

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: P319625

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
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
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4444 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 - Medium
BUG Rating: B1 - U0 - G2

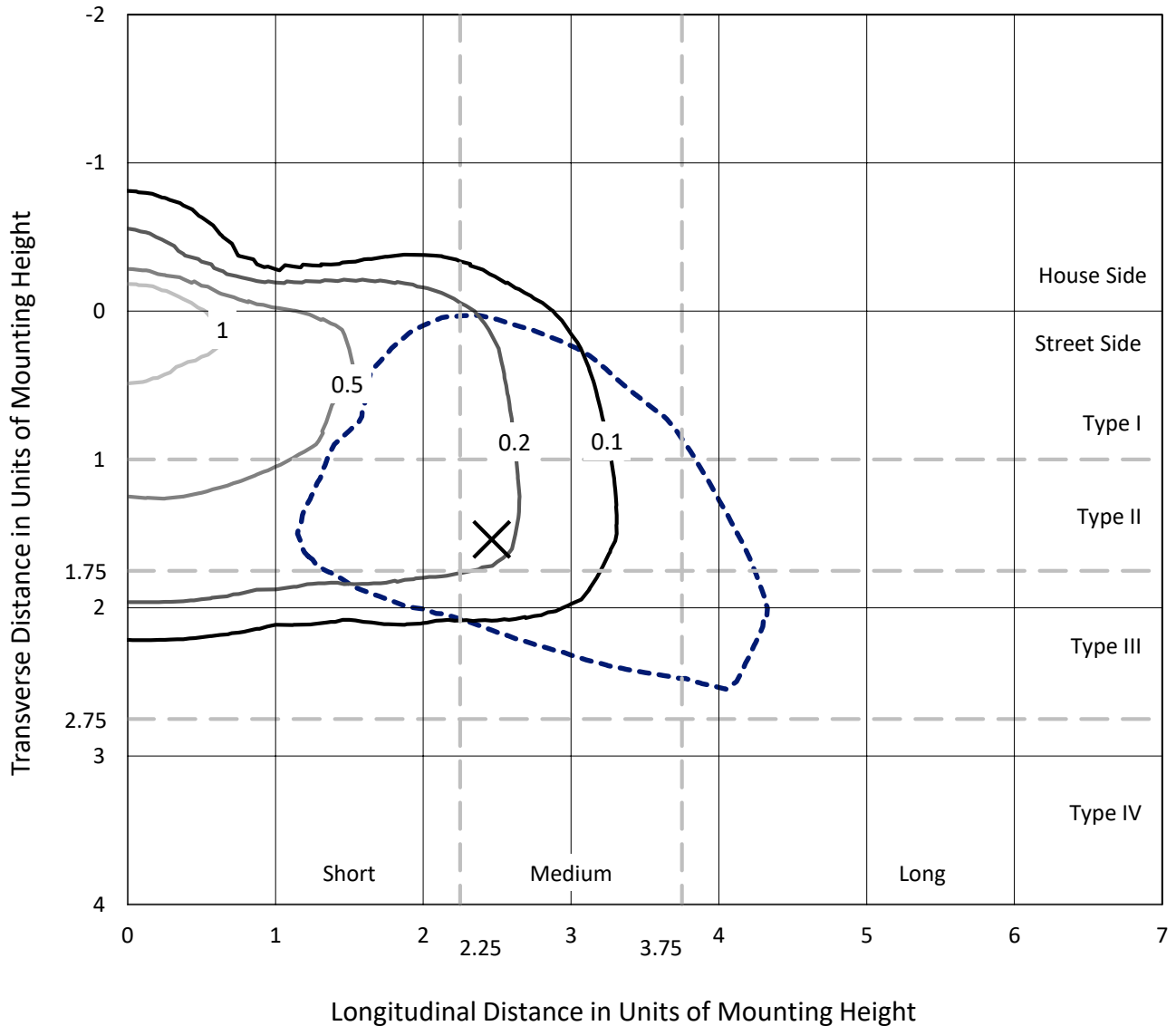
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

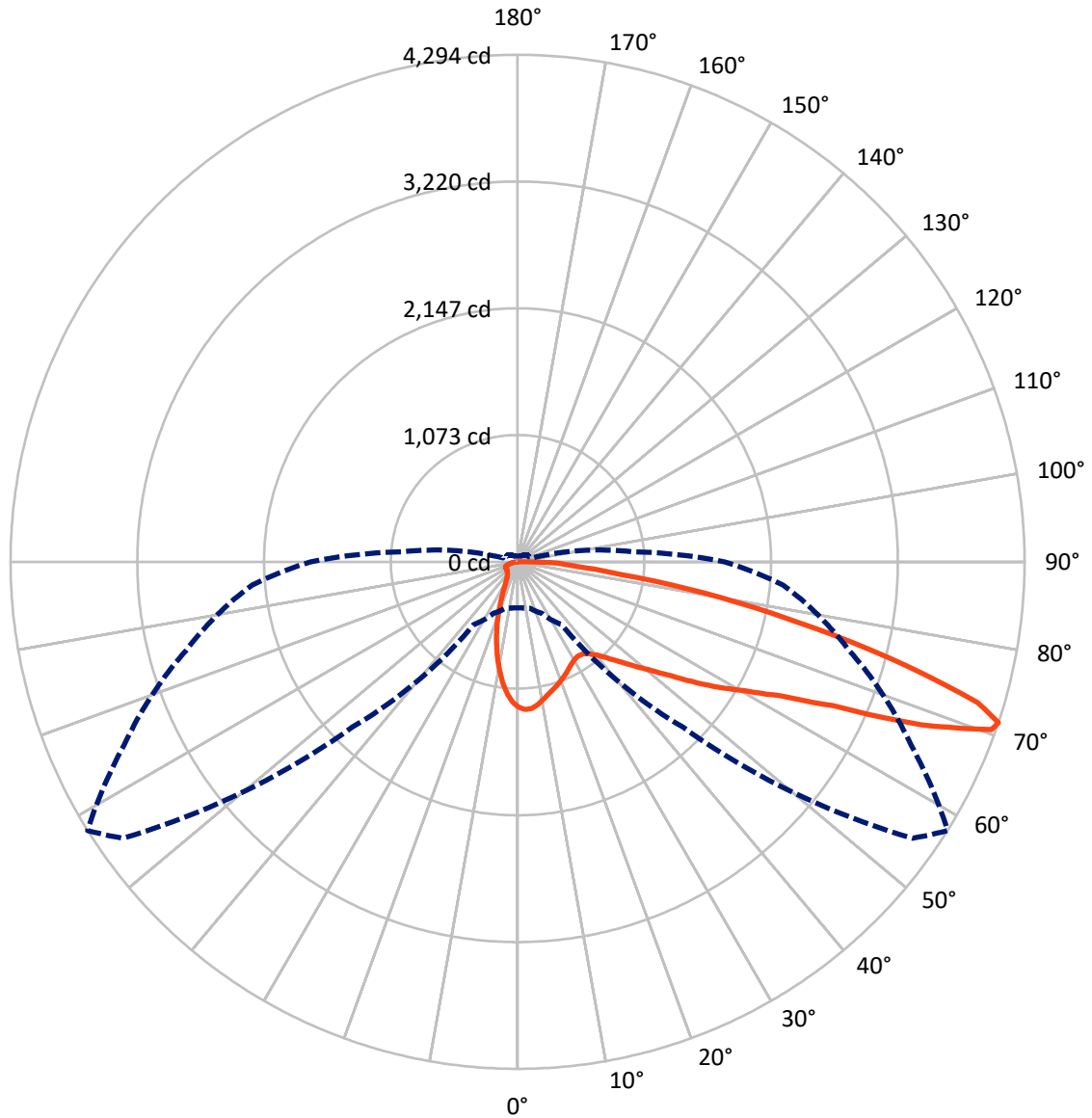
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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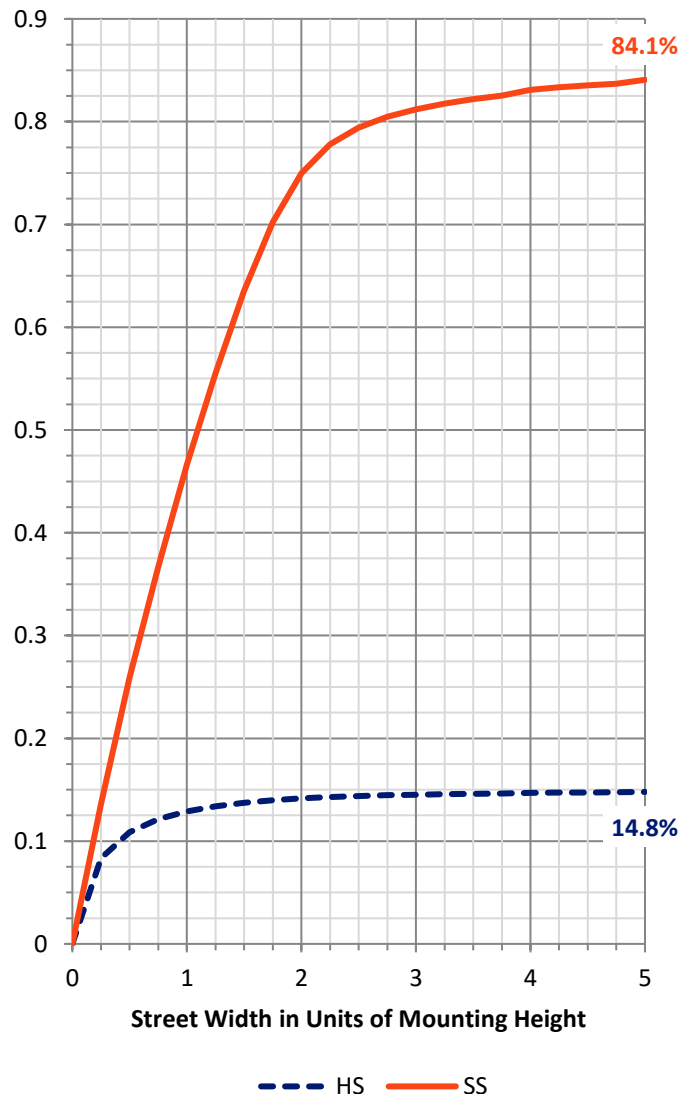
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	664.4	0.0	664.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	3779.6	0.0	3779.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	4444.0	0.0	4444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	2.4
10°-20°	236.2	5.3
20°-30°	300.2	6.8
30°-40°	382.4	8.6
40°-50°	542.2	12.2
50°-60°	839.1	18.9
60°-70°	1142.4	25.7
70°-80°	762.1	17.1
80°-90°	133.2	3.0
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°	4444.0	100.0
0°-180°	4444.0	100.0

Coefficient of Utilization

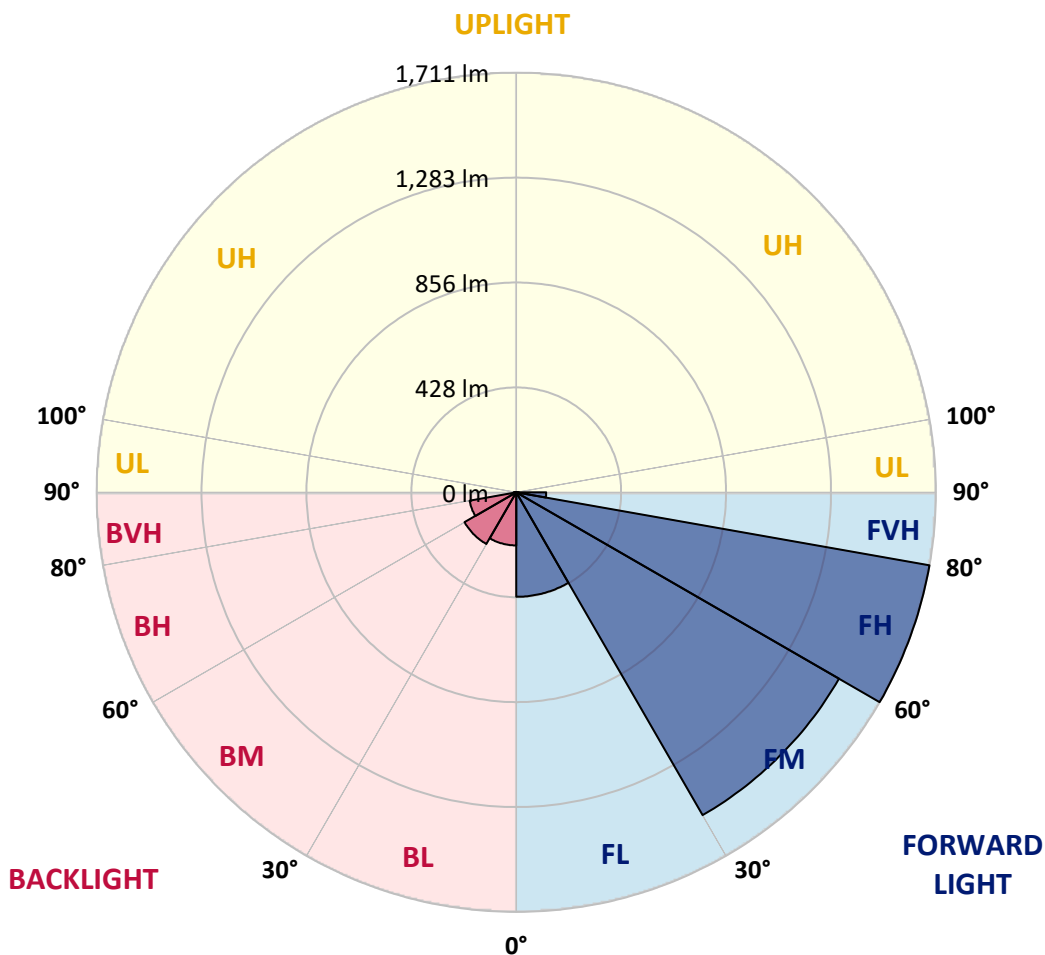


