

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: P318695

Luminaire Tested: **GAN-SA1D-730-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318695
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-SA1D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7443 lumens
Efficiency: N/A
Efficacy: 111.1 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: 24 FT

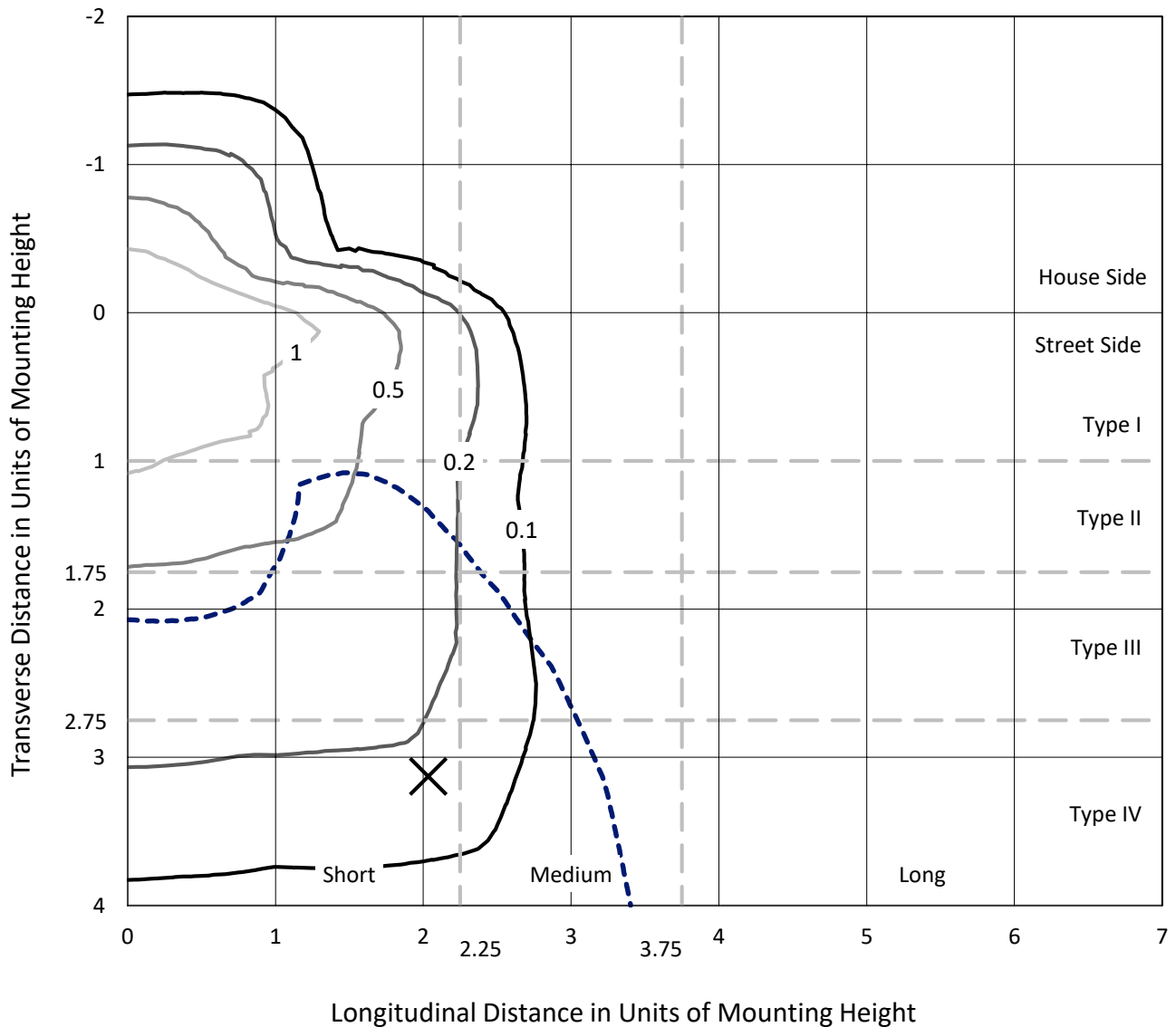




REPORT NUMBER: P318695
 CATALOG NUMBER: GAN-SA1D-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

