

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: P317725

Luminaire Tested: **GAN-SA1C-730-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-730-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6895 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

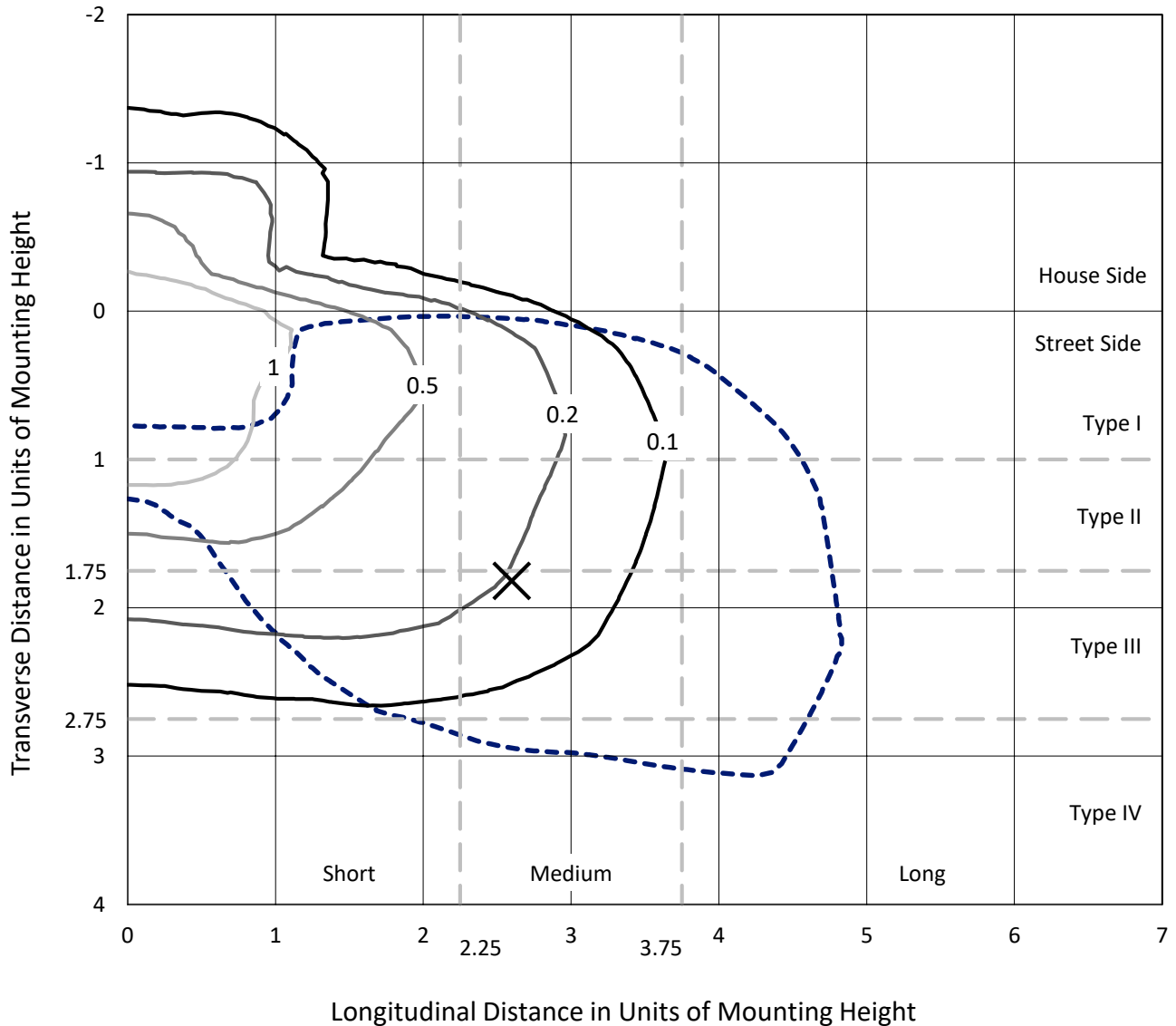
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

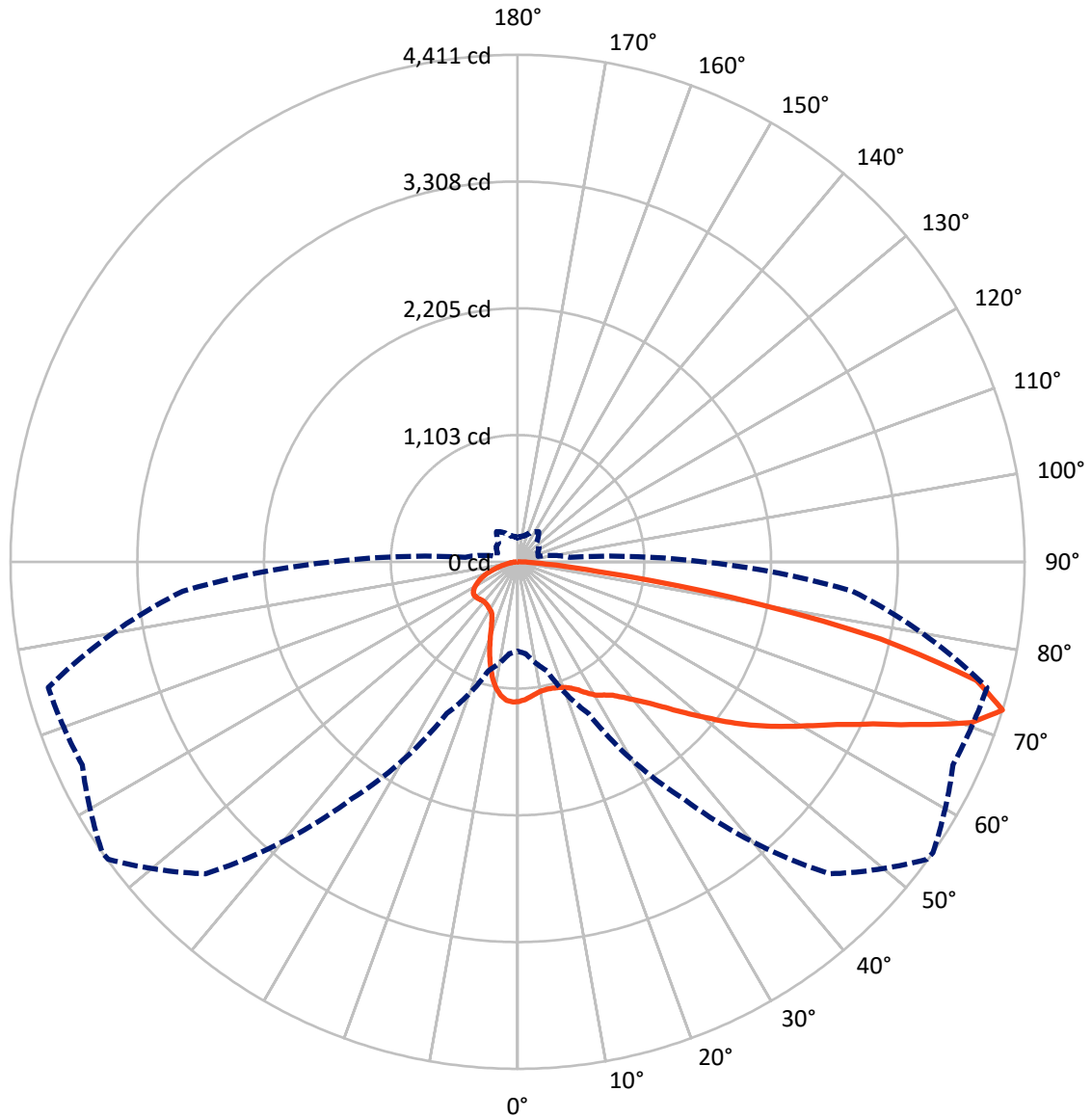
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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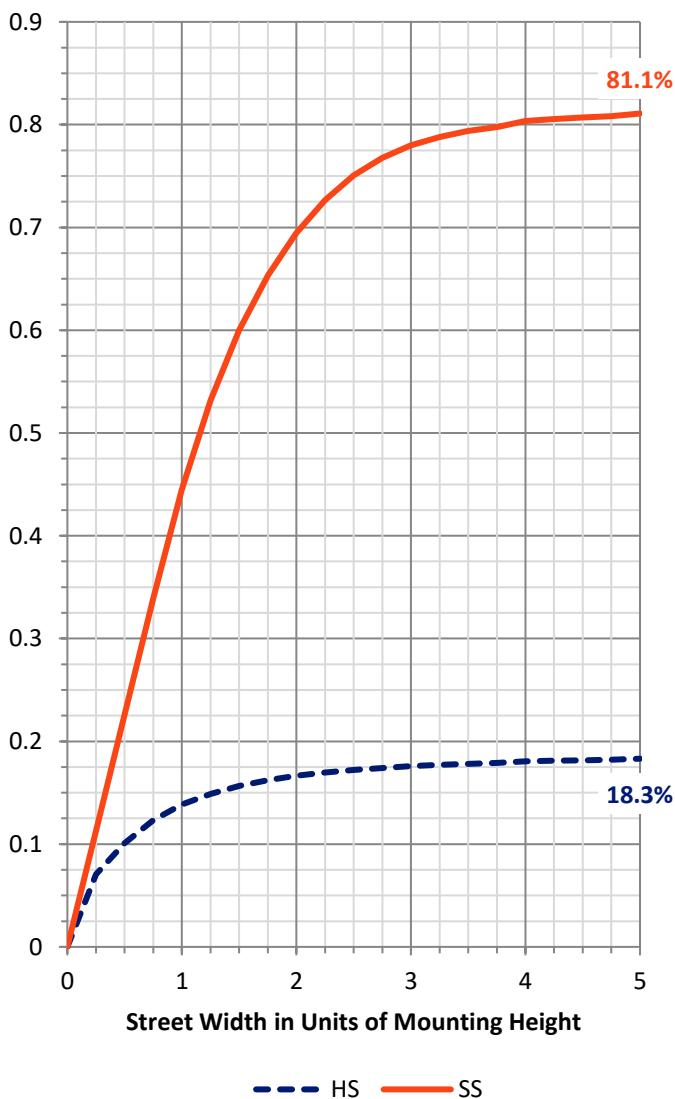
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1281.6	0.0	1281.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5613.4	0.0	5613.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	6895.0	0.0	6895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.6
10°-20°	293.0	4.2
20°-30°	483.1	7.0
30°-40°	714.6	10.4
40°-50°	997.4	14.5
50°-60°	1298.6	18.8
60°-70°	1596.0	23.1
70°-80°	1251.0	18.1
80°-90°	151.4	2.2
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°	6895.0	100.0
0°-180°	6895.0	100.0

Coefficient of Utilization

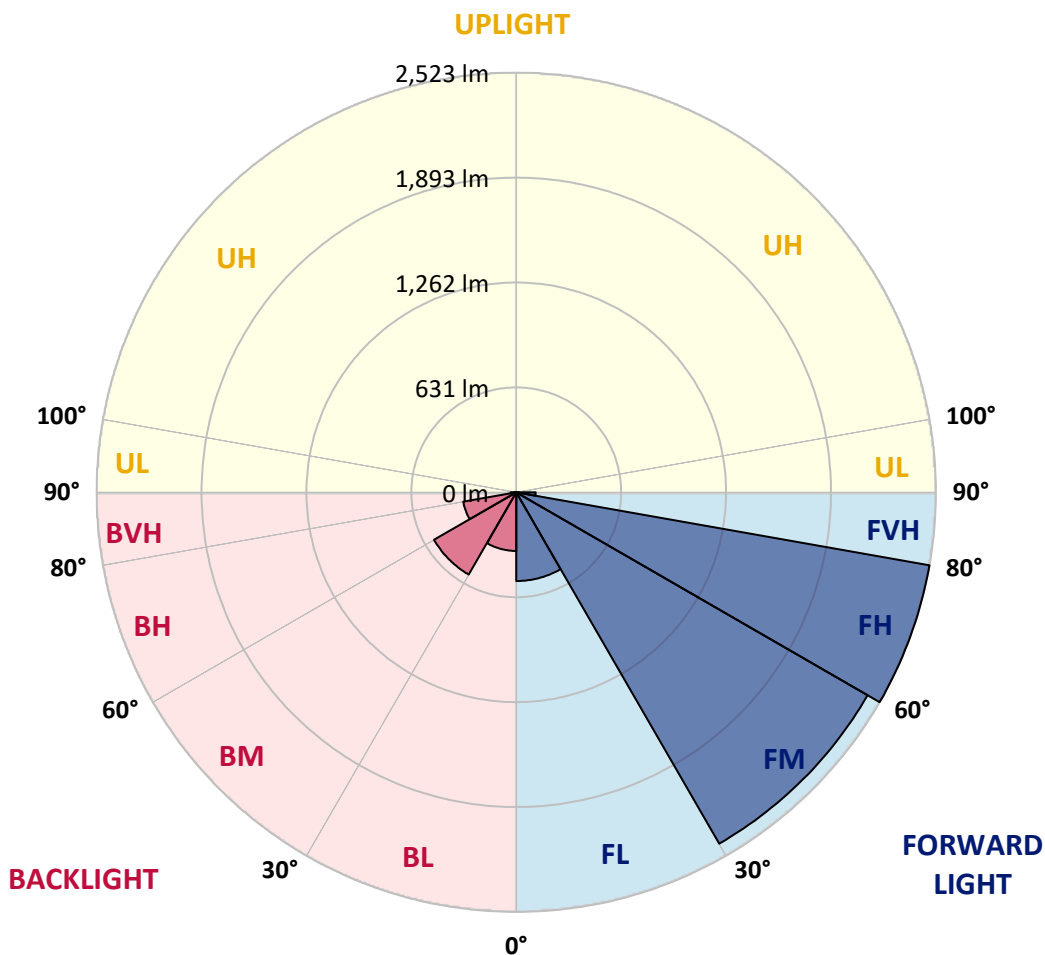


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.5	7.7			
