

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: P318345

Luminaire Tested: **GAN-SA1A-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4445 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

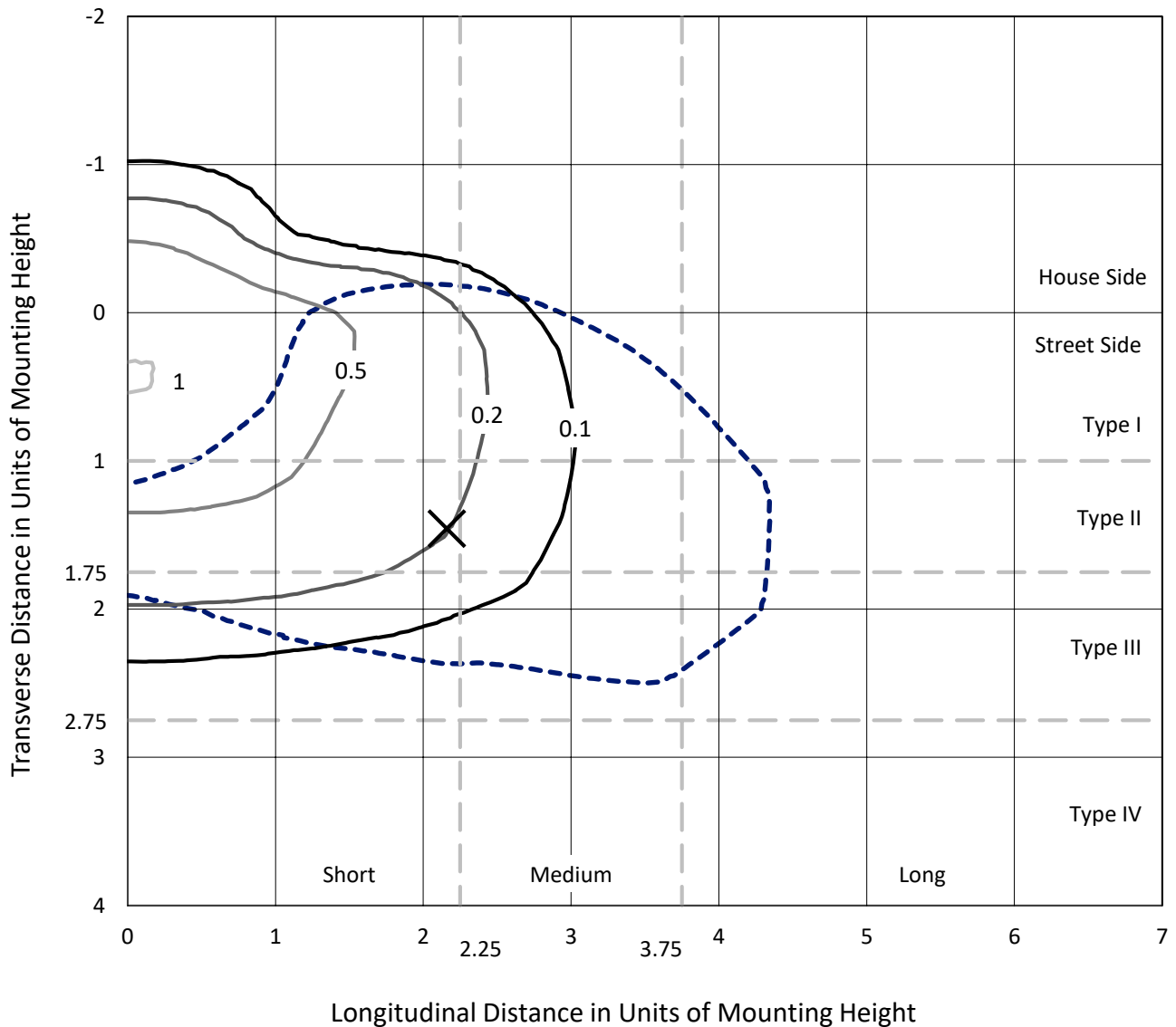
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318345
 CATALOG NUMBER: GAN-SA1A-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

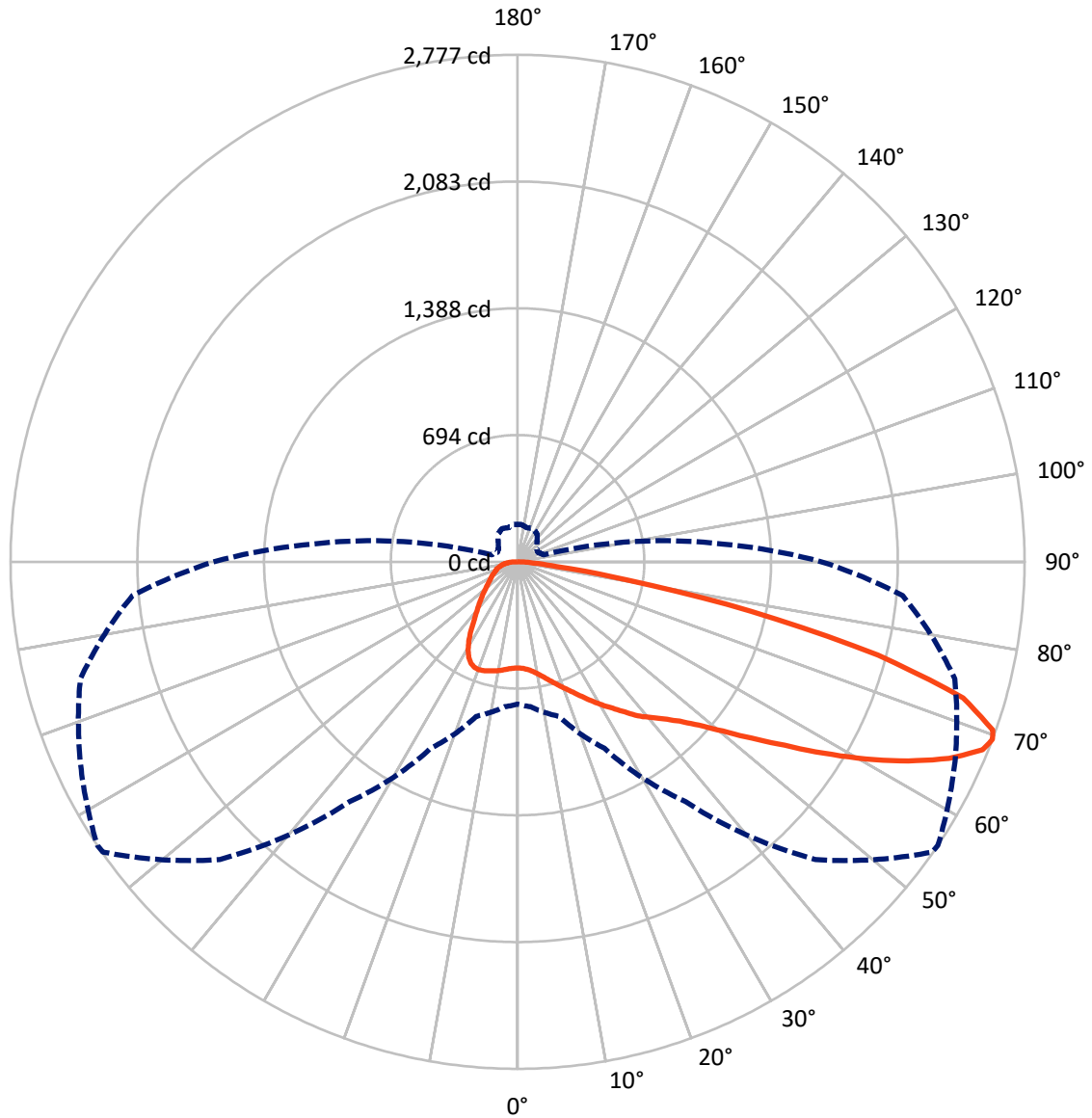
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

REPORT NUMBER: P318345
CATALOG NUMBER: GAN-SA1A-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P318345
 CATALOG NUMBER: GAN-SA1A-730-U-T3

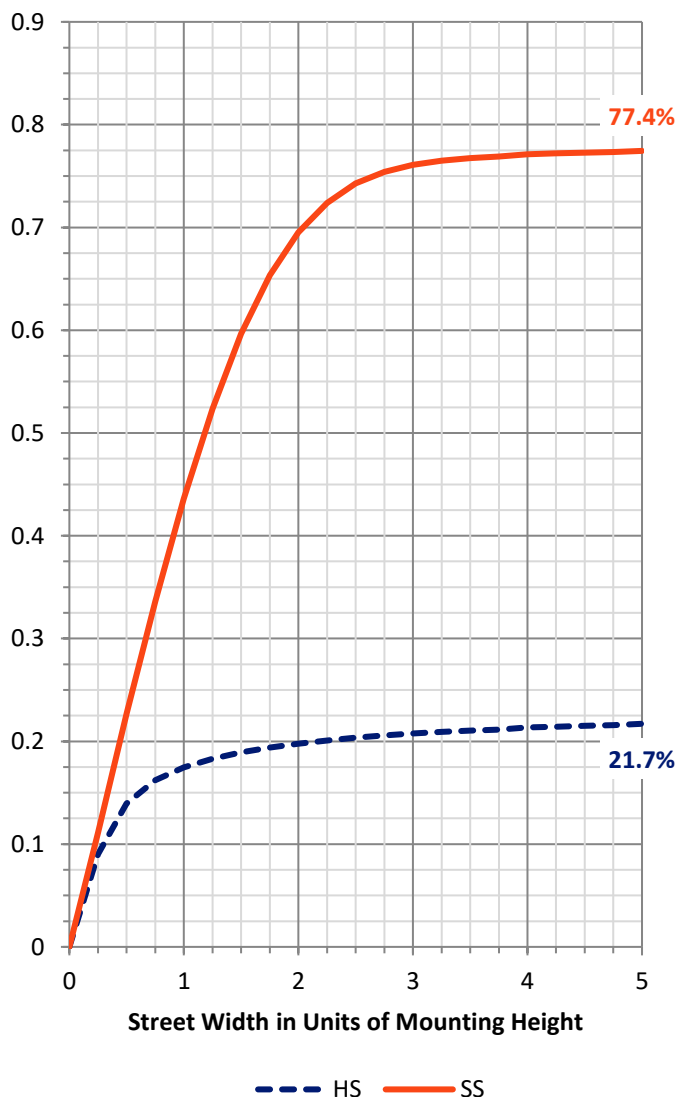
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.9	0.0	989.9
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	3455.1	0.0	3455.1
	% Fixture	77.7	0.0	77.7
Total	Lumens	4445.0	0.0	4445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	1.3
10°-20°	183.5	4.1
20°-30°	320.4	7.2
30°-40°	460.2	10.4
40°-50°	636.9	14.3
50°-60°	933.1	21.0
60°-70°	1137.7	25.6
70°-80°	629.0	14.2
80°-90°	87.1	2.0
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°	4445.0	100.0
0°-180°	4445.0	100.0

Coefficient of Utilization

