

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: P323135

Luminaire Tested: **GAN-SA1D-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-727-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5627 lumens
Efficiency: N/A
Efficacy: 84.0 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

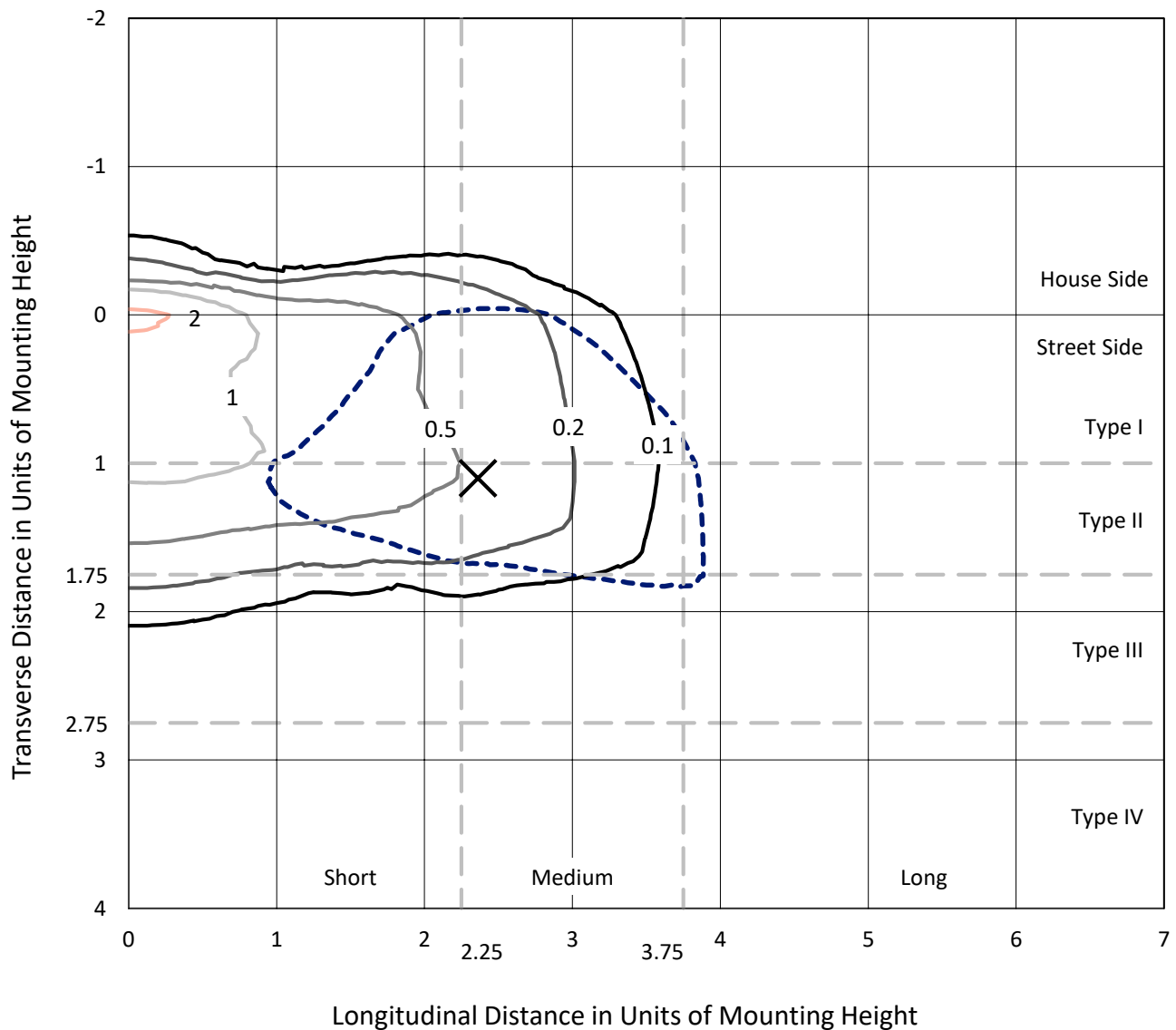
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323135
 CATALOG NUMBER: GAN-SA1D-727-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

