

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: P319305

Luminaire Tested: **GAN-SA1A-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4352 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

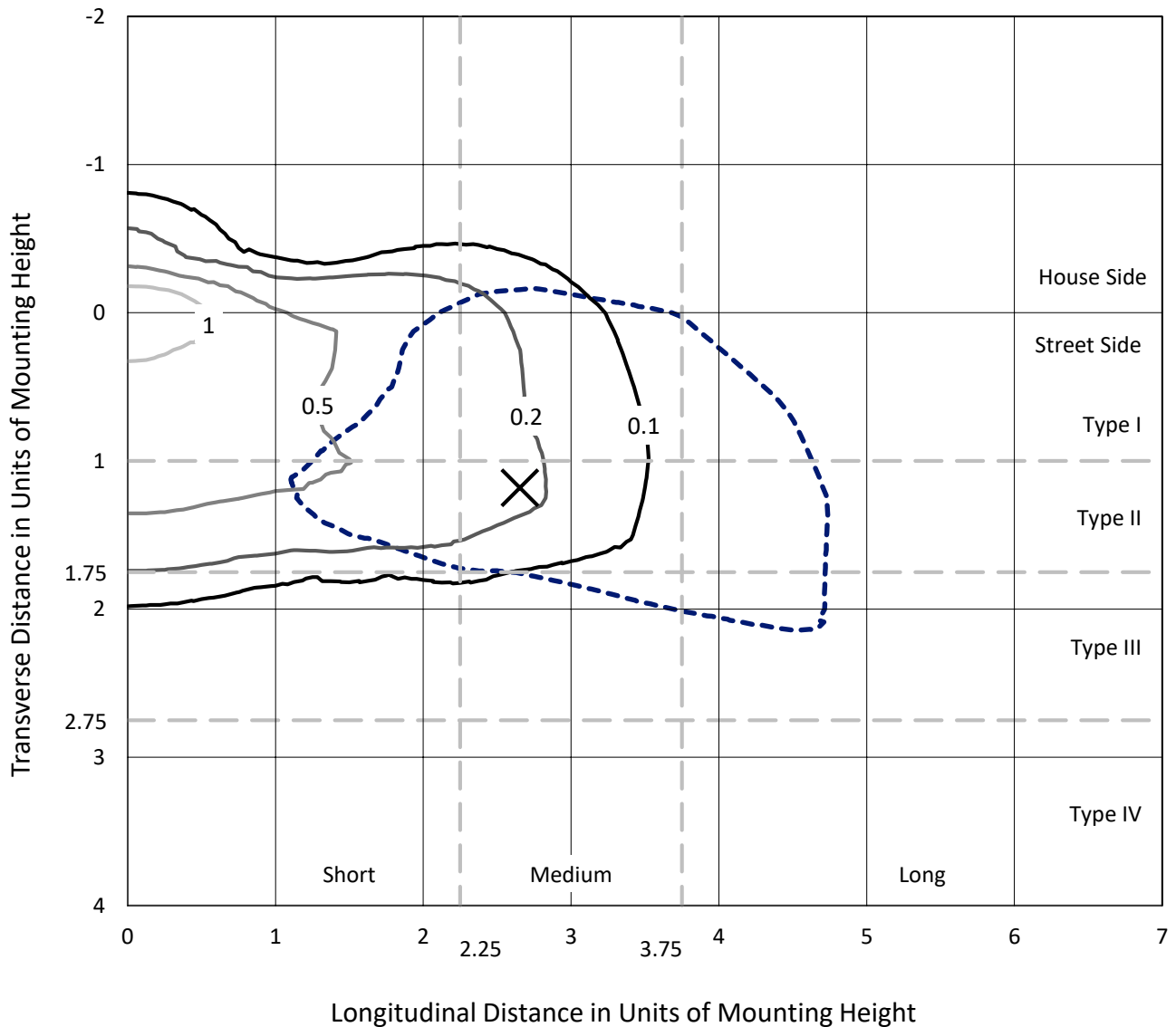
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319305
 CATALOG NUMBER: GAN-SA1A-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

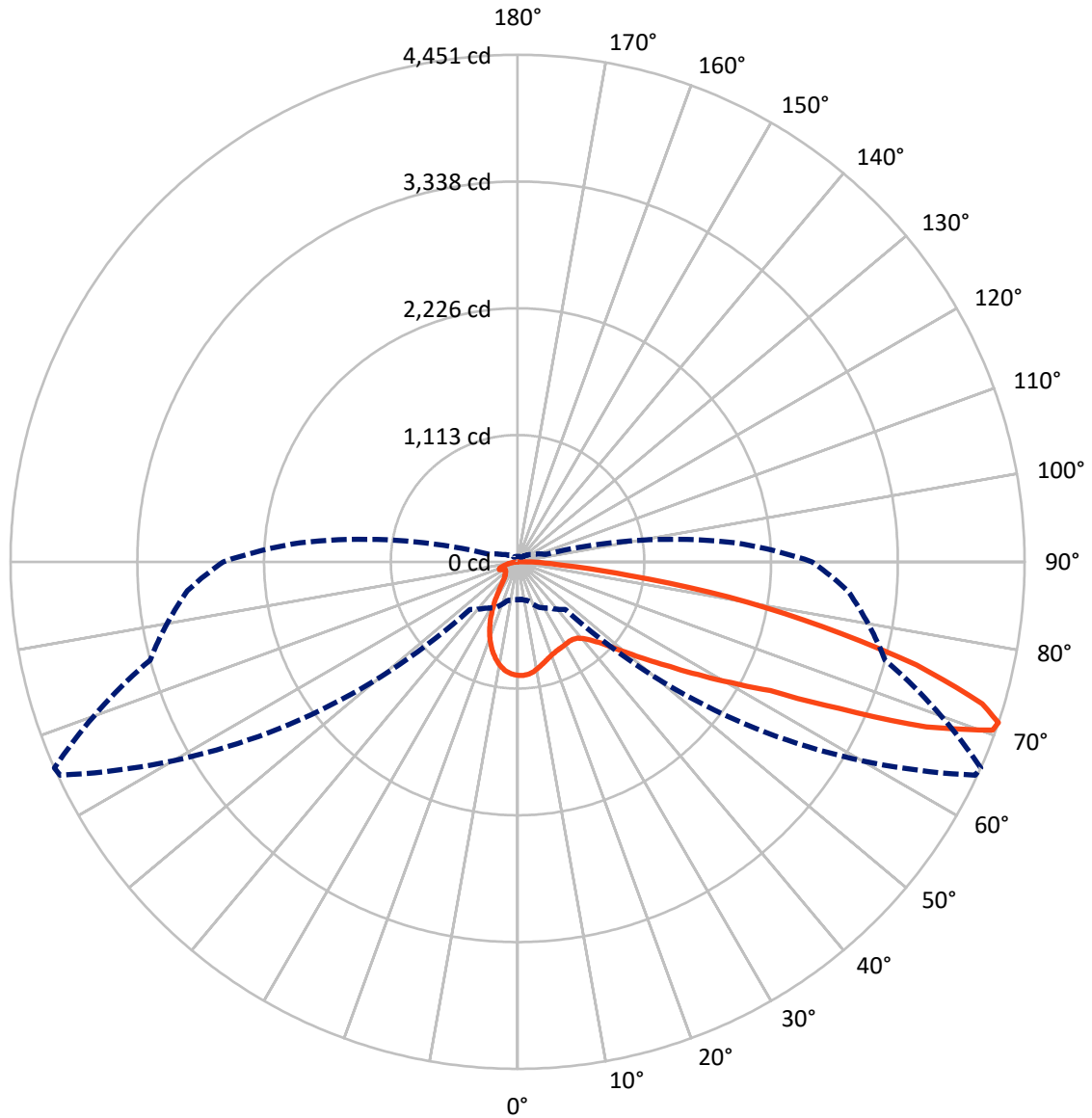
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P319305
CATALOG NUMBER: GAN-SA1A-730-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319305
 CATALOG NUMBER: GAN-SA1A-730-U-SL2

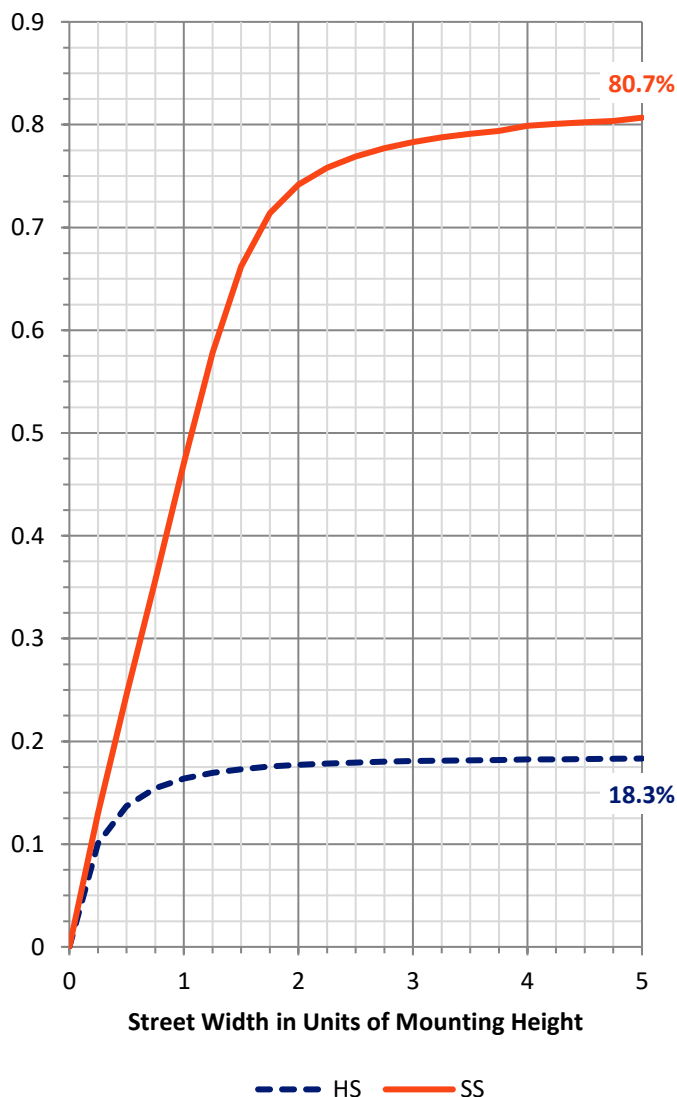
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	806.5	0.0	806.5
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3545.5	0.0	3545.5
	% Fixture	81.5	0.0	81.5
Total	Lumens	4352.0	0.0	4352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	2.0
10°-20°	210.5	4.8
20°-30°	282.7	6.5
30°-40°	371.9	8.5
40°-50°	541.0	12.4
50°-60°	845.2	19.4
60°-70°	1058.7	24.3
70°-80°	807.6	18.6
80°-90°	146.6	3.4
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°	4352.0	100.0
0°-180°	4352.0	100.0

Coefficient of Utilization