FM (30°-60°)	2439.6	35.4			
FH (60°-80°)	2523.3	36.6			G2/5000
FVH (80°-90°)	117.0	1.7			G2/225
BL (0°-30°)	352.6	5.1	B1/500		
BM (30°-60°)	571.0	8.3	B1/1000		
BH (60°-80°)	323.6	4.7	B1/500		G1/500
BVH (80°-90°)	34.3	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1
2.5°	1176.5	1173.7	1177.2	1182.1	1187.5	1194.7	1198.9	1200.8	1208.0	1210.8	1216.8
5°	1122.0	1120.6	1126.5	1134.9	1146.7	1163.5	1177.0	1179.6	1198.7	1212.2	1224.5
7.5°	1082.5	1082.5	1089.2	1099.2	1112.5	1135.1	1154.2	1157.7	1190.0	1219.2	1242.0
10°	1051.0	1052.2	1060.1	1072.0	1087.6	1111.6	1136.9	1140.9	1187.7	1235.5	1271.8
12.5°	1030.1	1032.8	1040.1	1050.8	1070.1	1099.2	1131.4	1136.7	1192.6	1258.7	1307.7
15°	1043.3	1048.0	1048.7	1053.1	1063.8	1095.5	1134.6	1140.2	1203.1	1282.5	1348.4
17.5°	1101.5	1103.2	1096.0	1086.6	1081.5	1101.8	1144.4	1150.2	1215.7	1306.0	1387.5
20°	1190.0	1189.1	1173.5	1148.4	1122.3	1125.5	1160.5	1166.5	1232.7	1326.8	1426.7
22.5°	1301.8	1298.6	1274.6	1228.2	1183.8	1165.1	1188.6	1193.8	1258.3	1356.3	1468.6
25°	1437.4	1430.2	1398.5	1336.3	1270.9	1222.9	1231.0	1235.9	1295.5	1389.4	1507.0
27.5°	1580.4	1573.1	1532.9	1457.6	1370.5	1295.8	1289.5	1293.7	1337.9	1413.8	1535.4