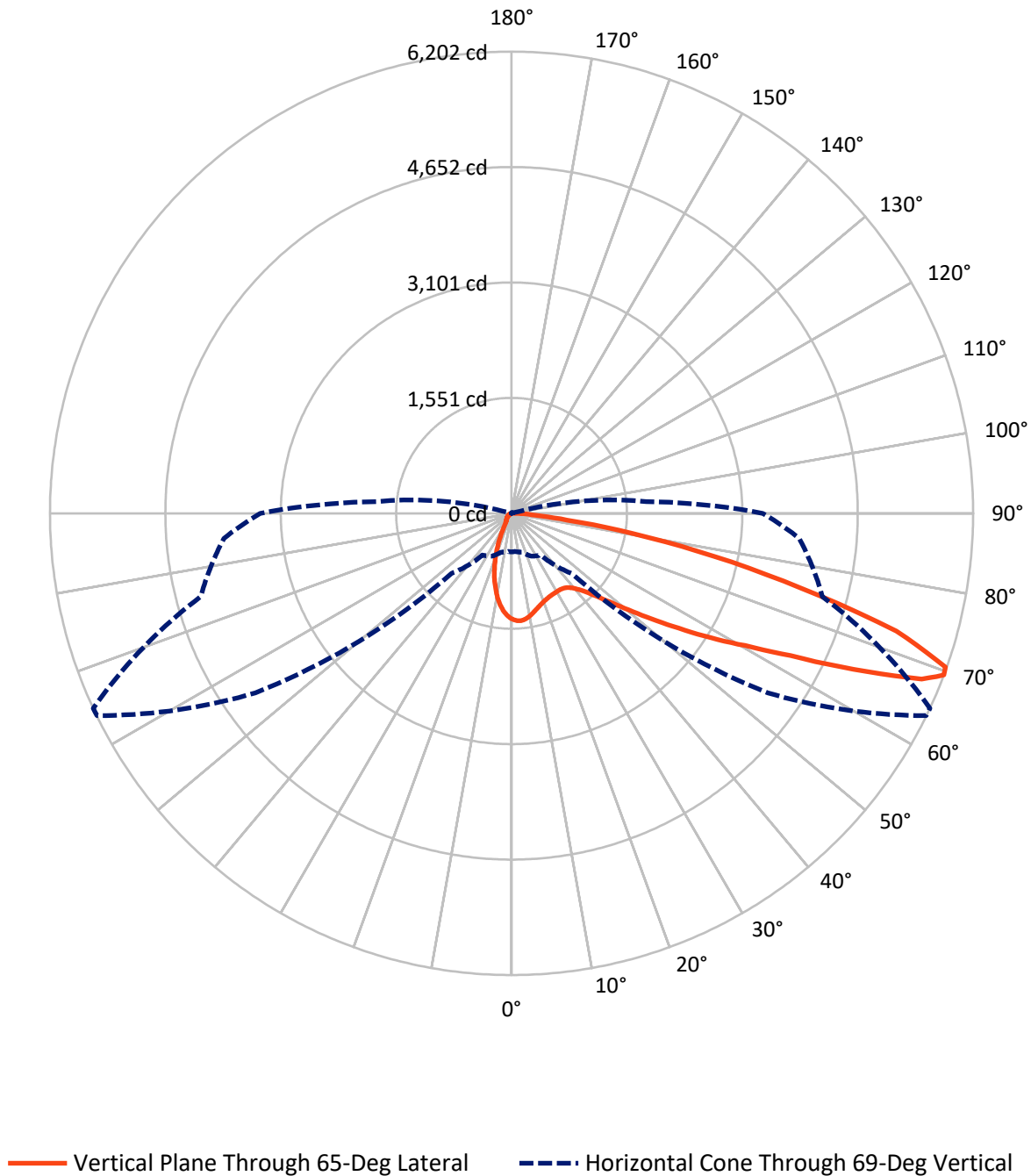
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P323135
CATALOG NUMBER: GAN-SA1D-727-U-SL2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323135

CATALOG NUMBER: GAN-SA1D-727-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	663.3	0.0	663.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4963.7	0.0	4963.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	5627.0	0.0	5627.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	2.1
10°-20°	260.3	4.6
20°-30°	360.5	6.4
30°-40°	502.7	8.9
40°-50°	781.3	13.9
50°-60°	1254.3	22.3
60°-70°	1418.8	25.2
70°-80°	833.3	14.8
80°-90°	96.9	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°	5627.0	100.0
0°-180°	5627.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323135

