

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: P323125

Luminaire Tested: **GAN-SA1C-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323125
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-SA1C-727-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 5129 lumens
Efficiency: N/A
Efficacy: 86.9 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

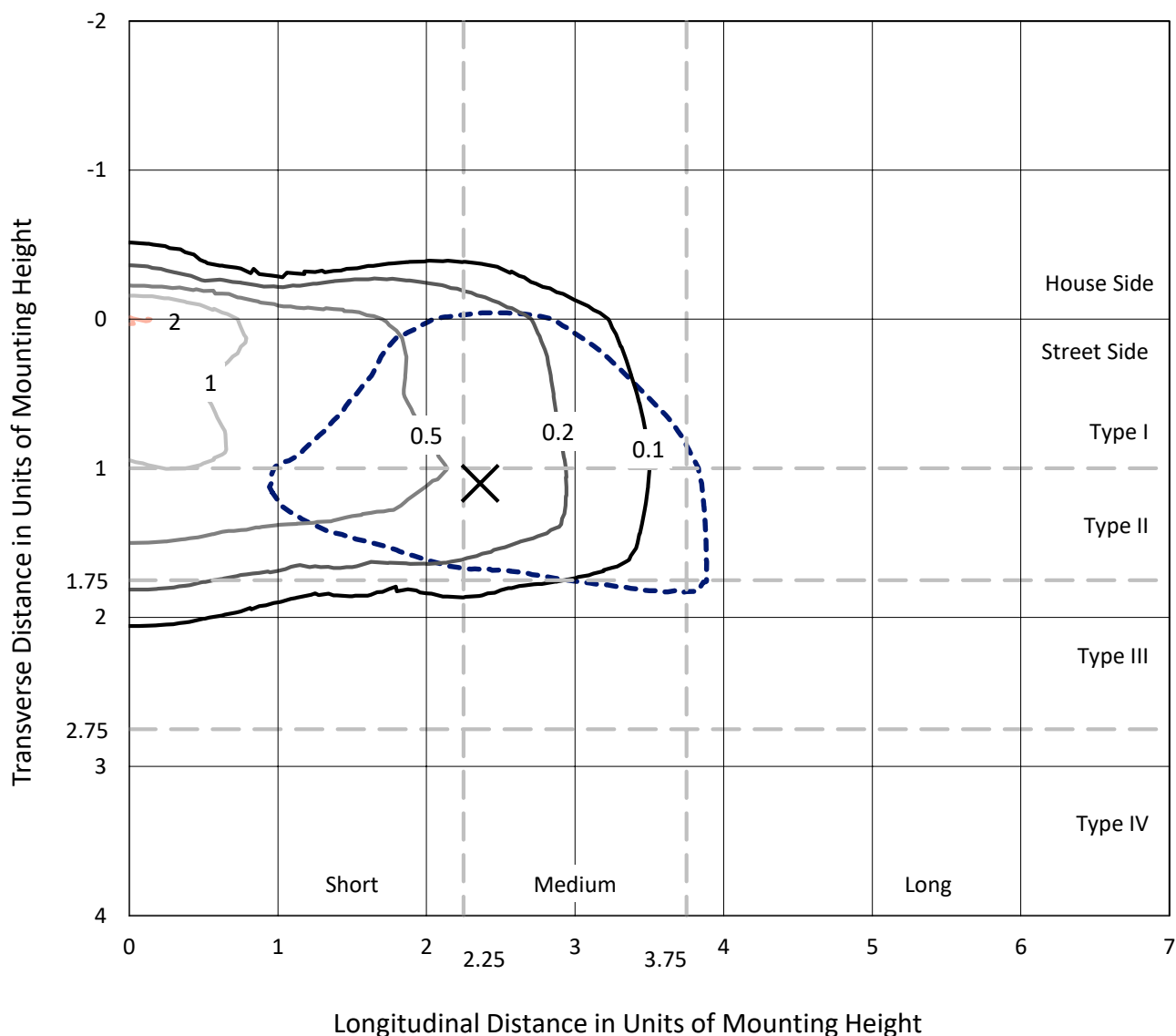
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

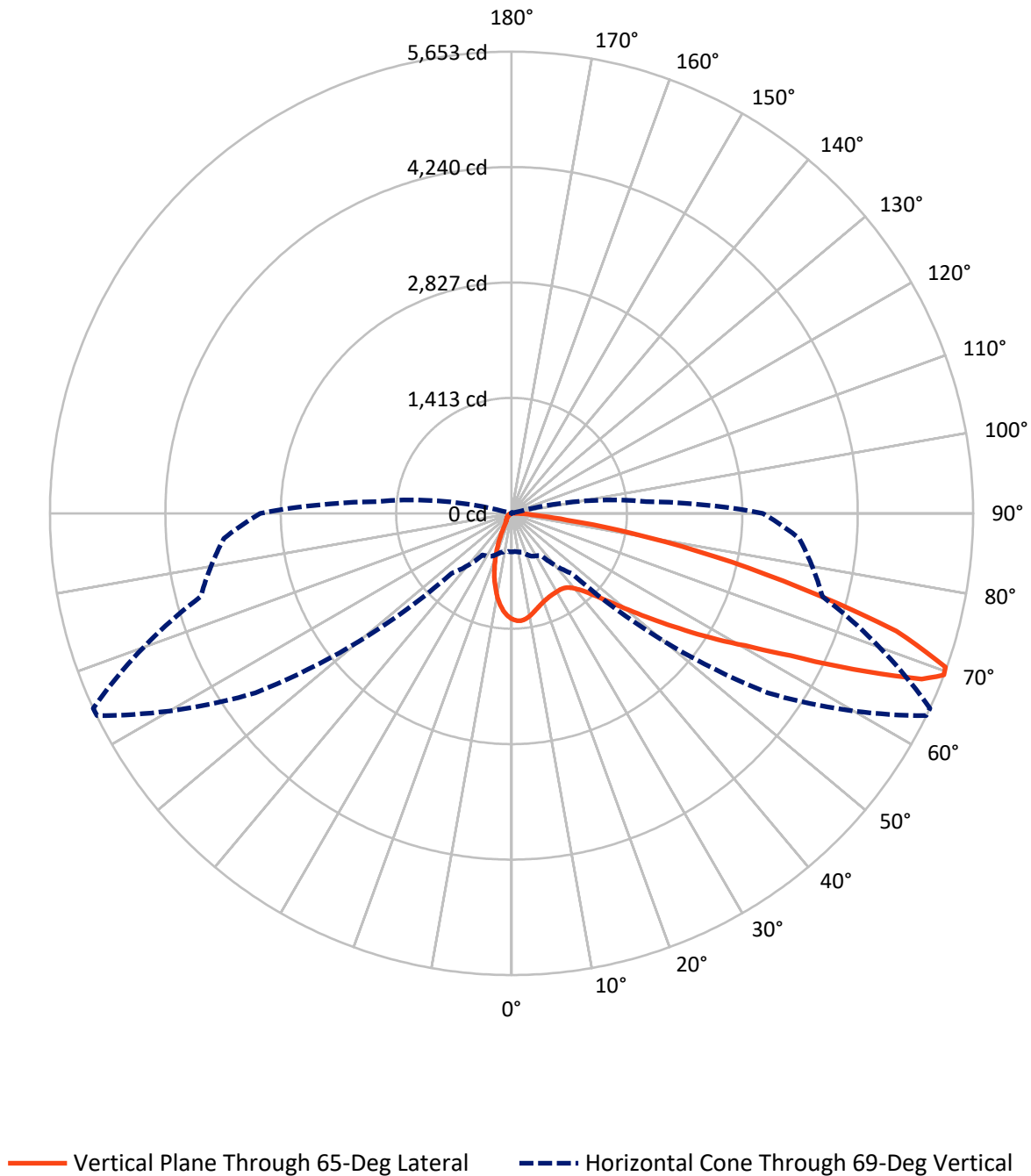
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	604.6	0.0	604.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4524.4	0.0	4524.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	5129.0	0.0	5129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	2.1
10°-20°	237.3	4.6
20°-30°	328.6	6.4
30°-40°	458.2	8.9
40°-50°	712.2	13.9
50°-60°	1143.3	22.3
60°-70°	1293.2	25.2
70°-80°	759.5	14.8
80°-90°	88.4	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°	5129.0	100.0
0°-180°	5129.0	100.0

Coefficient of Utilization



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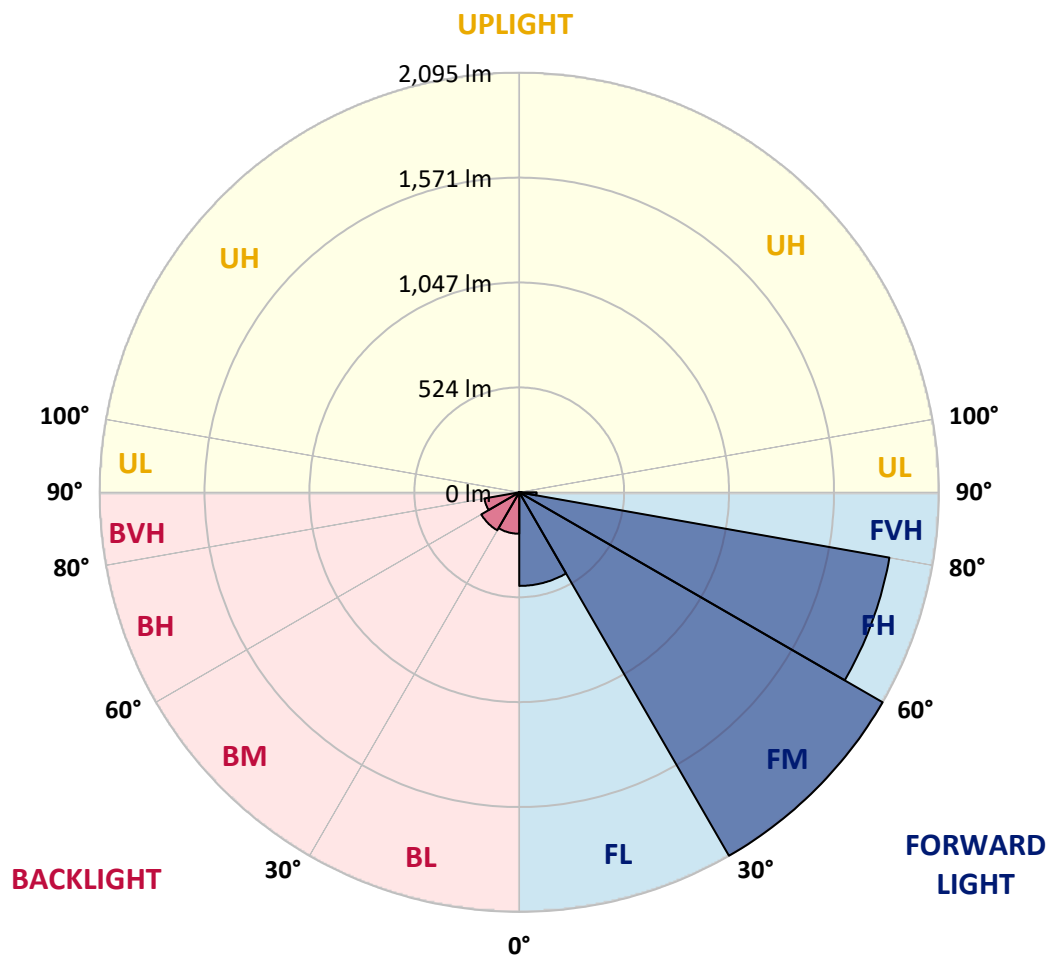
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	467.4	9.1			
FM	(30°-60°)	2094.5	40.8			
FH	(60°-80°)	1876.1	36.6			G2/5000
FVH	(80°-90°)	86.4	1.7			G1/100
BL	(0°-30°)	206.9	4.0	B1/500		
BM	(30°-60°)	219.1	4.3	B0/220		
