

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: P386805

Luminaire Tested: GAW-SA2C-730-U-SL2

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386805  
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-730-U-SL2  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 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: 13170 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

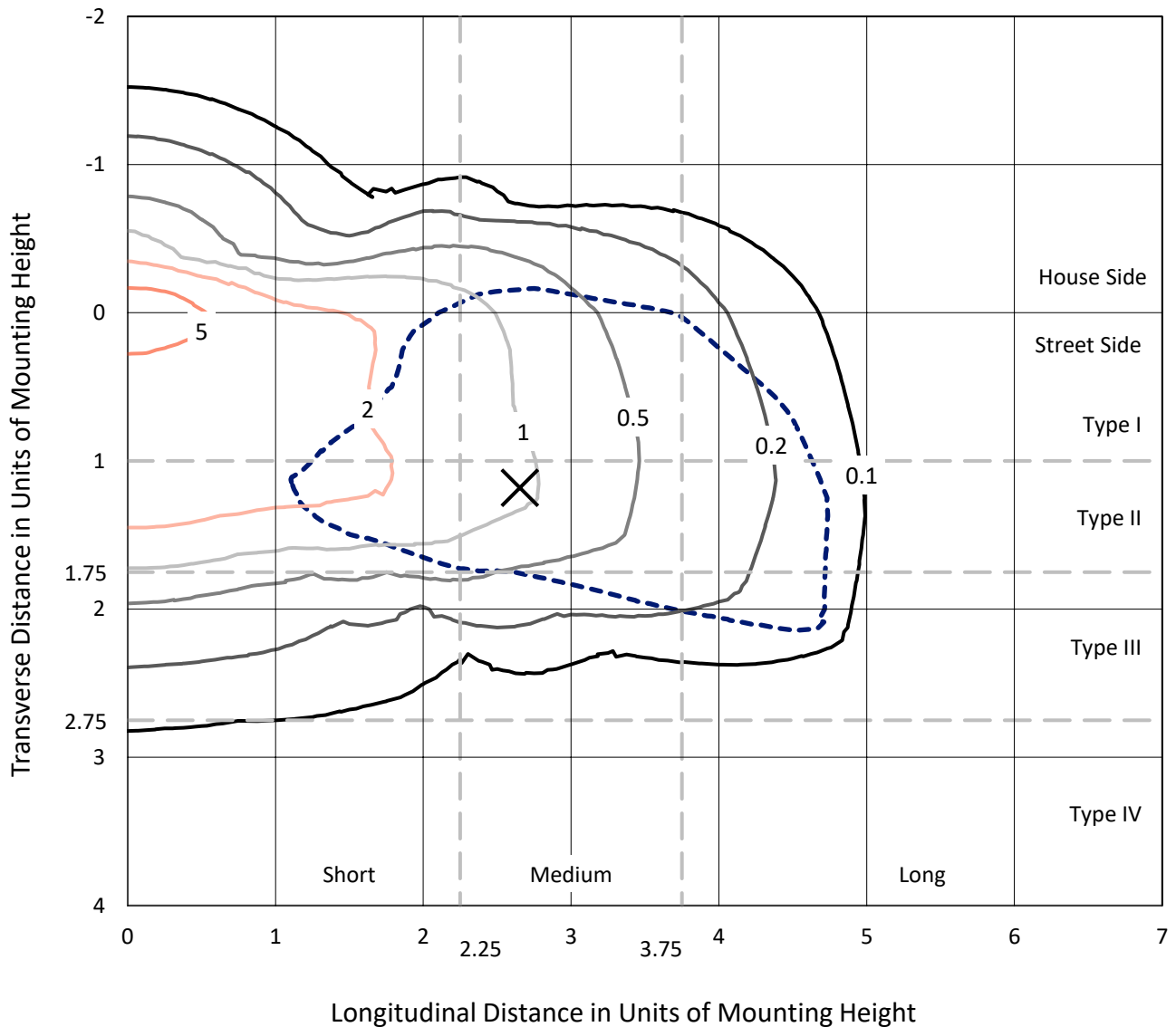
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

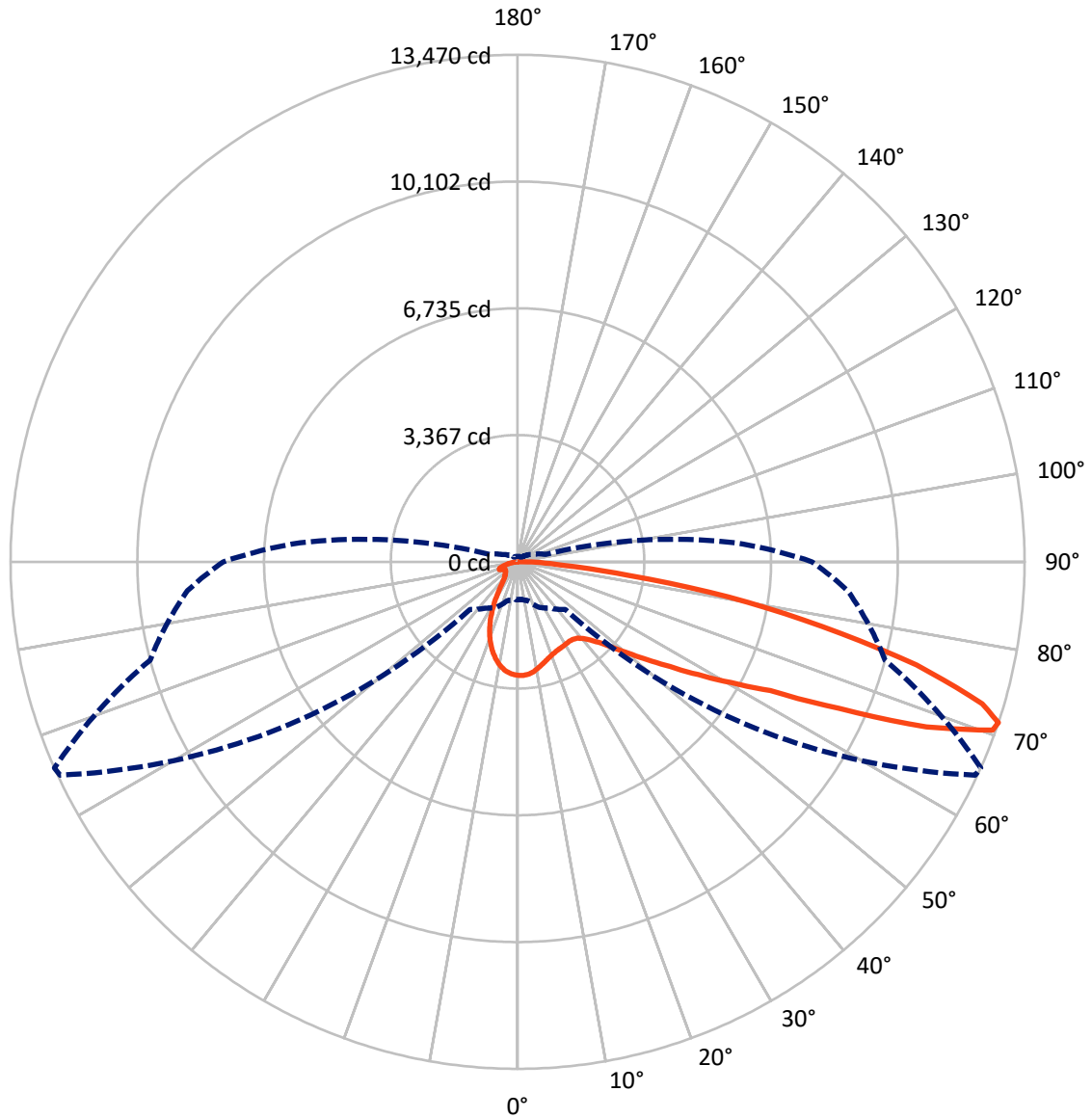
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 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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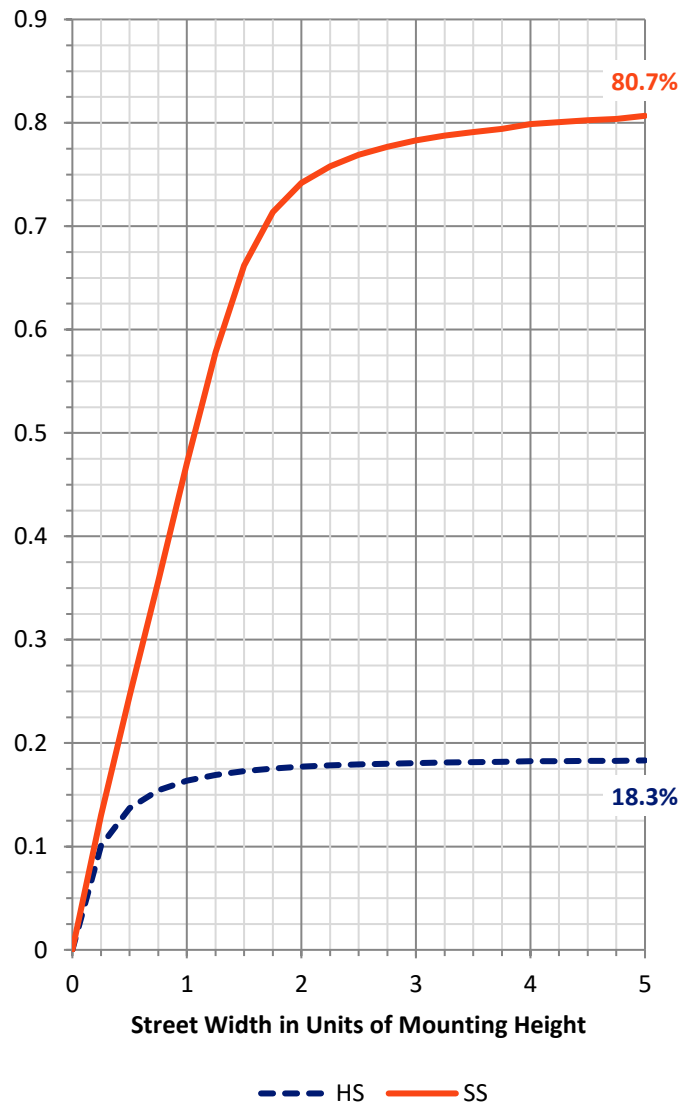
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2440.8	0.0	2440.8
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	10729.2	0.0	10729.2
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	13170.0	0.0	13170.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.6	2.0
10°-20°	636.9	4.8
20°-30°	855.6	6.5
30°-40°	1125.5	8.5
40°-50°	1637.3	12.4
50°-60°	2557.6	19.4
60°-70°	3203.9	24.3
70°-80°	2443.8	18.6
80°-90°	443.8	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°	13170.0	100.0
0°-180°	13170.0	100.0

