

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P318026

Luminaire Tested: **GAN-SA2A-730-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2A-730-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8520 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

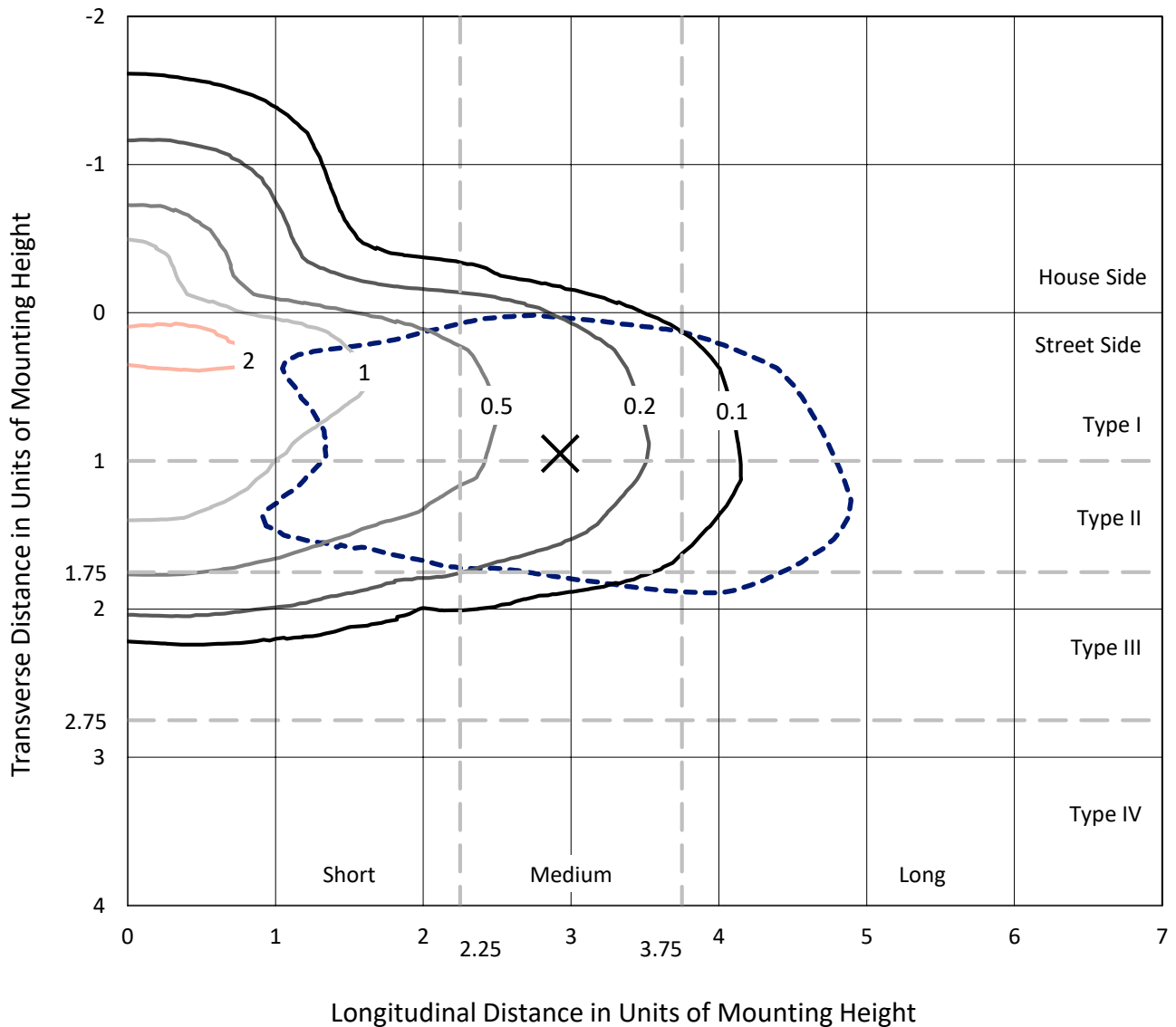
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

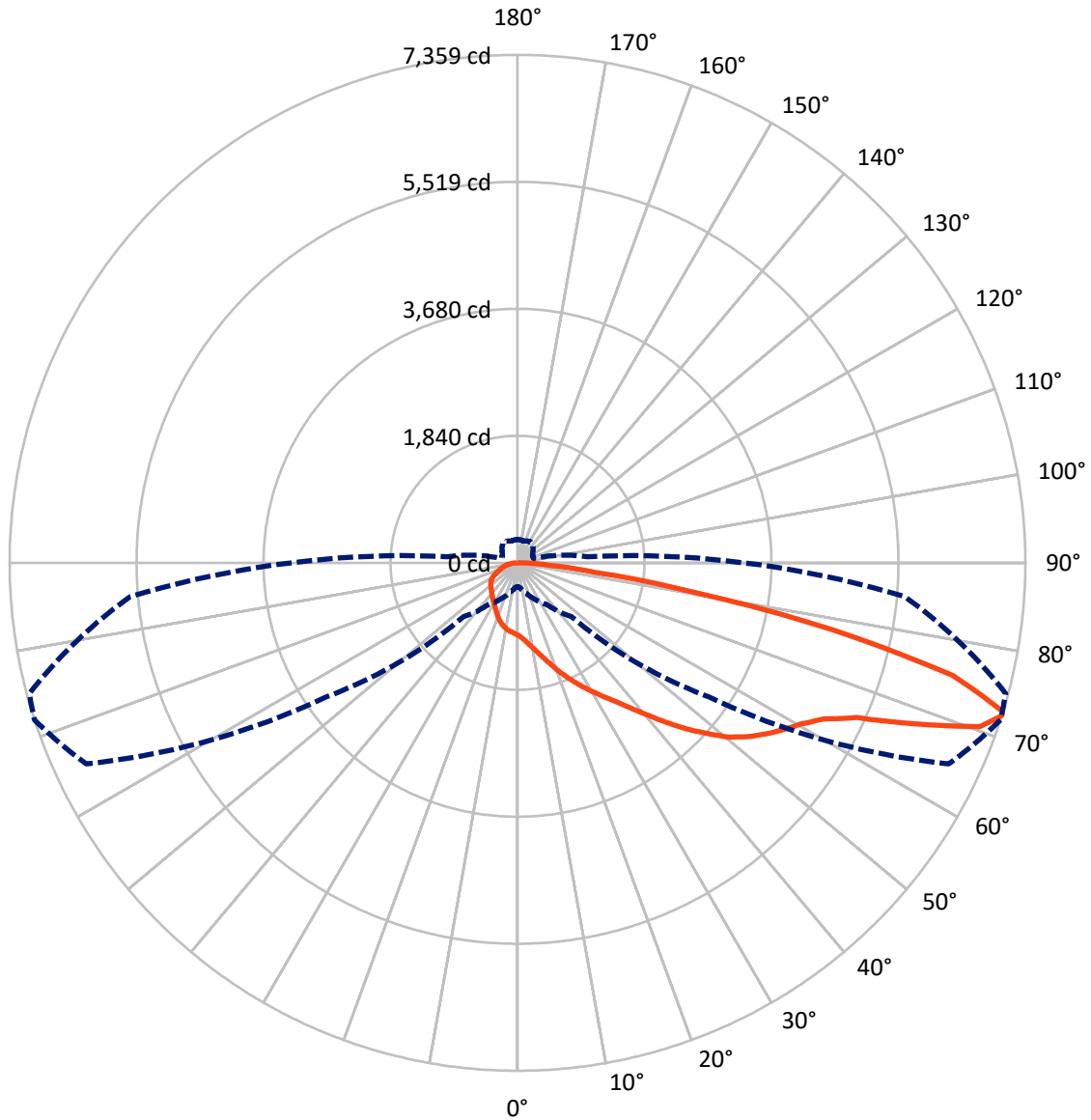
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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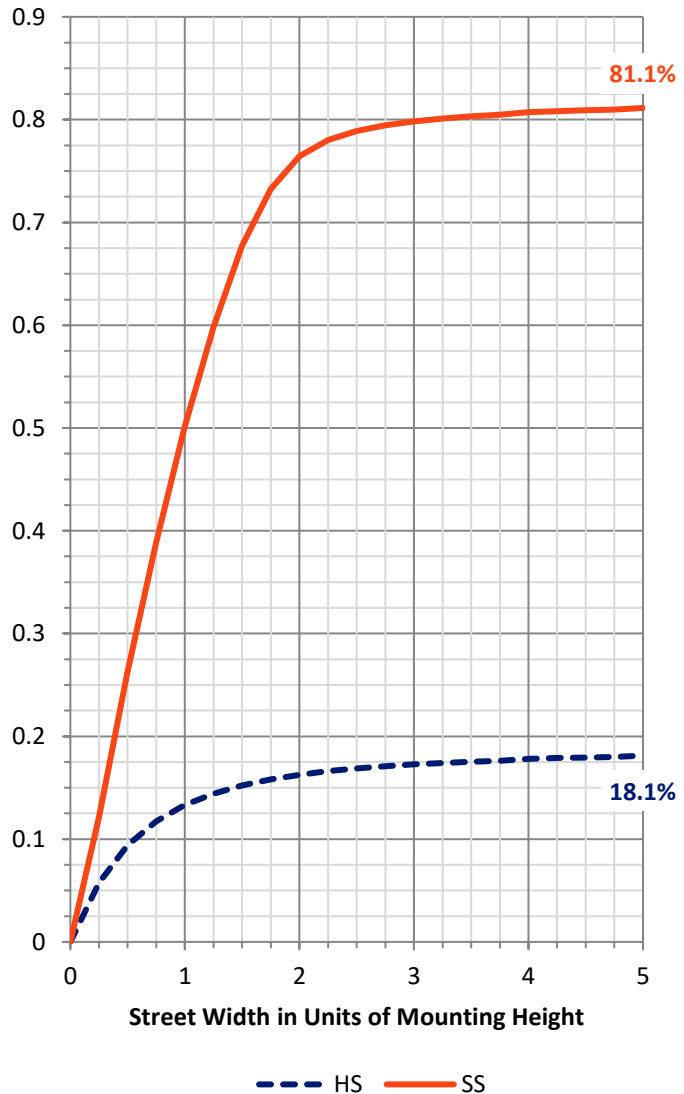
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1580.5	0.0	1580.5
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	6939.5	0.0	6939.5
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	8520.0	0.0	8520.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.0	1.2
10°-20°	339.4	4.0
20°-30°	594.7	7.0
30°-40°	881.8	10.4
40°-50°	1289.7	15.1
50°-60°	1774.7	20.8
60°-70°	1975.7	23.2
70°-80°	1338.8	15.7
80°-90°	220.0	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°	8520.0	100.0
0°-180°	8520.0	100.0

**Coefficient of Utilization**

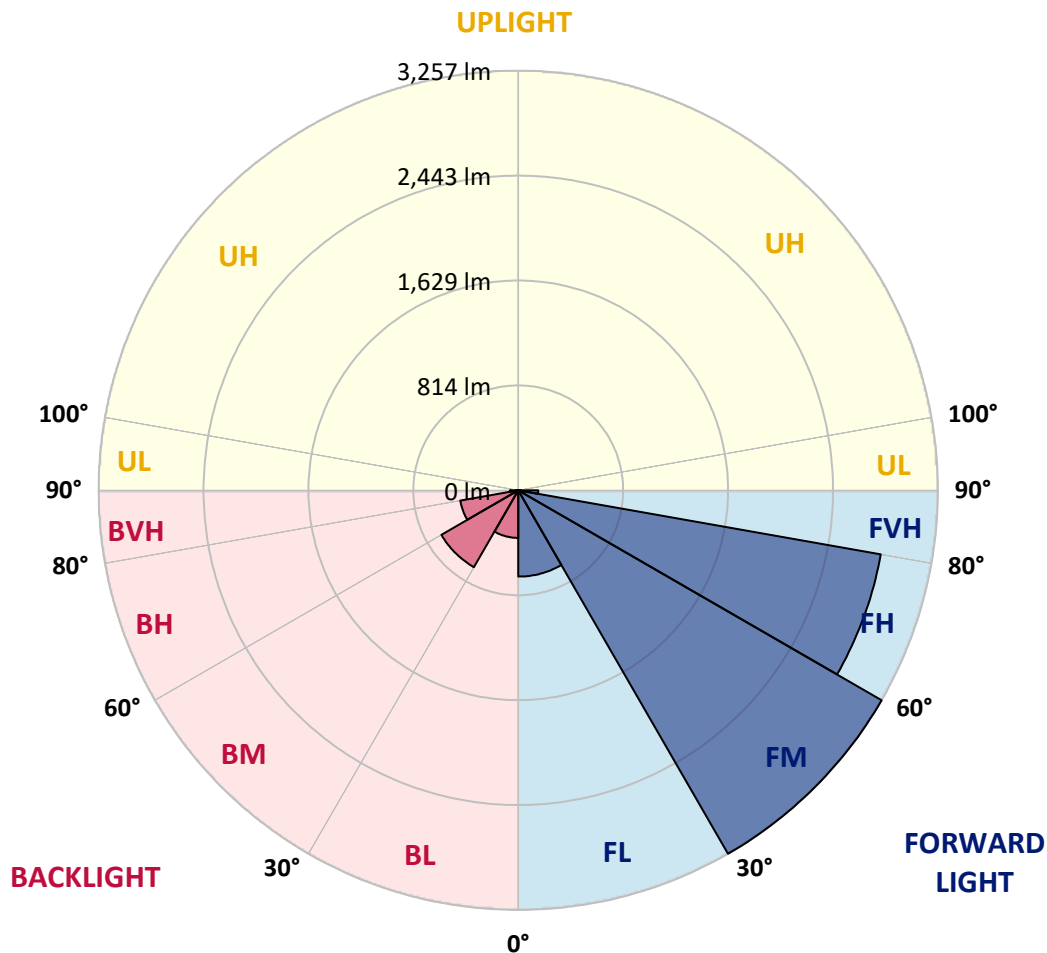


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.7	7.9			
