.3	2202.3	1278.2	650.1	563.7	560.7	570.2	589.2	611.6	613.6
32.5°	3078.1	2801.0	2014.1	989.6	556.7	526.2	529.2	533.7	542.7	551.7	553.7
35°	3023.2	2708.6	1821.4	751.9	512.3	501.8	499.8	498.8	499.8	496.8	497.3
37.5°	2987.7	2632.2	1620.7	598.6	486.8	480.3	474.3	466.8	458.3	453.3	454.3
40°	2974.7	2575.3	1417.5	517.3	465.8	461.3	449.9	433.9	423.9	420.9	420.9
42.5°	3009.7	2545.8	1221.2	476.3	448.4	440.9	421.9	403.4	395.9	395.4	394.9
45°	3116.5	2557.8	1034.5	453.8	432.4	417.9	392.9	377.5	372.5	373.5	373.0
47.5°	3308.2	2633.2	874.7	438.9	416.4	397.4	369.5	357.0	351.0	351.0	351.5
50°	3634.3	2809.5	747.4	426.4	402.9	378.5	352.5	337.0	329.0	328.5	328.5
52.5°	4109.1	3125.0	668.0	415.9	387.9	361.5	335.5	316.0	306.6	304.6	303.6
55°	4704.2	3577.4	646.1	408.9	368.0	343.0	315.0	295.6	285.1	280.6	280.1
57.5°	5369.8	4127.6	689.5	400.4	347.5	321.0	292.6	274.1	263.1	257.6	257.1
60°	6043.3	4728.2	866.8	388.4	330.5	297.1	269.6	252.6	241.7	235.7	234.7
62.5°	6717.8	5361.3	1228.7	387.4	318.5	274.1	246.1	231.7	221.2	214.7	213.2
65°	7478.7	6054.3	1640.1	413.9	314.5	253.1	222.2	210.7	201.7	195.7	195.2
67.5°	8352.5	6836.7	1600.7	468.3	328.0	234.2	199.7	190.7	184.2	179.2	178.7
70°	8762.4	6714.3	995.1	506.8	347.0	215.7	178.2	171.8	166.8	163.3	161.8
71°	8590.6	6375.3	834.3	502.3	345.0	207.7	169.8	164.8	159.8	156.8	155.3
72.5°	8122.3	5814.1	696.0	467.3	322.5	193.2	158.8	153.8	149.3	145.8	144.8
75°	7288.5	5192.5	557.2	373.5	257.1	163.3	139.3	133.8	130.3	128.3	126.3
77.5°	5357.8	3705.7	430.9	295.1	189.2	133.3	118.8	114.8	111.3	108.3	106.8
80°	2052.5	1435.4	290.1	220.2	138.8	105.3	95.9	93.9	90.4	88.4	88.4
82.5°	552.7	428.9	154.8	133.3	92.9	76.9	73.4	72.4	69.4	65.4	65.9
85°	223.7	189.2	86.9	73.4	56.9	45.4	49.4	49.9	46.4	41.4	41.9
87.5°	98.4	80.4	48.4	32.5	25.0	17.5	22.5	22.5	20.5	17.0	15.5
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)