

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: P318725

Luminaire Tested: **GAN-SA1C-740-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318725  
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-740-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 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: 7451 lumens  
Efficiency: N/A  
Efficacy: 126.3 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

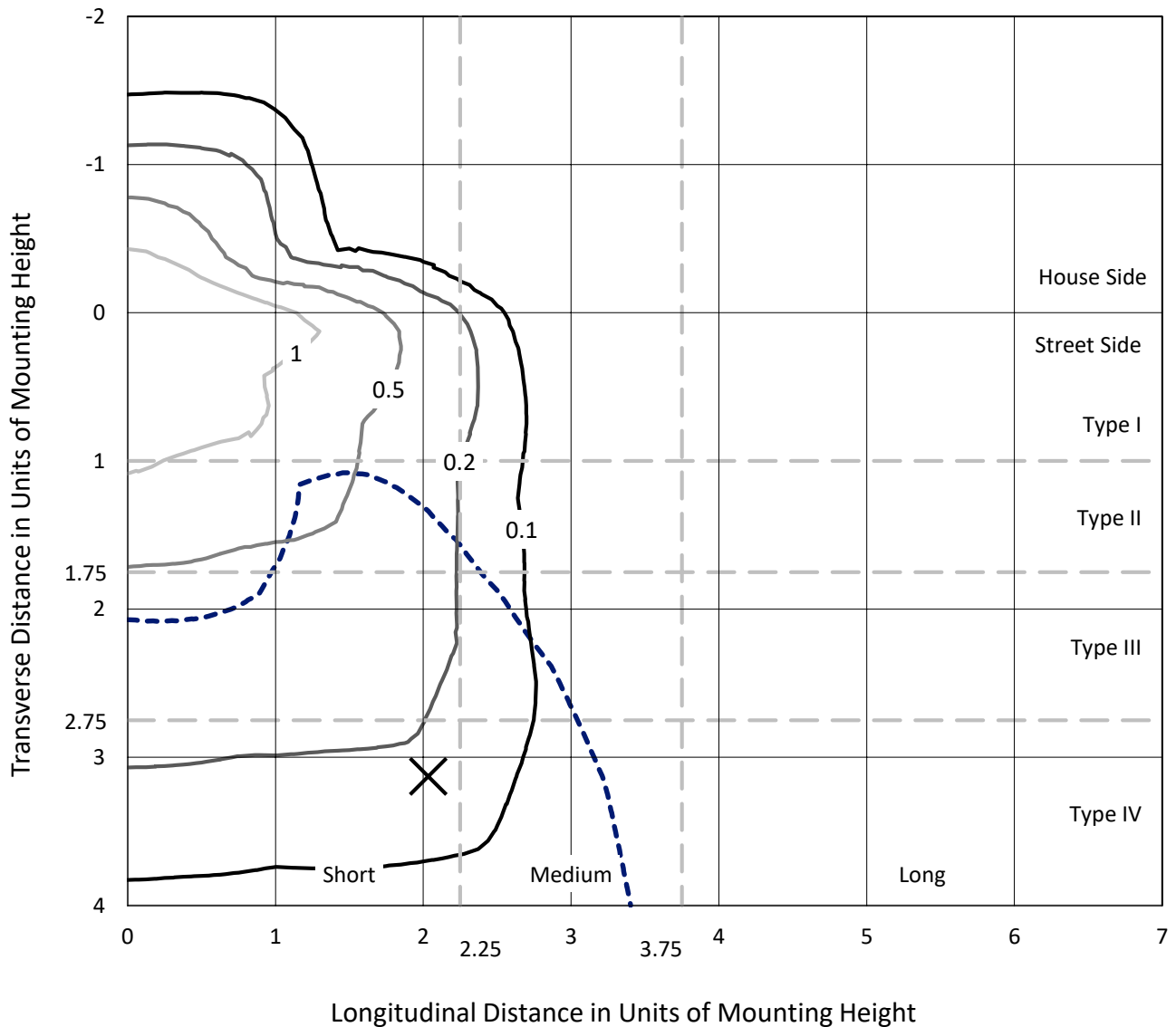
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

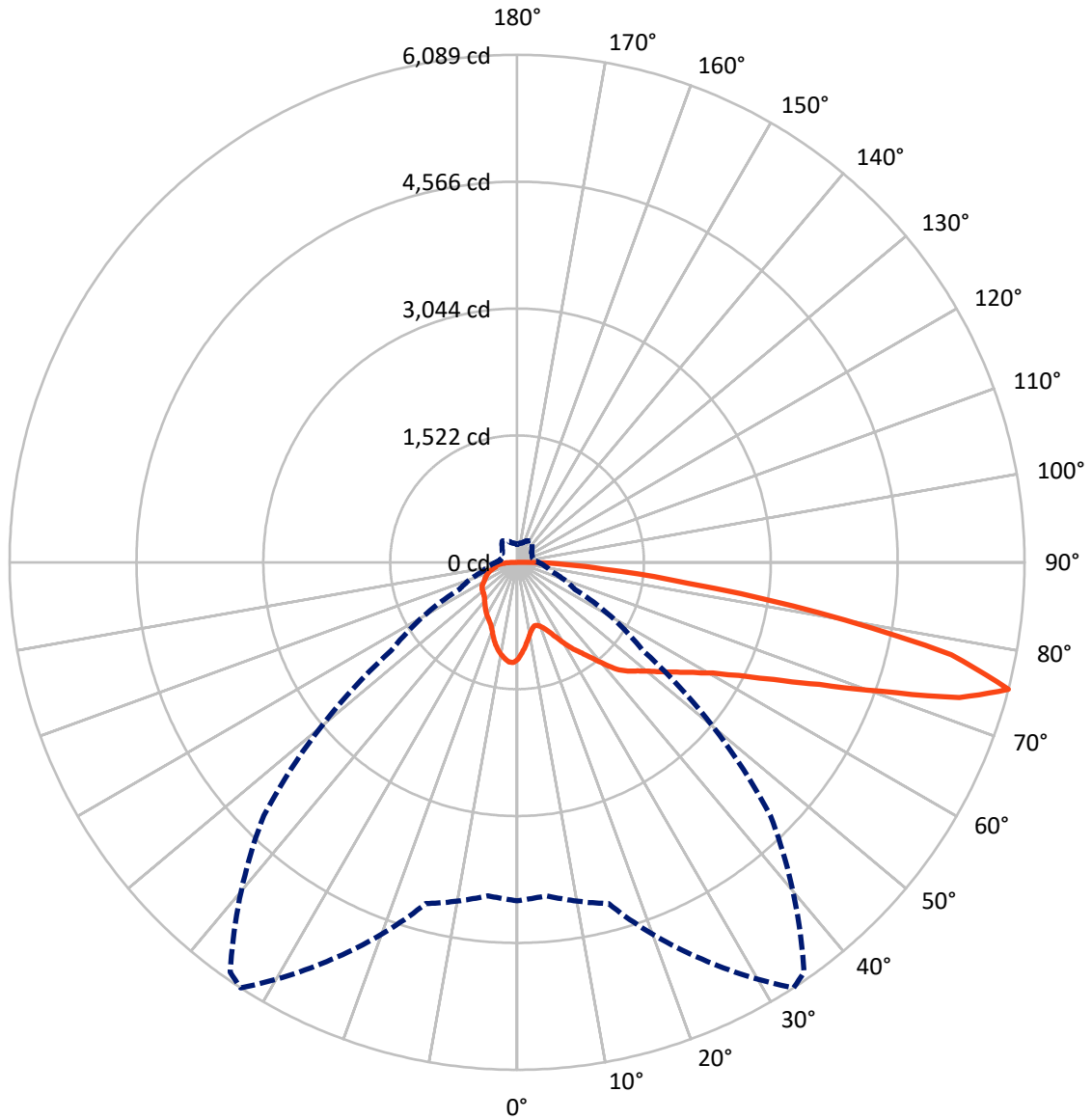
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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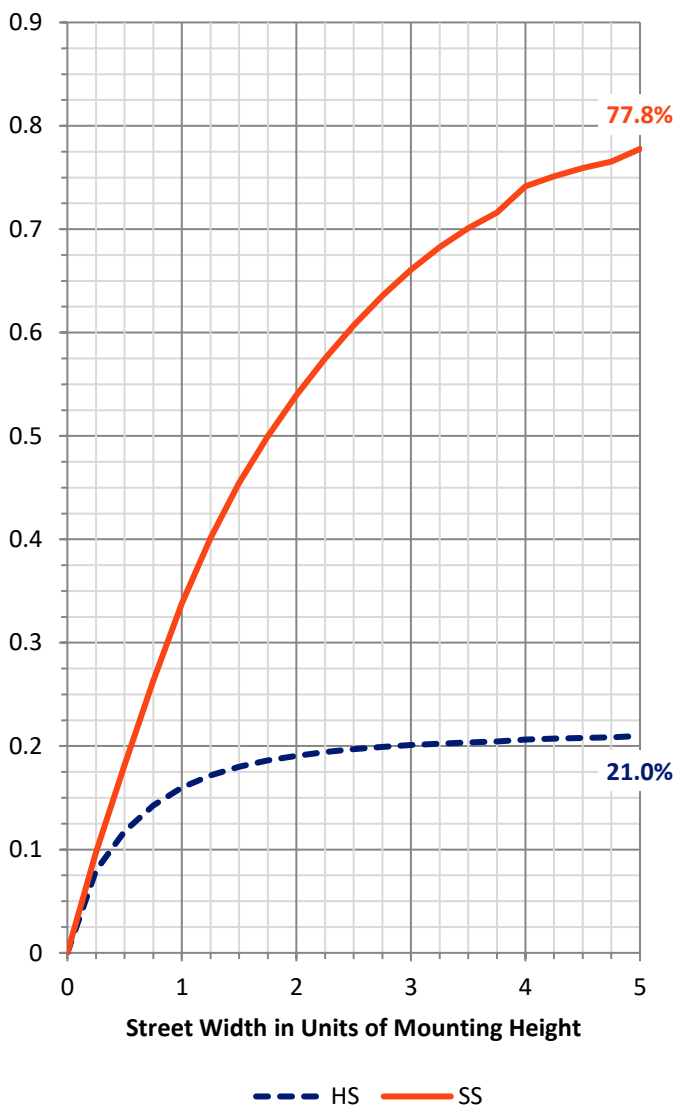
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1599.9	0.0	1599.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	5851.1	0.0	5851.1
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	7451.0	0.0	7451.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.3	1.4
10°-20°	285.3	3.8
20°-30°	465.9	6.3
30°-40°	693.8	9.3
40°-50°	995.1	13.4
50°-60°	1366.1	18.3
60°-70°	1710.3	23.0
70°-80°	1547.3	20.8
80°-90°	281.8	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°	7451.0	100.0
