

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: P323465

Luminaire Tested: **GAN-SA1A-730-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1A-730-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3796 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

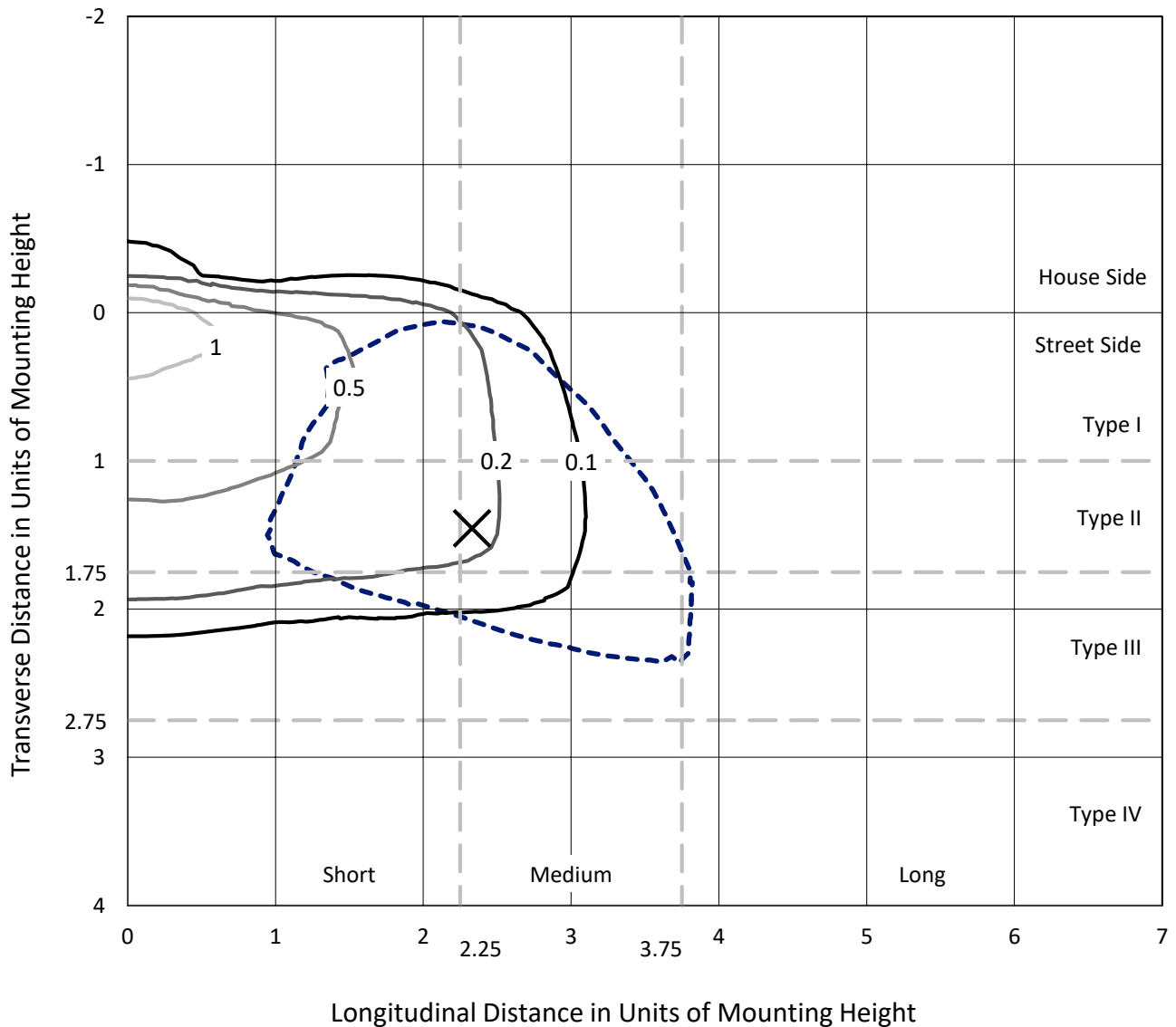
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323465  
 CATALOG NUMBER: GAN-SA1A-730-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

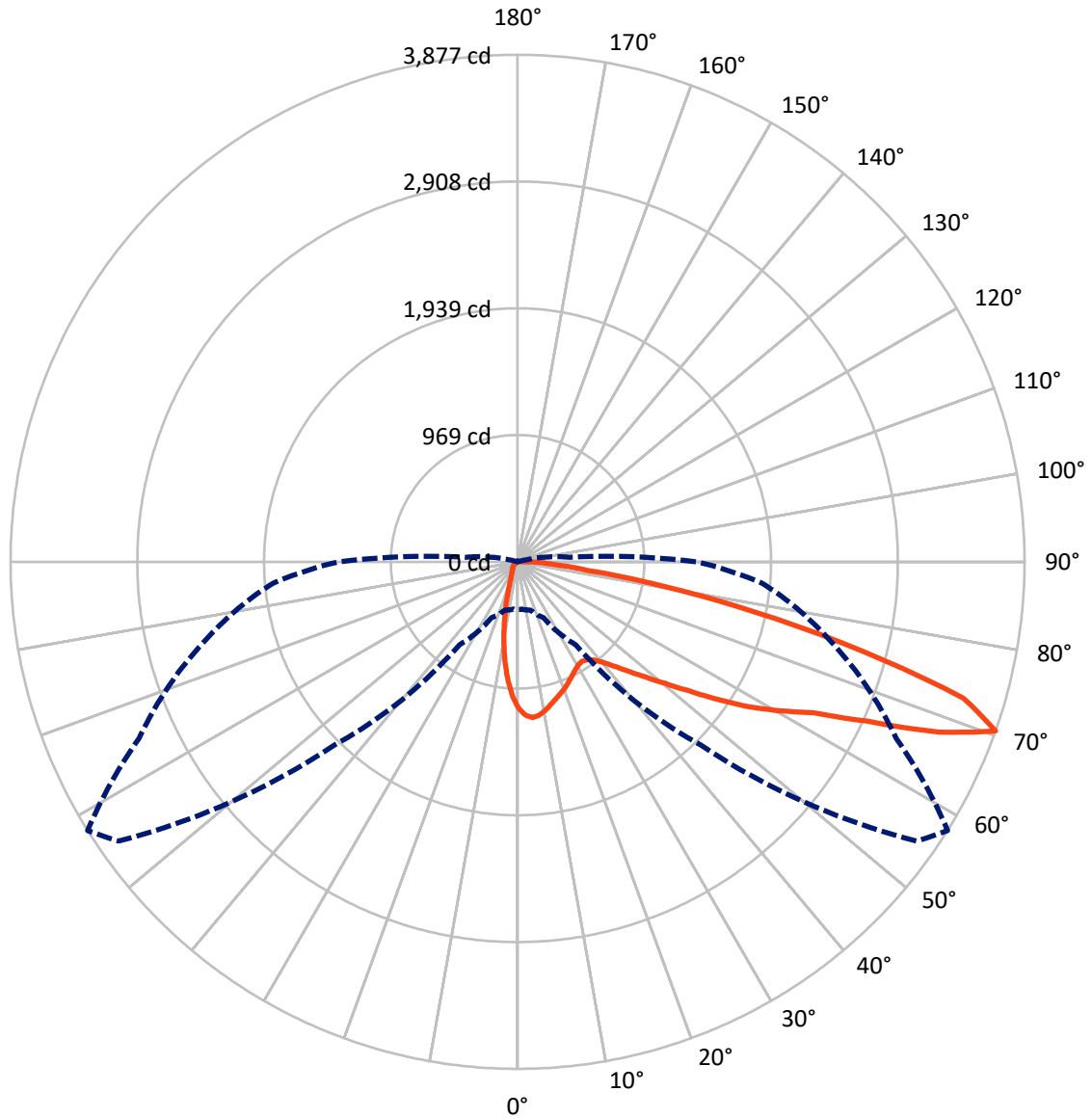
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P323465  
CATALOG NUMBER: GAN-SA1A-730-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323465  
 CATALOG NUMBER: GAN-SA1A-730-U-SL3-HSS

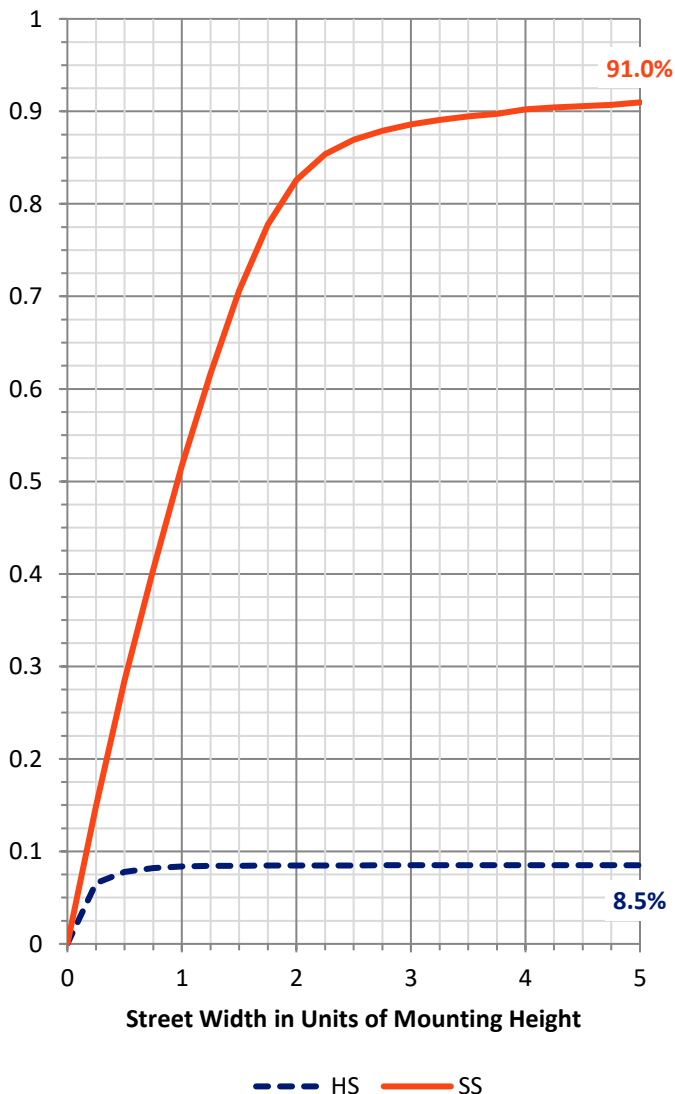
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	324.9	0.0	324.9
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	3471.1	0.0	3471.1
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	3796.0	0.0	3796.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.7	2.4
10°-20°	192.4	5.1
20°-30°	253.0	6.7
30°-40°	335.1	8.8
40°-50°	500.8	13.2
50°-60°	802.3	21.1
60°-70°	1011.3	26.6
70°-80°	545.5	14.4