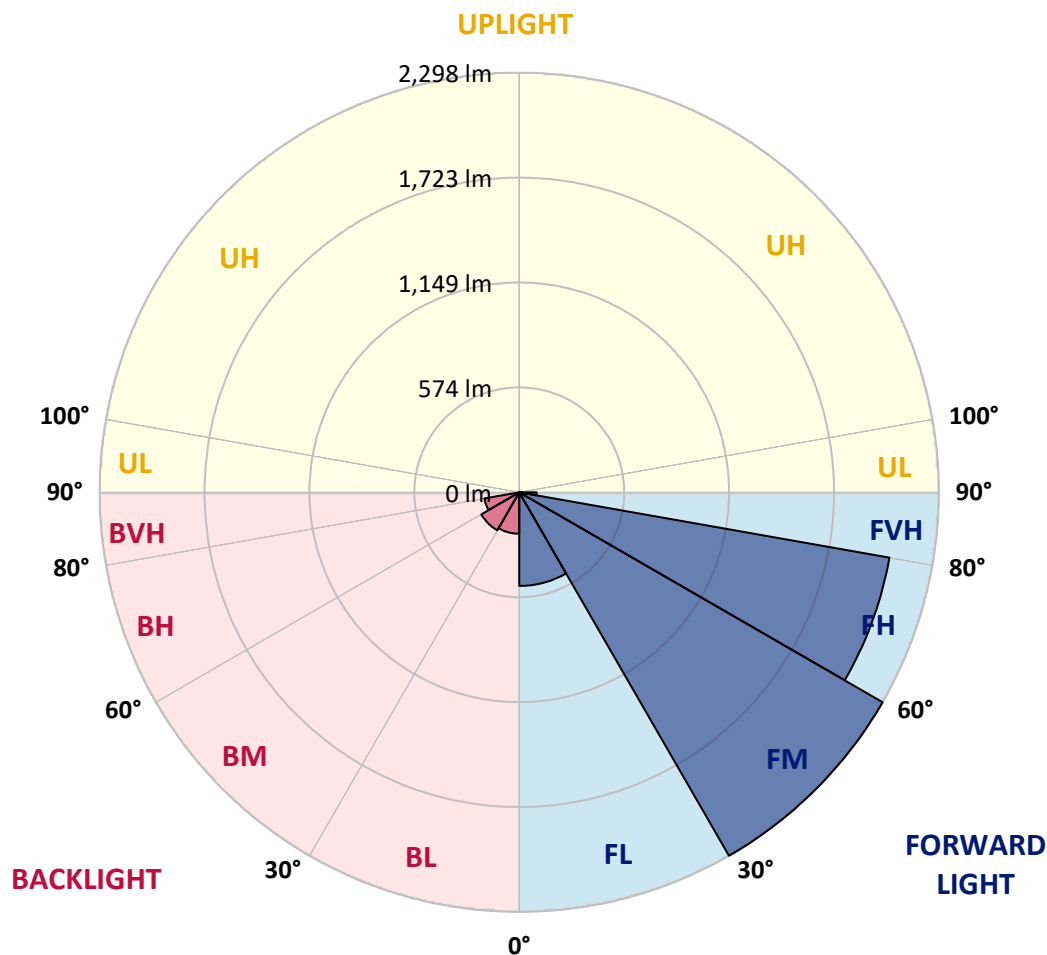
CATALOG NUMBER: GAN-SA1D-727-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	512.8	9.1			
FM	(30°-60°)	2297.9	40.8			
FH	(60°-80°)	2058.3	36.6			G2/5000
FVH	(80°-90°)	94.8	1.7			G1/100
BL	(0°-30°)	226.9	4.0	B1/500		
BM	(30°-60°)	240.4	4.3	B1/1000		
BH	(60°-80°)	193.8	3.4	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G2