0°-180°	7451.0	100.0

**Coefficient of Utilization**

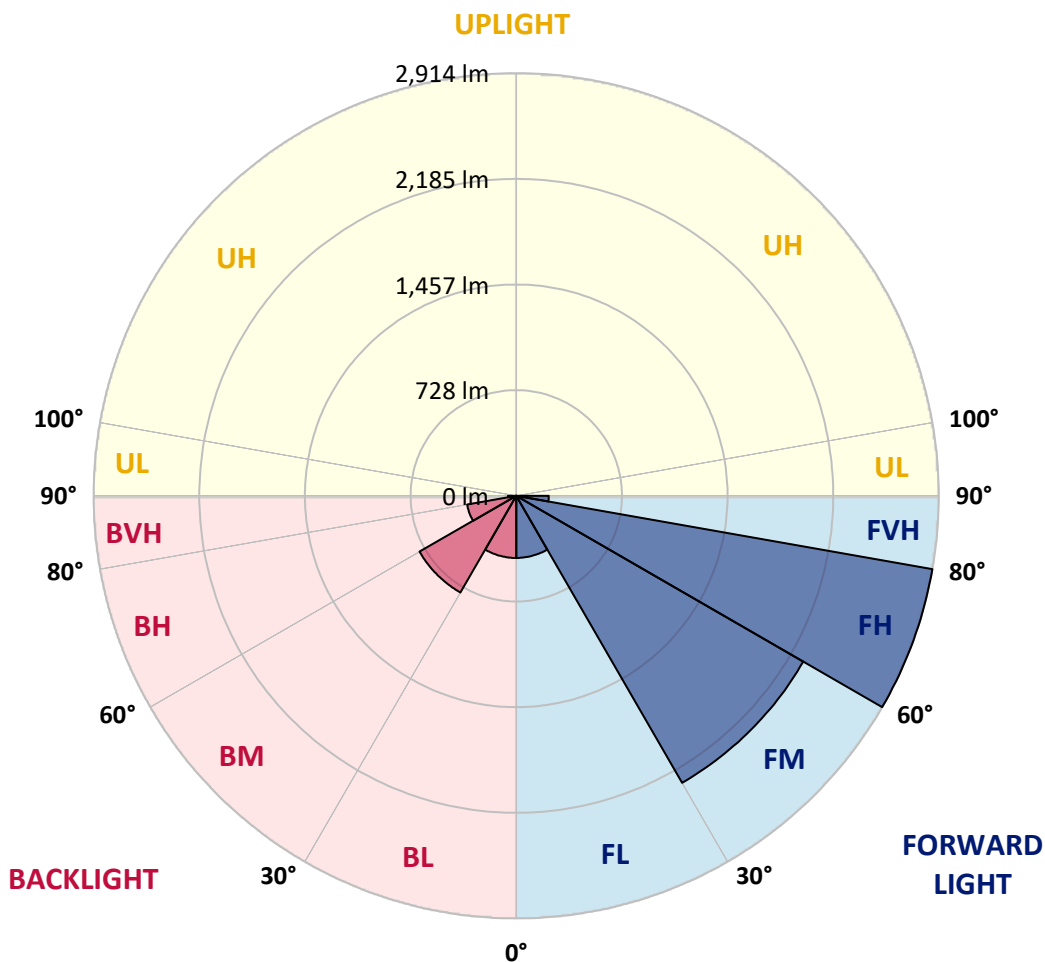


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.9	5.7			
FM (30°-60°)	2285.1	30.7			
FH (60°-80°)	2913.6	39.1			G2/5000
FVH (80°-90°)	224.5	3.0			G2/225
BL (0°-30°)	428.5	5.8	B1/500		
BM (30°-60°)	770.0	10.3	B1/1000		
BH (60°-80°)	344.0	4.6	B1/500		G1/500
BVH (80°-90°)	57.4	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°	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6
2.5°	1081.5	1077.4	1085.1	1086.1	1092.8	1095.4	1104.7	1119.1	1130.9	1144.6	1156.9
5°	983.4	980.6	991.4	999.1	1013.8	1020.0	1041.9	1072.5	1099.8	1130.7	1158.7
7.5°	890.3	888.7	900.8	918.3	935.3	943.8	981.6	1026.2	1071.7	1121.7	1164.6
10°	811.8	811.3	822.8	840.1	865.0	874.6	923.5	982.2	1046.0	1114.7	1174.7
12.5°	767.8	769.6	775.0	789.4	812.5	822.1	876.4	945.3	1024.4	1112.4	1189.3
15°	778.6	781.4	772.1	771.6	788.1	795.6	846.5	919.1	1008.9	1116.2	1210.7
17.5°	824.6	825.2	800.7	785.3	795.3	799.2	837.2	904.2	999.9	1125.0	1237.5
20°	889.5	888.2	845.0	819.2	824.6	825.7	850.4	904.4	999.1	1140.2	1272.2
22.5°	975.5	965.9	907.8	872.8	871.5	869.9	884.1	923.5	1010.5	1164.9	1313.7
