

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: P382789

Luminaire Tested: **GAN-SA1C-735-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-735-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7052.8 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

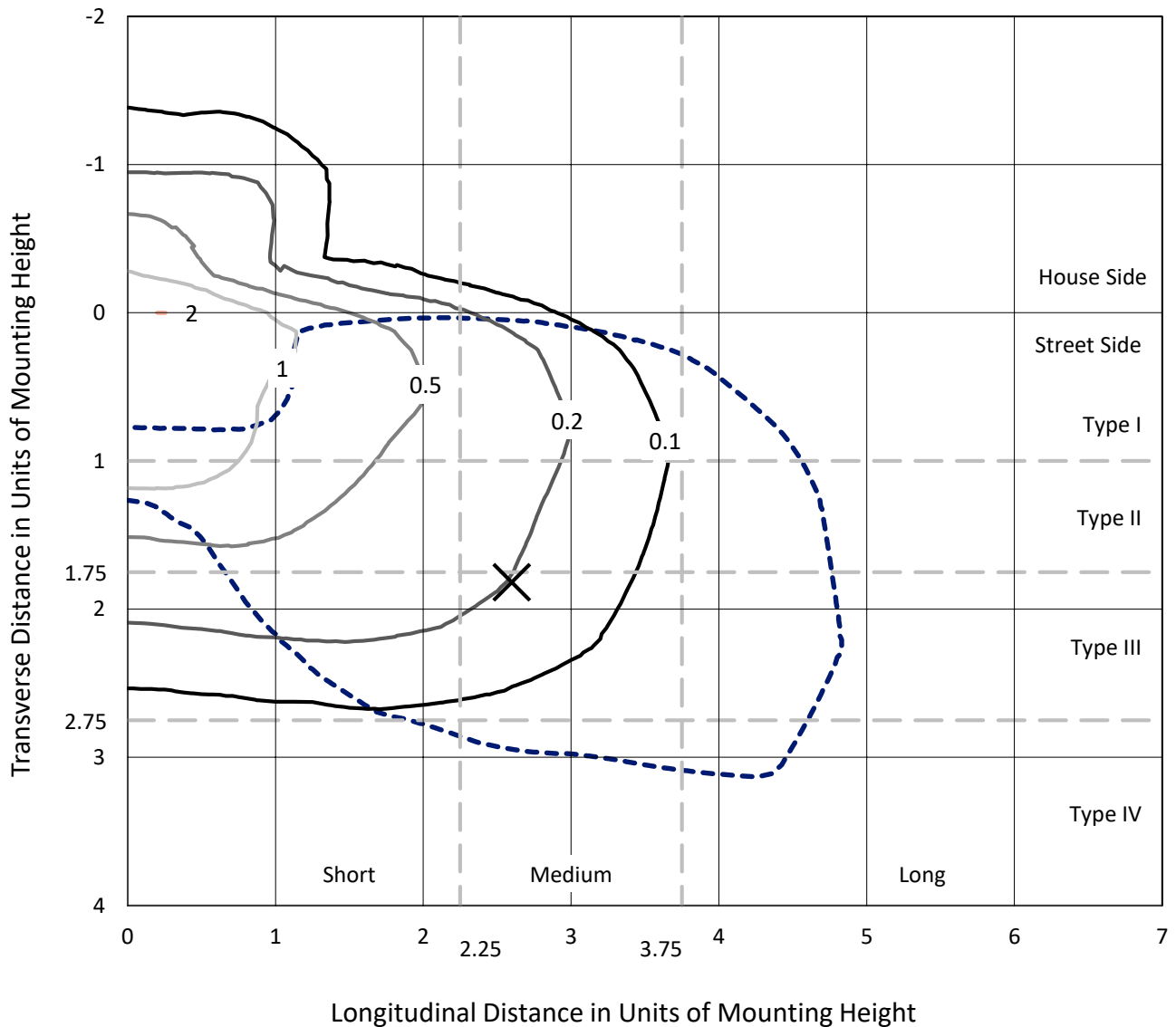




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Iso-Footcandle Lines of Horizontal Illumination

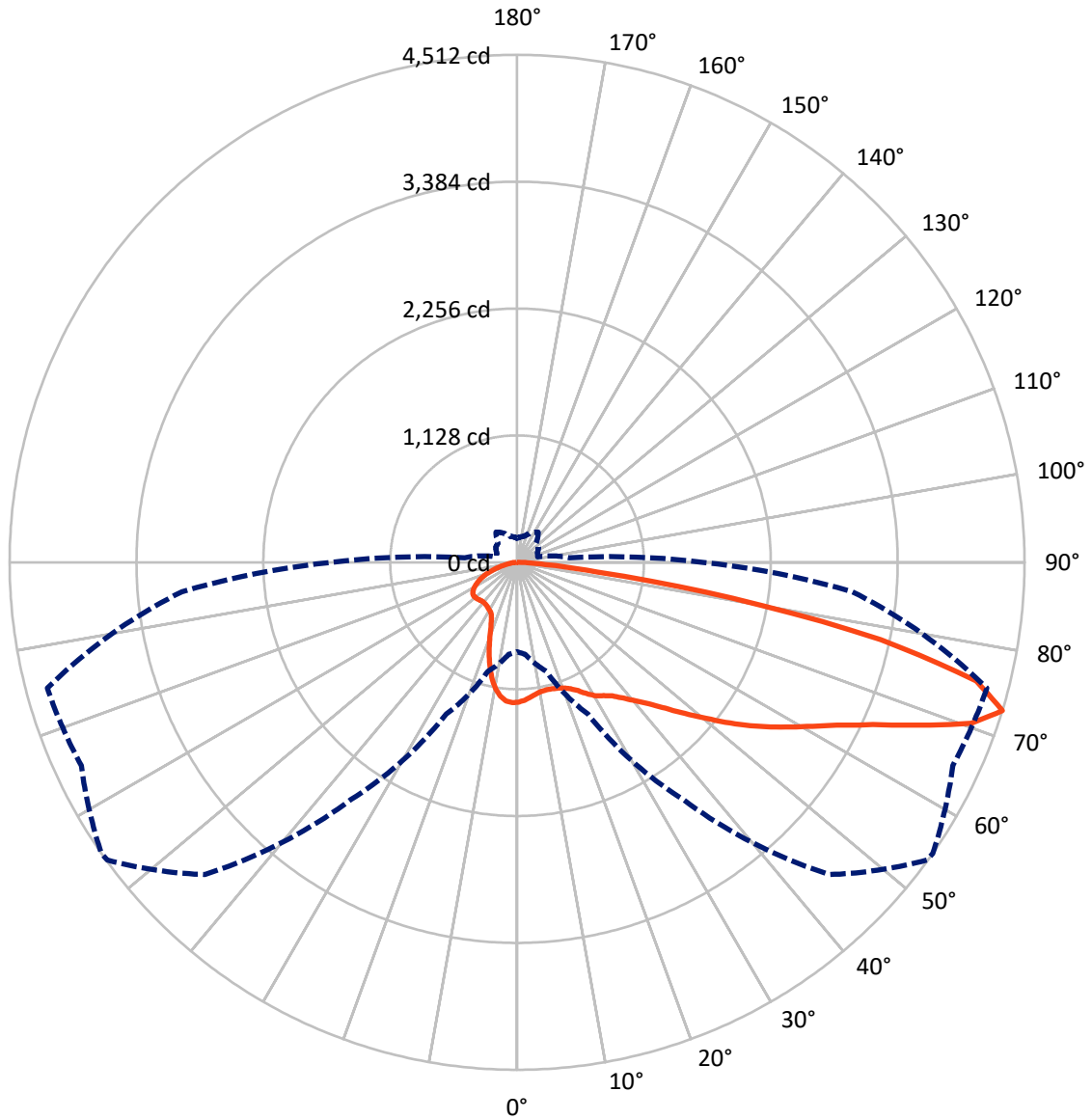
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1310.9	0.0	1310.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5741.9	0.0	5741.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	7052.8	0.0	7052.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	1.6
10°-20°	299.7	4.2
20°-30°	494.1	7.0
30°-40°	730.9	10.4
40°-50°	1020.2	14.5
50°-60°	1328.3	18.8
60°-70°	1632.5	23.1
70°-80°	1279.7	18.1
80°-90°	154.9	2.2
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°	7052.8	100.0
0°-180°	7052.8	100.0

Coefficient of Utilization

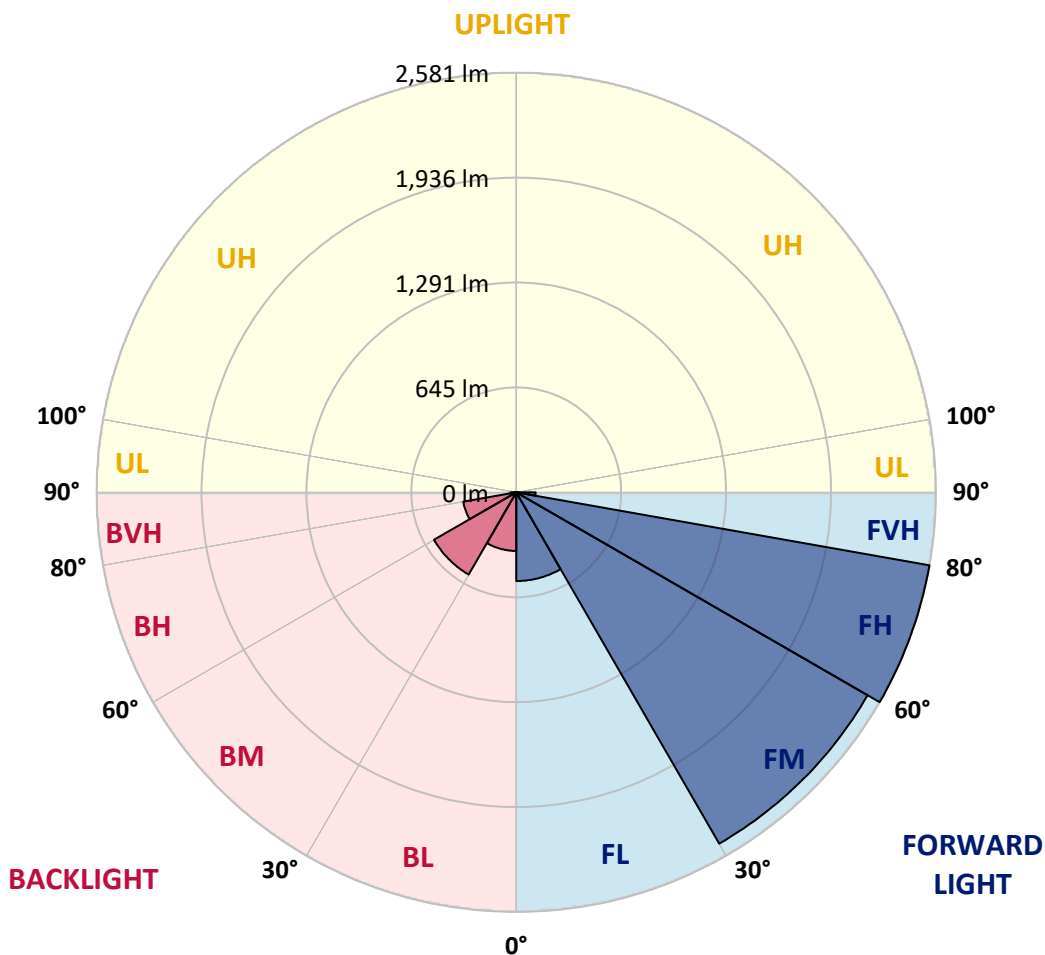


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.7	7.7			
FM (30°-60°)	2495.4	35.4			
FH (60°-80°)	2581.1	36.6			G2/5000
FVH (80°-90°)	119.7	1.7			G2/225
BL (0°-30°)	360.7	5.1	B1/500		
BM (30°-60°)	584.0	8.3	B1/1000		
BH (60°-80°)	331.1	4.7	B1/500		G1/500
BVH (80°-90°)	35.1	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0