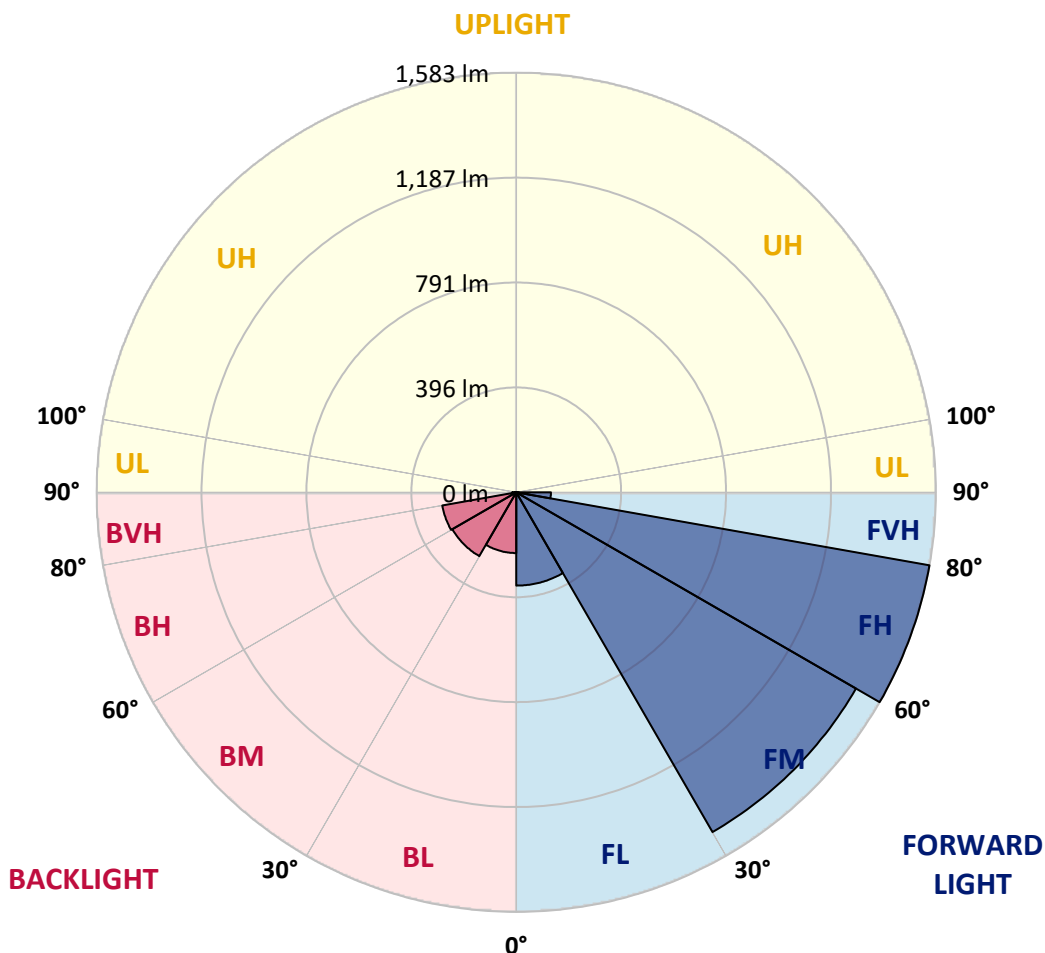


REPORT NUMBER: P319305
 CATALOG NUMBER: GAN-SA1A-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.9	8.1			
FM (30°-60°)	1479.9	34.0			
FH (60°-80°)	1582.9	36.4			G1/1800
FVH (80°-90°)	130.8	3.0			G2/225
BL (0°-30°)	229.0	5.3	B1/500		
BM (30°-60°)	278.2	6.4	B1/1000		
BH (60°-80°)	283.4	6.5	B1/500		G1/500
BVH (80°-90°)	15.9	0.4			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 III Medium





REPORT NUMBER: P319305
 CATALOG NUMBER: GAN-SA1A-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0
2.5°	978.5	977.0	981.5	986.1	987.9	990.9	995.5	998.0	997.9	998.3	996.8
5°	913.6	911.6	920.6	928.0	942.1	958.0	977.4	991.2	991.5	999.4	1001.5
7.5°	852.1	850.8	861.1	873.0	889.4	913.7	945.1	974.9	976.7	997.9	1005.2
10°	802.8	802.5	812.6	825.5	844.6	871.8	907.9	951.4	954.1	990.6	1005.8
12.5°	764.4	765.0	773.7	788.4	808.5	836.9	876.0	925.1	929.5	979.2	1002.4
15°	736.0	738.4	745.4	760.3	780.1	809.0	849.1	900.8	907.4	966.5	1000.4
17.5°	719.7	722.4	727.4	739.7	758.3	786.1	824.2	880.8	886.8	956.7	1000.6
20°	714.9	717.2	720.0	727.5	743.3	768.6	804.5	862.8	869.2	948.9	1002.1
22.5°	724.4	726.0	726.3	725.7	735.4	755.9	790.2	849.6	856.5	943.8	1003.1
