

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: P318685

Luminaire Tested: **GAN-SA1C-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6785 lumens  
Efficiency: N/A  
Efficacy: 115.0 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

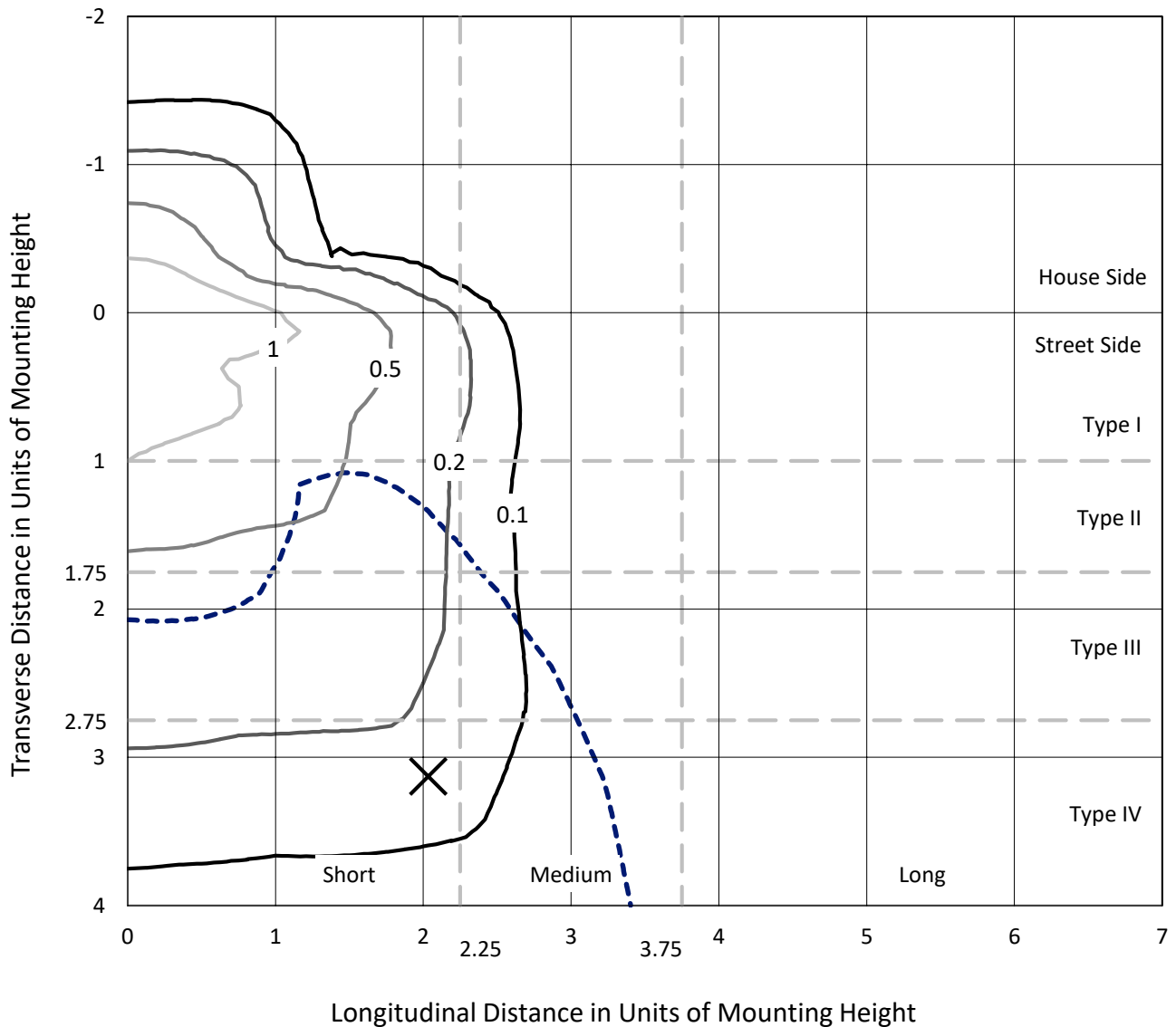
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

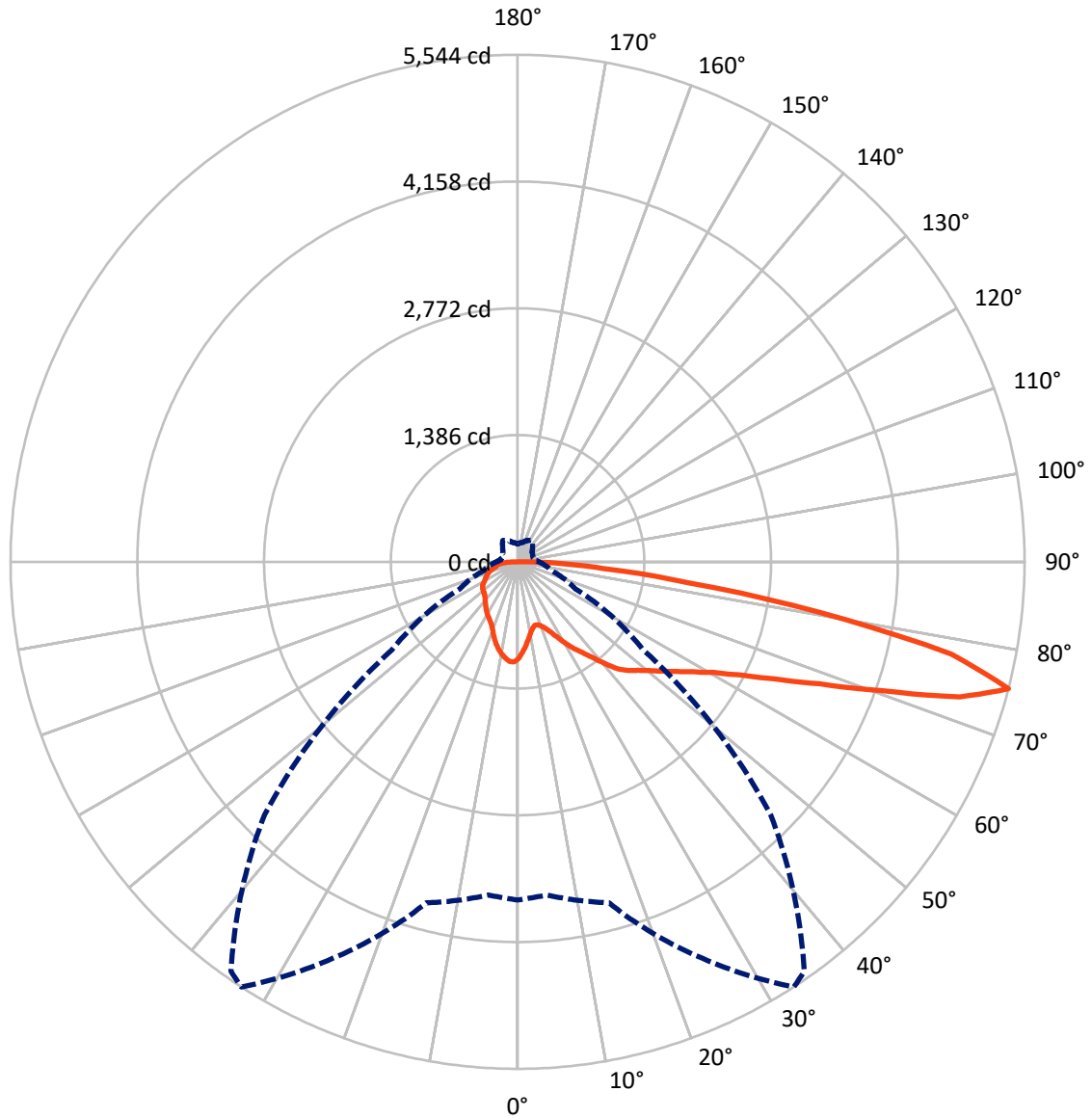
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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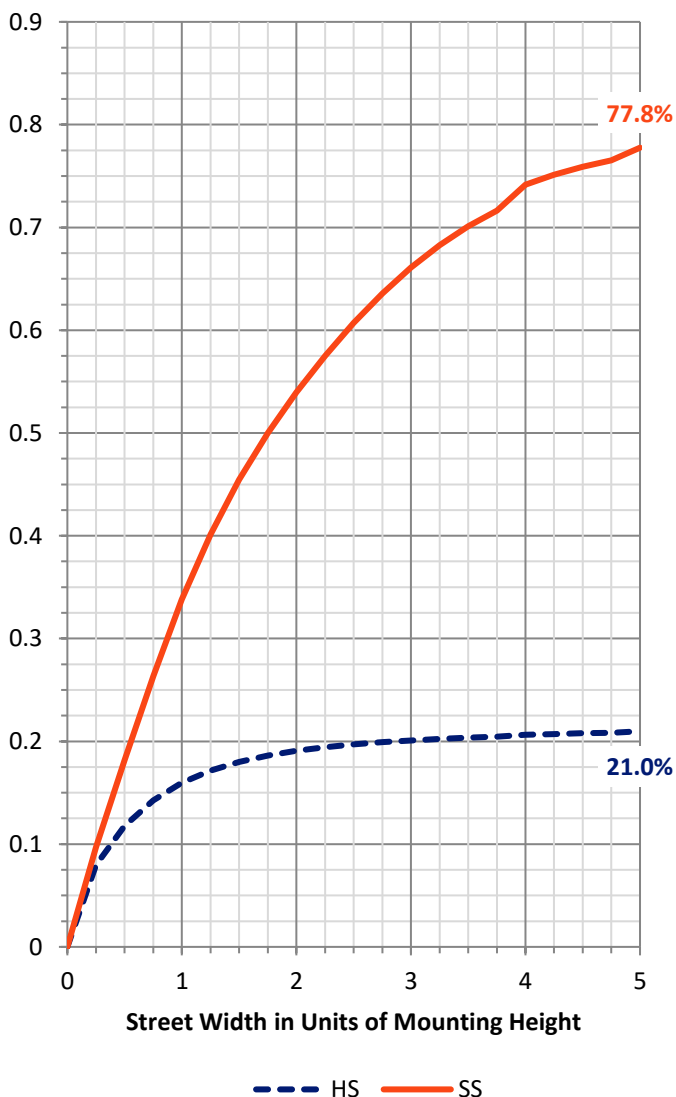
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1456.9	0.0	1456.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	5328.1	0.0	5328.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	6785.0	0.0	6785.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.9	1.4
10°-20°	259.8	3.8
20°-30°	424.2	6.3
30°-40°	631.8	9.3
40°-50°	906.2	13.4
50°-60°	1244.0	18.3
60°-70°	1557.5	23.0
70°-80°	1409.0	20.8
80°-90°	256.7	3.8
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°	6785.0	100.0
0°-180°	6785.0	100.0

**Coefficient of Utilization**

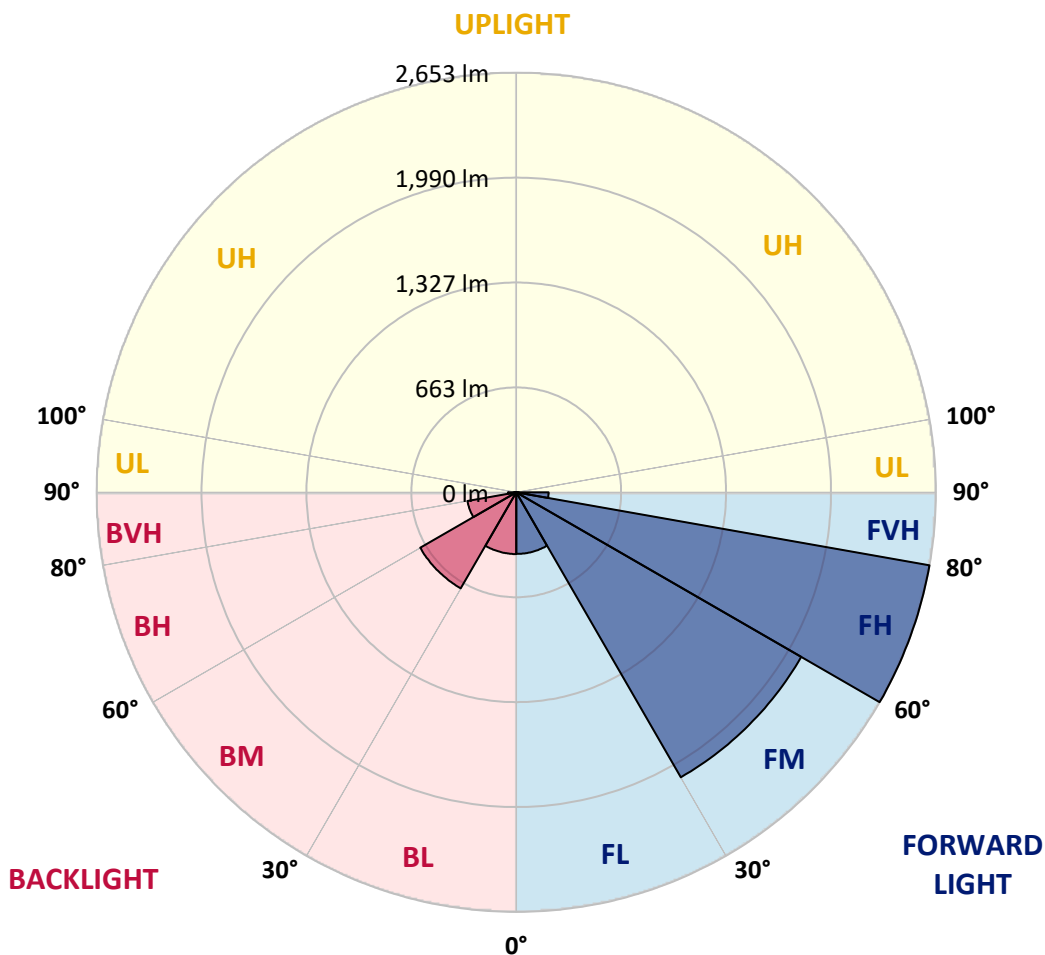