**Coefficient of Utilization**



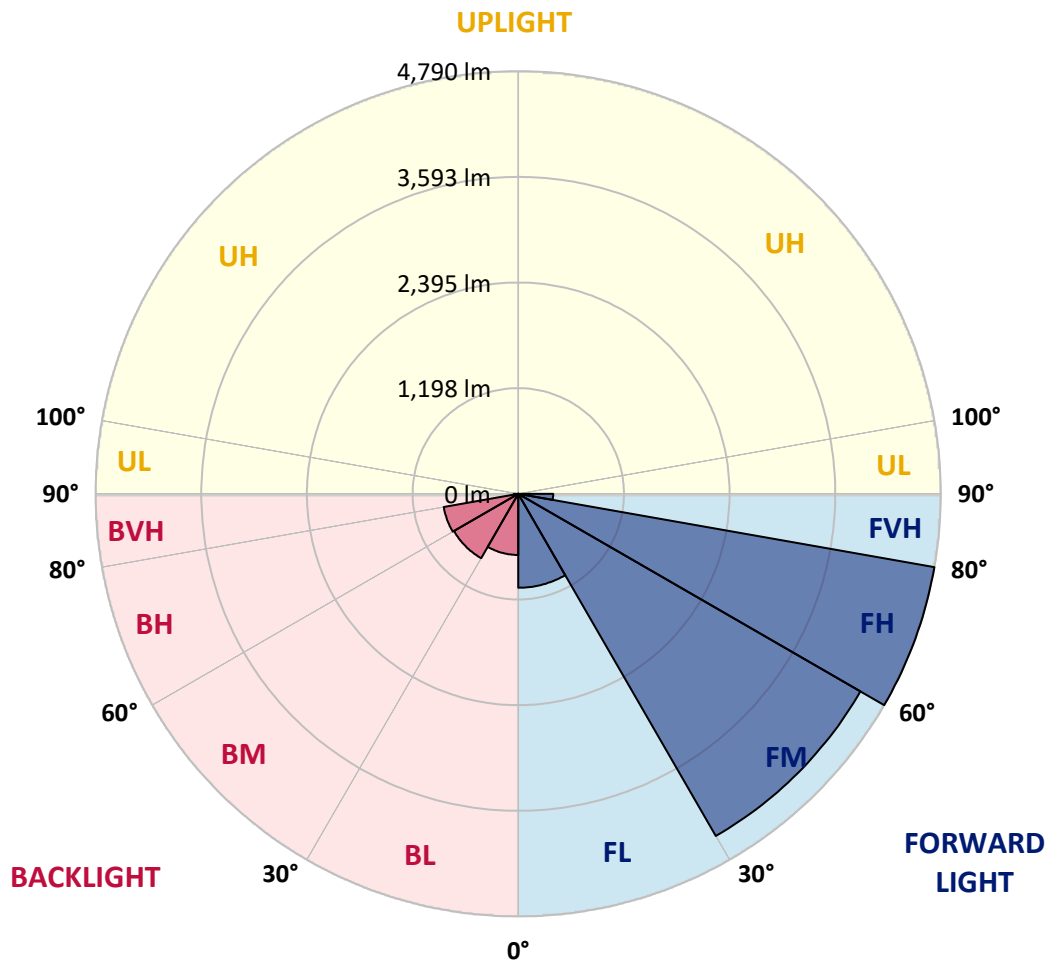
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.0	8.1			
FM (30°-60°)	4478.5	34.0			
FH (60°-80°)	4790.1	36.4			G2/5000
FVH (80°-90°)	395.7	3.0			G3/500
BL (0°-30°)	693.1	5.3	B2/1000		
BM (30°-60°)	842.0	6.4	B1/1000		
BH (60°-80°)	857.6	6.5	B2/1000		G2/1000
BVH (80°-90°)	48.0	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°	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0
2.5°	2961.1	2956.5	2970.2	2984.3	2989.7	2998.8	3012.4	3020.2	3019.7	3021.1	3016.5
5°	2764.6	2758.7	2786.0	2808.3	2851.0	2899.2	2957.9	2999.7	3000.6	3024.3	3030.6
7.5°	2578.7	2574.6	2605.9	2641.9	2691.4	2765.1	2860.1	2950.1	2955.6	3019.7	3042.0
10°	2429.5	2428.6	2459.1	2498.2	2555.9	2638.2	2747.3	2879.2	2887.4	2997.9	3043.8
12.5°	2313.1	2314.9	2341.3	2385.9	2446.8	2532.7	2651.0	2799.6	2812.8	2963.3	3033.4
15°	2227.2	2234.4	2255.8	2300.8	2360.8	2448.2	2569.6	2726.0	2746.0	2924.7	3027.5
17.5°	2178.1	2186.2	2201.2	2238.5	2294.9	2379.0	2494.1	2665.5	2683.7	2895.1	3027.9
20°	2163.5	2170.3	2179.0	2201.7	2249.4	2325.8	2434.5	2610.9	2630.5	2871.5	3032.5
22.5°	2192.2	2197.2	2198.1	2196.2	2225.3	2287.6	2391.3	2570.9	2591.8	2856.0	3035.6