BH	(60°-80°)	176.6	3.4	B1/500		G1/500
BVH	(80°-90°)	2.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1307.6	1304.4	1307.0	1312.6	1315.4	1315.4	1317.6	1315.0	1315.9	1309.6	1300.4
5°	1225.8	1220.8	1228.0	1243.8	1263.3	1280.0	1304.8	1317.8	1319.1	1319.3	1308.7
7.5°	1137.7	1133.1	1143.8	1162.4	1187.6	1218.6	1261.8	1299.6	1301.8	1322.2	1314.3
10°	1066.1	1062.8	1075.2	1095.1	1124.7	1159.4	1212.3	1264.9	1271.1	1316.3	1313.5
12.5°	1009.2	1006.6	1018.3	1041.3	1071.5	1109.9	1165.2	1226.2	1234.7	1303.1	1309.1
15°	967.7	967.3	977.1	999.2	1032.6	1068.4	1125.1	1190.4	1200.2	1288.7	1308.5
17.5°	946.0	946.7	953.8	972.7	1001.4	1037.0	1091.2	1160.2	1170.9	1275.9	1311.7
20°	943.9	944.5	948.4	959.1	982.3	1013.8	1063.7	1134.9	1145.9	1266.4	1316.9
22.5°	963.0	962.5	963.6	962.5	975.6	999.4	1045.4	1115.3	1128.1	1260.1	1321.1
25°	999.6	999.0	998.6	990.5	981.8	994.7	1037.8	1104.3	1116.4	1255.5	1323.5
27.5°	1050.6	1050.2	1049.6	1036.3	1010.3	1002.2	1038.7	1100.1	1110.3	1251.8	1323.0
30°	1117.7	1120.7	1119.9	1101.4	1060.8	1025.5	1047.8	1098.0	1106.9	1244.7	1318.5
32.5°	1196.5	1202.6	1207.3	1187.6	1136.8	1071.5	1068.9	1100.3	1106.9	1239.2	1310.2
35°	1278.3	1286.1	1303.7	1296.8	1229.9	1140.7	1105.1	1114.7	1120.1	1242.3	1306.3
37.5°	1358.8	1368.2	1406.4	1426.5	1351.9	1232.3	1161.5	1150.0	1152.9	1260.7	1310.6