FM (30°-60°)	3257.3	38.2			
FH (60°-80°)	2857.3	33.5			G2/5000
FVH (80°-90°)	155.2	1.8			G2/225
BL (0°-30°)	369.5	4.3	B1/500		
BM (30°-60°)	689.0	8.1	B1/1000		
BH (60°-80°)	457.3	5.4	B1/500		G1/500
BVH (80°-90°)	64.8	0.8			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2
2.5°	1157.9	1156.1	1150.0	1150.0	1138.2	1128.3	1109.5	1096.9	1081.9	1076.6	1059.0
5°	1270.0	1270.6	1262.9	1257.6	1240.3	1219.2	1187.2	1158.2	1129.2	1117.4	1081.3
7.5°	1364.1	1363.0	1360.9	1356.5	1340.4	1318.7	1275.5	1232.4	1189.6	1172.0	1109.8
10°	1424.6	1427.2	1429.0	1431.0	1424.3	1408.7	1367.9	1315.4	1259.4	1235.3	1143.8
12.5°	1455.1	1459.8	1468.0	1482.1	1493.2	1491.5	1461.8	1406.1	1339.5	1309.3	1186.4
15°	1473.0	1479.1	1492.0	1517.3	1548.7	1566.6	1558.6	1508.2	1434.0	1396.7	1238.3
17.5°	1484.1	1489.1	1509.1	1542.8	1589.4	1637.0	1657.8	1615.5	1540.7	1498.2	1297.8
20°	1491.7	1495.6	1520.5	1560.1	1620.5	1696.2	1754.3	1743.7	1658.4	1603.2	1360.0
22.5°	1508.8	1512.0	1535.7	1575.6	1642.5	1740.2	1847.3	1863.1	1782.5	1720.0	1426.6
25°	1556.3	1556.3	1576.2	1604.1	1666.9	1778.4	1925.9	1996.0	1909.2	1836.4	1488.2
27.5°	1646.9	1646.1	1653.4	1663.1	1710.6	1817.1	1996.0	2113.4	2040.6	1961.1	1548.1
