

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: P386153

Luminaire Tested: GAW-SA1D-730-U-T4W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1D-730-U-T4W
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7494 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

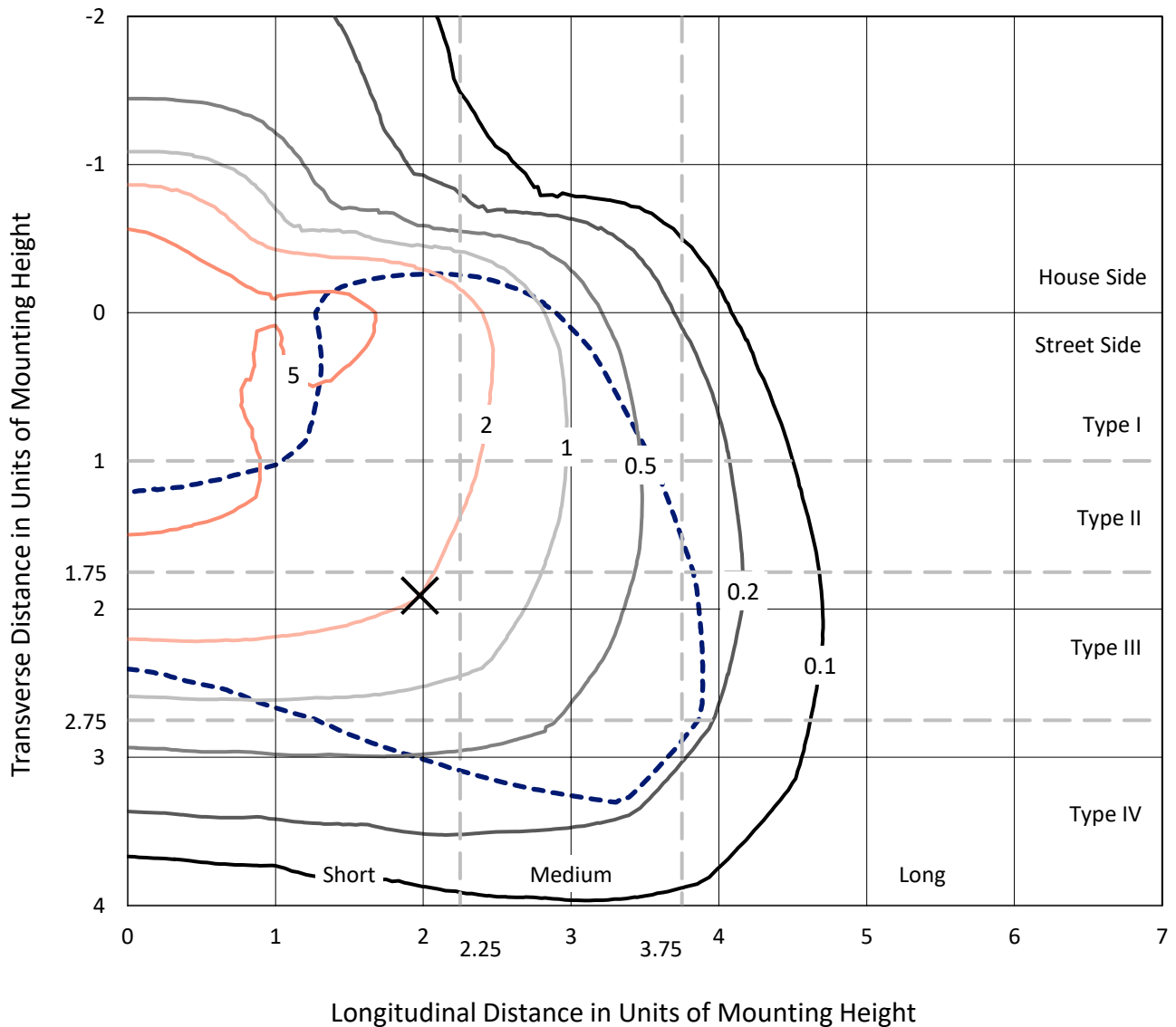
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

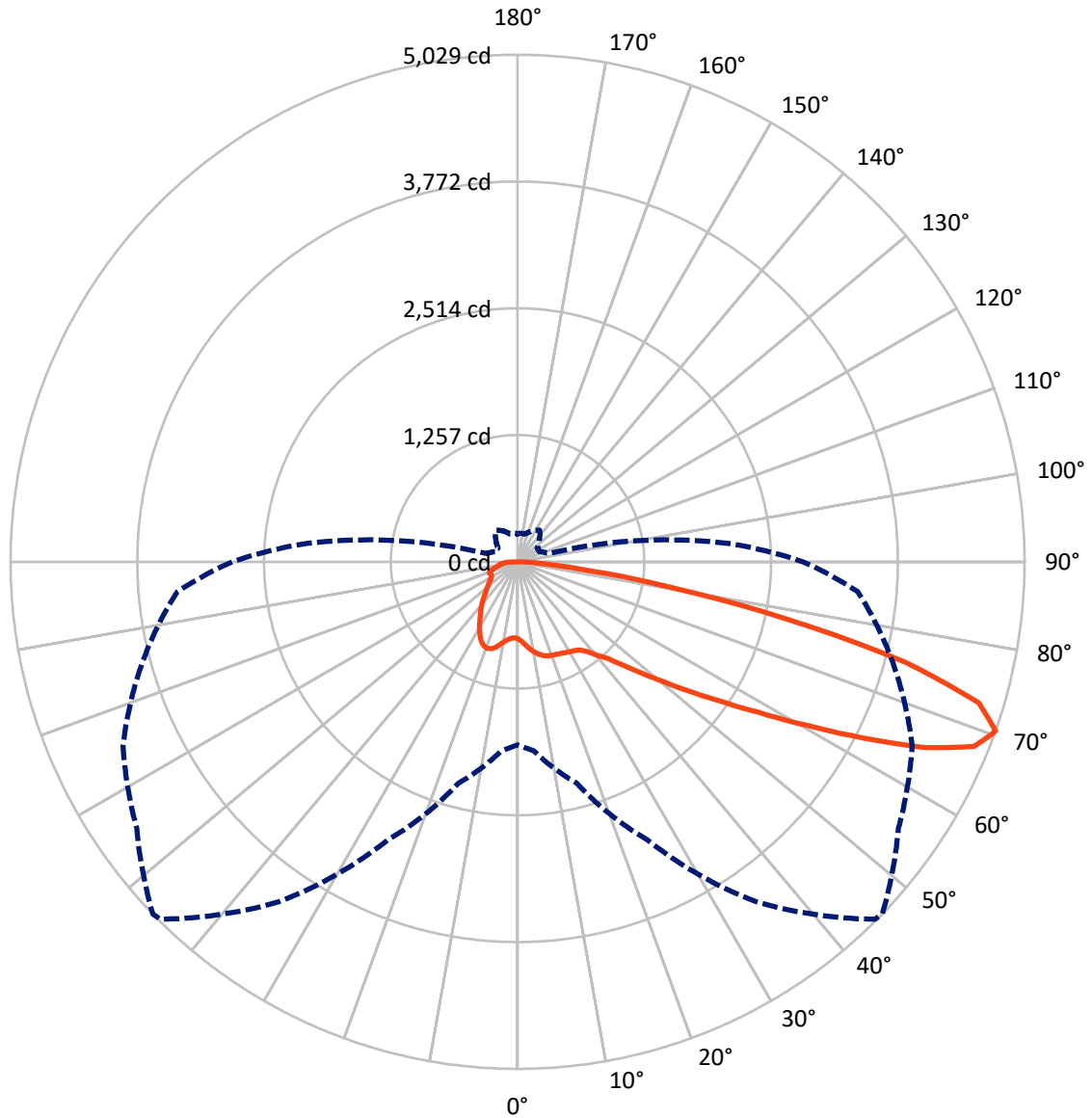
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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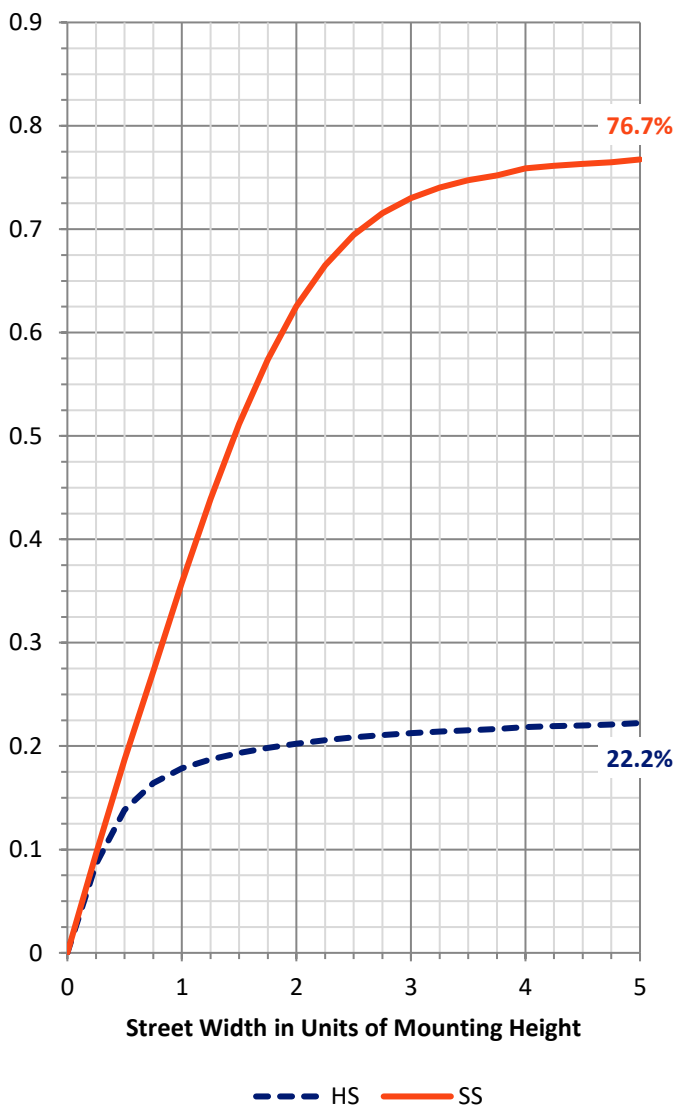
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1717.6	0.0	1717.6
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	5776.4	0.0	5776.4
	% Fixture	77.1	0.0	77.1
Total	Lumens	7494.0	0.0	7494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	1.0
10°-20°	259.3	3.5
20°-30°	432.4	5.8
30°-40°	613.6	8.2
40°-50°	902.5	12.0
50°-60°	1528.4	20.4
60°-70°	2169.6	29.0
70°-80°	1318.0	17.6
80°-90°	192.3	2.6
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°	7494.0	100.0
0°-180°	7494.0	100.0

Coefficient of Utilization



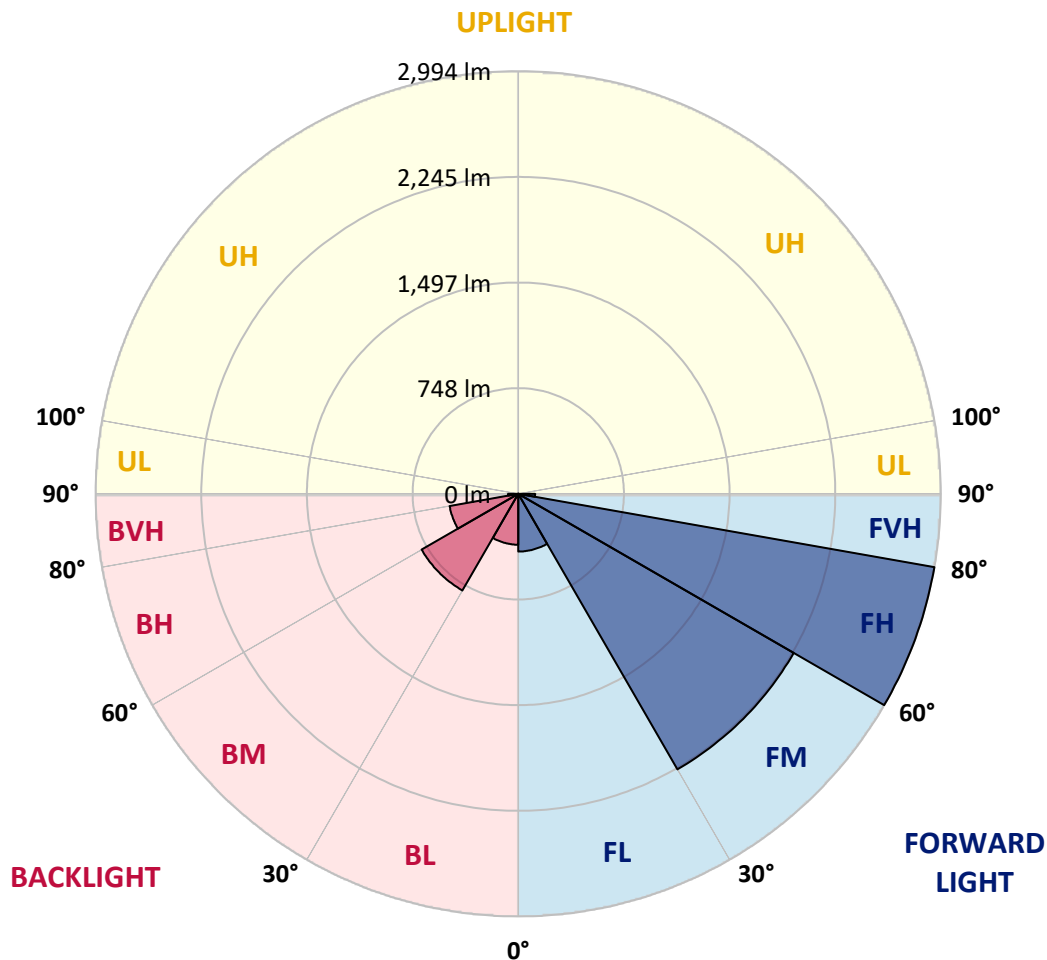
