

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: P318775

Luminaire Tested: **GAN-SA1D-750-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318775
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-750-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 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: 8173 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

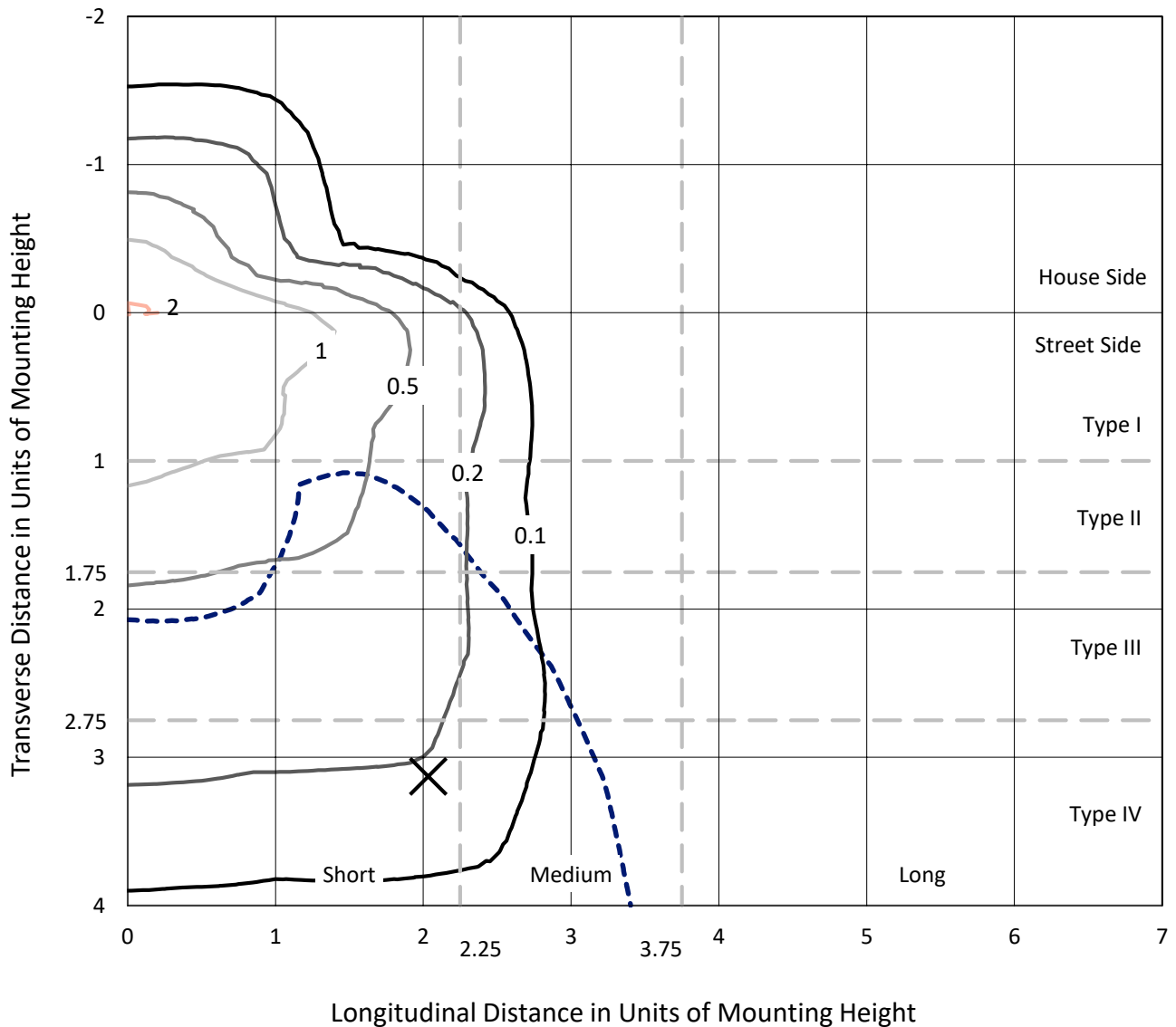
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

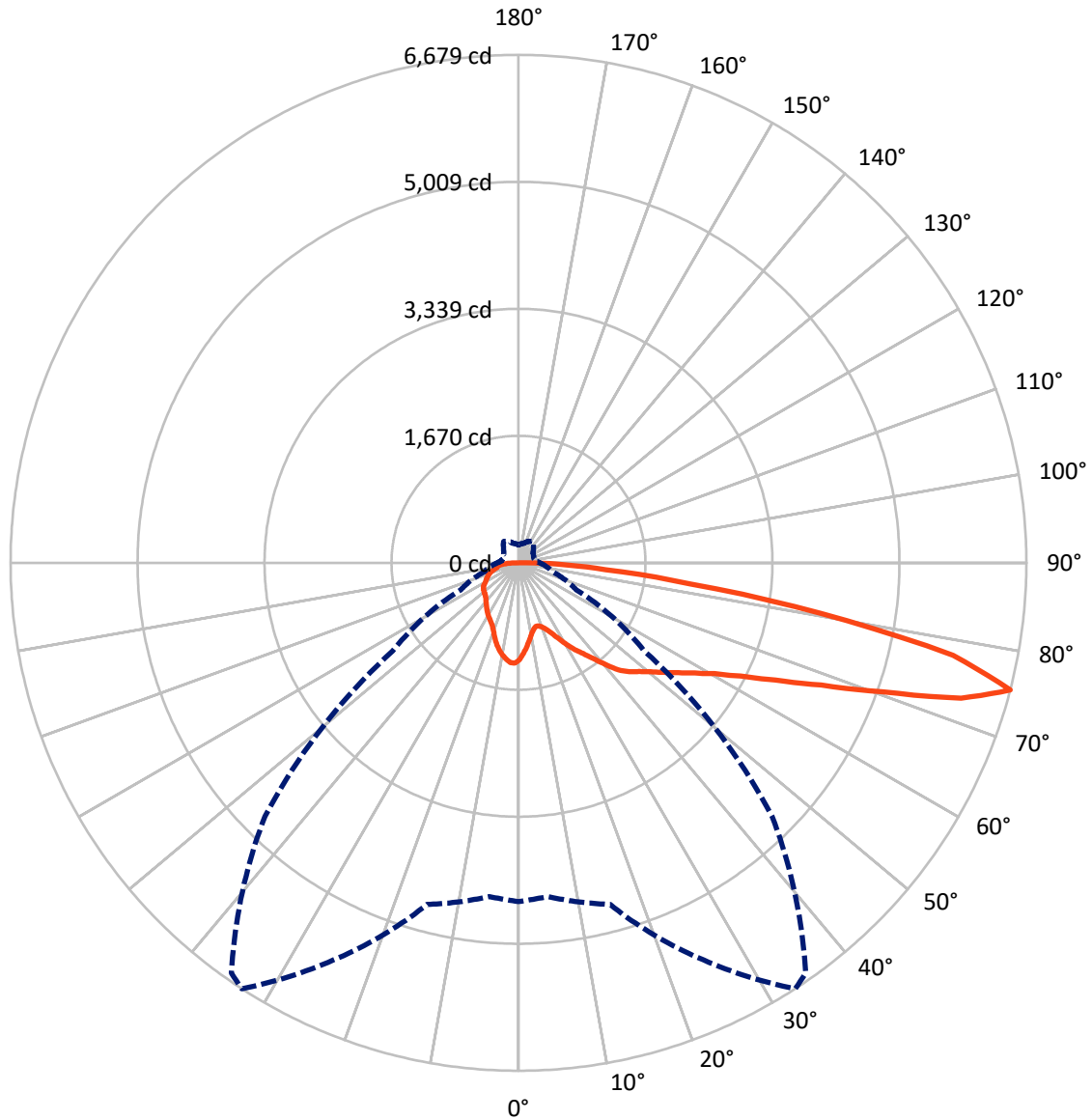
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - 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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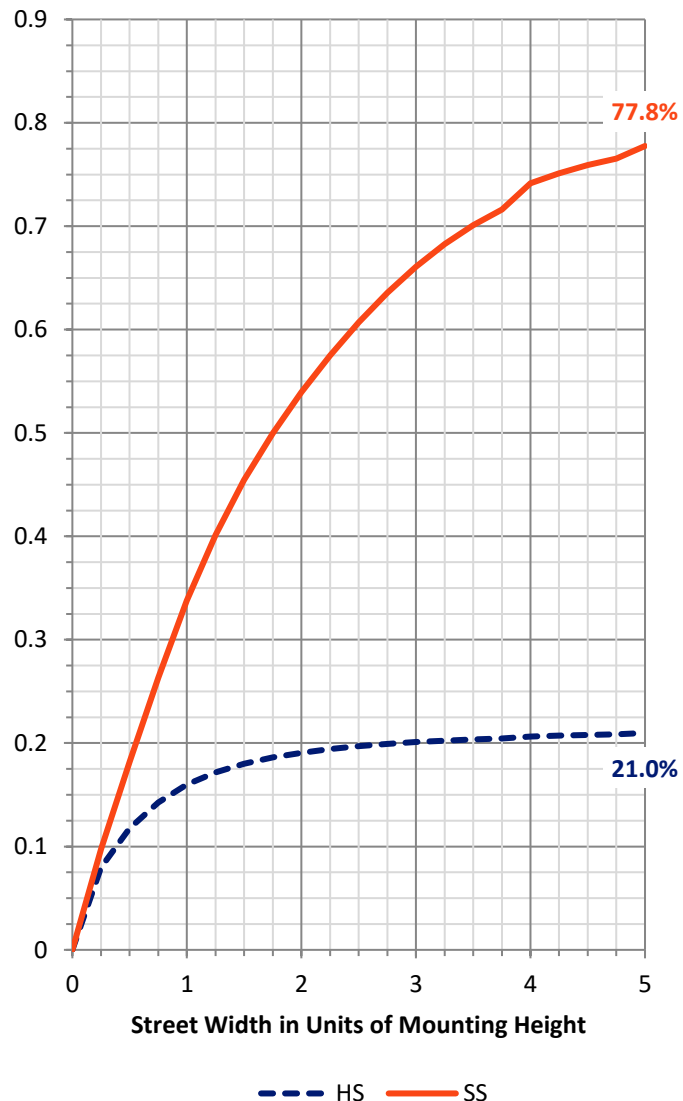
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1755.0	0.0	1755.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6418.0	0.0	6418.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	8173.0	0.0	8173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	1.4
10°-20°	312.9	3.8
20°-30°	511.0	6.3
30°-40°	761.0	9.3
40°-50°	1091.5	13.4
50°-60°	1498.5	18.3
60°-70°	1876.1	23.0
70°-80°	1697.2	20.8
80°-90°	309.2	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°	8173.0	100.0