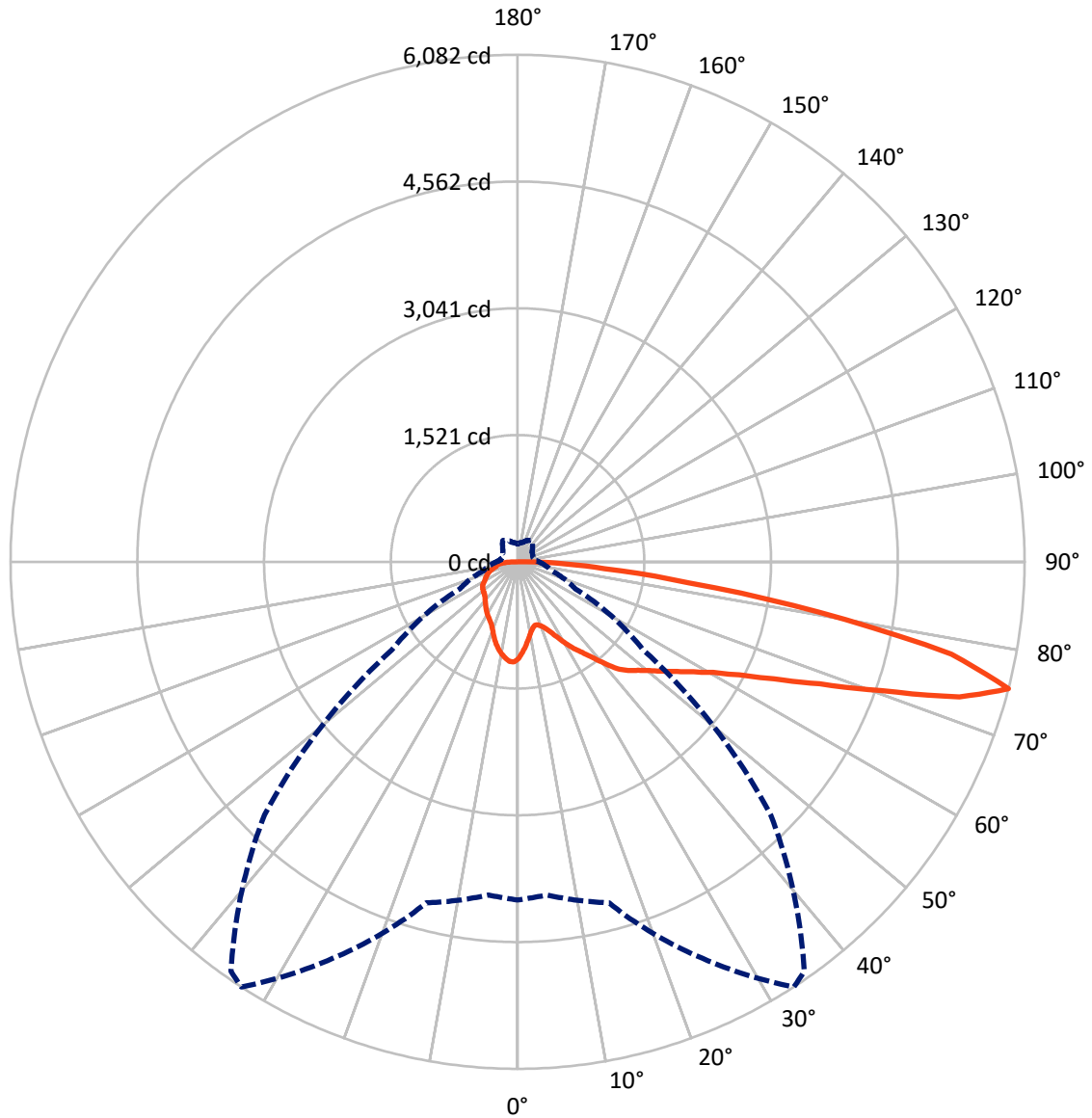
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P318695
CATALOG NUMBER: GAN-SA1D-730-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P318695
 CATALOG NUMBER: GAN-SA1D-730-U-T4FT

