

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: P322606

Luminaire Tested: **GAN-SA2C-750-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-750-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10277 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

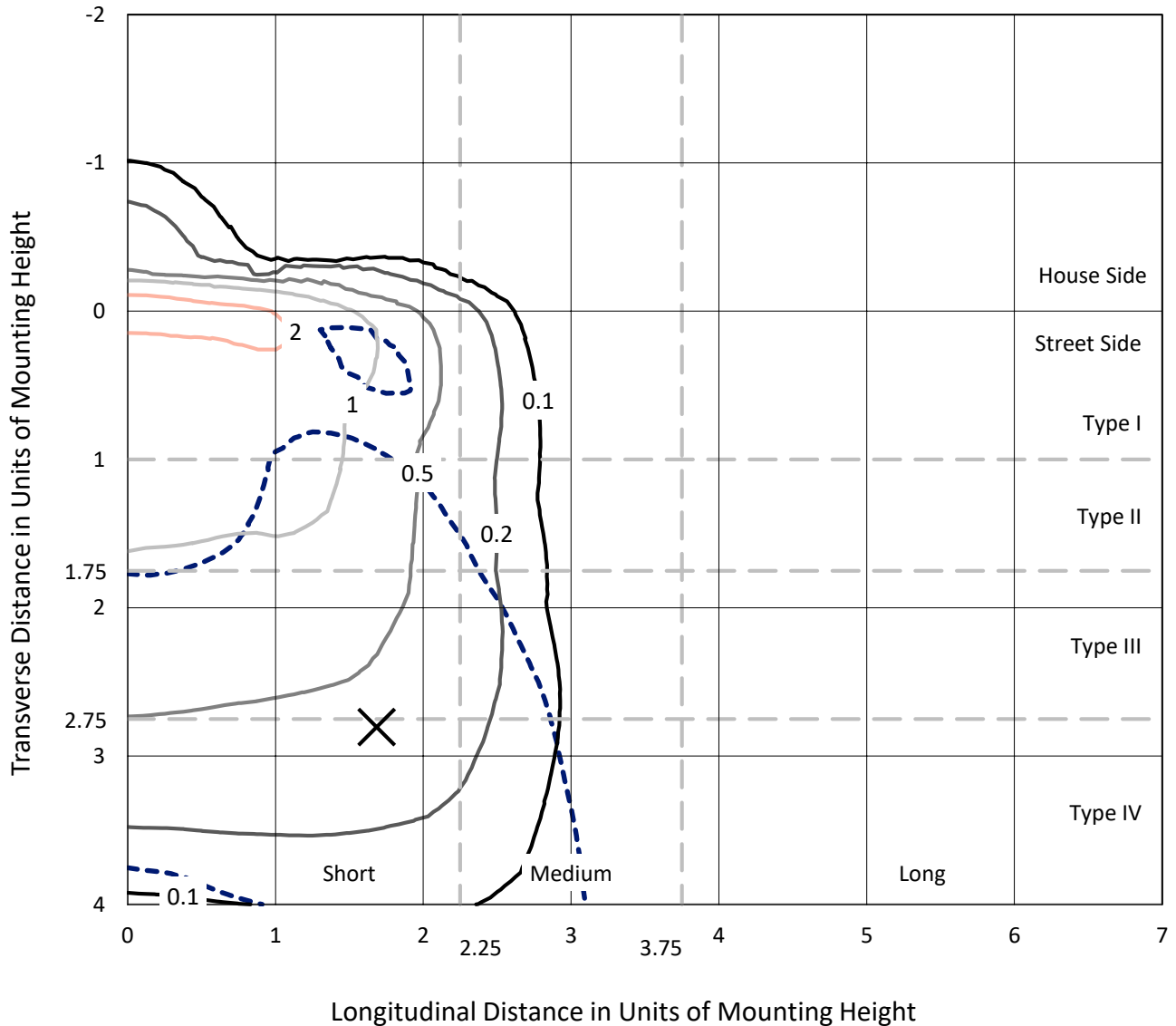
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

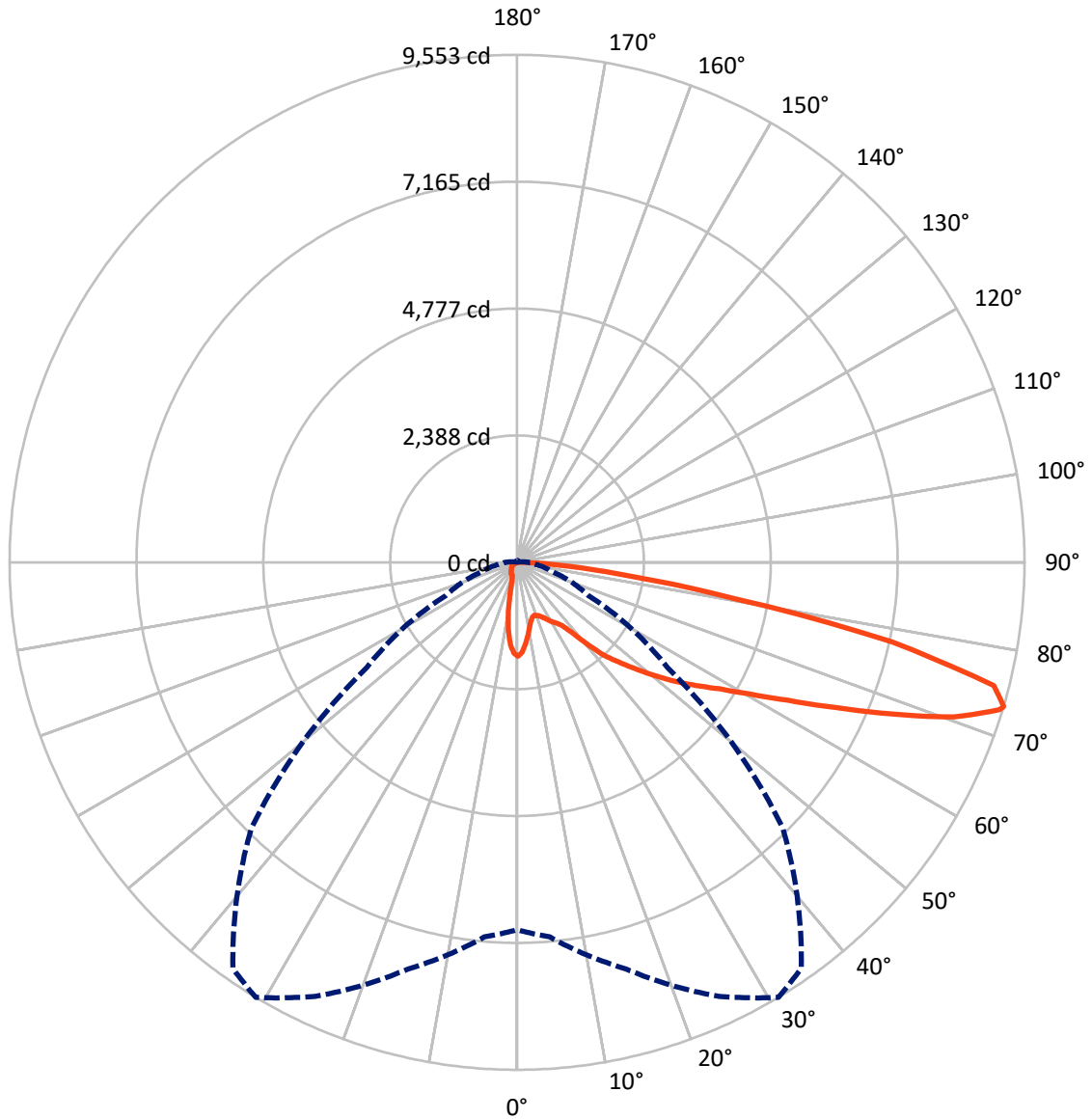
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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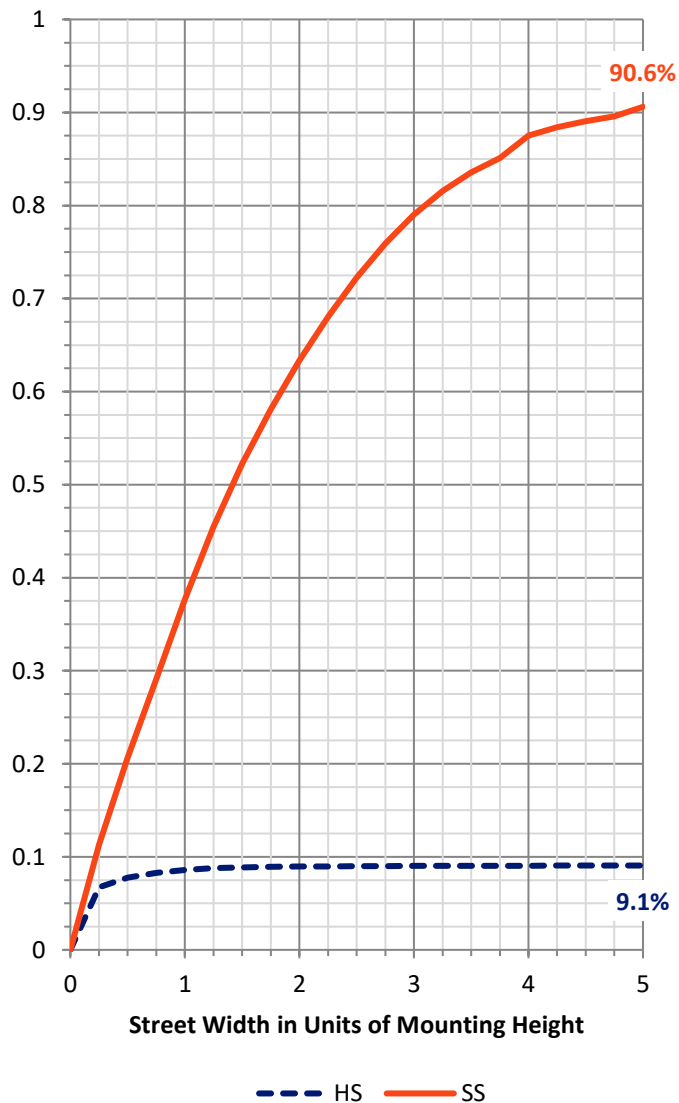
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	936.8	0.0	936.8
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	9340.2	0.0	9340.2
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	10277.0	0.0	10277.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	1.4
10°-20°	318.3	3.1
20°-30°	476.9	4.6
30°-40°	758.8	7.4
40°-50°	1355.0	13.2
50°-60°	2102.6	20.5
60°-70°	2795.2	27.2
70°-80°	2102.5	20.5
80°-90°	220.9	2.1
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°	10277.0	100.0