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.0	9.6			
FM (30°-60°)	1520.1	34.2			
FH (60°-80°)	1711.3	38.5			G1/1800
FVH (80°-90°)	122.2	2.7			G2/225
BL (0°-30°)	216.6	4.9	B1/500		
BM (30°-60°)	243.7	5.5	B1/1000		
BH (60°-80°)	193.1	4.3	B1/500		G1/500
BVH (80°-90°)	11.1	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3
2.5°	1263.9	1262.2	1262.9	1261.6	1258.7	1255.7	1251.4	1252.2	1246.1	1237.2	1226.0
5°	1240.1	1239.5	1244.1	1246.8	1248.9	1247.2	1246.0	1247.5	1238.7	1226.3	1207.0
7.5°	1190.1	1183.3	1189.2	1198.0	1206.4	1212.7	1221.1	1222.2	1216.6	1203.6	1178.2
10°	1119.1	1112.6	1121.2	1135.0	1151.7	1166.9	1183.8	1186.9	1187.9	1176.2	1145.4
12.5°	1045.4	1040.4	1049.1	1068.4	1096.1	1119.5	1146.5	1151.1	1160.7	1152.8	1115.0
15°	979.4	977.6	988.1	1007.1	1039.0	1074.8	1113.6	1122.2	1138.4	1135.8	1091.3
17.5°	922.5	922.0	930.0	950.0	985.3	1030.5	1081.0	1095.4	1119.5	1122.6	1071.8
20°	880.0	879.1	884.7	899.4	935.8	987.0	1045.7	1065.5	1100.3	1111.2	1051.7
22.5°	857.3	857.1	857.3	864.3	894.0	941.7	1011.3	1035.5	1081.6	1102.0	1029.4
25°	853.4	853.0	849.5	848.8	865.6	903.7	977.3	1003.9	1063.8	1095.7	1008.2