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.9	5.5			
FM (30°-60°)	2253.9	30.1			
FH (60°-80°)	2993.8	39.9			G2/5000
FVH (80°-90°)	119.8	1.6			G2/225
BL (0°-30°)	360.6	4.8	B1/500		
BM (30°-60°)	790.7	10.6	B1/1000		
BH (60°-80°)	493.8	6.6	B1/500		G1/500
BVH (80°-90°)	72.5	1.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5
2.5°	801.7	802.2	803.2	800.7	793.5	791.4	790.7	783.2	778.4	771.2	765.0
5°	865.8	866.3	864.8	857.6	841.7	829.9	828.9	812.0	796.6	780.2	767.9
7.5°	932.8	933.5	928.7	915.1	892.7	872.2	871.0	847.9	824.5	799.7	781.2
10°	992.0	988.9	981.0	962.0	935.6	910.4	909.4	885.3	858.4	828.4	803.8
12.5°	1031.5	1028.9	1018.7	995.6	966.6	943.5	941.5	919.2	893.0	860.2	830.7
15°	1053.3	1055.1	1041.2	1015.1	986.9	967.4	965.6	949.7	926.3	893.3	859.4
17.5°	1056.1	1057.7	1044.3	1018.4	995.3	982.0	981.2	970.7	953.8	922.0	886.6
20°	1039.7	1040.7	1029.7	1008.4	993.3	989.2	988.9	984.3	971.7	943.5	909.2
22.5°	1015.9	1016.6	1008.7	993.3	988.2	994.6	996.4	994.6	985.6	959.2	926.9
25°	1010.0	1009.4	1001.2	985.6	989.9	1003.5	1005.8	1006.6	1000.5	977.4	949.4
27.5°	1038.4	1036.6	1021.0	995.8	998.7	1015.1	1018.2	1025.6	1021.8	1001.5	975.1