0°-180°	10277.0	100.0

**Coefficient of Utilization**



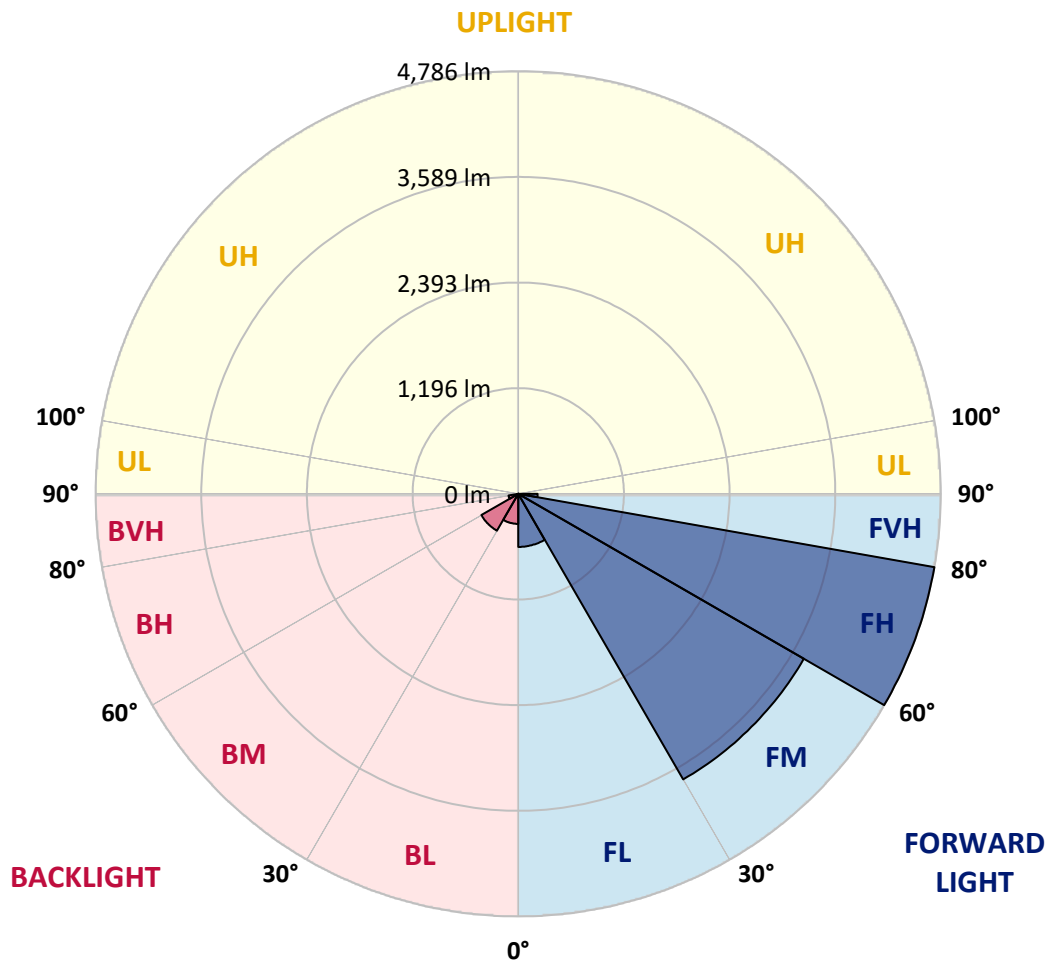
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.2	5.9			
FM (30°-60°)	3734.3	36.3			
FH (60°-80°)	4785.6	46.6			G2/5000
FVH (80°-90°)	219.1	2.1			G2/225
BL (0°-30°)	340.7	3.3	B1/500		
BM (30°-60°)	482.2	4.7	B1/1000		
BH (60°-80°)	112.1	1.1	B1/500		G1/500
BVH (80°-90°)	1.9	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1675.6	1682.7	1690.2	1691.7	1704.3	1704.8	1722.9	1736.5	1750.1	1763.1	1767.7
5°	1503.7	1515.2	1528.8	1542.4	1569.0	1579.6	1623.8	1669.1	1712.4	1753.6	1773.7
7.5°	1320.1	1333.2	1352.3	1386.0	1415.6	1436.3	1506.2	1586.6	1667.1	1743.0	1786.8
10°	1152.6	1164.7	1184.8	1220.5	1266.3	1294.5	1388.5	1500.1	1618.3	1733.5	1806.4
12.5°	1046.0	1052.6	1063.6	1101.8	1143.1	1174.8	1285.4	1423.7	1578.1	1733.0	1838.1
15°	1026.4	1028.4	1019.4	1036.5	1068.7	1099.3	1211.5	1361.8	1547.4	1741.0	1879.3
17.5°	1057.6	1056.6	1026.4	1024.4	1050.0	1075.2	1175.3	1319.1	1525.8	1759.6	1932.6