30°	1754.3	1760.2	1761.1	1756.4	1778.7	1865.5	2060.9	2237.2	2172.9	2087.3	1609.4
32.5°	1892.5	1896.3	1891.9	1876.3	1873.1	1934.1	2124.5	2366.8	2316.1	2219.0	1665.4
35°	2067.9	2060.6	2046.8	2015.1	1984.9	2026.0	2197.3	2496.5	2476.9	2378.3	1742.6
37.5°	2256.0	2256.2	2239.2	2167.4	2125.7	2143.3	2297.6	2643.5	2671.4	2567.8	1841.4
40°	2406.7	2414.7	2425.2	2330.8	2276.8	2301.1	2425.2	2813.9	2901.3	2792.5	1970.2
42.5°	2512.1	2521.2	2551.1	2491.8	2435.8	2481.0	2575.4	2995.8	3159.5	3051.8	2121.0
45°	2623.5	2628.5	2649.6	2624.1	2588.3	2690.1	2744.7	3184.2	3432.6	3328.2	2289.7
47.5°	2740.9	2746.2	2767.9	2750.9	2732.1	2885.5	2921.3	3361.6	3694.3	3631.8	2469.8
50°	2885.8	2889.3	2909.9	2879.1	2884.9	3032.8	3079.1	3524.5	3968.6	3904.6	2650.5
52.5°	3083.5	3084.4	3112.9	3085.0	3057.4	3140.7	3215.0	3677.9	4183.6	4153.4	2831.2
55°	3238.4	3247.8	3341.1	3335.2	3319.4	3238.7	3328.5	3824.0	4375.5	4389.9	3023.1
57.5°	3139.6	3176.2	3365.2	3498.3	3628.0	3482.5	3481.9	3988.5	4553.9	4621.9	3234.0
60°	2749.7	2799.6	3078.0	3373.4	3779.1	3906.7	3800.5	4189.5	4734.0	4851.9	3498.3
62.5°	1963.8	2045.9	2423.2	2894.9	3572.0	4187.7	4448.8	4508.4	4978.9	5118.3	3841.9