40°	1452.4	1466.5	1524.4	1557.0	1497.5	1354.9	1246.0	1210.8	1211.9	1301.3	1330.8
42.5°	1575.2	1589.7	1652.5	1703.5	1661.6	1509.9	1360.6	1303.7	1302.6	1377.3	1378.4
45°	1725.0	1740.2	1805.0	1861.7	1842.8	1693.5	1507.3	1439.3	1438.0	1497.1	1468.4
47.5°	1894.7	1909.7	1967.6	2026.0	2046.4	1907.9	1694.1	1624.5	1621.4	1663.5	1607.5
50°	2040.3	2050.1	2103.5	2182.0	2274.0	2171.4	1926.6	1859.5	1856.3	1884.7	1811.8
52.5°	2093.3	2098.9	2153.2	2263.2	2492.8	2528.2	2231.9	2145.6	2143.2	2155.5	2083.7
55°	1986.0	1996.2	2062.9	2226.1	2611.3	2931.4	2617.4	2499.8	2481.7	2455.1	2368.0
57.5°	1693.9	1710.2	1781.8	1998.9	2556.0	3251.3	3183.8	2900.4	2873.9	2710.7	2599.2
60°	1269.2	1289.2	1348.6	1582.8	2260.6	3365.3	3802.8	3346.8	3287.1	2914.3	2811.6
62.5°	870.9	880.9	921.3	1073.9	1664.8	3178.6	4320.6	3944.7	3835.8	3135.7	3041.5
65°	665.2	668.7	685.2	737.7	991.4	2582.0	4526.6	4733.7	4601.9	3400.4	3280.0
67.5°	536.1	533.2	556.0	631.1	663.9	1575.2	4286.4	5480.0	5418.4	3754.4	3520.0
69°	472.7	468.8	492.0	579.3	623.5	1041.3	3831.9	5649.5	5653.4	3941.3	3536.5
70°	425.4	428.0	451.0	548.4	609.9	817.3	3397.8	5606.3	5637.2	4011.2	3437.5
72.5°	284.1	291.0	337.3	455.3	586.4	618.5	2051.6	4810.9	4929.4	3853.8	2949.2
75°	160.2	165.4	220.3	343.3	552.6	589.0	1083.6	3544.3	3658.9	3222.7	2274.3
77.5°	78.6	81.4	124.6	221.6	462.1	561.2	614.6	2407.5	2538.4	2103.5	1286.3
80°	33.2	34.7	62.3	136.7	330.3	535.6	456.4	1481.7	1497.9	824.1	342.7