0°-180°	8173.0	100.0

Coefficient of Utilization

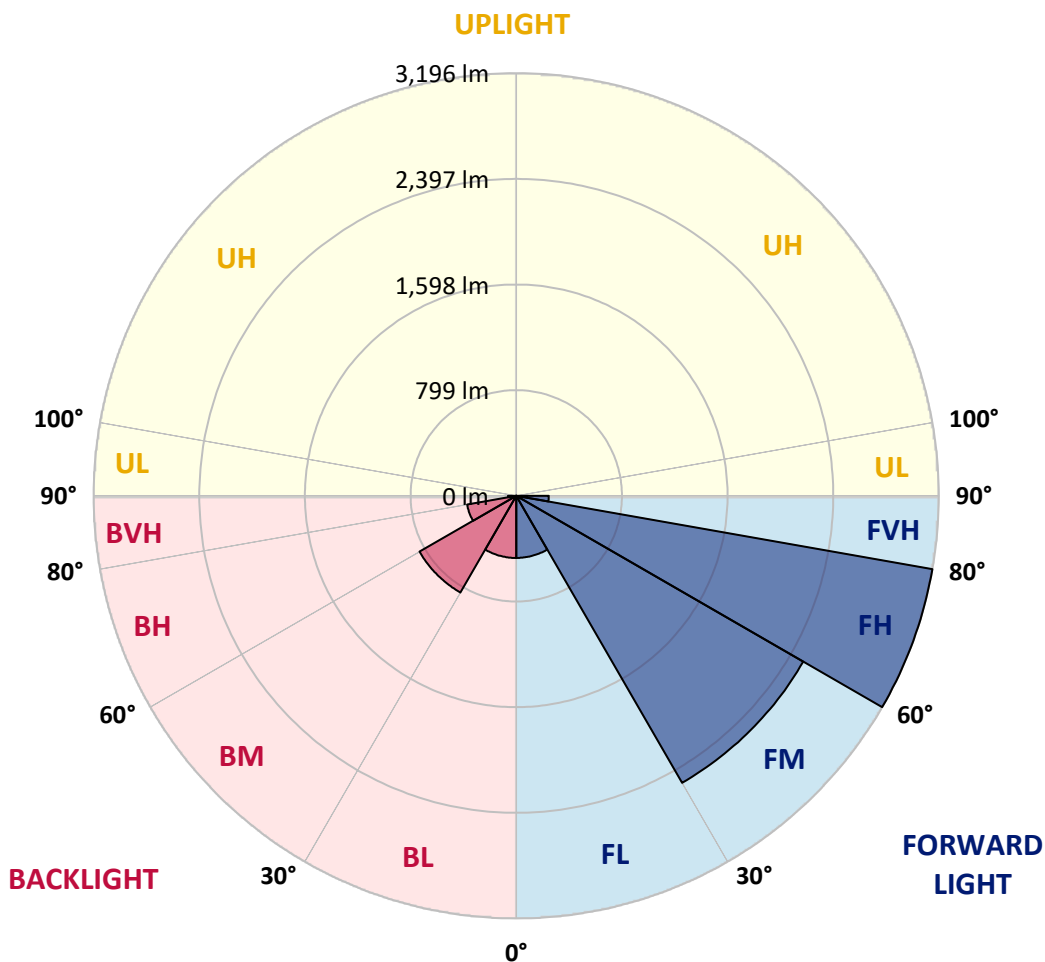


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.4	5.7			
FM (30°-60°)	2506.5	30.7			
FH (60°-80°)	3195.9	39.1			G2/5000
FVH (80°-90°)	246.2	3.0			G3/500
BL (0°-30°)	470.1	5.8	B1/500		
BM (30°-60°)	844.6	10.3	B1/1000		
BH (60°-80°)	377.4	4.6	B1/500		G1/500
BVH (80°-90°)	62.9	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1186.3	1181.8	1190.2	1191.4	1198.7	1201.5	1211.7	1227.5	1240.5	1255.5	1269.0
5°	1078.7	1075.6	1087.5	1096.0	1112.0	1118.8	1142.8	1176.4	1206.3	1240.2	1271.0
7.5°	976.5	974.8	988.1	1007.3	1025.9	1035.3	1076.8	1125.6	1175.6	1230.3	1277.5
10°	890.4	889.9	902.6	921.5	948.9	959.3	1013.0	1077.3	1147.3	1222.7	1288.5
12.5°	842.2	844.1	850.1	865.9	891.3	901.7	961.3	1037.0	1123.6	1220.2	1304.6
15°	854.0	857.1	847.0	846.4	864.5	872.6	928.5	1008.2	1106.7	1224.4	1328.0
17.5°	904.5	905.1	878.3	861.4	872.4	876.6	918.4	991.8	1096.8	1234.0	1357.4
20°	975.7	974.3	926.8	898.6	904.5	905.7	932.8	992.1	1096.0	1250.7	1395.5
22.5°	1070.0	1059.5	995.7	957.3	955.9	954.2	969.8	1013.0	1108.4	1277.8	1440.9
25°	1193.1	1183.2	1095.4	1042.9	1031.6	1027.4	1029.6	1057.6	1132.9	1306.8	1491.8