25°	1087.7	1078.7	998.6	950.8	940.5	936.6	938.7	964.1	1032.9	1191.4	1360.0
27.5°	1212.5	1196.8	1119.6	1051.9	1030.5	1025.1	1012.8	1021.5	1057.3	1216.9	1415.1
30°	1317.0	1308.5	1241.1	1160.8	1135.5	1127.8	1095.4	1085.9	1092.6	1251.6	1484.6
32.5°	1375.4	1369.8	1328.8	1264.0	1240.6	1229.7	1183.9	1164.9	1149.2	1306.4	1578.8
35°	1446.2	1442.6	1417.9	1370.8	1336.0	1324.7	1289.2	1269.4	1229.0	1381.9	1700.5
37.5°	1536.3	1532.4	1532.9	1494.8	1453.4	1442.9	1419.4	1398.6	1332.4	1480.9	1832.8
40°	1638.2	1630.7	1627.9	1626.1	1599.9	1593.9	1581.6	1553.3	1462.2	1599.3	1963.3
42.5°	1791.6	1765.1	1708.5	1729.8	1755.8	1752.7	1762.8	1722.1	1606.3	1739.4	2090.7
45°	1939.6	1896.1	1798.3	1802.9	1859.8	1877.1	1952.2	1923.4	1762.5	1892.8	2222.5
47.5°	2007.0	1974.1	1891.0	1891.2	1947.6	1983.4	2148.1	2127.5	1926.7	2067.0	2383.3
50°	2082.4	2049.5	1974.9	2002.9	2052.1	2090.2	2337.2	2326.7	2083.0	2257.7	2576.1
52.5°	2164.8	2109.0	2061.6	2111.8	2180.8	2225.0	2526.7	2497.8	2226.3	2449.7	2797.7
55°	2165.8	2150.6	2186.7	2223.5	2326.7	2381.0	2725.1	2648.9	2343.2	2638.4	2978.1
57.5°	2289.1	2264.4	2340.8	2357.8	2492.7	2554.0	2922.5	2780.4	2462.1	2783.0	3075.4
60°	2452.3	2431.2	2493.7	2538.5	2698.1	2779.9	3133.3	2915.6	2555.5	2892.2	3070.8