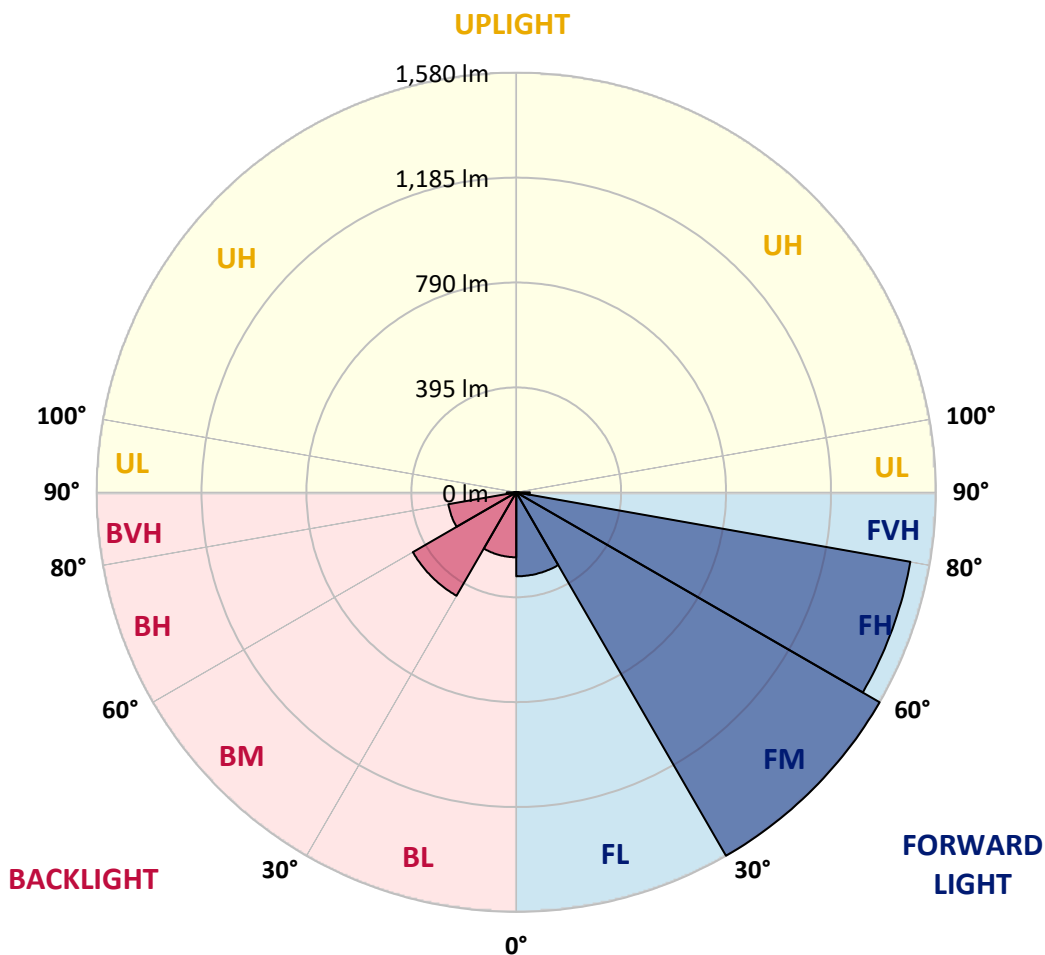


REPORT NUMBER: P318345
 CATALOG NUMBER: GAN-SA1A-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.3	7.1			
FM (30°-60°)	1580.4	35.6			
FH (60°-80°)	1507.1	33.9			G1/1800
FVH (80°-90°)	51.3	1.2			G1/100
BL (0°-30°)	244.6	5.5	B1/500		
BM (30°-60°)	449.9	10.1	B1/1000		
BH (60°-80°)	259.6	5.8	B1/500		G1/500
BVH (80°-90°)	35.8	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-G1
 Type III Short





REPORT NUMBER: P318345
 CATALOG NUMBER: GAN-SA1A-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
2.5°	584.8	585.4	584.9	586.2	584.8	585.7	584.9	584.9	584.5	583.1	581.6
5°	594.0	595.2	594.4	595.7	594.0	594.3	592.9	592.9	591.5	588.6	585.6
7.5°	608.4	609.8	609.1	610.4	608.1	608.1	606.2	606.1	603.3	598.6	595.1
10°	625.5	627.4	626.7	628.6	626.7	627.4	625.5	625.5	621.8	615.1	610.7
12.5°	650.5	652.8	651.1	650.9	650.2	651.4	649.9	649.6	646.2	637.0	630.9
15°	683.9	686.3	682.8	682.5	678.2	677.7	677.7	677.3	675.1	664.1	654.0
17.5°	722.3	723.1	720.0	715.1	709.6	706.1	705.6	706.8	706.8	694.0	677.9
20°	760.0	761.3	758.9	753.4	746.3	741.1	737.5	739.9	739.8	724.4	701.6
22.5°	801.0	804.2	800.5	793.5	785.2	779.4	773.0	775.1	775.3	756.4	724.9