27.5°	1330.0	1312.8	1228.1	1153.8	1130.4	1124.5	1110.9	1120.5	1159.8	1334.8	1552.2
30°	1444.6	1435.3	1361.3	1273.3	1245.6	1237.1	1201.5	1191.1	1198.4	1372.9	1628.4
32.5°	1508.7	1502.5	1457.6	1386.5	1360.8	1348.9	1298.7	1277.8	1260.5	1433.0	1731.7
35°	1586.3	1582.4	1555.3	1503.6	1465.5	1453.1	1414.1	1392.4	1348.1	1515.8	1865.3
37.5°	1685.2	1680.9	1681.5	1639.7	1594.2	1582.7	1557.0	1534.1	1461.6	1624.5	2010.4
40°	1796.9	1788.8	1785.7	1783.7	1754.9	1748.4	1734.8	1703.8	1603.8	1754.3	2153.5
42.5°	1965.2	1936.1	1874.0	1897.5	1926.0	1922.6	1933.6	1889.0	1761.9	1907.9	2293.3
45°	2127.5	2079.8	1972.6	1977.6	2040.0	2058.9	2141.4	2109.8	1933.3	2076.2	2437.8
47.5°	2201.5	2165.4	2074.2	2074.5	2136.3	2175.5	2356.2	2333.6	2113.4	2267.3	2614.3
50°	2284.2	2248.1	2166.2	2197.0	2250.9	2292.7	2563.7	2552.1	2284.8	2476.5	2825.7
52.5°	2374.6	2313.3	2261.4	2316.4	2392.1	2440.6	2771.5	2739.9	2442.0	2687.1	3068.8
55°	2375.7	2359.0	2398.6	2438.9	2552.1	2611.7	2989.2	2905.6	2570.2	2894.0	3266.7
57.5°	2510.9	2483.8	2567.7	2586.3	2734.2	2801.4	3205.7	3049.9	2700.6	3052.7	3373.4
60°	2689.9	2666.8	2735.4	2784.5	2959.5	3049.3	3436.9	3198.1	2803.1	3172.4	3368.3
