

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: P318755

Luminaire Tested: **GAN-SA1B-750-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318755
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-SA1B-750-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6020 lumens
Efficiency: N/A
Efficacy: 136.8 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

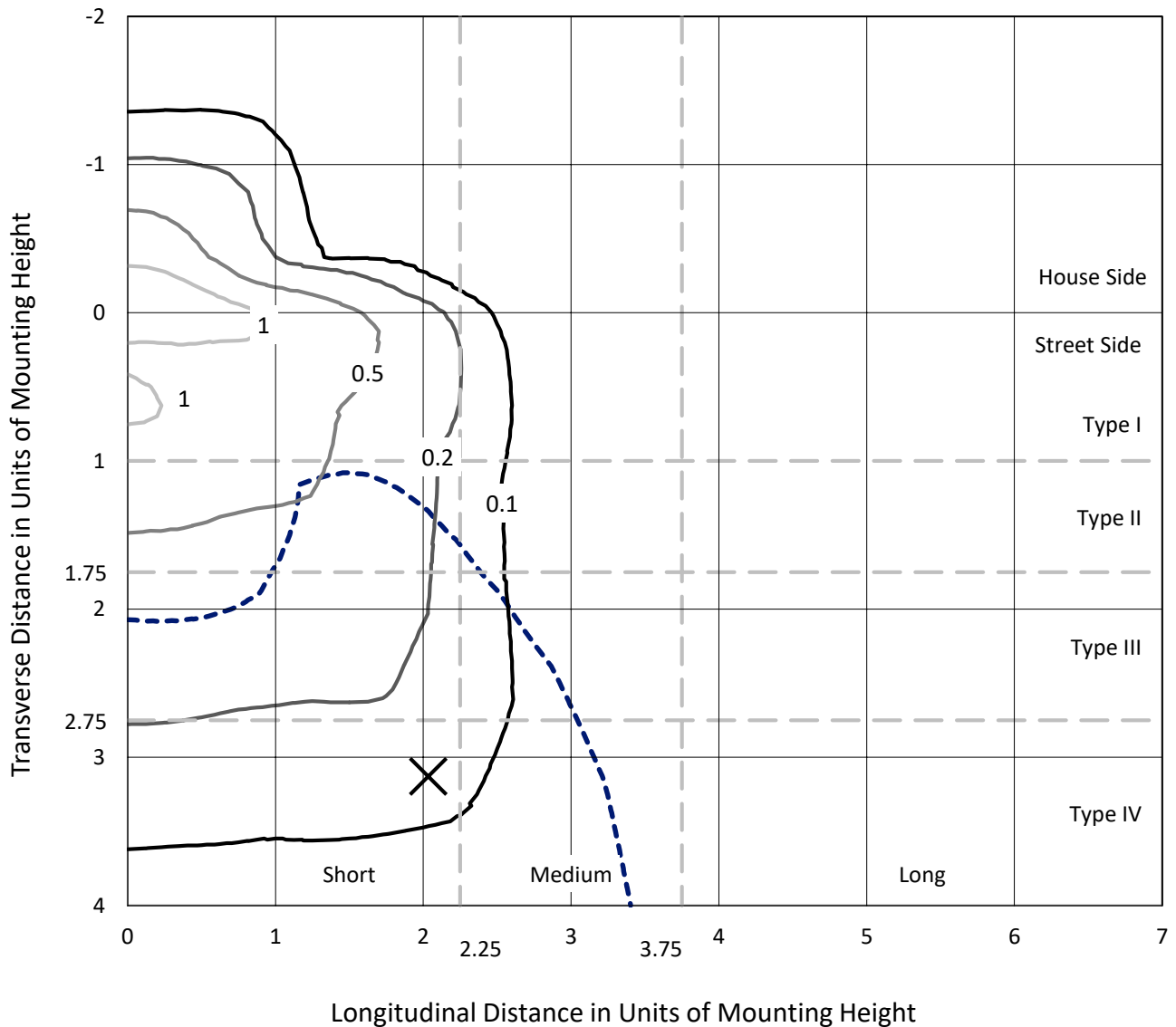
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

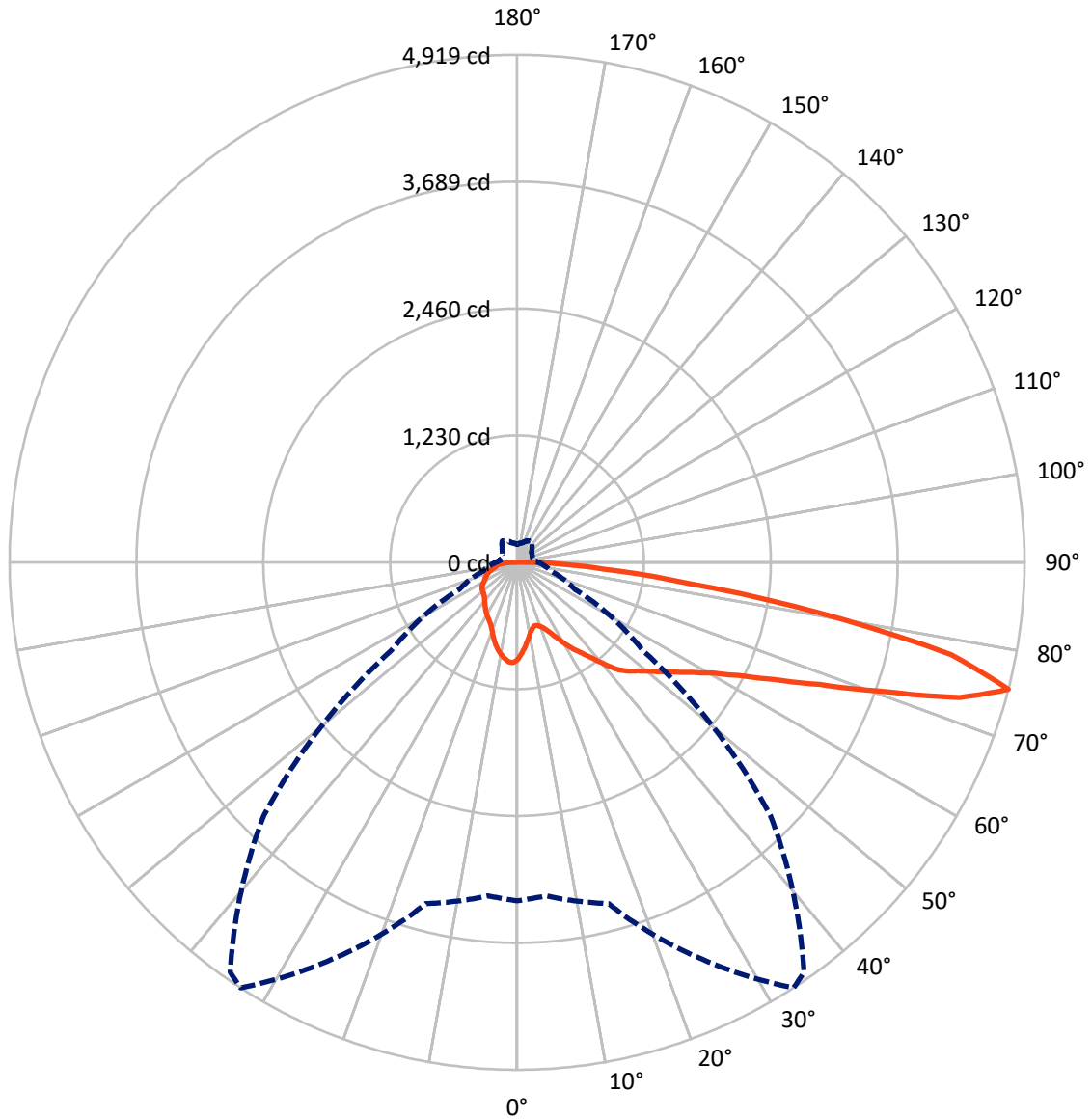
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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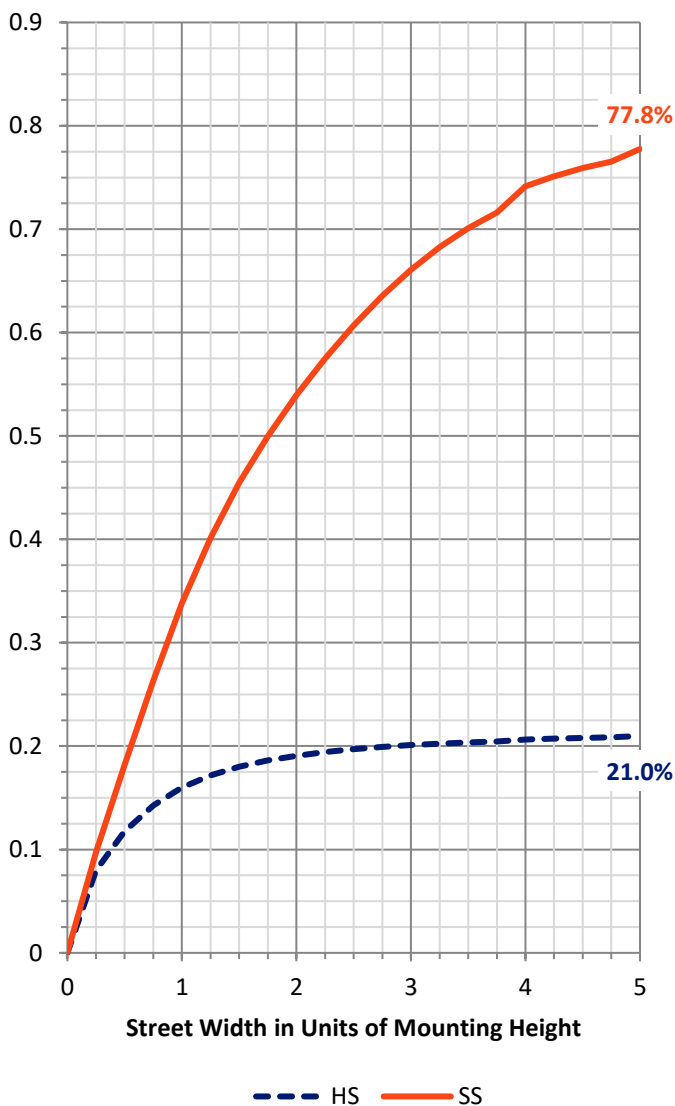
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1292.6	0.0	1292.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4727.3	0.0	4727.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	6020.0	0.0	6020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	1.4
10°-20°	230.5	3.8
20°-30°	376.4	6.3
30°-40°	560.6	9.3
40°-50°	804.0	13.4
50°-60°	1103.8	18.3
60°-70°	1381.9	23.0
70°-80°	1250.1	20.8
80°-90°	227.7	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°	6020.0	100.0
0°-180°	6020.0	100.0