25°	854.1	851.2	848.9	839.0	827.2	821.2	815.2	817.4	816.8	790.9	748.9
27.5°	901.2	901.8	898.7	888.1	874.5	861.3	861.0	862.4	860.1	826.7	771.6
30°	955.8	956.1	951.8	942.3	927.5	910.5	906.5	908.8	903.9	860.7	795.5
32.5°	1010.2	1011.7	1007.0	995.5	983.5	962.9	954.9	956.4	944.2	895.5	820.1
35°	1057.8	1059.9	1058.4	1050.8	1037.7	1020.0	1010.5	1009.6	994.4	938.1	852.8
37.5°	1106.3	1108.3	1106.6	1100.2	1095.0	1076.2	1071.1	1071.1	1044.8	981.5	894.3
40°	1156.3	1159.3	1157.3	1148.5	1144.0	1135.4	1123.3	1120.4	1091.9	1033.8	961.9
42.5°	1202.7	1206.6	1214.6	1209.4	1200.4	1201.6	1177.2	1175.7	1154.9	1110.9	1046.9
45°	1268.5	1274.3	1287.8	1283.8	1282.0	1275.2	1246.3	1244.9	1237.0	1214.8	1152.4
47.5°	1340.3	1348.3	1372.6	1373.4	1393.1	1380.4	1341.1	1336.3	1338.2	1339.1	1281.2
50°	1406.5	1415.2	1455.2	1474.0	1520.6	1523.3	1460.4	1456.1	1463.3	1484.4	1431.3
52.5°	1459.3	1470.3	1520.2	1578.4	1658.2	1680.9	1607.2	1604.0	1609.4	1645.8	1600.9
55°	1498.0	1510.0	1564.3	1670.3	1797.7	1837.7	1776.3	1773.2	1776.6	1823.0	1785.5
57.5°	1507.1	1510.0	1588.8	1732.2	1915.5	2011.5	1983.1	1977.0	1960.5	2000.9	1989.1
60°	1464.7	1476.3	1568.6	1753.9	2006.6	2182.8	2199.4	2191.7	2145.3	2178.4	2168.9