20°	1104.9	1101.3	1049.0	1039.5	1066.6	1090.3	1172.8	1303.0	1517.7	1790.8	1997.5
22.5°	1167.7	1161.7	1079.7	1069.7	1098.8	1123.5	1203.9	1318.6	1524.8	1832.5	2072.9
25°	1245.7	1236.6	1132.5	1121.5	1151.1	1175.8	1259.8	1363.3	1545.9	1883.3	2168.5
27.5°	1333.7	1320.6	1217.0	1188.3	1222.0	1247.7	1334.2	1431.7	1579.1	1937.2	2285.7
30°	1416.7	1399.6	1306.0	1258.7	1300.0	1328.6	1414.6	1513.2	1632.4	2020.1	2446.1
32.5°	1500.1	1481.0	1385.5	1329.2	1366.4	1397.5	1497.6	1625.4	1732.5	2146.9	2659.3
35°	1692.2	1672.1	1555.0	1461.9	1461.4	1479.0	1613.8	1778.7	1864.7	2323.4	2913.8
37.5°	2015.6	2004.0	1892.4	1715.9	1668.6	1649.0	1772.2	1961.8	2054.8	2566.3	3200.9
40°	2369.6	2359.6	2234.4	2074.4	2002.5	1954.3	1999.5	2216.8	2323.4	2863.0	3494.1
42.5°	2769.4	2721.7	2498.4	2450.6	2386.2	2349.5	2308.8	2531.1	2653.3	3185.8	3784.8
45°	3132.5	3052.1	2762.4	2690.0	2675.4	2684.5	2707.1	2953.5	3024.4	3569.5	4074.5
47.5°	3348.8	3285.4	3063.1	2993.7	2989.7	3049.6	3220.5	3430.7	3394.0	3904.0	4329.4
50°	3554.5	3497.1	3312.6	3329.7	3348.3	3429.7	3803.4	3921.6	3731.5	4207.2	4563.3
