

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: P323215

Luminaire Tested: **GAN-SA1D-740-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323215  
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-740-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 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: 6729 lumens  
Efficiency: N/A  
Efficacy: 100.4 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

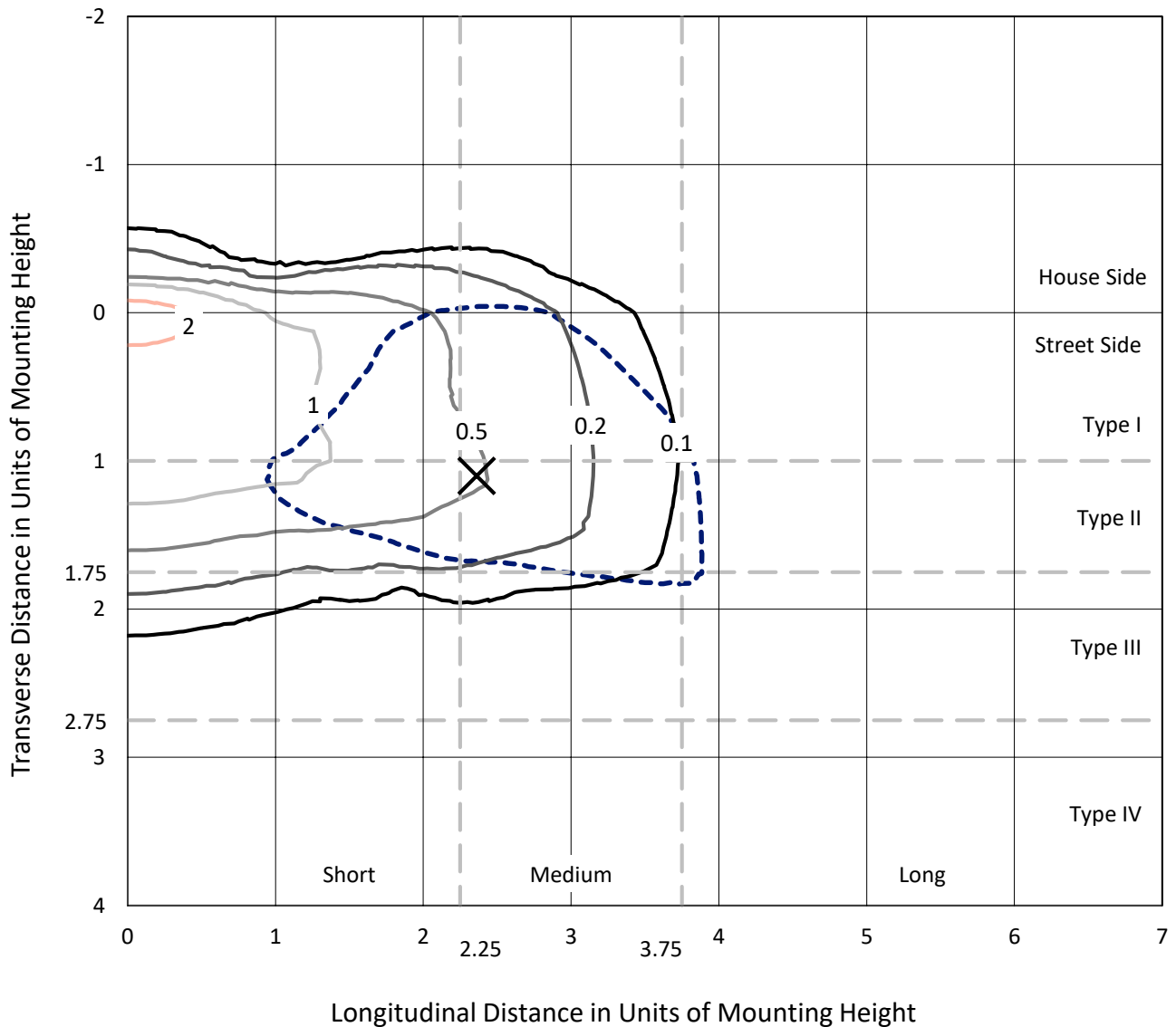
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323215  
 CATALOG NUMBER: GAN-SA1D-740-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