Coefficient of Utilization



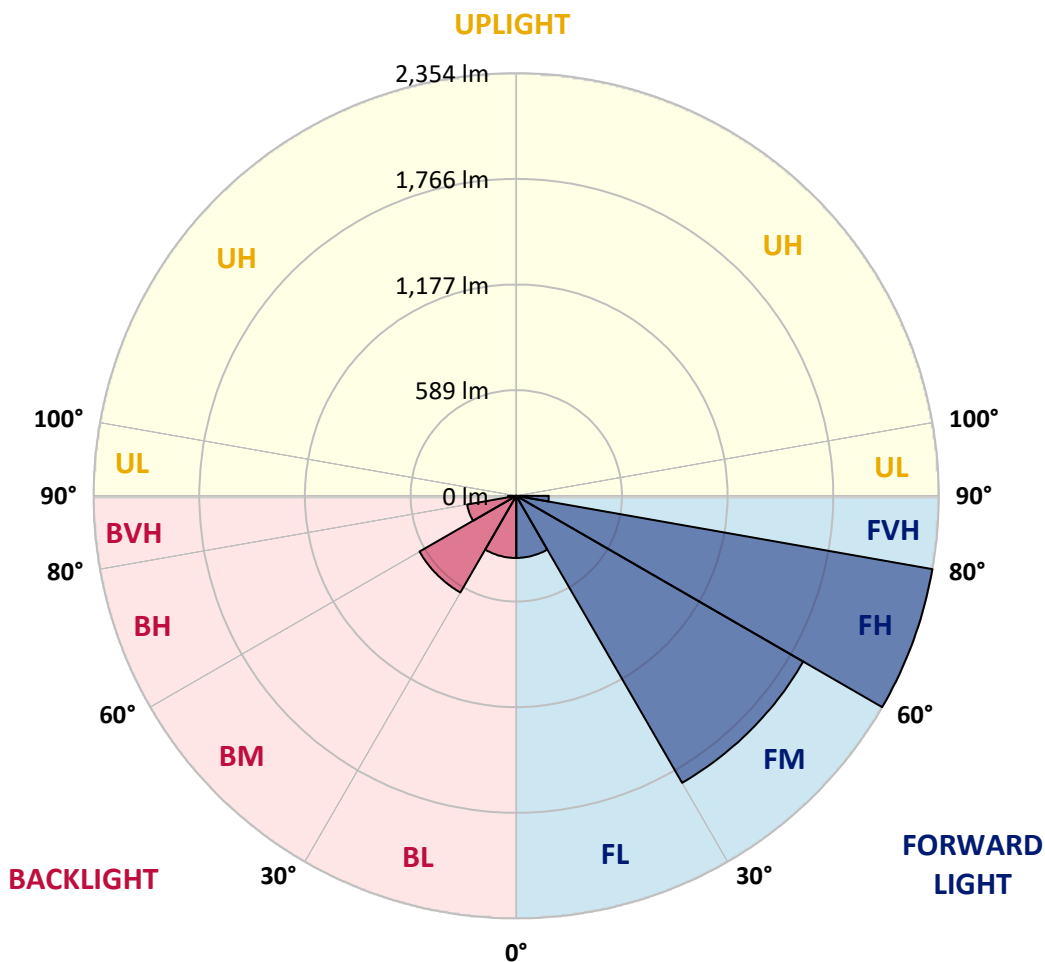
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.8	5.7			
FM (30°-60°)	1846.2	30.7			
FH (60°-80°)	2354.0	39.1			G2/5000
FVH (80°-90°)	181.4	3.0			G2/225
BL (0°-30°)	346.2	5.8	B1/500		
BM (30°-60°)	622.1	10.3	B1/1000		
BH (60°-80°)	277.9	4.6	B1/500		G1/500
BVH (80°-90°)	46.4	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°	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0
2.5°	873.8	870.5	876.7	877.5	882.9	885.0	892.5	904.2	913.7	924.7	934.7
5°	794.6	792.3	801.0	807.2	819.1	824.1	841.8	866.5	888.6	913.5	936.2
7.5°	719.3	718.0	727.8	742.0	755.7	762.5	793.1	829.1	865.9	906.2	941.0
10°	655.9	655.4	664.8	678.7	698.9	706.6	746.1	793.5	845.1	900.6	949.1
12.5°	620.3	621.8	626.1	637.8	656.5	664.2	708.1	763.8	827.6	898.7	960.9
15°	629.0	631.3	623.8	623.4	636.7	642.8	683.9	742.6	815.2	901.9	978.2
17.5°	666.3	666.7	646.9	634.4	642.6	645.7	676.5	730.5	807.9	908.9	999.8
20°	718.7	717.6	682.7	661.9	666.3	667.1	687.1	730.7	807.2	921.2	1027.9
22.5°	788.1	780.4	733.4	705.1	704.1	702.9	714.3	746.1	816.4	941.2	1061.4
25°	878.8	871.5	806.8	768.2	759.8	756.7	758.4	779.0	834.5	962.6	1098.8