27.5°	863.5	864.1	859.6	852.3	855.7	878.8	947.7	976.2	1049.5	1094.4	993.5
30°	884.4	884.1	880.2	872.6	866.0	869.5	926.6	955.1	1040.0	1099.9	983.4
32.5°	907.4	909.1	908.4	904.2	894.3	880.0	920.3	948.2	1037.2	1112.9	979.1
35°	935.2	937.0	942.6	945.8	934.2	911.3	933.9	958.1	1045.2	1137.3	986.1
37.5°	961.5	966.3	981.9	995.7	985.8	960.2	970.1	987.3	1070.1	1175.9	1004.8
40°	991.8	996.0	1021.5	1050.8	1049.2	1022.8	1028.5	1040.0	1114.1	1231.1	1038.7
42.5°	1021.7	1030.0	1067.0	1108.5	1120.4	1097.1	1106.2	1112.2	1176.0	1304.4	1097.8
45°	1061.5	1070.4	1121.8	1171.8	1199.7	1186.5	1201.1	1203.4	1253.9	1404.0	1183.8
47.5°	1121.7	1131.9	1191.8	1244.3	1286.9	1288.3	1312.2	1311.3	1351.1	1518.1	1292.0
50°	1215.5	1230.2	1279.3	1328.3	1380.0	1408.8	1440.9	1436.4	1467.7	1639.6	1416.6
52.5°	1338.4	1345.2	1381.6	1417.8	1482.1	1546.6	1592.6	1588.6	1599.9	1764.6	1558.1
55°	1465.8	1470.9	1485.9	1505.7	1592.1	1697.4	1794.6	1788.3	1759.6	1894.3	1697.9
57.5°	1580.4	1590.7	1601.1	1609.3	1703.0	1855.0	2001.3	2001.7	1933.0	2034.2	1842.3
60°	1598.2	1607.3	1675.9	1740.6	1892.6	2065.2	2222.5	2217.8	2112.4	2186.1	2003.3
62.5°	1412.7	1433.3	1547.9	1720.0	2075.3	2449.7	2504.7	2498.9	2327.0	2373.3	2190.7