25°	2253.5	2260.4	2255.4	2238.5	2229.0	2267.2	2369.0	2544.5	2565.5	2844.7	3029.3
27.5°	2345.8	2346.8	2342.7	2320.8	2275.8	2269.5	2362.2	2529.1	2549.1	2831.5	3016.1
30°	2471.3	2477.3	2470.0	2440.4	2366.8	2305.8	2370.4	2514.1	2532.3	2814.6	2994.7
32.5°	2618.2	2632.8	2632.3	2601.4	2495.9	2387.2	2404.0	2505.0	2519.1	2796.9	2968.8
35°	2770.5	2790.5	2827.8	2814.6	2684.1	2515.9	2468.6	2519.5	2529.1	2794.6	2950.6
37.5°	2928.8	2948.8	3025.6	3061.1	2908.3	2700.1	2570.5	2570.9	2575.5	2822.4	2949.2
40°	3094.3	3115.7	3231.2	3323.5	3198.9	2933.3	2734.6	2678.2	2673.2	2890.6	2976.1
42.5°	3326.2	3345.3	3484.0	3601.7	3521.3	3232.1	2961.5	2843.7	2833.3	3024.3	3062.0
45°	3619.5	3635.9	3783.2	3909.1	3867.8	3573.1	3246.6	3071.6	3069.7	3247.1	3236.2
47.5°	3968.2	3981.0	4113.3	4235.2	4250.2	3965.5	3604.9	3423.0	3393.5	3552.6	3505.8
50°	4331.6	4345.7	4435.7	4566.6	4678.0	4490.7	4066.0	3853.7	3814.1	3956.0	3887.8
52.5°	4572.1	4590.7	4668.9	4834.9	5159.1	5066.4	4611.2	4375.7	4315.6	4444.8	4392.5
55°	4464.8	4506.6	4626.2	4892.2	5543.8	5945.8	5283.7	4984.5	4916.8	5024.1	4993.2
57.5°	3976.9	4034.2	4197.4	4608.0	5597.9	6720.6	6300.4	5701.6	5653.8	5622.9	5637.0
60°	3085.2	3140.2	3342.6	3877.8	5221.0	7286.3	7830.5	6585.5	6516.4	6224.1	6236.8
62.5°	2183.5	2155.8	2294.5	2686.0	4242.4	7352.6	9571.6	7767.8	7540.4	6858.8	6802.9