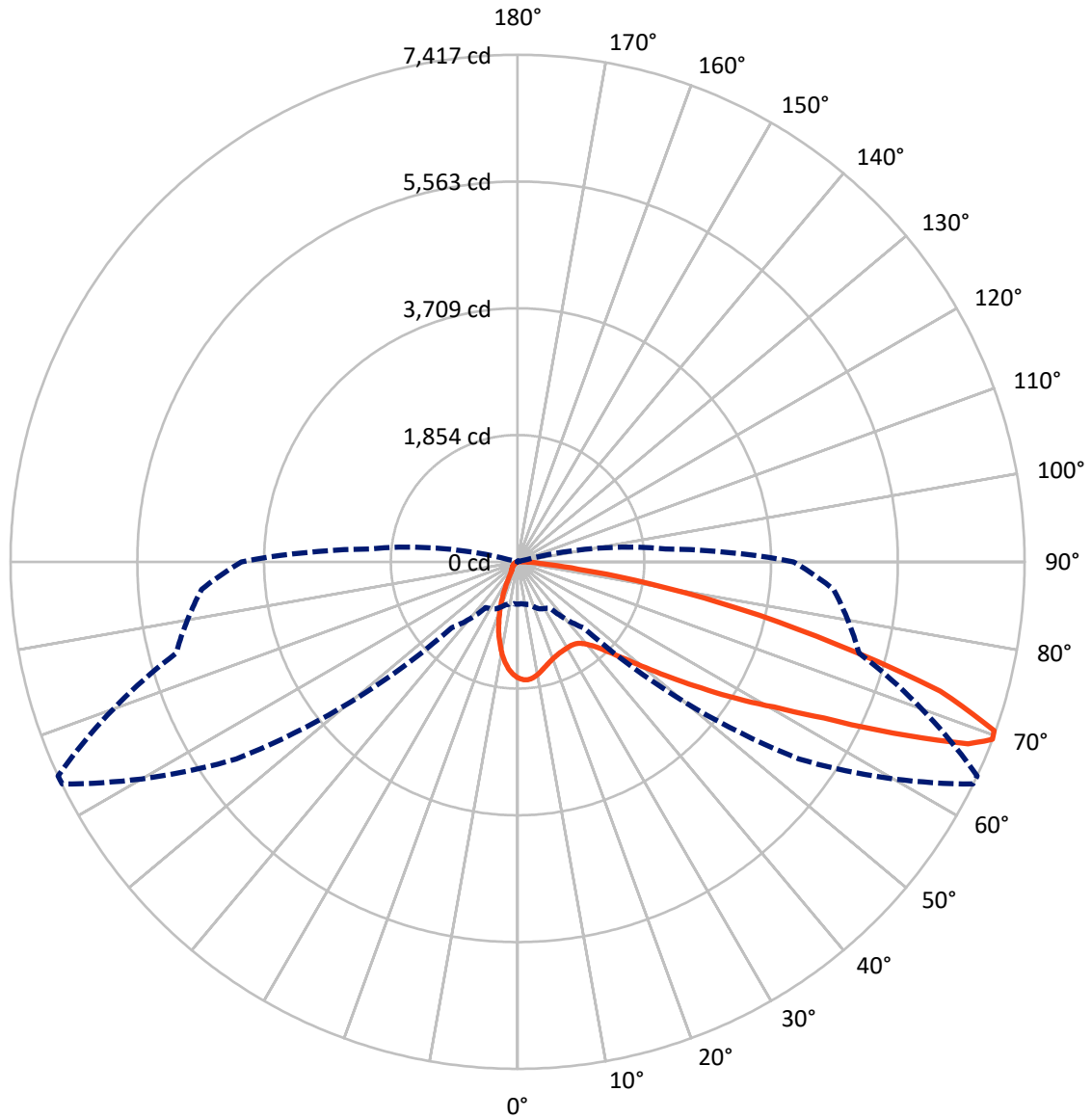
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P323215  
CATALOG NUMBER: GAN-SA1D-740-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P323215  
 CATALOG NUMBER: GAN-SA1D-740-U-SL2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	793.2	0.0	793.2
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	5935.8	0.0	5935.8
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	6729.0	0.0	6729.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.2	2.1
10°-20°	311.3	4.6
20°-30°	431.1	6.4
30°-40°	601.1	8.9
40°-50°	934.3	13.9
50°-60°	1499.9	22.3
60°-70°	1696.7	25.2
70°-80°	996.5	14.8
80°-90°	115.9	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°	6729.0	100.0
0°-180°	6729.0	100.0