80°-90°	63.9	1.7
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°	3796.0	100.0
0°-180°	3796.0	100.0

**Coefficient of Utilization**

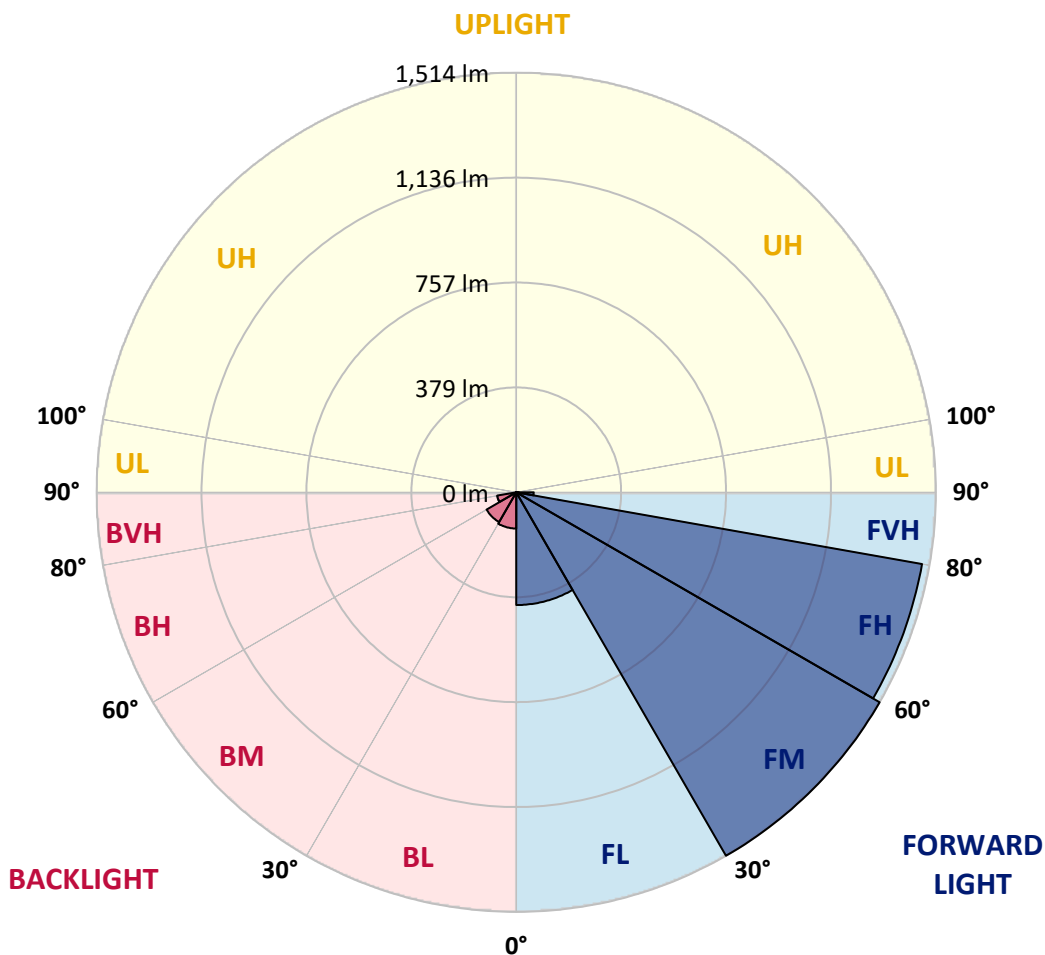


REPORT NUMBER: P323465  
 CATALOG NUMBER: GAN-SA1A-730-U-SL3-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.6	10.7			
FM (30°-60°)	1514.3	39.9			
FH (60°-80°)	1486.9	39.2			G1/1800
FVH (80°-90°)	63.3	1.7			G1/100
BL (0°-30°)	130.5	3.4	B1/500		
BM (30°-60°)	123.9	3.3	B0/220		
BH (60°-80°)	69.9	1.8	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
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 Medium





REPORT NUMBER: P323465

CATALOG NUMBER: GAN-SA1A-730-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3
2.5°	1214.3	1211.3	1210.2	1208.3	1201.0	1193.9	1179.9	1175.9	1167.1	1146.1	1123.8
5°	1215.2	1215.1	1218.4	1217.6	1215.1	1211.8	1201.7	1196.5	1181.5	1151.5	1110.7
7.5°	1156.7	1159.7	1167.1	1173.1	1180.0	1189.0	1190.3	1185.2	1172.9	1140.6	1086.6
10°	1078.1	1082.8	1093.2	1105.1	1123.2	1141.2	1157.3	1156.7	1152.4	1120.5	1057.6
12.5°	999.3	1004.8	1016.8	1034.3	1060.1	1089.4	1118.2	1122.1	1129.2	1102.5	1030.7