62.5°	1378.6	1399.4	1493.1	1720.8	2042.3	2322.8	2411.4	2402.3	2322.3	2343.8	2298.1
65°	1238.0	1246.9	1345.4	1606.8	1996.9	2412.4	2600.6	2596.0	2495.4	2461.8	2322.0
67.5°	986.6	1003.3	1086.9	1368.3	1811.5	2401.8	2746.8	2746.3	2608.4	2505.6	2237.3
69°	779.4	796.7	876.3	1127.2	1602.9	2305.2	2771.3	2776.7	2640.2	2479.0	2116.4
70°	621.4	641.4	696.1	949.4	1417.8	2177.8	2750.9	2760.6	2634.1	2435.0	2004.7
72.5°	264.5	280.7	319.6	489.4	864.1	1626.2	2515.3	2551.7	2492.1	2228.6	1656.8
75°	115.5	120.5	138.1	199.5	383.6	885.1	1970.4	2037.8	2130.9	1883.8	1234.2
77.5°	84.5	86.7	96.3	117.1	172.1	334.3	1267.1	1306.3	1536.8	1370.8	757.1
80°	65.4	66.9	74.4	86.1	112.4	135.2	577.9	611.6	864.1	704.1	315.3
82.5°	52.1	53.1	58.3	63.4	77.6	81.9	191.9	212.8	319.0	194.5	83.5
85°	48.4	49.6	51.5	46.2	49.8	48.1	83.0	86.8	96.3	76.4	34.9
87.5°	21.9	25.9	51.0	36.0	26.5	21.1	34.0	35.5	40.0	40.1	15.5
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: P318345
 CATALOG NUMBER: GAN-SA1A-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
2.5°	582.5	582.0	582.8	581.0	583.3	583.1	582.3	582.6	584.2	584.0	584.2
5°	586.0	585.7	586.6	585.3	588.0	588.9	589.1	590.5	592.1	592.6	592.6
7.5°	594.9	594.9	595.4	593.5	595.4	595.2	594.4	595.8	597.5	597.7	597.5