**Coefficient of Utilization**

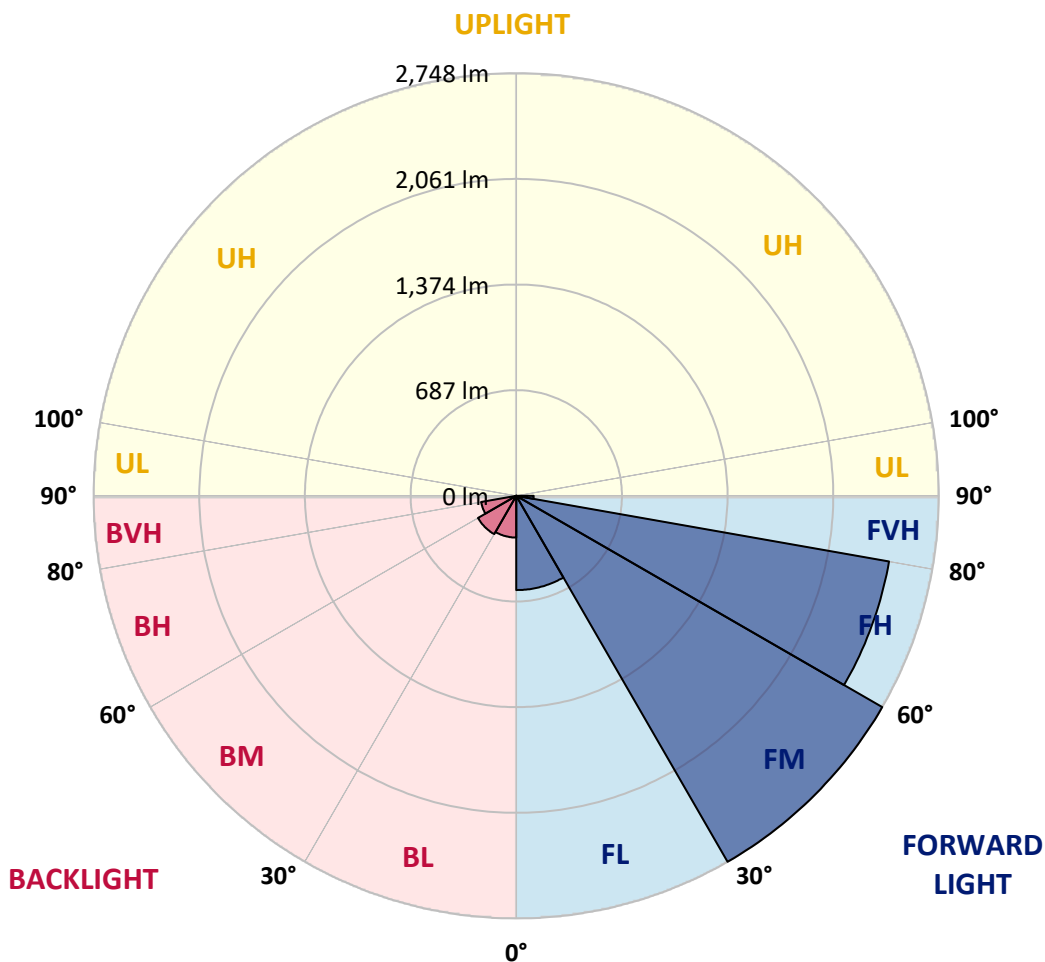


REPORT NUMBER: P323215  
 CATALOG NUMBER: GAN-SA1D-740-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.2	9.1			
FM (30°-60°)	2747.9	40.8			
FH (60°-80°)	2461.4	36.6			G2/5000
FVH (80°-90°)	113.3	1.7			G2/225
BL (0°-30°)	271.4	4.0	B1/500		
BM (30°-60°)	287.4	4.3	B1/1000		
BH (60°-80°)	231.8	3.4	B1/500		G1/500
BVH (80°-90°)	2.6	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-G2**  
 Type III Medium