25°	744.7	746.9	745.3	739.7	736.6	749.2	782.8	840.8	847.8	940.0	1001.0
27.5°	775.2	775.5	774.1	766.9	752.0	749.9	780.6	835.7	842.3	935.7	996.7
30°	816.6	818.6	816.2	806.4	782.1	762.0	783.3	830.8	836.8	930.1	989.6
32.5°	865.2	870.0	869.8	859.6	824.8	788.9	794.4	827.8	832.4	924.2	981.0
35°	915.5	922.1	934.5	930.1	887.0	831.4	815.7	832.6	835.7	923.5	975.0
37.5°	967.8	974.4	999.8	1011.5	961.0	892.2	849.4	849.6	851.1	932.6	974.6
40°	1022.5	1029.6	1067.7	1098.2	1057.1	969.3	903.6	885.0	883.4	955.2	983.4
42.5°	1099.1	1105.4	1151.3	1190.2	1163.6	1068.0	978.6	939.7	936.3	999.4	1011.8
45°	1196.1	1201.5	1250.1	1291.8	1278.1	1180.7	1072.8	1015.0	1014.4	1073.0	1069.4
47.5°	1311.3	1315.5	1359.2	1399.5	1404.5	1310.4	1191.2	1131.1	1121.4	1174.0	1158.5
50°	1431.4	1436.0	1465.8	1509.0	1545.8	1483.9	1343.6	1273.4	1260.4	1307.2	1284.7
52.5°	1510.8	1517.0	1542.8	1597.7	1704.8	1674.2	1523.8	1445.9	1426.1	1468.8	1451.5
55°	1475.4	1489.2	1528.7	1616.6	1831.9	1964.8	1746.0	1647.1	1624.7	1660.2	1650.0
57.5°	1314.2	1333.1	1387.0	1522.7	1849.8	2220.8	2082.0	1884.1	1868.3	1858.1	1862.7
60°	1019.5	1037.7	1104.5	1281.4	1725.3	2407.7	2587.6	2176.2	2153.3	2056.7	2060.9