62.5°	2999.1	2972.8	2972.0	3040.8	3276.6	3381.0	3696.4	3343.5	2843.8	3196.1	3224.6
65°	3451.6	3409.8	3331.1	3363.8	3714.4	3818.6	3986.3	3448.8	2790.1	3069.1	2854.5
67.5°	3892.0	3890.6	3793.8	3861.0	4292.6	4376.2	4316.6	3459.2	2622.7	2626.7	2197.8
70°	4331.0	4336.7	4320.3	4554.1	5073.8	5160.8	4668.4	3318.9	2246.4	1896.9	1316.7
72.5°	4678.8	4677.4	4759.9	5362.6	6087.6	6068.1	4964.8	2893.8	1612.9	1024.0	629.3
75°	4453.6	4404.4	4650.0	5762.9	6678.5	6583.4	4712.7	2018.6	837.1	466.1	338.8
77.5°	2904.8	2951.3	3311.9	4760.7	5841.7	5726.0	3457.5	941.8	394.4	305.7	245.6
80°	1051.9	1101.0	1550.8	2696.7	4024.7	4005.8	1702.7	387.1	266.8	230.9	179.0
82.5°	361.9	380.0	611.8	1197.6	2272.4	2357.1	640.6	219.9	194.0	163.7	122.5
85°	142.0	162.6	279.8	576.2	1146.2	1154.7	259.4	131.6	134.9	107.3	67.2
87.5°	53.9	65.5	133.8	267.6	523.4	480.8	92.9	62.7	76.8	63.8	31.9
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°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1279.5	1285.4	1297.8	1306.3	1315.3	1317.9	1319.0	1321.2	1323.5	1322.7	1322.9
5°	1287.4	1298.9	1319.0	1327.5	1331.4	1326.9	1318.1	1311.1	1306.0	1303.2	1302.3
7.5°	1300.4	1316.7	1338.2	1336.8	1327.7	1307.7	1285.1	1268.2	1254.1	1249.0	1246.1