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.7	5.7			
FM (30°-60°)	2080.8	30.7			
FH (60°-80°)	2653.2	39.1			G2/5000
FVH (80°-90°)	204.4	3.0			G2/225
BL (0°-30°)	390.2	5.8	B1/500		
BM (30°-60°)	701.2	10.3	B1/1000		
BH (60°-80°)	313.3	4.6	B1/500		G1/500
BVH (80°-90°)	52.3	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	984.8	981.1	988.1	989.1	995.1	997.5	1005.9	1019.0	1029.8	1042.3	1053.5
5°	895.5	893.0	902.8	909.8	923.2	928.8	948.7	976.6	1001.5	1029.6	1055.1
7.5°	810.7	809.3	820.3	836.2	851.7	859.4	893.9	934.4	975.9	1021.4	1060.5
10°	739.2	738.7	749.3	765.0	787.7	796.4	840.9	894.4	952.5	1015.1	1069.7
12.5°	699.1	700.8	705.7	718.8	739.9	748.6	798.0	860.8	932.8	1013.0	1083.0
15°	709.0	711.6	703.1	702.6	717.6	724.4	770.8	836.9	918.7	1016.5	1102.5
17.5°	750.9	751.4	729.1	715.1	724.2	727.7	762.4	823.3	910.5	1024.4	1126.9
20°	810.0	808.8	769.4	746.0	750.9	751.9	774.4	823.6	909.8	1038.3	1158.5
22.5°	888.3	879.6	826.6	794.8	793.6	792.2	805.1	840.9	920.1	1060.8	1196.2
25°	990.5	982.3	909.4	865.8	856.4	852.9	854.8	878.0	940.5	1084.9	1238.4
27.5°	1104.1	1089.8	1019.5	957.9	938.4	933.5	922.3	930.2	962.8	1108.1	1288.6