65°	992.7	1054.9	1371.2	1939.4	2853.8	4004.1	5153.5	5206.6	5404.6	5528.4	4370.8
67.5°	603.2	626.6	780.9	1078.7	1749.6	3119.0	5383.5	6370.4	6228.4	6294.1	5125.0
70°	444.4	461.8	558.0	716.4	1006.2	1830.3	4677.7	7200.9	7107.6	7100.2	5682.4
72°	346.2	358.8	443.9	578.8	735.8	1098.1	3390.4	6894.3	7359.3	7322.3	5631.4
72.5°	328.3	339.4	416.9	544.8	695.3	995.4	3048.3	6687.5	7341.1	7324.4	5565.4
75°	258.5	266.4	308.6	421.3	544.2	564.7	1670.4	5182.5	6512.3	6783.1	5005.6
77.5°	213.9	215.0	237.3	306.6	424.2	399.3	820.5	3595.7	4663.3	4961.0	3545.9
80°	174.3	175.7	186.3	215.0	320.9	295.4	389.6	2067.6	2610.9	2614.1	1686.2
82.5°	138.8	139.1	150.8	157.2	230.6	211.2	223.2	970.7	1140.9	1097.5	606.1
85°	97.7	95.6	147.3	129.1	150.8	135.5	123.2	384.3	471.7	451.2	189.8
87.5°	32.6	33.7	65.4	83.6	88.0	76.9	54.9	147.3	178.1	176.6	60.1
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°	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2
2.5°	1053.5	1044.1	1030.3	1015.0	1003.0	990.7	981.6	976.9	971.6	967.2	972.5
5°	1064.6	1047.0	1017.7	988.9	967.8	949.0	935.5	928.5	922.0	917.6	918.2
7.5°	1082.8	1054.3	1005.1	963.1	933.8	913.5	899.7	895.0	890.9	889.8	891.2
10°	1102.2	1060.2	988.3	932.6	899.2	882.4	876.3	879.5	882.4	885.1	888.0