30°	1120.7	1117.7	1085.6	1034.8	1021.0	1029.4	1033.3	1045.1	1045.9	1028.9	1009.2
32.5°	1259.7	1255.9	1198.5	1107.7	1058.7	1044.1	1047.7	1065.3	1074.8	1061.8	1040.5
35°	1435.4	1431.1	1355.7	1231.5	1121.8	1072.0	1074.6	1088.7	1107.7	1089.2	1061.0
37.5°	1618.5	1608.0	1535.4	1377.2	1222.0	1131.8	1131.8	1133.6	1142.5	1104.1	1085.1
40°	1800.6	1790.1	1724.5	1548.5	1351.8	1225.9	1220.0	1180.2	1173.1	1140.0	1133.6
42.5°	1969.9	1966.8	1928.1	1742.2	1504.2	1318.5	1310.3	1242.8	1244.4	1223.8	1224.1
45°	2149.9	2149.9	2118.4	1937.6	1681.6	1467.2	1459.0	1359.8	1375.2	1365.7	1388.5
47.5°	2296.9	2301.5	2297.1	2141.2	1888.1	1656.2	1641.4	1521.9	1564.9	1597.5	1663.9
50°	2446.9	2454.1	2454.9	2364.6	2137.6	1880.9	1864.0	1737.0	1833.2	1926.6	2057.1
52.5°	2664.7	2680.8	2616.4	2587.5	2443.3	2147.6	2131.0	2013.8	2174.3	2305.4	2530.3
55°	2866.5	2852.4	2806.5	2824.4	2770.6	2451.3	2438.7	2335.9	2554.4	2724.7	3016.8
57.5°	2975.7	2974.7	3020.9	3097.8	3123.5	2825.7	2815.2	2715.2	2982.9	3110.9	3473.5
60°	3104.0	3105.8	3220.2	3394.8	3500.5	3292.0	3287.3	3211.4	3399.2	3471.5	3831.8
62.5°	3121.9	3154.2	3351.2	3651.8	3853.4	3836.7	3847.0	3658.5	3771.6	3759.2	4099.3