REPORT NUMBER: P323215

CATALOG NUMBER: GAN-SA1D-740-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4
2.5°	1715.5	1711.2	1714.7	1722.1	1725.8	1725.8	1728.6	1725.2	1726.3	1718.1	1706.1
5°	1608.2	1601.6	1611.0	1631.8	1657.4	1679.4	1711.8	1728.9	1730.6	1730.9	1716.9
7.5°	1492.6	1486.6	1500.5	1525.0	1558.1	1598.8	1655.4	1705.0	1707.8	1734.6	1724.3
10°	1398.6	1394.3	1410.6	1436.8	1475.5	1521.0	1590.5	1659.4	1667.7	1726.9	1723.2
12.5°	1324.0	1320.6	1336.0	1366.2	1405.7	1456.1	1528.7	1608.7	1619.9	1709.5	1717.5
15°	1269.6	1269.1	1281.9	1310.9	1354.8	1401.7	1476.1	1561.8	1574.6	1690.7	1716.7
17.5°	1241.2	1242.0	1251.4	1276.2	1313.8	1360.5	1431.6	1522.2	1536.1	1673.9	1720.9
20°	1238.3	1239.2	1244.3	1258.2	1288.7	1330.0	1395.5	1488.9	1503.4	1661.4	1727.8
22.5°	1263.4	1262.8	1264.2	1262.8	1279.9	1311.2	1371.6	1463.2	1480.0	1653.2	1733.2
25°	1311.5	1310.6	1310.1	1299.5	1288.1	1304.9	1361.6	1448.7	1464.7	1647.2	1736.3
27.5°	1378.4	1377.8	1377.0	1359.6	1325.4	1314.9	1362.7	1443.3	1456.7	1642.3	1735.7
30°	1466.4	1470.4	1469.2	1445.0	1391.8	1345.4	1374.7	1440.5	1452.1	1632.9	1729.8
32.5°	1569.7	1577.7	1584.0	1558.1	1491.4	1405.7	1402.3	1443.6	1452.1	1625.8	1718.9
35°	1677.1	1687.3	1710.4	1701.3	1613.6	1496.6	1449.9	1462.4	1469.5	1629.8	1713.8
37.5°	1782.7	1795.0	1845.1	1871.6	1773.6	1616.7	1523.9	1508.8	1512.5	1654.0	1719.5
40°	1905.4	1923.9	2000.0	2042.7	1964.7	1777.6	1634.7	1588.5	1590.0	1707.3	1746.0
42.5°	2066.6	2085.7	2168.0	2234.9	2179.9	1980.9	1785.0	1710.4	1709.0	1806.9	1808.3
45°	2263.1	2283.0	2368.1	2442.4	2417.7	2221.8	1977.5	1888.4	1886.6	1964.1	1926.5
47.5°	2485.7	2505.4	2581.4	2658.0	2684.8	2503.1	2222.6	2131.2	2127.2	2182.5	2109.0
50°	2676.8	2689.6	2759.6	2862.7	2983.4	2848.8	2527.6	2439.6	2435.3	2472.6	2377.0
52.5°	2746.3	2753.7	2824.8	2969.2	3270.5	3316.9	2928.2	2814.9	2811.7	2828.0	2733.7
55°	2605.6	2619.0	2706.4	2920.5	3425.9	3845.9	3433.9	3279.6	3255.9	3220.9	3106.7
57.5°	2222.3	2243.7	2337.7	2622.4	3353.3	4265.6	4177.0	3805.2	3770.4	3556.3	3410.0
60°	1665.1	1691.3	1769.3	2076.6	2965.8	4415.1	4989.1	4390.9	4312.6	3823.4	3688.7
62.5°	1142.6	1155.7	1208.7	1408.9	2184.2	4170.2	5668.5	5175.3	5032.4	4113.8	3990.3
65°	872.7	877.3	898.9	967.8	1300.7	3387.5	5938.7	6210.3	6037.5	4461.2	4303.2
67.5°	703.3	699.6	729.5	828.0	871.0	2066.6	5623.5	7189.5	7108.7	4925.6	4618.1
69°	620.2	615.0	645.5	760.0	818.0	1366.2	5027.3	7411.9	7417.0	5170.8	4639.7
70°	558.1	561.5	591.7	719.5	800.1	1072.3	4457.8	7355.2	7395.7	5262.4	4509.9
72.5°	372.7	381.8	442.5	597.4	769.4	811.5	2691.6	6311.7	6467.2	5056.0	3869.2
75°	210.1	217.0	289.0	450.4	724.9	772.8	1421.7	4650.0	4800.3	4228.0	2983.7
77.5°	103.1	106.8	163.4	290.7	606.2	736.3	806.4	3158.6	3330.2	2759.6	1687.6
80°	43.6	45.6	81.7	179.4	433.4	702.7	598.8	1943.9	1965.2	1081.1	449.6