52.5°	3720.9	3633.4	3536.9	3632.9	3724.4	3855.7	4404.9	4362.1	3970.9	4448.6	4763.4
55°	3817.0	3777.2	3824.0	3920.6	4092.6	4305.8	4972.6	4728.7	4145.9	4668.9	4896.7
57.5°	4169.0	4091.1	4184.1	4267.6	4491.9	4790.1	5458.9	5001.8	4272.1	4805.2	4927.4
60°	4595.0	4532.1	4586.9	4725.7	5028.4	5379.0	5913.5	5224.6	4338.0	4892.7	4847.9
62.5°	5272.9	5189.9	5155.7	5311.1	5712.4	6095.1	6258.5	5379.0	4323.4	4853.9	4575.3
65°	6181.1	6095.1	5942.2	6083.0	6593.5	6863.5	6644.2	5411.7	4222.8	4540.6	3886.4
67.5°	7111.4	7049.1	6918.3	7155.7	7616.3	7703.3	7052.1	5332.2	3898.9	3681.7	2745.8
70°	7726.0	7699.3	7784.3	8309.3	8720.2	8695.1	7426.3	4905.2	3039.0	2264.0	1358.3
72.5°	7282.9	7410.7	8038.3	8990.3	9492.1	9287.0	7234.1	3766.7	1737.0	871.0	392.8
73°	6915.8	7079.3	7924.1	9015.9	9553.0	9328.2	7072.7	3457.4	1480.5	687.5	297.7
75°	4811.2	5011.9	6560.3	8396.8	9268.4	8887.7	5895.4	2116.2	685.9	304.8	120.2
77.5°	2335.9	2484.3	3612.3	6066.9	7208.0	6944.0	3670.1	788.5	309.8	190.6	55.3