27.5°	979.6	967.0	904.6	849.9	832.6	828.3	818.3	825.3	854.2	983.2	1143.3
30°	1064.1	1057.2	1002.7	937.8	917.5	911.2	885.0	877.3	882.7	1011.2	1199.4
32.5°	1111.3	1106.7	1073.6	1021.2	1002.3	993.6	956.6	941.2	928.5	1055.5	1275.5
35°	1168.5	1165.5	1145.6	1107.5	1079.5	1070.3	1041.6	1025.6	992.9	1116.5	1373.9
37.5°	1241.2	1238.1	1238.5	1207.8	1174.3	1165.8	1146.8	1130.0	1076.5	1196.5	1480.8
40°	1323.6	1317.6	1315.3	1313.8	1292.6	1287.8	1277.8	1255.0	1181.3	1292.2	1586.2
42.5°	1447.5	1426.1	1380.4	1397.6	1418.6	1416.1	1424.2	1391.4	1297.8	1405.3	1689.2
45°	1567.1	1531.9	1452.9	1456.7	1502.6	1516.6	1577.3	1554.0	1424.0	1529.2	1795.6
47.5°	1621.6	1595.0	1527.8	1528.0	1573.5	1602.4	1735.5	1718.9	1556.7	1670.0	1925.6
50°	1682.5	1655.9	1595.6	1618.2	1658.0	1688.7	1888.4	1879.8	1682.9	1824.1	2081.3
52.5°	1749.0	1703.9	1665.7	1706.2	1761.9	1797.7	2041.4	2018.1	1798.7	1979.2	2260.4
55°	1749.9	1737.6	1766.7	1796.5	1879.8	1923.7	2201.7	2140.2	1893.1	2131.7	2406.2
57.5°	1849.5	1829.5	1891.3	1905.0	2014.0	2063.5	2361.2	2246.5	1989.2	2248.5	2484.8
60°	1981.3	1964.3	2014.8	2051.0	2179.9	2246.0	2531.5	2355.6	2064.7	2336.7	2481.0