2.5°	1203.5	1200.6	1204.2	1209.1	1214.6	1222.0	1226.3	1228.2	1235.6	1238.5	1244.6
5°	1147.8	1146.3	1152.2	1160.8	1173.0	1190.1	1203.9	1206.5	1226.1	1239.9	1252.6
7.5°	1107.2	1107.2	1114.1	1124.4	1138.0	1161.1	1180.6	1184.2	1217.3	1247.1	1270.4
10°	1075.1	1076.2	1084.3	1096.5	1112.5	1137.0	1162.9	1167.0	1214.9	1263.7	1300.9
12.5°	1053.6	1056.5	1063.8	1074.8	1094.6	1124.4	1157.3	1162.8	1219.9	1287.6	1337.6
15°	1067.2	1071.9	1072.7	1077.2	1088.1	1120.6	1160.6	1166.3	1230.6	1311.8	1379.2
17.5°	1126.7	1128.4	1121.0	1111.5	1106.3	1127.0	1170.6	1176.5	1243.5	1335.9	1419.3
20°	1217.3	1216.3	1200.4	1174.6	1147.9	1151.3	1187.0	1193.2	1260.8	1357.1	1459.3
22.5°	1331.6	1328.3	1303.7	1256.4	1210.8	1191.8	1215.9	1221.1	1287.0	1387.4	1502.2
25°	1470.3	1462.9	1430.5	1366.9	1300.0	1250.9	1259.2	1264.2	1325.2	1421.2	1541.5
27.5°	1616.5	1609.2	1567.9	1490.9	1401.9	1325.4	1319.0	1323.3	1368.5	1446.2	1570.6
30°	1769.5	1761.6	1723.9	1637.8	1510.0	1402.6	1374.8	1376.4	1399.0	1459.7	1594.3
32.5°	1923.1	1915.7	1873.5	1773.5	1627.5	1485.5	1415.0	1412.9	1417.3	1473.8	1621.3
35°	2078.9	2081.7	2032.5	1921.7	1757.6	1577.7	1462.6	1458.2	1448.1	1502.7	1659.4
37.5°	2245.7	2243.7	2179.9	2064.1	1893.6	1677.7	1531.0	1530.3	1495.8	1557.2	1719.2
40°	2357.1	2358.3	2319.5	2209.9	2031.1	1788.5	1618.7	1617.0	1571.7	1638.9	1797.6
42.5°	2400.7	2408.6	2418.6	2349.0	2174.9	1916.9	1723.3	1720.8	1677.7	1756.2	1889.7