65°	1012.4	1035.8	1174.0	1432.7	1986.7	2873.4	3014.0	2936.9	2619.5	2603.4	2410.2
67.5°	584.1	589.6	649.5	857.3	1512.7	2895.5	3790.9	3683.0	3073.9	2864.6	2517.7
70°	431.9	431.7	446.0	527.6	818.6	2363.2	4160.4	4257.2	3552.2	2950.5	2365.8
71°	390.6	391.0	407.0	480.2	648.3	1978.0	4081.9	4293.7	3678.2	2908.1	2255.9
72.5°	334.1	335.6	357.7	430.7	545.4	1364.1	3743.9	4074.5	3738.0	2803.4	2083.9
75°	253.4	257.0	287.6	363.0	498.5	691.8	2747.7	3253.6	3320.6	2473.7	1548.5
77.5°	180.8	184.8	219.5	305.3	473.8	521.4	1840.1	2373.3	2443.7	1585.3	698.5
80°	114.2	119.0	145.2	242.9	445.2	495.1	1156.4	1595.2	1332.5	507.3	177.7
82.5°	67.0	70.7	90.1	158.7	363.6	476.8	680.3	884.2	518.6	153.3	80.8
85°	38.9	40.6	56.2	101.1	264.1	450.0	499.9	494.3	225.1	74.9	38.2
87.5°	18.1	20.1	33.3	52.8	146.6	326.2	395.1	341.3	139.9	35.1	18.0
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°	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3	1231.3
2.5°	1220.6	1218.0	1207.0	1197.2	1187.0	1173.7	1159.0	1157.1	1148.2	1149.9	1146.8
5°	1196.5	1189.8	1163.3	1139.3	1111.0	1085.6	1058.1	1045.4	1027.1	1025.9	1021.2
7.5°	1161.9	1149.6	1108.5	1063.0	1017.5	974.2	931.3	903.1	874.3	862.1	861.0