10°	610.2	610.4	609.6	604.9	603.3	599.2	595.4	595.5	597.7	599.3	599.8
12.5°	629.5	628.9	625.5	616.8	610.4	601.9	598.0	597.8	600.0	601.3	601.8
15°	651.6	649.9	641.1	626.9	615.6	607.3	600.9	599.3	598.1	596.6	596.7
17.5°	672.4	668.6	654.0	634.3	622.3	611.3	598.9	588.9	582.0	578.1	576.8
20°	693.5	686.0	665.0	641.1	626.0	605.9	582.0	561.8	549.3	543.4	542.4
22.5°	712.8	700.7	675.3	648.3	623.1	587.9	550.3	520.9	503.5	495.7	496.3
25°	731.6	714.8	686.0	653.4	608.4	556.0	506.2	470.1	449.9	441.2	440.9
27.5°	748.2	729.0	697.6	649.3	581.0	510.7	454.0	418.8	402.0	394.5	393.2
30°	767.2	747.0	713.1	633.5	540.8	458.3	403.0	378.2	366.3	358.8	357.4
32.5°	790.3	771.3	725.8	604.9	489.5	403.6	363.2	345.9	335.0	326.6	325.1
35°	824.0	803.5	729.0	563.8	433.2	360.5	334.0	316.2	301.5	290.6	289.6
37.5°	866.2	843.7	721.7	510.7	378.5	332.4	309.6	287.7	268.6	253.3	250.8
40°	927.2	893.2	701.3	449.4	338.3	310.8	285.9	260.9	237.2	219.3	215.8
42.5°	1000.4	951.2	670.1	388.5	308.7	289.0	262.3	231.4	208.7	196.0	194.2
45°	1093.5	1011.6	626.7	335.2	279.6	267.1	236.9	208.4	194.3	185.0	183.4
47.5°	1199.7	1079.2	581.3	291.9	255.0	246.5	216.5	198.1	187.0	179.6	178.2
50°	1330.4	1155.6	533.0	256.3	230.1	221.9	206.9	192.5	183.6	177.9	176.6