65°	1665.1	1658.8	1721.1	1845.7	2569.6	6558.3	10608.8	9754.9	9399.7	7605.5	7473.6
67.5°	1368.2	1356.9	1418.2	1599.7	1654.7	4231.1	10631.5	12060.2	11711.5	8534.9	8249.3
70°	1124.9	1112.2	1169.5	1403.7	1529.2	2145.8	8947.8	13410.3	13391.6	9711.7	8835.0
71°	1008.5	999.4	1068.1	1328.2	1502.4	1788.4	7725.5	13413.9	13469.8	10110.0	8800.4
72.5°	821.2	824.4	897.1	1182.2	1482.4	1579.2	5677.9	12788.7	12906.9	10489.7	8486.2
75°	545.7	548.4	643.9	909.4	1437.3	1545.1	3120.7	10731.1	10948.5	10262.3	7743.7
77.5°	366.5	365.6	430.6	623.9	1252.3	1545.1	1829.7	8026.1	8264.8	8165.7	5969.9
80°	252.4	250.5	296.5	430.6	948.1	1563.7	1414.6	5624.7	5697.0	4409.8	2426.3
82.5°	154.6	156.0	193.7	304.2	645.2	1407.3	1335.5	3067.0	2988.3	1236.8	606.1
85°	88.7	88.2	123.7	206.0	414.2	1187.7	1302.3	1320.0	1210.9	372.4	219.2
87.5°	31.8	34.1	66.4	114.1	237.4	827.1	1104.9	686.6	618.9	168.2	99.1
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°	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0	3017.0
2.5°	3013.4	3016.1	3012.9	2994.7	2979.3	2954.2	2940.1	2920.6	2914.7	2912.0	2919.2
5°	3024.7	3025.6	2998.8	2951.1	2897.4	2834.2	2788.7	2732.8	2706.4	2695.1	2702.3
7.5°	3035.2	3031.1	2972.4	2881.0	2781.9	2671.9	2574.1	2484.5	2432.2	2410.9	2412.7