82.5°	12.8	13.2	26.3	85.3	209.9	417.6	381.8	702.5	685.6	155.2	78.1
85°	1.5	1.7	9.5	51.2	116.8	214.9	310.1	302.8	280.2	30.8	40.2
87.5°	0.0	0.0	0.7	15.6	34.7	100.7	161.3	125.7	113.3	10.0	20.8
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°	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1	1296.1
2.5°	1292.9	1290.7	1279.0	1262.0	1246.0	1226.0	1206.9	1195.4	1186.3	1180.2	1187.4
5°	1296.3	1286.8	1251.2	1205.6	1160.9	1110.5	1063.7	1024.0	1008.3	991.0	998.8
7.5°	1295.2	1277.2	1213.2	1132.0	1050.0	965.1	884.8	823.0	790.9	759.4	767.4
10°	1289.8	1259.4	1162.4	1042.2	919.3	797.4	683.4	596.8	548.4	504.6	510.9
12.5°	1277.9	1235.6	1102.5	939.3	775.0	614.2	480.7	369.8	310.4	284.1	287.3
15°	1270.7	1212.3	1039.1	835.1	620.9	427.8	293.9	218.5	191.4	182.7	183.8
17.5°	1267.2	1190.0	973.6	716.0	463.4	272.4	189.9	167.5	161.7	160.2	160.6
20°	1263.8	1167.4	906.1	598.1	319.3	183.2	156.0	149.5	147.4	145.4	145.8
22.5°	1257.9	1145.7	833.6	478.8	215.3	148.7	140.6	134.3	129.8	127.4	127.8
25°	1250.7	1122.9	759.6	356.6	157.1	132.6	125.0	116.1	110.7	106.3	106.6
27.5°	1239.2	1094.9	683.2	259.6	132.0	118.7	108.5	98.7	89.6	84.6	84.6
30°	1223.2	1063.2	598.4	185.8	118.3	105.0	92.7	80.5	70.8	66.2	65.8
32.5°	1205.4	1030.2	512.6	140.9	107.4	92.2	78.1	65.3	56.6	53.0	52.7
35°	1190.2	994.7	427.1	118.1	96.6	79.9	64.5	53.6	46.7	43.6	43.4