62.5°	2734.1	2710.2	2709.4	2772.2	2987.1	3082.4	3369.8	3048.1	2592.6	2913.8	2939.8
65°	3146.7	3108.6	3036.8	3066.7	3386.3	3481.3	3634.2	3144.1	2543.7	2798.0	2602.3
67.5°	3548.2	3546.9	3458.6	3519.9	3913.4	3989.6	3935.3	3153.6	2391.0	2394.6	2003.7
70°	3948.4	3953.6	3938.6	4151.8	4625.6	4704.9	4256.0	3025.7	2048.0	1729.3	1200.4
72.5°	4265.5	4264.2	4339.4	4888.9	5549.8	5532.1	4526.2	2638.1	1470.4	933.5	573.7
75°	4060.1	4015.3	4239.3	5253.8	6088.5	6001.8	4296.4	1840.2	763.1	424.9	308.9
77.5°	2648.2	2690.6	3019.3	4340.2	5325.7	5220.1	3152.1	858.6	359.6	278.7	223.9
80°	959.0	1003.8	1413.8	2458.5	3669.2	3651.9	1552.2	352.9	243.2	210.5	163.2
82.5°	330.0	346.4	557.7	1091.8	2071.6	2148.8	584.0	200.5	176.8	149.3	111.7
85°	129.5	148.2	255.1	525.3	1045.0	1052.7	236.5	119.9	123.0	97.8	61.3
87.5°	49.2	59.7	122.0	244.0	477.2	438.3	84.7	57.1	70.0	58.2	29.1
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°	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6	1164.6
2.5°	1166.4	1171.8	1183.2	1190.9	1199.1	1201.4	1202.5	1204.5	1206.6	1205.8	1206.1
5°	1173.6	1184.2	1202.5	1210.2	1213.8	1209.7	1201.7	1195.3	1190.6	1188.1	1187.3
7.5°	1185.5	1200.4	1220.0	1218.7	1210.4	1192.2	1171.6	1156.1	1143.3	1138.6	1136.1