10°	3036.5	3019.3	2925.1	2783.7	2630.0	2468.6	2318.6	2180.3	2093.0	2036.2	2053.5
12.5°	3022.4	2993.3	2855.6	2657.8	2444.5	2224.4	2021.6	1814.3	1689.7	1631.9	1633.8
15°	3011.5	2958.8	2770.1	2509.5	2223.1	1931.6	1654.7	1411.0	1278.2	1219.1	1191.3
17.5°	3002.4	2921.5	2671.0	2342.7	1961.6	1591.9	1259.1	1041.7	969.0	951.7	944.4
20°	2989.7	2881.9	2560.5	2149.4	1663.8	1211.8	919.4	812.1	812.6	832.6	835.3
22.5°	2972.0	2836.9	2442.7	1932.5	1344.1	882.6	720.7	689.8	721.2	759.4	766.2
25°	2945.6	2783.7	2311.7	1692.9	1024.9	678.4	615.7	614.3	652.5	692.5	698.4
27.5°	2908.3	2714.2	2166.2	1435.5	755.3	576.6	551.6	561.1	589.3	618.4	620.7
30°	2858.3	2633.2	2005.7	1164.1	592.0	513.4	510.6	519.3	536.6	557.0	558.8
32.5°	2803.3	2550.9	1834.3	901.2	507.0	479.3	482.0	486.1	494.3	502.5	504.3
35°	2753.3	2466.8	1658.8	684.8	466.5	457.0	455.2	454.3	455.2	452.4	452.9
37.5°	2721.0	2397.2	1476.0	545.2	443.3	437.4	432.0	425.2	417.4	412.9	413.8
40°	2709.2	2345.4	1290.9	471.1	424.2	420.2	409.7	395.1	386.0	383.3	383.3
42.5°	2741.0	2318.6	1112.2	433.8	408.3	401.5	384.2	367.4	360.6	360.1	359.7
45°	2838.3	2329.5	942.2	413.3	393.8	380.6	357.9	343.8	339.2	340.1	339.7
47.5°	3012.9	2398.1	796.6	399.7	379.2	361.9	336.5	325.1	319.7	319.7	320.1