37.5°	1180.4	959.1	343.8	105.5	86.8	68.4	54.0	44.3	39.3	36.9	36.7
40°	1178.9	932.6	267.6	95.9	77.7	58.2	45.1	37.5	33.0	30.4	30.2
42.5°	1198.7	917.4	205.3	87.9	68.4	49.3	38.4	32.1	27.3	24.7	24.5
45°	1250.5	922.2	158.0	80.7	59.0	41.7	32.6	26.7	22.4	20.4	20.0
47.5°	1345.2	955.2	125.7	73.6	50.1	35.4	27.8	22.1	18.4	16.5	16.3
50°	1513.6	1032.6	105.0	65.8	41.9	30.2	23.0	18.0	15.0	13.2	13.0
52.5°	1737.1	1170.7	93.8	58.2	34.7	25.6	18.9	14.3	11.7	10.4	10.2
55°	1983.7	1337.8	86.4	49.9	28.4	21.3	15.0	11.3	9.1	8.0	7.6
57.5°	2224.3	1482.5	79.4	41.9	23.7	17.4	11.9	8.9	7.2	6.1	5.9
60°	2445.5	1615.6	71.4	33.6	19.3	13.7	9.3	6.9	5.6	4.6	4.6
62.5°	2682.3	1718.4	60.3	26.3	15.8	10.4	7.6	6.3	4.6	3.9	3.7
65°	2933.2	1794.8	47.3	20.4	12.4	7.8	6.3	6.5	3.7	2.8	2.6
67.5°	3118.5	1779.7	34.9	16.1	9.5	6.1	6.1	6.9	3.3	2.2	2.0
69°	3077.7	1656.2	29.3	13.9	8.2	5.2	5.6	6.9	3.0	2.0	1.7
70°	2959.4	1519.4	25.8	12.4	7.4	4.8	5.4	6.7	2.8	2.0	1.7
72.5°	2464.6	1144.4	20.2	9.3	5.9	3.9	4.6	5.9	2.8	2.0	1.5
75°	1853.9	732.5	15.4	6.7	4.3	3.0	3.5	4.3	2.8	1.7	1.5
77.5°	1008.8	264.1	11.1	4.6	3.0	2.4	2.4	3.3	2.6	1.3	0.9
80°	259.4	66.4	6.9	3.0	2.4	1.7	1.5	2.2	1.5	0.2	0.0
82.5°	64.0	15.0	3.7	2.2	1.7	0.7	0.7	1.1	0.7	0.0	0.0
85°	35.2	7.4	2.4	1.5	0.9	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	18.0	2.2	0.7	0.4	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)