10°	1317.6	1336.8	1351.7	1335.6	1309.4	1274.7	1240.8	1214.5	1193.4	1185.2	1183.8
12.5°	1339.6	1359.1	1361.9	1327.7	1284.3	1236.8	1190.8	1156.1	1124.5	1114.3	1112.0
15°	1368.1	1386.5	1369.0	1313.9	1253.2	1189.4	1129.8	1082.7	1049.4	1037.0	1032.4
17.5°	1398.0	1415.5	1370.4	1291.0	1212.6	1133.2	1058.4	1010.1	972.0	957.6	955.9
20°	1433.9	1441.8	1364.4	1258.3	1156.7	1060.4	981.6	936.2	915.8	905.7	904.5
22.5°	1478.2	1469.7	1350.9	1214.0	1085.8	976.3	912.2	891.0	885.9	883.7	884.5
25°	1525.1	1499.1	1330.8	1156.1	996.3	892.1	861.4	867.3	874.1	873.2	873.2
27.5°	1576.7	1529.0	1300.1	1079.3	897.2	823.2	826.9	848.6	858.8	858.5	858.2
30°	1643.1	1562.9	1260.8	987.0	804.6	774.7	797.0	823.5	837.4	836.8	837.1
32.5°	1724.7	1600.2	1207.5	883.9	737.7	738.8	764.5	790.8	806.9	805.5	805.7
35°	1820.1	1642.0	1135.2	782.3	693.4	710.3	730.6	749.0	764.2	762.3	760.3
37.5°	1924.0	1682.9	1039.2	691.4	657.2	683.8	700.7	703.8	710.9	705.8	702.1
40°	2022.8	1714.2	915.6	616.9	620.8	661.2	672.2	659.8	647.1	645.4	640.3
42.5°	2108.9	1724.7	790.5	557.3	582.4	637.5	644.2	618.3	595.4	584.7	580.2
45°	2199.8	1728.3	673.9	507.3	545.4	616.3	623.6	588.9	556.7	533.6	526.0
47.5°	2318.7	1754.9	583.3	470.3	517.2	602.2	612.6	565.5	523.7	490.7	483.6