30°	1729.9	1722.2	1685.4	1601.1	1476.3	1371.2	1344.0	1345.6	1367.7	1427.1	1558.7
32.5°	1880.1	1872.9	1831.6	1733.8	1591.1	1452.3	1383.3	1381.2	1385.7	1440.9	1585.0
35°	2032.4	2035.2	1987.0	1878.7	1718.2	1542.4	1429.9	1425.5	1415.7	1469.0	1622.3
37.5°	2195.4	2193.6	2131.1	2018.0	1851.2	1640.2	1496.8	1496.1	1462.3	1522.4	1680.7
40°	2304.4	2305.6	2267.6	2160.5	1985.6	1748.5	1582.5	1580.8	1536.6	1602.3	1757.4
42.5°	2347.0	2354.7	2364.5	2296.5	2126.2	1874.0	1684.7	1682.4	1640.2	1716.8	1847.5
45°	2350.1	2365.4	2426.0	2417.4	2268.8	2017.7	1815.3	1808.8	1778.5	1869.1	1955.1
47.5°	2324.0	2339.8	2440.4	2489.3	2396.2	2169.3	1968.1	1963.0	1936.9	2059.6	2071.5
50°	2266.9	2282.0	2410.6	2524.5	2501.0	2315.1	2144.2	2130.7	2116.7	2279.7	2204.7
52.5°	2160.0	2189.1	2370.8	2532.9	2563.6	2444.6	2329.3	2320.5	2328.2	2511.9	2338.2
55°	1906.9	1939.5	2268.1	2525.9	2610.0	2553.4	2514.5	2514.0	2553.8	2755.5	2481.4
57.5°	1765.0	1788.1	2058.9	2514.0	2664.9	2661.4	2697.7	2702.2	2779.7	3020.8	2631.4
60°	1684.9	1709.1	1953.0	2470.0	2750.1	2801.2	2884.8	2893.6	3009.4	3314.4	2811.9
62.5°	1612.0	1638.6	1887.3	2380.3	2850.5	3001.0	3108.8	3116.7	3252.5	3616.3	2986.3