62.5°	721.5	712.4	758.2	887.6	1401.9	2429.7	3162.9	2566.8	2491.7	2266.5	2248.0
65°	550.2	548.1	568.7	609.9	849.1	2167.2	3505.7	3223.5	3106.1	2513.2	2469.6
67.5°	452.1	448.4	468.7	528.6	546.8	1398.1	3513.2	3985.3	3870.0	2820.3	2726.0
70°	371.7	367.5	386.5	463.8	505.3	709.1	2956.8	4431.4	4425.2	3209.2	2919.5
71°	333.3	330.3	353.0	438.9	496.5	591.0	2552.9	4432.6	4451.1	3340.8	2908.1
72.5°	271.4	272.4	296.5	390.7	489.8	521.8	1876.3	4226.0	4265.1	3466.3	2804.3
75°	180.3	181.2	212.8	300.5	475.0	510.6	1031.2	3546.1	3617.9	3391.2	2558.9
77.5°	121.1	120.8	142.3	206.2	413.8	510.6	604.6	2652.2	2731.1	2698.3	1972.7
80°	83.4	82.8	98.0	142.3	313.3	516.7	467.5	1858.7	1882.6	1457.2	801.8
82.5°	51.1	51.5	64.0	100.5	213.2	465.0	441.3	1013.5	987.5	408.7	200.3
85°	29.3	29.1	40.9	68.1	136.9	392.5	430.3	436.2	400.1	123.1	72.4
87.5°	10.5	11.3	21.9	37.7	78.4	273.3	365.1	226.9	204.5	55.6	32.8
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: P319305
 CATALOG NUMBER: GAN-SA1A-730-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0
2.5°	995.8	996.7	995.6	989.6	984.5	976.2	971.6	965.1	963.2	962.2	964.7
5°	999.5	999.8	990.9	975.2	957.4	936.6	921.5	903.0	894.3	890.6	893.0