52.5°	1477.7	1241.9	498.3	228.3	209.6	203.7	201.8	189.4	182.2	177.9	176.6
55°	1636.3	1329.6	460.8	204.7	191.9	193.6	198.5	189.7	184.8	179.6	177.6
57.5°	1795.1	1420.3	419.0	184.8	177.8	186.0	196.2	190.3	186.2	181.1	179.3
60°	1920.7	1477.7	354.2	168.1	166.6	177.8	190.6	185.7	180.4	180.5	180.2
62.5°	1979.3	1474.6	282.7	153.3	155.4	166.6	181.8	178.5	174.1	180.1	180.5
65°	1946.4	1401.1	220.0	139.8	143.5	155.0	172.6	175.0	176.6	188.0	189.6
67.5°	1808.3	1258.1	170.4	128.0	132.6	147.0	173.5	190.6	192.6	204.7	204.6
69°	1665.4	1124.0	148.1	121.9	127.2	149.0	185.4	200.6	193.1	206.0	204.1
70°	1545.7	1017.8	136.1	117.8	124.8	152.5	193.4	200.4	190.8	201.8	198.8
72.5°	1190.4	732.3	115.5	110.1	116.5	145.9	195.7	196.0	185.4	187.6	182.4
75°	816.5	462.7	100.8	99.7	104.0	131.5	188.3	187.3	171.5	168.4	164.2
77.5°	450.2	235.0	85.6	89.7	92.6	116.5	171.2	169.7	156.6	150.2	148.7
80°	173.6	102.9	72.3	79.8	81.6	100.9	150.1	148.7	137.8	129.5	127.2
82.5°	65.5	53.9	59.7	69.1	68.4	83.3	127.1	126.3	115.8	103.7	100.0
85°	30.3	32.3	47.3	57.0	52.5	61.7	101.7	103.1	90.2	75.8	75.8
87.5°	12.9	18.1	33.5	43.0	35.4	41.7	74.6	71.2	65.4	45.3	42.6
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)