Type III Medium



REPORT NUMBER: P323135

CATALOG NUMBER: GAN-SA1D-727-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0
2.5°	1434.6	1431.0	1433.9	1440.0	1443.1	1443.1	1445.5	1442.7	1443.6	1436.7	1426.7
5°	1344.8	1339.3	1347.2	1364.6	1386.0	1404.3	1431.5	1445.8	1447.2	1447.4	1435.8
7.5°	1248.1	1243.1	1254.8	1275.3	1302.9	1336.9	1384.3	1425.8	1428.1	1450.5	1442.0
10°	1169.6	1166.0	1179.6	1201.5	1233.9	1271.9	1330.0	1387.7	1394.6	1444.1	1441.0
12.5°	1107.2	1104.3	1117.2	1142.4	1175.5	1217.7	1278.4	1345.3	1354.6	1429.6	1436.2
15°	1061.7	1061.2	1071.9	1096.2	1132.9	1172.2	1234.3	1306.0	1316.7	1413.9	1435.5
17.5°	1037.9	1038.6	1046.5	1067.2	1098.6	1137.7	1197.2	1272.9	1284.6	1399.8	1439.1
20°	1035.5	1036.2	1040.5	1052.2	1077.7	1112.2	1166.9	1245.0	1257.2	1389.3	1444.8
22.5°	1056.5	1056.0	1057.2	1056.0	1070.3	1096.5	1146.9	1223.6	1237.7	1382.4	1449.3
25°	1096.7	1096.0	1095.5	1086.7	1077.2	1091.2	1138.6	1211.5	1224.8	1377.4	1452.0
27.5°	1152.7	1152.2	1151.5	1136.9	1108.4	1099.6	1139.6	1206.9	1218.1	1373.4	1451.5
30°	1226.2	1229.6	1228.6	1208.4	1163.8	1125.0	1149.6	1204.6	1214.3	1365.5	1446.5
32.5°	1312.7	1319.3	1324.6	1302.9	1247.2	1175.5	1172.7	1207.2	1214.3	1359.6	1437.4
35°	1402.4	1411.0	1430.3	1422.7	1349.3	1251.5	1212.4	1222.9	1228.9	1362.9	1433.1
37.5°	1490.8	1501.0	1542.9	1565.1	1483.1	1352.0	1274.3	1261.7	1264.8	1383.1	1437.9
40°	1593.4	1608.9	1672.4	1708.2	1642.9	1486.5	1367.0	1328.4	1329.6	1427.7	1460.0
42.5°	1728.2	1744.1	1812.9	1868.9	1822.9	1656.5	1492.7	1430.3	1429.1	1511.0	1512.2
45°	1892.4	1909.1	1980.3	2042.4	2021.7	1857.9	1653.6	1579.1	1577.7	1642.4	1611.0
47.5°	2078.6	2095.1	2158.6	2222.7	2245.1	2093.2	1858.6	1782.2	1778.9	1825.1	1763.6
50°	2238.4	2249.1	2307.7	2393.9	2494.8	2382.2	2113.6	2040.1	2036.5	2067.7	1987.7
52.5°	2296.5	2302.7	2362.2	2482.9	2734.9	2773.7	2448.7	2353.9	2351.3	2364.8	2286.0
55°	2178.9	2190.1	2263.2	2442.2	2864.9	3216.1	2871.5	2742.5	2722.7	2693.4	2597.9
57.5°	1858.4	1876.3	1954.8	2192.9	2804.1	3567.0	3493.0	3182.0	3153.0	2973.9	2851.5
60°	1392.4	1414.3	1479.6	1736.5	2480.1	3692.0	4172.0	3671.8	3606.3	3197.3	3084.6
62.5°	955.5	966.5	1010.7	1178.1	1826.5	3487.3	4740.2	4327.8	4208.2	3440.1	3336.8
65°	729.8	733.6	751.7	809.3	1087.7	2832.7	4966.1	5193.3	5048.7	3730.6	3598.5
67.5°	588.1	585.0	610.0	692.4	728.4	1728.2	4702.5	6012.1	5944.5	4118.9	3861.8
69°	518.6	514.3	539.8	635.5	684.1	1142.4	4204.0	6198.1	6202.4	4324.0	3879.9
70°	466.7	469.5	494.8	601.7	669.1	896.7	3727.7	6150.7	6184.5	4400.6	3771.3
72.5°	311.7	319.3	370.0	499.5	643.4	678.6	2250.8	5278.0	5408.0	4228.0	3235.6
75°	175.7	181.4	241.7	376.7	606.2	646.2	1188.8	3888.5	4014.2	3535.6	2495.1
77.5°	86.2	89.3	136.7	243.1	506.9	615.7	674.3	2641.3	2784.9	2307.7	1411.2
80°	36.4	38.1	68.3	150.0	362.4	587.6	500.7	1625.5	1643.4	904.1	376.0
82.5°	14.0	14.5	28.8	93.6	230.2	458.1	418.8	770.7	752.2	170.2	85.7
85°	1.7	1.9	10.5	56.2	128.1	235.7	340.2	332.2	307.4	33.8	44.0
87.5°	0.0	0.0	0.7	17.1	38.1	110.5	176.9	137.9	124.3	11.0	22.9
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: P323135