62.5°	2209.0	2189.7	2189.1	2239.8	2413.4	2490.4	2722.6	2462.7	2094.6	2354.2	2375.2
65°	2542.4	2511.6	2453.6	2477.7	2736.0	2812.7	2936.2	2540.3	2055.1	2260.6	2102.6
67.5°	2866.8	2865.7	2794.4	2843.9	3161.8	3223.4	3179.5	2548.0	1931.8	1934.7	1618.9
70°	3190.1	3194.3	3182.2	3354.4	3737.2	3801.3	3438.6	2444.6	1654.6	1397.2	969.9
72.5°	3446.3	3445.3	3506.0	3950.0	4484.0	4469.6	3657.0	2131.5	1188.0	754.2	463.5
75°	3280.4	3244.2	3425.1	4244.8	4919.2	4849.1	3471.3	1486.8	616.6	343.3	249.5
77.5°	2139.6	2173.9	2439.4	3506.6	4302.8	4217.6	2546.7	693.7	290.5	225.2	180.9
80°	774.8	811.0	1142.3	1986.3	2964.5	2950.6	1254.1	285.1	196.5	170.1	131.8
82.5°	266.6	279.9	450.6	882.1	1673.8	1736.1	471.8	162.0	142.9	120.6	90.2
85°	104.6	119.8	206.1	424.4	844.3	850.5	191.1	96.9	99.4	79.0	49.5
87.5°	39.7	48.2	98.6	197.1	385.5	354.1	68.4	46.2	56.6	47.0	23.5
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°	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0	941.0
2.5°	942.4	946.8	955.9	962.2	968.8	970.7	971.5	973.2	974.9	974.2	974.4
5°	948.2	956.8	971.5	977.8	980.7	977.4	970.9	965.7	962.0	959.9	959.3
7.5°	957.8	969.9	985.7	984.6	978.0	963.2	946.6	934.1	923.7	920.0	917.9