65°	2915.5	2958.1	3314.5	3729.5	4204.2	4432.5	4441.9	4108.0	4065.2	4005.2	4195.0
67.5°	2492.3	2555.4	2942.7	3560.5	4319.9	4872.8	4886.1	4456.6	4308.8	4088.5	3964.7
70°	1813.7	1883.7	2273.5	3040.9	4113.7	5013.6	5028.7	4610.7	4318.1	3851.3	3384.5
72.5°	1095.6	1150.5	1471.8	2238.7	3472.0	4757.1	4784.1	4415.3	3942.4	3262.2	2499.2
75°	481.1	517.0	711.7	1290.0	2485.6	3935.9	3969.5	3779.2	3203.2	2370.7	1477.2
77.5°	204.9	215.2	291.9	560.4	1405.2	2689.5	2735.7	2761.3	2173.3	1290.0	624.2
80°	127.7	131.8	165.2	253.6	657.6	1510.6	1560.3	1624.7	1079.2	474.2	218.0
82.5°	77.7	82.3	109.8	153.4	342.4	684.8	708.6	754.0	418.8	204.9	112.8
85°	46.7	50.0	67.2	96.9	194.9	269.3	269.0	297.5	197.2	131.8	59.5
87.5°	22.3	24.9	35.9	50.3	98.2	101.0	94.6	107.2	119.8	86.4	30.0
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°	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5	763.5
2.5°	763.0	762.0	758.6	756.1	755.5	754.0	752.7	753.5	754.5	754.8	754.8
5°	762.7	759.9	755.5	753.7	756.1	759.1	763.0	768.1	771.2	773.5	775.0
7.5°	775.0	769.6	764.8	763.7	768.4	776.6	785.3	796.1	803.5	808.6	809.7
10°	795.5	788.9	784.0	785.0	793.2	805.0	817.3	831.2	842.5	849.4	849.9