15°	930.3	935.1	946.9	968.4	1000.3	1039.7	1081.9	1089.1	1107.4	1088.5	1008.3
17.5°	871.8	874.8	883.5	907.3	944.2	992.0	1046.8	1061.0	1088.3	1077.4	988.9
20°	830.9	831.4	837.0	853.8	890.7	944.2	1010.5	1030.9	1068.1	1068.0	968.8
22.5°	810.7	809.1	810.2	819.8	847.0	898.6	974.2	998.4	1050.0	1059.9	948.5
25°	806.9	805.6	802.5	803.7	820.2	858.7	937.6	965.5	1034.0	1055.0	930.8
27.5°	818.7	820.0	814.6	808.9	810.2	832.8	905.1	937.4	1021.1	1055.0	918.3
30°	842.6	843.2	839.3	831.8	821.9	825.5	882.5	914.9	1014.6	1062.3	910.4
32.5°	868.9	872.4	871.9	865.9	851.7	837.0	877.1	906.7	1014.1	1078.4	909.7
35°	901.6	905.5	912.2	910.9	896.1	871.9	895.4	918.6	1023.5	1104.9	918.2
37.5°	936.3	942.3	956.5	963.3	953.7	926.4	936.5	953.1	1048.4	1147.8	939.8
40°	969.9	976.7	1002.6	1029.3	1022.0	993.9	998.7	1011.9	1092.8	1209.6	980.8
42.5°	1002.9	1013.0	1051.1	1095.0	1103.6	1081.2	1083.8	1094.3	1158.6	1294.5	1047.9
45°	1042.4	1053.8	1110.1	1164.3	1187.5	1177.7	1188.4	1195.3	1244.6	1406.7	1138.4
47.5°	1100.3	1113.4	1182.6	1244.3	1285.0	1291.3	1312.9	1317.5	1353.4	1537.4	1256.3
50°	1213.3	1217.0	1279.5	1335.5	1394.2	1432.1	1456.7	1460.2	1485.0	1680.2	1403.5