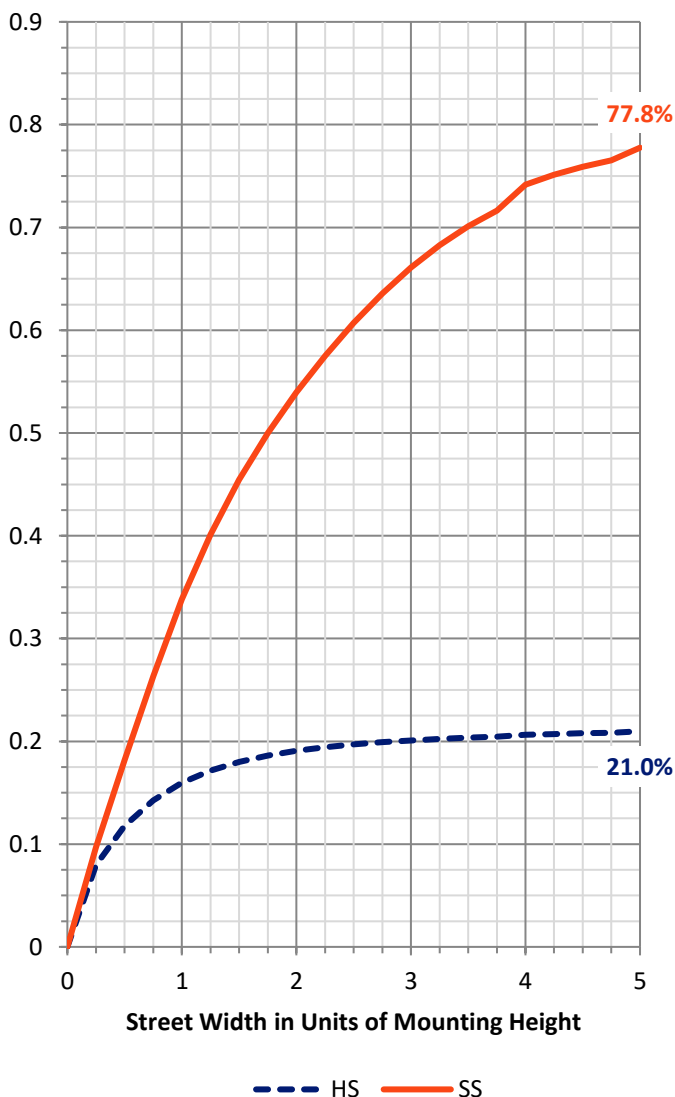
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1598.2	0.0	1598.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5844.8	0.0	5844.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	7443.0	0.0	7443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.4
10°-20°	285.0	3.8
20°-30°	465.4	6.3
30°-40°	693.1	9.3
40°-50°	994.0	13.4
50°-60°	1364.7	18.3
60°-70°	1708.5	23.0
70°-80°	1545.6	20.8
80°-90°	281.5	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°	7443.0	100.0
0°-180°	7443.0	100.0