CATALOG NUMBER: GAN-SA1D-727-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0
2.5°	1418.4	1416.0	1403.1	1384.6	1367.0	1345.0	1324.1	1311.5	1301.5	1294.8	1302.7
5°	1422.2	1411.7	1372.7	1322.7	1273.6	1218.4	1166.9	1123.4	1106.2	1087.2	1095.8
7.5°	1421.0	1401.2	1331.0	1241.9	1151.9	1058.8	970.7	902.9	867.6	833.1	841.9
10°	1415.0	1381.7	1275.3	1143.4	1008.6	874.8	749.8	654.8	601.7	553.6	560.5
12.5°	1402.0	1355.5	1209.6	1030.5	850.3	673.8	527.4	405.7	340.5	311.7	315.2
15°	1394.1	1330.0	1140.0	916.2	681.2	469.3	322.4	239.8	210.0	200.5	201.7
17.5°	1390.3	1305.5	1068.1	785.5	508.4	298.8	208.3	183.8	177.4	175.7	176.2
20°	1386.5	1280.8	994.1	656.2	350.2	201.0	171.2	164.1	161.7	159.5	160.0
22.5°	1380.0	1256.9	914.6	525.3	236.2	163.1	154.3	147.4	142.4	139.8	140.2
25°	1372.2	1231.9	833.4	391.2	172.4	145.5	137.1	127.4	121.4	116.7	116.9
27.5°	1359.6	1201.2	749.5	284.8	144.8	130.2	119.1	108.3	98.3	92.9	92.9
30°	1342.0	1166.5	656.5	203.8	129.8	115.2	101.7	88.3	77.6	72.6	72.1
32.5°	1322.4	1130.3	562.4	154.5	117.9	101.2	85.7	71.7	62.1	58.1	57.9
35°	1305.8	1091.2	468.6	129.5	106.0	87.6	70.7	58.8	51.2	47.9	47.6
37.5°	1295.0	1052.2	377.2	115.7	95.2	75.0	59.3	48.6	43.1	40.5	40.2
40°	1293.4	1023.1	293.6	105.2	85.2	63.8	49.5	41.2	36.2	33.3	33.1
42.5°	1315.0	1006.5	225.2	96.4	75.0	54.0	42.1	35.2	30.0	27.1	26.9
45°	1372.0	1011.7	173.3	88.6	64.8	45.7	35.7	29.3	24.5	22.4	21.9
47.5°	1475.8	1047.9	137.9	80.7	55.0	38.8	30.5	24.3	20.2	18.1	17.9
50°	1660.5	1132.9	115.2	72.1	46.0	33.1	25.2	19.8	16.4	14.5	14.3
52.5°	1905.8	1284.3	102.9	63.8	38.1	28.1	20.7	15.7	12.9	11.4	11.2
55°	2176.3	1467.7	94.8	54.8	31.2	23.3	16.4	12.4	10.0	8.8	8.3
57.5°	2440.3	1626.5	87.1	46.0	26.0	19.0	13.1	9.8	7.9	6.7	6.4
60°	2682.9	1772.4	78.3	36.9	21.2	15.0	10.2	7.6	6.2	5.0	5.0
62.5°	2942.7	1885.3	66.2	28.8	17.4	11.4	8.3	6.9	5.0	4.3	4.0
65°	3218.0	1969.1	51.9	22.4	13.6	8.6	6.9	7.1	4.0	3.1	2.9
67.5°	3421.3	1952.4	38.3	17.6	10.5	6.7	6.7	7.6	3.6	2.4	2.1
69°	3376.5	1817.0	32.1	15.2	9.0	5.7	6.2	7.6	3.3	2.1	1.9
70°	3246.8	1667.0	28.3	13.6	8.1	5.2	6.0	7.4	3.1	2.1	1.9
72.5°	2703.9	1255.5	22.1	10.2	6.4	4.3	5.0	6.4	3.1	2.1	1.7
75°	2033.9	803.6	16.9	7.4	4.8	3.3	3.8	4.8	3.1	1.9	1.7
77.5°	1106.7	289.8	12.1	5.0	3.3	2.6	2.6	3.6	2.9	1.4	1.0
80°	284.5	72.9	7.6	3.3	2.6	1.9	1.7	2.4	1.7	0.2	0.0
82.5°	70.2	16.4	4.0	2.4	1.9	0.7	0.7	1.2	0.7	0.0	0.0
85°	38.6	8.1	2.6	1.7	1.0	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	19.8	2.4	0.7	0.5	0.2	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)