7.5°	1003.0	1001.6	982.2	952.0	919.3	882.9	850.6	821.0	803.7	796.7	797.3
10°	1003.4	997.7	966.6	919.9	869.1	815.7	766.2	720.5	691.6	672.9	678.6
12.5°	998.8	989.1	943.6	878.3	807.8	735.1	668.0	599.5	558.4	539.3	539.9
15°	995.2	977.7	915.4	829.3	734.6	638.3	546.8	466.2	422.4	402.8	393.7
17.5°	992.2	965.4	882.6	774.1	648.2	526.1	416.1	344.2	320.2	314.5	312.1
20°	987.9	952.3	846.1	710.3	549.8	400.4	303.8	268.4	268.5	275.1	276.0
22.5°	982.1	937.5	807.2	638.6	444.2	291.6	238.2	227.9	238.3	250.9	253.2
25°	973.4	919.9	763.9	559.4	338.7	224.2	203.4	203.0	215.6	228.8	230.8
27.5°	961.0	896.9	715.8	474.4	249.6	190.5	182.3	185.4	194.7	204.4	205.1
30°	944.5	870.1	662.8	384.7	195.6	169.6	168.7	171.6	177.3	184.1	184.7
32.5°	926.3	842.9	606.1	297.8	167.5	158.4	159.3	160.6	163.3	166.0	166.6
35°	909.8	815.1	548.1	226.3	154.2	151.0	150.4	150.1	150.4	149.5	149.7
37.5°	899.1	792.2	487.7	180.2	146.5	144.5	142.7	140.5	137.9	136.4	136.7
40°	895.2	775.0	426.6	155.7	140.2	138.8	135.4	130.6	127.6	126.7	126.7
42.5°	905.8	766.2	367.5	143.3	134.9	132.7	127.0	121.4	119.2	119.0	118.9
45°	937.9	769.8	311.3	136.6	130.1	125.8	118.3	113.6	112.1	112.4	112.2
47.5°	995.6	792.5	263.3	132.1	125.3	119.6	111.2	107.4	105.6	105.6	105.8