Coefficient of Utilization



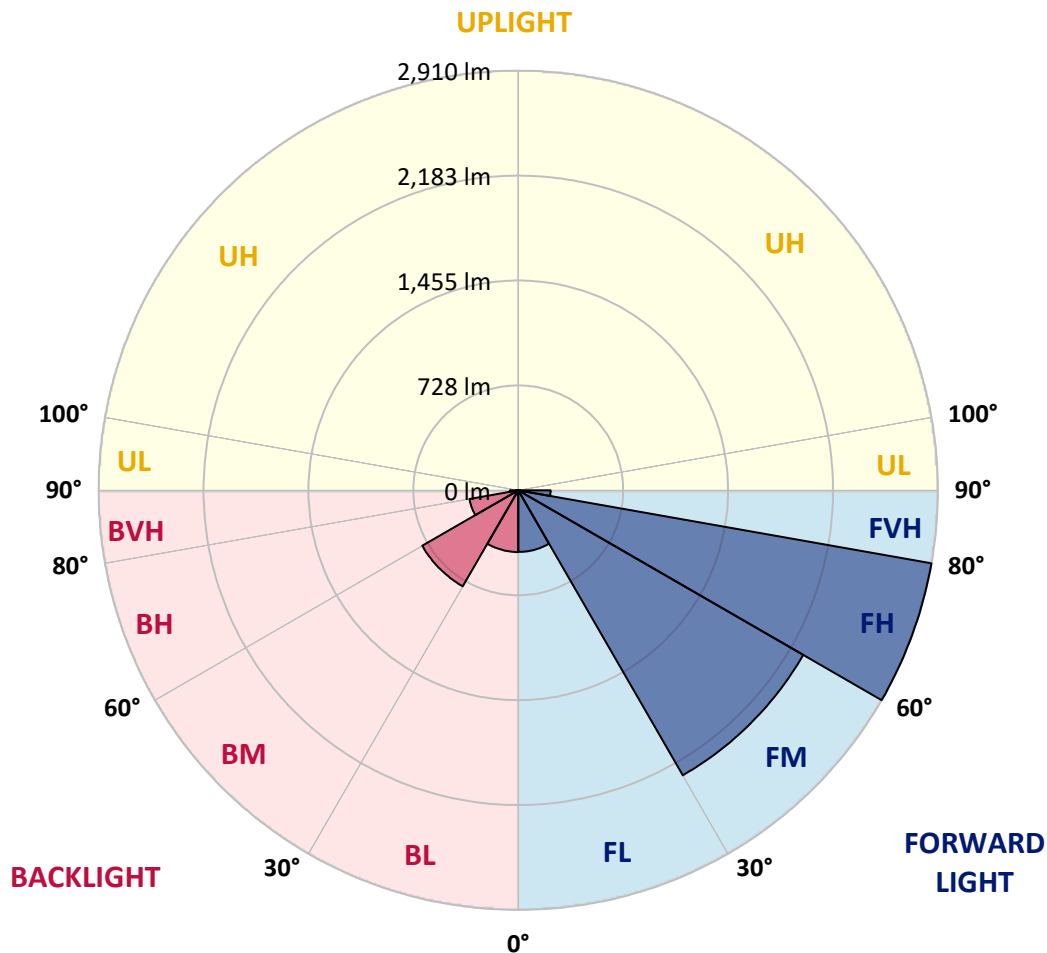
REPORT NUMBER: P318695
 CATALOG NUMBER: GAN-SA1D-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.5	5.7			
FM (30°-60°)	2282.6	30.7			
FH (60°-80°)	2910.5	39.1			G2/5000
FVH (80°-90°)	224.2	3.0			G2/225
BL (0°-30°)	428.1	5.8	B1/500		
BM (30°-60°)	769.2	10.3	B1/1000		
BH (60°-80°)	343.6	4.6	B1/500		G1/500
BVH (80°-90°)	57.3	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