30°	1199.3	1191.5	1130.1	1057.0	1034.0	1027.0	997.5	988.8	994.9	1139.8	1351.9
32.5°	1252.5	1247.3	1210.1	1151.0	1129.7	1119.8	1078.1	1060.8	1046.5	1189.7	1437.6
35°	1316.9	1313.7	1291.2	1248.3	1216.6	1206.3	1174.0	1155.9	1119.1	1258.3	1548.5
37.5°	1399.0	1395.5	1395.9	1361.2	1323.5	1313.9	1292.6	1273.6	1213.3	1348.6	1669.0
40°	1491.8	1485.0	1482.4	1480.8	1456.9	1451.5	1440.2	1414.4	1331.5	1456.4	1787.8
42.5°	1631.5	1607.3	1555.8	1575.2	1598.9	1596.1	1605.2	1568.2	1462.7	1583.9	1903.8
45°	1766.2	1726.6	1637.6	1641.8	1693.6	1709.3	1777.7	1751.5	1605.0	1723.6	2023.8
47.5°	1827.6	1797.6	1721.9	1722.2	1773.5	1806.1	1956.1	1937.3	1754.5	1882.2	2170.3
50°	1896.3	1866.3	1798.3	1823.9	1868.6	1903.3	2128.3	2118.7	1896.8	2055.9	2345.8
52.5°	1971.3	1920.4	1877.3	1923.0	1985.8	2026.1	2300.8	2274.6	2027.3	2230.8	2547.6
55°	1972.2	1958.4	1991.2	2024.7	2118.7	2168.2	2481.5	2412.2	2133.7	2402.5	2711.9
57.5°	2084.5	2062.0	2131.6	2147.1	2269.9	2325.7	2661.3	2531.9	2242.0	2534.3	2800.5
60°	2233.1	2213.9	2270.8	2311.6	2456.9	2531.5	2853.2	2655.0	2327.1	2633.6	2796.3
62.5°	2489.7	2467.9	2467.2	2524.4	2720.1	2806.8	3068.6	2775.7	2360.8	2653.3	2677.0
65°	2865.4	2830.7	2765.4	2792.5	3083.6	3170.1	3309.3	2863.1	2316.3	2547.9	2369.7