65°	1487.4	1517.5	1791.1	2321.4	2941.8	3261.6	3393.6	3399.0	3531.7	3932.5	3119.7
67.5°	1311.4	1338.9	1609.7	2191.2	3009.4	3578.1	3772.3	3775.3	3808.6	4155.8	3188.0
70°	1105.7	1116.2	1351.2	1922.5	2929.5	3874.1	4187.3	4188.0	4061.1	4298.8	3176.8
72.5°	776.9	801.6	980.9	1455.3	2517.5	3838.0	4402.7	4410.6	4178.4	4226.6	2922.9
75°	476.5	502.6	615.3	881.9	1597.1	3018.4	4067.8	4122.8	3958.4	3768.6	2387.8
77.5°	318.6	328.4	401.5	514.2	723.6	1736.6	3127.4	3230.8	3288.3	2748.3	1527.0
80°	177.7	196.3	266.2	319.5	321.8	690.0	1875.2	1899.4	1829.6	1094.3	471.1
82.5°	94.1	104.3	177.7	187.7	175.6	231.0	698.9	699.6	584.5	293.4	140.0
85°	72.9	81.5	121.8	114.6	89.7	102.5	230.6	243.1	198.9	120.2	45.6
87.5°	36.3	45.2	82.7	72.7	35.2	29.3	82.4	88.0	78.5	47.0	16.5
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°	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1	1216.1
2.5°	1219.2	1221.3	1223.8	1221.0	1220.1	1216.4	1210.1	1208.7	1205.4	1205.6	1207.5
5°	1229.9	1233.4	1232.0	1221.3	1208.4	1190.5	1171.9	1156.0	1145.6	1144.9	1144.2
7.5°	1250.4	1252.7	1241.7	1211.2	1175.4	1133.9	1094.8	1060.6	1039.8	1034.7	1033.5