REPORT NUMBER: P318695

CATALOG NUMBER: GAN-SA1D-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4
2.5°	1080.3	1076.2	1083.9	1085.0	1091.7	1094.2	1103.5	1117.9	1129.7	1143.3	1155.7
5°	982.4	979.6	990.4	998.1	1012.7	1018.9	1040.7	1071.3	1098.6	1129.4	1157.5
7.5°	889.3	887.8	899.9	917.3	934.3	942.8	980.6	1025.1	1070.6	1120.4	1163.4
10°	810.9	810.4	822.0	839.2	864.1	873.6	922.5	981.1	1044.9	1113.5	1173.4
12.5°	766.9	768.7	774.1	788.5	811.7	821.2	875.4	944.3	1023.3	1111.2	1188.1
15°	777.7	780.6	771.3	770.8	787.2	794.7	845.6	918.1	1007.8	1115.0	1209.4
17.5°	823.8	824.3	799.8	784.4	794.4	798.3	836.3	903.2	998.8	1123.8	1236.1
20°	888.5	887.3	844.1	818.4	823.8	824.8	849.5	903.5	998.1	1139.0	1270.9
22.5°	974.4	964.9	906.8	871.8	870.5	869.0	883.1	922.5	1009.4	1163.6	1312.2
25°	1086.5	1077.5	997.6	949.7	939.4	935.6	937.6	963.1	1031.7	1190.1	1358.5
27.5°	1211.2	1195.5	1118.4	1050.8	1029.4	1024.0	1011.7	1020.4	1056.2	1215.6	1413.5
30°	1315.6	1307.1	1239.7	1159.5	1134.3	1126.6	1094.2	1084.7	1091.4	1250.3	1483.0
32.5°	1373.9	1368.3	1327.4	1262.6	1239.2	1228.4	1182.7	1163.6	1148.0	1305.0	1577.1
35°	1444.7	1441.1	1416.4	1369.3	1334.6	1323.3	1287.8	1268.0	1227.7	1380.4	1698.7
37.5°	1534.6	1530.8	1531.3	1493.2	1451.9	1441.3	1417.9	1397.1	1331.0	1479.4	1830.8
40°	1636.4	1629.0	1626.2	1624.4	1598.1	1592.2	1579.9	1551.6	1460.6	1597.6	1961.2
42.5°	1789.7	1763.2	1706.6	1728.0	1753.9	1750.9	1760.9	1720.3	1604.6	1737.5	2088.4
45°	1937.5	1894.1	1796.4	1801.0	1857.8	1875.0	1950.1	1921.3	1760.6	1890.7	2220.1
47.5°	2004.9	1972.0	1888.9	1889.2	1945.5	1981.2	2145.8	2125.2	1924.7	2064.8	2380.8
50°	2080.2	2047.3	1972.7	2000.8	2049.9	2087.9	2334.7	2324.2	2080.7	2255.3	2573.3
52.5°	2162.5	2106.7	2059.4	2109.5	2178.4	2222.6	2524.0	2495.2	2223.9	2447.1	2794.7
55°	2163.5	2148.3	2184.3	2221.1	2324.2	2378.4	2722.2	2646.1	2340.6	2635.5	2974.9
57.5°	2286.7	2262.0	2338.3	2355.3	2490.0	2551.2	2919.4	2777.5	2459.4	2780.0	3072.1
60°	2449.7	2428.6	2491.1	2535.8	2695.2	2776.9	3129.9	2912.4	2552.8	2889.0	3067.5
62.5°	2731.2	2707.3	2706.5	2769.2	2983.9	3079.0	3366.2	3044.8	2589.8	2910.6	2936.6
65°	3143.3	3105.3	3033.5	3063.4	3382.7	3477.5	3630.3	3140.7	2540.9	2794.9	2599.5
67.5°	3544.4	3543.1	3454.9	3516.1	3909.2	3985.3	3931.1	3150.3	2388.5	2392.1	2001.5
70°	3944.2	3949.3	3934.4	4147.3	4620.6	4699.8	4251.4	3022.5	2045.8	1727.5	1199.1
72.5°	4260.9	4259.7	4334.7	4883.6	5543.9	5526.1	4521.4	2635.3	1468.8	932.5	573.1
75°	4055.8	4011.0	4234.7	5248.2	6082.0	5995.3	4291.8	1838.3	762.3	424.5	308.5
77.5°	2645.3	2687.7	3016.1	4335.5	5319.9	5214.5	3148.7	857.7	359.2	278.4	223.7
80°	958.0	1002.7	1412.3	2455.8	3665.2	3648.0	1550.6	352.5	243.0	210.3	163.0
82.5°	329.6	346.1	557.1	1090.6	2069.4	2146.5	583.4	200.3	176.6	149.1	111.6
85°	129.3	148.1	254.8	524.7	1043.8	1051.5	236.3	119.8	122.9	97.7	61.2
87.5°	49.1	59.6	121.9	243.7	476.7	437.8	84.6	57.1	69.9	58.1	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