12.5°	819.1	812.7	808.1	812.5	826.1	840.4	853.3	865.3	875.6	882.5	882.5
15°	846.3	841.7	836.3	846.3	864.8	877.6	883.0	888.9	894.5	899.7	898.6
17.5°	872.5	868.1	865.3	877.1	896.3	902.2	898.6	894.3	894.3	897.1	897.6
20°	895.1	891.2	893.0	904.5	914.5	908.4	895.1	881.2	875.6	877.1	878.6
22.5°	914.8	913.0	918.4	923.8	916.6	895.1	870.4	851.7	844.8	844.3	844.8
25°	937.9	937.6	944.3	934.6	902.8	863.0	829.9	811.7	807.9	810.9	816.1
27.5°	966.6	969.4	972.8	937.1	874.5	814.5	780.9	768.4	772.2	779.6	784.5
30°	1003.3	1011.0	1003.8	930.7	834.0	759.1	727.1	723.5	734.0	744.5	749.6
32.5°	1038.9	1051.0	1033.5	914.0	781.7	700.4	675.5	674.5	687.3	697.6	704.8
35°	1067.7	1091.5	1055.9	881.0	721.2	646.3	628.1	621.2	625.8	637.8	646.0
37.5°	1105.1	1144.9	1071.2	830.4	655.5	601.7	580.4	564.5	560.4	565.2	569.3
40°	1173.6	1226.2	1078.4	759.9	591.4	557.0	535.5	512.2	496.0	484.2	484.5
42.5°	1285.4	1332.1	1073.8	674.2	532.2	513.4	489.1	462.1	436.0	409.3	407.3
45°	1467.0	1489.5	1060.0	583.5	480.1	467.8	445.0	418.0	383.2	352.9	350.1
47.5°	1757.5	1707.5	1038.4	504.2	434.2	429.1	408.0	377.0	340.1	315.7	313.7
50°	2153.8	2022.2	1027.9	441.1	393.7	395.2	378.0	345.2	310.3	292.4	290.3