10°	1123.1	1102.0	1041.7	974.3	908.7	845.4	784.1	738.7	697.8	678.5	677.7
12.5°	1086.2	1055.1	972.3	880.7	790.9	708.8	624.8	565.2	513.9	496.8	489.5
15°	1055.0	1011.2	904.8	787.6	678.6	564.7	469.0	406.4	359.0	342.6	339.5
17.5°	1024.6	968.3	835.6	693.7	561.9	436.7	340.9	294.3	269.0	262.4	262.2
20°	994.4	924.2	763.3	597.5	449.1	326.6	262.1	241.2	232.7	231.9	230.7
22.5°	960.2	877.4	687.3	501.1	350.5	256.8	222.8	214.4	213.3	216.1	216.1
25°	928.2	831.0	610.2	406.7	272.6	214.2	198.9	197.2	200.2	205.1	205.6
27.5°	898.3	786.2	535.0	322.8	218.4	188.7	182.4	184.4	189.6	195.4	195.5
30°	873.7	744.0	461.9	254.3	184.5	169.7	168.6	172.6	178.3	182.8	183.9
32.5°	854.7	707.9	391.3	204.5	162.4	155.4	156.3	159.8	163.3	165.8	167.5
35°	845.8	676.9	326.2	172.4	148.3	144.4	145.7	147.5	149.1	150.9	152.3
37.5°	847.4	652.9	268.0	152.5	138.9	136.8	136.8	136.8	136.8	137.8	137.9
40°	861.8	639.2	220.6	139.8	132.5	130.3	128.6	127.1	125.9	126.5	126.2
42.5°	898.6	637.9	185.9	131.7	127.4	123.8	120.4	118.3	116.7	117.3	117.6
45°	961.2	653.4	162.5	126.0	122.6	117.2	112.8	110.5	109.4	111.5	111.8
47.5°	1042.1	687.2	148.3	121.8	118.1	111.0	106.3	104.2	104.5	107.4	108.2