67.5°	3231.1	3229.9	3149.5	3205.3	3563.6	3633.0	3583.5	2871.8	2177.3	2180.6	1824.6
70°	3595.5	3600.2	3586.6	3780.7	4212.1	4284.3	3875.6	2755.3	1864.9	1574.7	1093.1
72.5°	3884.2	3883.1	3951.5	4451.9	5053.8	5037.6	4121.7	2402.3	1339.0	850.1	522.4
75°	3697.2	3656.4	3860.3	4784.2	5544.3	5465.3	3912.4	1675.8	694.9	386.9	281.2
77.5°	2411.5	2450.1	2749.4	3952.2	4849.6	4753.5	2870.4	781.9	327.4	253.8	203.9
80°	873.3	914.1	1287.4	2238.7	3341.2	3325.5	1413.5	321.3	221.5	191.7	148.6
82.5°	300.5	315.5	507.9	994.2	1886.5	1956.8	531.8	182.6	161.0	135.9	101.7
85°	117.9	135.0	232.3	478.4	951.6	958.6	215.4	109.2	112.0	89.1	55.8
87.5°	44.8	54.4	111.1	222.2	434.5	399.1	77.1	52.0	63.7	53.0	26.5
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°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1062.2	1067.1	1077.4	1084.4	1091.9	1094.0	1095.0	1096.9	1098.7	1098.0	1098.3
5°	1068.7	1078.3	1095.0	1102.0	1105.3	1101.5	1094.3	1088.4	1084.2	1081.9	1081.2
7.5°	1079.5	1093.1	1110.9	1109.8	1102.3	1085.6	1066.9	1052.8	1041.1	1036.9	1034.5
10°	1093.8	1109.8	1122.2	1108.8	1087.0	1058.2	1030.1	1008.3	990.7	983.9	982.7