50°	2474.2	1807.4	509.6	442.1	498.9	592.9	604.7	542.6	496.6	456.8	449.7
52.5°	2647.0	1855.7	450.0	419.2	481.1	576.5	594.6	526.2	471.2	425.5	417.8
55°	2767.8	1818.7	402.0	395.5	457.9	553.1	580.4	512.4	434.8	395.0	388.2
57.5°	2791.0	1692.2	365.6	371.0	430.0	523.7	558.7	481.6	415.0	381.7	374.6
60°	2727.7	1516.0	338.5	348.4	400.0	486.7	518.1	459.9	396.1	367.6	361.6
62.5°	2568.8	1335.6	318.5	328.1	372.1	449.2	492.6	437.0	376.9	351.5	345.6
65°	2247.8	1121.4	299.3	310.0	346.1	416.7	469.8	415.9	358.0	338.5	332.9
67.5°	1696.7	839.9	281.2	290.8	323.0	388.5	444.9	395.0	339.6	327.2	320.4
70°	999.1	526.0	260.6	270.7	298.7	359.1	418.4	372.1	316.8	311.1	302.4
72.5°	465.0	316.5	237.1	247.0	268.2	319.9	384.2	342.2	289.7	277.2	265.4
75°	277.5	231.5	209.5	218.2	233.2	278.1	341.3	311.7	264.0	247.6	235.2
77.5°	207.5	177.0	179.0	188.3	200.4	243.4	302.4	287.7	244.2	231.5	223.0
80°	149.3	134.4	146.0	156.1	168.8	221.3	289.7	265.9	220.8	203.8	195.9
82.5°	99.7	96.6	109.8	120.3	132.7	193.7	272.2	232.9	188.6	167.1	149.6
85°	55.1	58.2	74.0	78.5	89.2	136.4	223.0	187.2	142.0	114.3	109.3
87.5°	22.9	26.8	39.8	38.4	47.4	81.3	146.8	112.9	90.3	67.5	52.5
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)