45°	2403.9	2419.5	2481.5	2472.7	2320.7	2063.8	1856.9	1850.2	1819.2	1911.9	1999.8
47.5°	2377.1	2393.3	2496.3	2546.3	2451.0	2218.9	2013.2	2008.0	1981.2	2106.8	2118.9
50°	2318.8	2334.3	2465.7	2582.2	2558.2	2368.1	2193.2	2179.4	2165.1	2331.8	2255.2
52.5°	2209.4	2239.3	2425.0	2590.8	2622.2	2500.6	2382.6	2373.6	2381.4	2569.4	2391.7
55°	1950.5	1983.8	2319.9	2583.6	2669.6	2611.8	2572.0	2571.5	2612.2	2818.6	2538.2
57.5°	1805.4	1829.0	2106.0	2571.5	2725.9	2722.3	2759.4	2764.0	2843.4	3089.9	2691.6
60°	1723.5	1748.2	1997.7	2526.5	2813.1	2865.3	2950.8	2959.8	3078.2	3390.3	2876.2
62.5°	1648.9	1676.0	1930.4	2434.8	2915.7	3069.6	3179.9	3188.0	3326.9	3699.0	3054.6
65°	1521.5	1552.2	1832.1	2374.5	3009.1	3336.2	3471.2	3476.7	3612.5	4022.5	3191.1
67.5°	1341.4	1369.5	1646.5	2241.4	3078.2	3660.0	3858.6	3861.7	3895.7	4250.9	3260.9
70°	1131.1	1141.8	1382.1	1966.5	2996.5	3962.7	4283.1	4283.8	4154.0	4397.2	3249.5
72.5°	794.7	819.9	1003.4	1488.6	2575.1	3925.7	4503.5	4511.6	4274.0	4323.3	2989.8
75°	487.4	514.0	629.4	902.1	1633.7	3087.5	4160.9	4217.1	4048.9	3854.7	2442.4
77.5°	325.9	335.9	410.7	526.0	740.1	1776.4	3198.9	3304.8	3363.5	2811.1	1561.9
80°	181.7	200.8	272.3	326.8	329.2	705.8	1918.1	1942.8	1871.4	1119.3	481.9
82.5°	96.2	106.8	181.7	192.0	179.6	236.3	714.9	715.6	598.0	300.1	143.2
85°	74.5	83.4	124.5	117.2	91.8	104.8	235.9	248.7	203.4	123.0	46.7