12.5°	1124.2	1065.5	964.0	896.8	868.4	861.9	868.1	882.1	892.4	898.6	902.4
15°	1152.9	1070.2	935.8	861.0	841.9	849.3	870.1	894.5	912.4	923.8	925.6
17.5°	1179.3	1069.9	899.7	824.9	820.5	841.9	873.3	907.7	931.7	947.9	951.1
20°	1206.6	1062.0	857.8	789.7	798.8	834.0	874.8	916.2	945.2	964.0	968.4
22.5°	1232.1	1048.2	811.7	757.8	780.6	823.5	869.2	911.2	940.2	955.5	960.2
25°	1249.4	1024.1	765.1	730.8	764.5	810.6	851.0	884.8	906.5	914.1	915.3
27.5°	1258.2	992.7	721.1	707.3	747.8	789.4	817.3	834.0	840.2	839.6	838.4
30°	1259.4	951.4	683.2	688.2	728.4	758.3	771.5	768.3	760.4	746.9	748.1
32.5°	1255.6	904.7	651.6	670.0	703.8	720.5	721.1	705.5	684.4	663.0	657.1
35°	1256.8	859.0	623.7	649.5	673.9	681.2	674.4	651.6	622.8	595.2	589.4
37.5°	1269.7	819.1	599.6	625.7	640.7	642.5	632.8	608.7	587.6	560.6	558.3
40°	1300.5	790.6	576.7	599.0	607.6	608.4	594.6	577.6	579.4	565.0	564.7
42.5°	1355.9	778.3	556.5	571.2	576.5	578.2	567.7	556.8	572.1	562.7	559.4
45°	1427.5	781.2	539.5	543.9	553.6	561.8	555.3	542.1	548.0	507.2	493.7
47.5°	1510.2	800.0	526.0	520.4	537.1	552.7	542.7	522.8	501.9	461.5	453.8
50°	1607.0	829.0	513.7	497.2	519.3	540.4	530.4	501.9	470.6	450.9	448.3