52.5°	1355.6	1357.9	1393.3	1430.9	1497.6	1575.0	1632.6	1637.5	1642.7	1819.5	1548.9
55°	1496.8	1496.5	1519.9	1542.0	1618.4	1730.8	1855.8	1858.8	1821.4	1951.6	1660.0
57.5°	1585.1	1593.6	1629.1	1657.5	1764.2	1908.3	2081.8	2092.8	2009.0	2049.4	1769.9
60°	1557.0	1561.1	1639.8	1745.0	1945.9	2160.7	2310.5	2313.4	2150.1	2147.1	1908.8
62.5°	1326.5	1328.7	1452.5	1669.2	2037.9	2488.1	2586.4	2540.2	2312.4	2282.7	2075.0
65°	909.2	923.5	1026.9	1294.8	1868.9	2693.4	3013.5	2937.0	2559.7	2478.1	2225.3
67.5°	535.4	532.4	583.5	780.9	1372.6	2557.1	3553.8	3477.8	2897.1	2609.0	2181.2
70°	365.7	363.7	383.2	472.7	774.9	1983.6	3723.8	3877.4	3194.9	2520.9	1877.2
72.5°	261.1	262.2	291.1	367.3	486.5	1155.7	3202.3	3565.8	3101.6	2197.7	1426.9
75°	177.3	180.3	221.6	301.3	426.5	588.0	2272.5	2710.6	2525.7	1597.2	820.2
77.5°	95.3	98.7	147.4	242.8	385.6	408.5	1461.8	1865.6	1586.5	718.0	237.7
80°	39.8	41.7	69.0	176.5	333.2	358.8	860.1	1131.3	676.0	141.6	53.0
82.5°	17.2	18.2	28.7	105.3	249.1	302.9	455.4	544.2	204.9	31.1	26.7
85°	3.3	3.5	11.8	55.7	158.9	170.9	295.2	289.3	92.0	13.4	19.4
87.5°	0.0	0.0	2.8	17.5	46.7	93.1	180.1	177.9	31.3	6.5	7.3