10°	970.5	984.6	995.6	983.8	964.5	938.9	913.9	894.6	879.0	873.0	871.9
12.5°	986.7	1001.1	1003.1	978.0	946.0	911.0	877.1	851.5	828.3	820.8	819.1
15°	1007.7	1021.2	1008.3	967.8	923.1	876.1	832.2	797.5	772.9	763.8	760.5
17.5°	1029.8	1042.6	1009.4	950.9	893.1	834.7	779.6	744.0	716.0	705.4	704.1
20°	1056.2	1062.0	1005.0	926.8	852.0	781.0	723.0	689.6	674.6	667.1	666.3
22.5°	1088.8	1082.6	995.0	894.2	799.8	719.1	671.9	656.3	652.5	650.9	651.5
25°	1123.3	1104.2	980.3	851.5	733.8	657.1	634.4	638.8	643.8	643.2	643.2
27.5°	1161.4	1126.2	957.6	795.0	660.9	606.4	609.1	625.1	632.6	632.4	632.2
30°	1210.3	1151.2	928.7	727.0	592.6	570.6	587.0	606.6	616.8	616.4	616.6
32.5°	1270.3	1178.6	889.4	651.1	543.4	544.2	563.1	582.5	594.3	593.3	593.5
35°	1340.6	1209.4	836.2	576.2	510.7	523.2	538.2	551.7	562.9	561.5	560.0
37.5°	1417.2	1239.6	765.5	509.3	484.1	503.6	516.1	518.4	523.6	519.9	517.2
40°	1489.9	1262.7	674.4	454.4	457.3	487.0	495.1	486.0	476.6	475.4	471.6
42.5°	1553.4	1270.3	582.3	410.5	429.0	469.5	474.5	455.4	438.6	430.7	427.3
45°	1620.3	1273.1	496.4	373.7	401.8	453.9	459.4	433.8	410.1	393.0	387.4
47.5°	1707.9	1292.6	429.6	346.4	381.0	443.6	451.2	416.5	385.7	361.4	356.2