52.5°	2627.7	2388.7	1048.2	392.4	361.1	366.5	353.7	322.9	293.7	279.5	277.5
55°	3119.4	2768.3	1070.0	357.0	330.3	340.8	336.5	311.1	284.7	271.6	269.8
57.5°	3540.2	3051.7	1026.4	328.3	302.9	319.3	323.1	303.7	280.1	268.3	266.2
60°	3805.1	3165.8	912.0	301.3	281.1	302.1	315.5	301.6	281.9	280.8	279.3
62.5°	3930.8	3155.8	740.4	280.1	267.5	294.7	321.1	313.1	302.4	311.6	312.4
65°	3874.4	3005.0	551.4	266.0	257.7	297.5	338.0	334.9	308.3	317.5	318.8
67.5°	3503.0	2645.2	408.3	253.6	247.0	305.4	368.8	342.1	296.7	303.4	299.3
70°	2831.4	2097.1	314.9	239.8	235.9	304.4	382.6	337.8	284.2	285.7	274.7
72.5°	1952.5	1430.0	256.2	227.0	220.0	277.5	372.9	327.0	273.6	261.8	247.2
75°	1061.8	767.6	217.7	213.6	192.1	243.6	354.9	319.3	264.2	248.5	240.3
77.5°	417.8	318.5	189.0	195.4	168.0	215.2	334.9	304.7	251.1	230.6	226.5
80°	170.5	162.6	156.7	169.0	144.4	188.2	310.8	287.5	235.4	213.9	205.7
82.5°	96.7	101.0	121.8	133.4	117.2	173.4	299.3	273.6	216.7	191.6	181.8
85°	49.5	59.2	84.9	95.7	86.2	147.5	275.7	239.5	173.9	146.7	147.5
87.5°	23.9	33.1	53.6	60.0	55.9	106.7	205.9	173.6	135.4	107.2	103.9
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)