10°	1282.5	1282.0	1252.0	1190.5	1119.0	1045.0	982.1	934.6	906.9	898.7	896.6
12.5°	1318.4	1313.0	1255.5	1152.8	1039.4	936.7	857.0	804.2	775.3	766.0	763.6
15°	1355.4	1342.1	1246.9	1096.4	941.6	820.0	736.4	687.5	671.9	666.8	665.8
17.5°	1389.9	1364.2	1222.2	1020.0	830.0	703.8	638.6	619.0	622.7	629.5	629.7
20°	1423.6	1379.1	1182.6	923.6	712.4	608.1	585.9	600.4	618.1	631.8	633.7
22.5°	1456.9	1389.6	1131.6	812.3	607.1	554.3	569.9	596.2	616.4	631.4	633.9
25°	1484.9	1392.2	1061.3	693.5	534.0	534.0	562.2	587.1	607.1	621.8	624.4
27.5°	1495.1	1375.0	962.1	583.6	497.2	524.7	551.5	572.2	589.2	604.8	607.6
30°	1499.1	1343.1	847.5	495.3	482.1	514.7	537.0	554.7	570.8	585.5	588.0
32.5°	1499.8	1304.6	725.9	445.3	471.6	504.2	519.1	534.7	551.9	557.8	558.7
35°	1504.2	1259.2	597.8	419.7	461.8	494.4	506.3	517.5	489.5	491.6	493.5
37.5°	1517.0	1214.3	490.7	405.2	455.5	489.3	503.5	463.0	441.1	436.0	435.3
40°	1541.0	1166.3	411.3	393.6	453.2	491.9	485.6	432.2	394.5	366.3	362.1
42.5°	1574.3	1114.6	360.5	385.9	454.8	504.2	460.6	402.7	340.0	321.8	319.5
45°	1611.8	1060.3	333.0	380.5	460.4	513.7	455.5	363.3	314.6	300.9	299.7
47.5°	1648.1	994.0	318.8	378.2	468.1	506.1	433.9	351.2	302.5	295.3	296.0