10°	1201.2	1218.7	1232.3	1217.7	1193.7	1162.1	1131.2	1107.2	1087.9	1080.5	1079.2
12.5°	1221.3	1239.0	1241.6	1210.4	1170.8	1127.6	1085.6	1054.0	1025.1	1015.9	1013.8
15°	1247.3	1264.0	1248.0	1197.8	1142.5	1084.3	1030.0	987.0	956.7	945.3	941.2
17.5°	1274.5	1290.5	1249.3	1177.0	1105.4	1033.1	964.9	920.9	886.2	873.0	871.5
20°	1307.2	1314.4	1243.9	1147.1	1054.5	966.7	894.9	853.5	834.9	825.7	824.6
22.5°	1347.6	1339.9	1231.6	1106.7	989.9	890.0	831.6	812.3	807.7	805.6	806.4
25°	1390.4	1366.7	1213.3	1054.0	908.3	813.3	785.3	790.7	796.8	796.1	796.1
27.5°	1437.5	1394.0	1185.2	984.0	817.9	750.5	753.9	773.7	782.9	782.7	782.4
30°	1497.9	1424.8	1149.4	899.8	733.5	706.2	726.6	750.8	763.4	762.9	763.1
32.5°	1572.3	1458.8	1100.8	805.8	672.5	673.6	697.0	720.9	735.6	734.3	734.6
35°	1659.3	1496.9	1034.9	713.2	632.1	647.6	666.1	682.8	696.7	694.9	693.1
37.5°	1754.0	1534.2	947.4	630.3	599.2	623.4	638.8	641.6	648.1	643.4	640.1
40°	1844.1	1562.8	834.7	562.4	566.0	602.8	612.8	601.5	589.9	588.4	583.7
42.5°	1922.6	1572.3	720.7	508.1	531.0	581.2	587.3	563.7	542.8	533.0	528.9
45°	2005.5	1575.7	614.4	462.5	497.3	561.9	568.5	536.9	507.5	486.4	479.5
47.5°	2113.8	1599.9	531.7	428.8	471.5	549.0	558.5	515.5	477.4	447.3	440.9