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: P323465  
 CATALOG NUMBER: GAN-SA1A-730-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3	1121.3
2.5°	1112.5	1101.6	1078.7	1050.4	1028.8	1005.0	986.0	962.1	951.6	952.1	946.4
5°	1087.5	1065.1	1014.5	950.5	901.3	850.5	806.7	763.2	737.4	729.1	721.2
7.5°	1051.9	1016.4	935.5	837.0	753.7	672.3	601.4	539.0	499.6	480.3	473.2
10°	1011.6	961.7	844.8	715.0	596.0	485.8	394.0	314.1	282.2	260.6	255.1
12.5°	976.3	908.7	756.1	589.9	448.6	315.7	228.1	178.4	156.7	148.2	146.8
15°	943.0	859.1	670.7	476.5	310.6	194.3	145.1	128.2	123.1	121.7	121.7
17.5°	911.5	811.9	587.2	364.9	205.5	136.2	120.1	116.3	114.8	114.6	114.8
20°	878.7	764.8	505.1	267.4	143.5	115.4	111.0	108.9	108.4	108.4	108.4
22.5°	847.3	717.6	425.2	191.0	115.1	105.3	103.1	101.7	101.2	101.0	100.7
25°	817.2	672.7	347.3	135.0	101.0	96.4	94.5	92.7	91.2	90.4	90.0
27.5°	792.4	632.8	274.6	108.3	91.2	87.3	84.9	82.1	78.6	77.0	76.4
30°	772.6	596.3	211.7	91.4	82.1	78.1	74.5	69.6	64.6	61.9	61.7
32.5°	757.2	560.5	160.7	80.8	73.9	69.0	63.8	57.6	51.8	48.8	48.6
35°	749.6	528.9	122.8	73.1	66.6	60.5	54.0	47.2	41.5	38.7	38.4
37.5°	754.6	502.3	95.8	66.6	60.5	53.4	45.8	38.7	33.6	31.1	30.9