50°	1689.8	934.1	310.2	375.6	474.9	501.2	409.4	344.9	297.9	306.7	316.0
52.5°	1725.0	872.2	302.5	370.5	477.4	492.6	403.1	346.1	297.9	314.9	323.7
55°	1766.7	825.3	293.7	359.8	472.5	468.1	398.7	353.1	301.4	290.6	291.6
57.5°	1820.5	810.0	283.9	343.0	456.2	432.5	396.6	359.8	299.3	292.5	294.8
60°	1895.0	826.3	279.9	321.1	430.8	404.5	396.8	356.3	284.6	272.9	273.2
62.5°	1966.0	844.4	279.7	307.4	399.6	379.6	391.5	344.9	277.1	270.4	272.9
65°	1989.3	826.0	268.5	292.0	364.5	349.8	381.7	332.8	271.5	261.3	260.8
67.5°	1958.1	769.0	245.9	267.1	324.2	315.1	368.9	318.4	262.7	254.3	252.9
70°	1865.4	641.6	218.0	234.3	278.3	276.0	348.6	301.6	250.8	243.6	237.5
72.5°	1616.0	457.2	183.7	194.9	226.6	234.1	320.7	279.7	234.1	218.4	209.1
75°	1327.2	338.4	150.9	153.2	172.1	192.4	282.3	254.1	214.3	187.7	180.5
77.5°	812.8	207.0	120.2	121.1	123.4	153.5	232.4	225.4	189.1	156.5	151.4
80°	263.2	112.9	86.9	91.3	84.3	112.5	179.8	191.9	162.3	130.9	125.3
82.5°	100.1	65.9	58.7	61.7	58.5	75.5	131.1	153.7	133.0	107.6	87.6
85°	48.4	37.3	34.7	38.9	36.1	38.7	83.8	113.2	100.8	70.1	65.2
87.5°	17.2	16.5	13.3	17.9	15.4	13.7	25.6	57.1	66.6	48.2	43.1
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)