87.5°	37.2	46.2	84.6	74.3	36.0	30.0	84.3	90.1	80.3	48.2	17.0
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°	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0	1244.0
2.5°	1247.1	1249.2	1251.8	1248.9	1248.0	1244.2	1237.7	1236.3	1233.0	1233.3	1235.1
5°	1258.0	1261.6	1260.2	1249.2	1236.1	1217.7	1198.7	1182.5	1171.8	1171.0	1170.3
7.5°	1279.0	1281.3	1270.2	1239.0	1202.3	1159.9	1119.8	1084.8	1063.6	1058.4	1057.2
10°	1311.8	1311.3	1280.6	1217.7	1144.6	1068.9	1004.6	956.0	927.6	919.3	917.1
12.5°	1348.5	1343.0	1284.2	1179.2	1063.2	958.1	876.6	822.6	793.0	783.5	781.1
15°	1386.4	1372.8	1275.4	1121.5	963.1	838.8	753.2	703.2	687.2	682.0	681.1
17.5°	1421.6	1395.5	1250.1	1043.3	849.0	719.9	653.2	633.2	637.0	643.9	644.2
20°	1456.2	1410.7	1209.6	944.8	728.7	622.0	599.4	614.1	632.2	646.3	648.2
22.5°	1490.3	1421.4	1157.4	830.8	621.1	566.9	582.9	609.8	630.6	645.8	648.5
25°	1518.9	1424.1	1085.5	709.4	546.3	546.3	575.0	600.6	621.1	636.1	638.7
27.5°	1529.3	1406.5	984.1	596.9	508.6	536.7	564.1	585.3	602.7	618.6	621.5
30°	1533.4	1373.8	866.9	506.7	493.1	526.4	549.3	567.4	583.9	598.9	601.5
32.5°	1534.1	1334.4	742.5	455.4	482.4	515.7	531.0	546.9	564.6	570.5	571.5
35°	1538.6	1288.1	611.5	429.3	472.4	505.7	517.8	529.3	500.7	502.8	504.8
37.5°	1551.7	1242.0	501.9	414.5	466.0	500.5	515.1	473.6	451.1	445.9	445.2
40°	1576.3	1192.9	420.7	402.6	463.5	503.1	496.7	442.1	403.5	374.7	370.4