40°	773.1	485.2	77.8	61.1	55.2	46.6	38.4	31.7	27.5	25.4	25.3
42.5°	812.4	478.9	66.5	56.5	50.2	40.3	31.9	26.2	22.3	20.8	20.5
45°	878.1	488.2	58.7	52.1	45.0	34.3	26.4	21.5	18.0	16.9	16.7
47.5°	965.5	512.7	53.2	47.8	40.3	28.9	21.9	17.4	14.7	13.6	13.4
50°	1078.2	551.5	48.6	43.6	35.8	24.5	18.2	13.7	11.4	10.6	10.6
52.5°	1200.9	597.8	44.5	39.6	31.4	20.4	14.7	10.6	9.0	8.1	8.1
55°	1302.2	638.2	40.1	36.6	26.0	16.9	11.2	8.1	6.6	6.2	6.2
57.5°	1403.4	681.3	35.0	31.4	20.8	13.7	8.5	6.0	4.9	4.6	4.6
60°	1534.6	734.0	30.1	25.6	16.4	10.4	6.3	4.3	3.6	3.5	3.5
62.5°	1678.8	764.9	25.7	20.5	12.8	7.7	4.6	2.8	2.7	2.7	2.5
65°	1767.1	721.2	21.6	16.4	9.9	5.8	3.0	2.1	2.4	2.2	1.9
67.5°	1654.5	564.6	17.7	12.8	7.7	4.4	1.9	1.4	2.5	2.1	1.6
70°	1369.9	395.2	13.7	9.0	6.2	3.8	1.3	0.9	2.7	2.1	1.3
72.5°	1025.2	264.5	10.9	6.0	4.6	3.3	1.1	0.5	2.4	1.7	1.1
75°	560.2	106.5	8.7	3.8	2.8	2.4	0.8	0.3	1.6	1.3	0.8
77.5°	147.4	28.1	6.3	2.5	1.6	0.9	0.5	0.2	0.8	0.6	0.3
80°	37.6	10.9	4.1	1.7	1.1	0.5	0.0	0.0	0.2	0.0	0.0
82.5°	20.0	4.6	2.5	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.2	3.0	1.4	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)