82.5°	16.8	17.4	34.5	111.9	275.3	547.8	500.8	921.7	899.5	203.6	102.5
85°	2.0	2.3	12.5	67.2	153.2	281.9	406.9	397.2	367.6	40.4	52.7
87.5°	0.0	0.0	0.9	20.5	45.6	132.1	211.6	164.9	148.6	13.1	27.3
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: P323215  
 CATALOG NUMBER: GAN-SA1D-740-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4	1700.4
2.5°	1696.2	1693.3	1677.9	1655.7	1634.7	1608.5	1583.4	1568.3	1556.4	1548.4	1557.8
5°	1700.7	1688.2	1641.5	1581.7	1523.0	1457.0	1395.5	1343.4	1322.9	1300.1	1310.3
7.5°	1699.3	1675.7	1591.7	1485.2	1377.5	1266.2	1160.9	1079.7	1037.6	996.3	1006.8
10°	1692.2	1652.3	1525.0	1367.3	1206.1	1046.1	896.6	783.0	719.5	662.0	670.3
12.5°	1676.5	1621.0	1446.4	1232.3	1016.8	805.8	630.7	485.2	407.2	372.7	377.0
15°	1667.1	1590.5	1363.3	1095.7	814.6	561.2	385.5	286.7	251.1	239.7	241.2
17.5°	1662.6	1561.2	1277.3	939.3	607.9	357.3	249.1	219.8	212.1	210.1	210.7
20°	1658.0	1531.6	1188.8	784.7	418.8	240.3	204.7	196.2	193.3	190.8	191.3
22.5°	1650.3	1503.1	1093.7	628.1	282.5	195.0	184.5	176.3	170.3	167.1	167.7
25°	1640.9	1473.2	996.6	467.8	206.1	174.0	164.0	152.3	145.2	139.5	139.8
27.5°	1625.8	1436.5	896.3	340.5	173.1	155.7	142.4	129.6	117.6	111.0	111.0
30°	1604.8	1394.9	785.0	243.7	155.2	137.8	121.6	105.6	92.8	86.8	86.3
32.5°	1581.4	1351.6	672.5	184.8	140.9	121.0	102.5	85.7	74.3	69.5	69.2
35°	1561.5	1304.9	560.4	154.9	126.7	104.8	84.6	70.3	61.2	57.2	56.9
37.5°	1548.7	1258.2	451.0	138.4	113.9	89.7	70.9	58.1	51.5	48.4	48.1
40°	1546.7	1223.5	351.1	125.9	101.9	76.3	59.2	49.3	43.3	39.9	39.6
42.5°	1572.6	1203.6	269.4	115.3	89.7	64.6	50.4	42.1	35.9	32.5	32.2
45°	1640.6	1209.8	207.3	105.9	77.4	54.7	42.7	35.0	29.3	26.8	26.2
47.5°	1764.8	1253.1	164.9	96.5	65.8	46.4	36.4	29.0	24.2	21.6	21.4
50°	1985.7	1354.8	137.8	86.3	55.0	39.6	30.2	23.6	19.6	17.4	17.1
52.5°	2279.0	1535.9	123.0	76.3	45.6	33.6	24.8	18.8	15.4	13.7	13.4
55°	2602.5	1755.1	113.3	65.5	37.3	27.9	19.6	14.8	12.0	10.5	10.0
57.5°	2918.2	1945.0	104.2	55.0	31.0	22.8	15.7	11.7	9.4	8.0	7.7
60°	3208.4	2119.6	93.7	44.1	25.3	17.9	12.2	9.1	7.4	6.0	6.0
62.5°	3519.0	2254.5	79.2	34.5	20.8	13.7	10.0	8.3	6.0	5.1	4.8
65°	3848.2	2354.7	62.1	26.8	16.2	10.3	8.3	8.5	4.8	3.7	3.4
67.5°	4091.3	2334.8	45.8	21.1	12.5	8.0	8.0	9.1	4.3	2.8	2.6
69°	4037.8	2172.8	38.4	18.2	10.8	6.8	7.4	9.1	4.0	2.6	2.3
70°	3882.6	1993.4	33.9	16.2	9.7	6.3	7.1	8.8	3.7	2.6	2.3
72.5°	3233.4	1501.4	26.5	12.2	7.7	5.1	6.0	7.7	3.7	2.6	2.0
75°	2432.2	961.0	20.2	8.8	5.7	4.0	4.6	5.7	3.7	2.3	2.0
77.5°	1323.4	346.5	14.5	6.0	4.0	3.1	3.1	4.3	3.4	1.7	1.1
80°	340.3	87.1	9.1	4.0	3.1	2.3	2.0	2.8	2.0	0.3	0.0
82.5°	84.0	19.6	4.8	2.8	2.3	0.9	0.9	1.4	0.9	0.0	0.0
85°	46.1	9.7	3.1	2.0	1.1	0.0	0.0	0.3	0.0	0.0	0.0
87.5°	23.6	2.8	0.9	0.6	0.3	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)