REPORT NUMBER: P318695
 CATALOG NUMBER: GAN-SA1D-730-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4
2.5°	1165.2	1170.6	1181.9	1189.6	1197.8	1200.1	1201.2	1203.2	1205.3	1204.5	1204.8
5°	1172.4	1182.9	1201.2	1208.9	1212.5	1208.4	1200.4	1194.0	1189.3	1186.8	1186.0
7.5°	1184.2	1199.1	1218.7	1217.4	1209.1	1190.9	1170.3	1154.9	1142.0	1137.4	1134.8
10°	1199.9	1217.4	1231.0	1216.3	1192.4	1160.8	1130.0	1106.0	1086.8	1079.3	1078.0
12.5°	1219.9	1237.7	1240.3	1209.1	1169.6	1126.4	1084.5	1052.8	1024.0	1014.8	1012.7
15°	1245.9	1262.6	1246.7	1196.5	1141.3	1083.2	1028.9	986.0	955.6	944.3	940.2
17.5°	1273.2	1289.1	1248.0	1175.7	1104.2	1032.0	963.9	919.9	885.2	872.1	870.5
20°	1305.8	1313.0	1242.6	1145.9	1053.3	965.7	893.9	852.5	834.0	824.8	823.8
22.5°	1346.2	1338.5	1230.2	1105.5	988.8	889.1	830.7	811.4	806.8	804.7	805.5
25°	1388.9	1365.2	1212.0	1052.8	907.3	812.4	784.4	789.8	796.0	795.2	795.2
27.5°	1435.9	1392.5	1184.0	982.9	817.1	749.7	753.0	772.8	782.1	781.8	781.6
30°	1496.3	1423.3	1148.2	898.8	732.7	705.5	725.8	750.0	762.6	762.0	762.3
32.5°	1570.6	1457.2	1099.6	805.0	671.8	672.8	696.2	720.1	734.8	733.5	733.8
35°	1657.5	1495.3	1033.8	712.4	631.4	646.9	665.4	682.1	696.0	694.2	692.4
37.5°	1752.1	1532.6	946.4	629.6	598.5	622.7	638.1	641.0	647.4	642.8	639.4
40°	1842.1	1561.1	833.8	561.8	565.4	602.1	612.2	600.8	589.3	587.7	583.1
42.5°	1920.5	1570.6	719.9	507.5	530.4	580.5	586.7	563.1	542.2	532.5	528.3
45°	2003.3	1574.0	613.7	462.0	496.7	561.3	567.9	536.3	507.0	485.9	479.0
47.5°	2111.6	1598.1	531.2	428.3	471.0	548.4	557.9	515.0	476.9	446.8	440.4
50°	2253.2	1646.0	464.1	402.6	454.3	539.9	550.7	494.1	452.2	416.0	409.6
52.5°	2410.6	1689.9	409.8	381.8	438.1	525.0	541.5	479.2	429.1	387.5	380.5
55°	2520.6	1656.2	366.1	360.2	417.0	503.7	528.6	466.6	395.9	359.7	353.5
57.5°	2541.7	1541.1	332.9	337.8	391.6	476.9	508.8	438.6	377.9	347.6	341.2
60°	2484.1	1380.6	308.3	317.3	364.3	443.2	471.8	418.8	360.7	334.7	329.3
62.5°	2339.4	1216.3	290.0	298.8	338.9	409.0	448.6	398.0	343.2	320.1	314.7
65°	2047.0	1021.2	272.5	282.3	315.2	379.5	427.8	378.7	326.0	308.3	303.1
67.5°	1545.2	764.9	256.1	264.8	294.1	353.8	405.2	359.7	309.3	298.0	291.8
70°	909.9	479.0	237.3	246.6	272.0	327.0	381.0	338.9	288.5	283.3	275.4
72.5°	423.4	288.2	216.0	225.0	244.2	291.3	349.9	311.6	263.8	252.5	241.7
75°	252.7	210.8	190.8	198.7	212.4	253.2	310.8	283.8	240.4	225.5	214.2
77.5°	189.0	161.2	163.0	171.5	182.5	221.6	275.4	262.0	222.4	210.8	203.1
80°	136.0	122.4	132.9	142.2	153.7	201.6	263.8	242.2	201.1	185.6	178.4
82.5°	90.8	87.9	100.0	109.5	120.8	176.4	247.8	212.1	171.7	152.2	136.3
85°	50.1	53.0	67.4	71.5	81.2	124.2	203.1	170.5	129.3	104.1	99.5
87.5°	20.8	24.4	36.3	35.0	43.2	74.0	133.7	102.8	82.3	61.4	47.8
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)