42.5°	1610.4	1140.1	368.8	394.7	465.2	515.7	471.2	411.8	347.7	329.2	326.8
45°	1648.7	1084.6	340.7	389.2	471.0	525.5	466.0	371.6	321.8	307.8	306.6
47.5°	1685.8	1016.7	326.1	386.9	478.8	517.7	443.8	359.2	309.5	302.1	302.8
50°	1728.5	955.5	317.3	384.3	485.7	512.6	418.8	352.8	304.7	313.7	323.2
52.5°	1764.4	892.1	309.5	379.0	488.3	503.8	412.3	354.0	304.7	322.0	331.1
55°	1807.1	844.3	300.4	368.1	483.4	478.8	407.8	361.2	308.2	297.3	298.3
57.5°	1862.2	828.5	290.4	350.9	466.7	442.4	405.7	368.1	306.1	299.2	301.5
60°	1938.4	845.2	286.4	328.5	440.7	413.8	405.9	364.4	291.1	279.2	279.5
62.5°	2011.0	863.7	286.1	314.4	408.8	388.3	400.5	352.8	283.5	276.6	279.2
65°	2034.8	844.9	274.6	298.7	372.8	357.8	390.4	340.4	277.8	267.3	266.8
67.5°	2002.9	786.6	251.5	273.2	331.6	322.3	377.4	325.7	268.8	260.1	258.7
70°	1908.1	656.3	223.0	239.7	284.7	282.3	356.6	308.5	256.5	249.2	242.9
72.5°	1652.9	467.6	188.0	199.4	231.8	239.4	328.0	286.1	239.4	223.5	213.9
75°	1357.5	346.2	154.4	156.8	176.1	196.7	288.7	259.9	219.2	192.0	184.6
77.5°	831.4	211.7	123.0	123.9	126.2	157.0	237.7	230.6	193.4	160.0	154.8
80°	269.2	115.5	88.9	93.3	86.3	115.0	183.9	196.3	166.0	133.9	128.2
82.5°	102.5	67.4	60.0	63.2	59.8	77.2	134.1	157.2	136.0	110.0	89.6
85°	49.6	38.1	35.5	39.8	36.9	39.5	85.8	115.8	103.1	71.7	66.7
87.5°	17.6	17.0	13.6	18.4	15.7	14.1	26.2	58.4	68.1	49.3	44.1
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)