50°	1146.5	742.0	141.5	119.2	115.0	105.7	100.9	99.1	100.0	104.2	105.1
52.5°	1261.0	820.9	142.3	118.4	113.0	101.9	96.8	94.6	96.1	100.0	100.8
55°	1393.2	915.8	155.1	119.5	110.1	99.4	93.3	89.6	90.9	94.4	95.0
57.5°	1540.1	1024.5	181.0	119.2	106.3	97.1	89.8	84.2	85.1	87.3	87.9
60°	1693.1	1155.7	221.1	120.1	104.6	94.3	85.0	78.0	77.7	79.6	79.9
62.5°	1876.6	1307.6	266.9	120.7	105.7	90.7	78.6	71.8	70.9	71.4	71.7
65°	2065.8	1417.5	249.7	118.3	109.1	87.8	73.1	65.8	64.1	63.8	63.9
67.5°	2071.7	1299.7	175.1	113.3	110.5	86.2	68.9	60.7	57.9	56.8	56.7
70°	1857.9	1055.9	136.4	108.1	105.0	83.7	65.0	56.5	52.3	50.6	50.5
71°	1753.6	972.0	129.3	105.4	100.8	81.3	63.3	54.6	50.3	48.5	48.1
72.5°	1590.0	871.4	120.6	101.2	92.7	74.9	60.1	52.0	47.5	45.4	44.9
75°	1141.0	569.8	103.6	90.2	76.8	59.8	52.6	46.7	42.9	40.2	39.9
77.5°	439.6	226.8	78.3	75.1	58.8	46.7	43.3	40.4	37.6	35.0	34.8
80°	135.9	101.4	57.1	56.5	42.6	34.8	33.7	33.0	31.9	29.1	28.5
82.5°	72.6	58.2	39.3	36.5	27.9	23.2	24.5	24.8	24.9	22.0	21.7
85°	34.7	30.8	22.1	20.7	16.3	13.0	15.0	16.3	16.4	13.5	12.5
87.5°	16.6	16.1	10.4	7.9	6.0	4.3	5.3	6.5	7.1	5.1	4.5
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)