50°	3309.8	2558.6	680.7	388.3	366.9	344.7	321.0	306.9	299.7	299.2	299.2
52.5°	3742.3	2846.0	608.4	378.8	353.3	329.2	305.6	287.8	279.2	277.4	276.5
55°	4284.3	3258.0	588.4	372.4	335.1	312.4	286.9	269.2	259.6	255.5	255.1
57.5°	4890.4	3759.1	628.0	364.7	316.5	292.4	266.5	249.6	239.6	234.6	234.2
60°	5503.8	4306.1	789.4	353.8	301.0	270.6	245.5	230.1	220.1	214.6	213.7
62.5°	6118.1	4882.7	1119.0	352.9	290.1	249.6	224.2	211.0	201.4	195.5	194.2
65°	6811.1	5513.8	1493.7	377.0	286.5	230.5	202.3	191.9	183.7	178.2	177.8
67.5°	7606.8	6226.3	1457.8	426.5	298.7	213.3	181.9	173.7	167.8	163.2	162.8
70°	7980.1	6114.9	906.2	461.5	316.0	196.4	162.3	156.4	151.9	148.7	147.3
71°	7823.7	5806.2	759.8	457.4	314.2	189.2	154.6	150.1	145.5	142.8	141.4
72.5°	7397.2	5295.1	633.9	425.6	293.7	176.0	144.6	140.1	136.0	132.8	131.9
75°	6637.8	4729.0	507.5	340.1	234.2	148.7	126.9	121.9	118.7	116.9	115.0
77.5°	4879.5	3374.8	392.4	268.7	172.3	121.4	108.2	104.6	101.4	98.7	97.3
80°	1869.3	1307.3	264.2	200.5	126.4	95.9	87.3	85.5	82.3	80.5	80.5
82.5°	503.4	390.6	141.0	121.4	84.6	70.0	66.8	65.9	63.2	59.6	60.0
85°	203.7	172.3	79.1	66.8	51.8	41.4	45.0	45.5	42.3	37.7	38.2
87.5°	89.6	73.2	44.1	29.6	22.7	15.9	20.5	20.5	18.6	15.5	14.1
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)