50°	2255.7	1647.7	464.6	403.1	454.8	540.5	551.3	494.7	452.7	416.4	410.0
52.5°	2413.2	1691.7	410.3	382.2	438.6	525.6	542.0	479.8	429.6	387.9	380.9
55°	2523.3	1658.0	366.5	360.6	417.5	504.2	529.2	467.1	396.4	360.1	353.9
57.5°	2544.4	1542.7	333.3	338.2	392.0	477.4	509.4	439.1	378.3	348.0	341.5
60°	2486.8	1382.1	308.6	317.6	364.7	443.7	472.3	419.3	361.1	335.1	329.7
62.5°	2341.9	1217.7	290.3	299.1	339.2	409.5	449.1	398.4	343.6	320.4	315.0
65°	2049.2	1022.3	272.8	282.6	315.5	379.9	428.3	379.1	326.4	308.6	303.4
67.5°	1546.8	765.7	256.3	265.1	294.4	354.2	405.6	360.1	309.6	298.3	292.1
70°	910.9	479.5	237.6	246.8	272.3	327.4	381.4	339.2	288.8	283.6	275.7
72.5°	423.9	288.5	216.2	225.2	244.5	291.6	350.3	311.9	264.1	252.7	241.9
75°	253.0	211.0	191.0	199.0	212.6	253.5	311.2	284.1	240.6	225.7	214.4
77.5°	189.2	161.4	163.2	171.7	182.7	221.9	275.7	262.3	222.6	211.0	203.3
80°	136.2	122.5	133.1	142.3	153.9	201.8	264.1	242.4	201.3	185.8	178.6
82.5°	90.9	88.0	100.1	109.6	121.0	176.6	248.1	212.3	171.9	152.4	136.4
85°	50.2	53.0	67.4	71.6	81.3	124.3	203.3	170.6	129.5	104.2	99.6
87.5°	20.8	24.5	36.3	35.0	43.2	74.1	133.8	103.0	82.4	61.5	47.9
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)