52.5°	1708.0	864.5	501.4	471.7	496.7	531.0	526.0	497.2	458.5	439.2	435.6
55°	1822.4	900.3	485.8	442.1	472.3	526.6	523.9	480.2	449.4	438.6	435.9
57.5°	1964.6	941.1	465.3	411.3	449.4	510.7	502.5	470.0	440.0	431.8	430.9
60°	2150.0	1001.2	435.6	378.4	421.6	486.4	484.6	455.0	425.1	419.2	418.0
62.5°	2428.2	1100.7	394.9	345.6	390.5	445.0	461.2	434.8	409.2	408.9	409.5
65°	2859.4	1250.3	350.6	316.8	359.1	410.1	433.9	413.9	393.1	399.0	399.9
67.5°	3359.3	1374.4	307.1	288.7	327.1	377.0	409.2	393.1	371.7	386.9	387.2
70°	3525.6	1263.5	269.0	260.8	293.9	345.0	382.5	370.2	348.5	363.8	362.3
72°	3281.0	1020.0	244.4	239.7	269.0	318.6	358.8	348.8	327.4	337.7	333.8
72.5°	3203.8	972.5	238.2	234.4	262.3	311.8	352.6	343.5	322.1	330.9	327.4
75°	2857.9	844.6	204.8	205.6	228.8	279.0	318.0	315.1	293.1	293.9	292.8
77.5°	2072.9	619.3	172.5	178.4	194.8	245.3	283.1	281.3	257.3	252.9	252.0
80°	961.9	316.0	140.5	143.2	160.2	205.1	241.4	239.1	219.7	214.2	210.9
82.5°	329.4	150.2	105.6	107.4	124.1	165.2	209.5	208.0	191.9	181.0	174.3
85°	117.6	74.8	73.9	72.2	88.6	130.0	182.5	174.6	150.8	128.5	127.9
87.5°	38.1	32.0	38.1	37.8	51.6	88.0	132.6	112.9	109.4	90.9	89.2
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)