50°	1822.4	1331.3	375.3	325.6	367.4	436.7	445.4	399.7	365.8	336.5	331.3
52.5°	1949.7	1366.8	331.5	308.8	354.3	424.6	437.9	387.6	347.1	313.4	307.8
55°	2038.7	1339.6	296.1	291.3	337.3	407.4	427.5	377.4	320.2	290.9	285.9
57.5°	2055.8	1246.4	269.3	273.2	316.7	385.7	411.5	354.8	305.7	281.1	275.9
60°	2009.2	1116.7	249.3	256.6	294.7	358.5	381.6	338.7	291.7	270.7	266.4
62.5°	1892.1	983.8	234.6	241.6	274.1	330.8	362.9	321.9	277.6	258.9	254.5
65°	1655.7	826.0	220.4	228.3	254.9	306.9	346.0	306.3	263.7	249.3	245.2
67.5°	1249.8	618.6	207.1	214.2	237.9	286.1	327.7	290.9	250.2	241.0	236.0
70°	735.9	387.4	191.9	199.4	220.0	264.5	308.2	274.1	233.3	229.2	222.7
72.5°	342.5	233.1	174.7	182.0	197.5	235.6	283.0	252.0	213.4	204.2	195.5
75°	204.4	170.5	154.3	160.7	171.8	204.8	251.4	229.6	194.4	182.4	173.2
77.5°	152.8	130.4	131.8	138.7	147.6	179.3	222.7	211.9	179.9	170.5	164.3
80°	110.0	99.0	107.5	115.0	124.4	163.0	213.4	195.9	162.6	150.1	144.3
82.5°	73.4	71.1	80.9	88.6	97.7	142.7	200.5	171.6	138.9	123.1	110.2
85°	40.5	42.8	54.5	57.8	65.7	100.4	164.3	137.9	104.6	84.2	80.5
87.5°	16.8	19.8	29.3	28.3	34.9	59.9	108.1	83.2	66.5	49.7	38.7
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)