12.5°	1112.1	1128.3	1130.6	1102.3	1066.2	1026.8	988.6	959.8	933.5	925.1	923.2
15°	1135.8	1151.0	1136.5	1090.8	1040.4	987.4	938.0	898.8	871.2	860.8	857.1
17.5°	1160.6	1175.1	1137.6	1071.8	1006.6	940.8	878.7	838.6	806.9	795.0	793.6
20°	1190.4	1196.9	1132.7	1044.6	960.2	880.3	814.9	777.2	760.3	751.9	750.9
22.5°	1227.2	1220.1	1121.5	1007.8	901.4	810.5	757.3	739.7	735.5	733.6	734.3
25°	1266.1	1244.5	1104.8	959.8	827.1	740.6	715.1	720.0	725.6	724.9	724.9
27.5°	1309.0	1269.4	1079.3	896.0	744.8	683.4	686.5	704.5	713.0	712.7	712.5
30°	1364.0	1297.5	1046.7	819.4	668.0	643.1	661.6	683.7	695.1	694.7	694.9
32.5°	1431.8	1328.4	1002.4	733.8	612.4	613.4	634.7	656.5	669.8	668.7	668.9
35°	1511.0	1363.1	942.4	649.4	575.6	589.7	606.6	621.8	634.4	632.8	631.2
37.5°	1597.2	1397.1	862.7	574.0	545.6	567.6	581.7	584.3	590.1	585.9	582.9
40°	1679.3	1423.1	760.1	512.1	515.4	548.9	558.0	547.7	537.2	535.8	531.6
42.5°	1750.8	1431.8	656.2	462.7	483.5	529.2	534.8	513.3	494.3	485.4	481.6
45°	1826.2	1434.8	559.4	421.2	452.8	511.6	517.7	488.9	462.2	443.0	436.6
47.5°	1924.9	1456.9	484.2	390.5	429.4	499.9	508.6	469.4	434.8	407.3	401.5