50°	1093.7	845.5	224.9	128.3	121.3	113.9	106.1	101.4	99.0	98.9	98.9
52.5°	1236.6	940.5	201.0	125.2	116.8	108.8	101.0	95.1	92.3	91.7	91.4
55°	1415.7	1076.6	194.4	123.1	110.7	103.2	94.8	89.0	85.8	84.4	84.3
57.5°	1616.0	1242.2	207.5	120.5	104.6	96.6	88.1	82.5	79.2	77.5	77.4
60°	1818.7	1422.9	260.8	116.9	99.5	89.4	81.1	76.0	72.7	70.9	70.6
62.5°	2021.7	1613.5	369.8	116.6	95.9	82.5	74.1	69.7	66.6	64.6	64.2
65°	2250.7	1822.0	493.6	124.6	94.7	76.2	66.9	63.4	60.7	58.9	58.8
67.5°	2513.7	2057.5	481.7	140.9	98.7	70.5	60.1	57.4	55.4	53.9	53.8
70°	2637.0	2020.7	299.5	152.5	104.4	64.9	53.6	51.7	50.2	49.1	48.7
71°	2585.3	1918.6	251.1	151.2	103.8	62.5	51.1	49.6	48.1	47.2	46.7
72.5°	2444.4	1749.7	209.5	140.6	97.1	58.1	47.8	46.3	44.9	43.9	43.6
75°	2193.5	1562.7	167.7	112.4	77.4	49.1	41.9	40.3	39.2	38.6	38.0
77.5°	1612.4	1115.2	129.7	88.8	56.9	40.1	35.8	34.6	33.5	32.6	32.2
80°	617.7	432.0	87.3	66.3	41.8	31.7	28.8	28.2	27.2	26.6	26.6
82.5°	166.3	129.1	46.6	40.1	27.9	23.1	22.1	21.8	20.9	19.7	19.8
85°	67.3	56.9	26.1	22.1	17.1	13.7	14.9	15.0	14.0	12.5	12.6
87.5°	29.6	24.2	14.6	9.8	7.5	5.3	6.8	6.8	6.2	5.1	4.7
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)