50°	2054.0	1500.4	423.0	367.0	414.1	492.2	502.0	450.5	412.3	379.2	373.4
52.5°	2197.5	1540.5	373.6	348.0	399.4	478.6	493.6	436.9	391.2	353.2	346.9
55°	2297.8	1509.8	333.7	328.4	380.2	459.1	481.9	425.4	360.9	327.9	322.3
57.5°	2317.0	1404.8	303.5	308.0	356.9	434.8	463.8	399.8	344.5	316.9	311.0
60°	2264.5	1258.6	281.0	289.2	332.1	404.1	430.1	381.8	328.8	305.2	300.2
62.5°	2132.6	1108.8	264.4	272.3	308.9	372.9	409.0	362.8	312.9	291.8	286.9
65°	1866.1	930.9	248.4	257.3	287.3	345.9	390.0	345.2	297.2	281.0	276.3
67.5°	1408.6	697.3	233.4	241.4	268.1	322.5	369.4	327.9	281.9	271.6	266.0
70°	829.4	436.6	216.3	224.8	248.0	298.1	347.3	308.9	263.0	258.3	251.0
72.5°	386.0	262.7	196.9	205.1	222.7	265.5	319.0	284.1	240.5	230.2	220.3
75°	230.4	192.2	173.9	181.2	193.6	230.9	283.4	258.7	219.1	205.5	195.2
77.5°	172.3	147.0	148.6	156.3	166.4	202.0	251.0	238.8	202.7	192.2	185.2
80°	124.0	111.6	121.2	129.6	140.2	183.7	240.5	220.8	183.3	169.2	162.7
82.5°	82.7	80.2	91.2	99.8	110.2	160.8	225.9	193.4	156.6	138.7	124.2
85°	45.7	48.3	61.4	65.2	74.1	113.2	185.2	155.4	117.9	94.9	90.7
87.5°	19.0	22.3	33.0	31.9	39.4	67.5	121.9	93.7	75.0	56.0	43.6
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)