80°	872.0	969.6	1568.0	3087.8	4165.5	4274.6	1614.3	298.2	206.2	153.4	28.2
82.5°	228.3	254.5	578.3	1376.9	2134.8	2234.4	508.9	150.4	150.9	126.2	17.1
85°	72.9	83.5	180.5	618.1	1005.8	883.1	132.8	72.9	109.6	94.0	9.6
87.5°	9.1	11.6	57.3	145.3	221.8	123.2	20.6	21.6	46.8	52.3	5.5
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°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1772.2	1769.7	1770.2	1757.1	1748.6	1731.5	1713.9	1705.8	1697.3	1693.8	1697.3
5°	1781.3	1776.7	1763.7	1723.4	1680.7	1625.4	1573.6	1534.3	1485.0	1471.5	1485.6
7.5°	1795.3	1786.3	1748.1	1666.1	1571.0	1465.4	1346.8	1260.3	1189.3	1143.6	1160.2
10°	1816.0	1798.9	1721.9	1582.6	1412.6	1225.6	1057.1	925.8	832.8	794.6	793.1
12.5°	1850.7	1818.5	1689.7	1474.0	1219.0	969.6	748.8	606.5	531.1	482.3	481.3
15°	1888.9	1841.6	1649.0	1343.7	993.7	694.5	482.3	374.2	325.4	309.8	307.8
17.5°	1935.6	1868.3	1596.2	1183.3	757.9	460.1	314.8	283.6	281.6	280.1	280.1
20°	1994.5	1899.9	1528.3	999.8	537.6	307.3	267.5	269.6	270.6	268.5	269.0
22.5°	2062.9	1932.1	1447.3	802.6	363.6	257.0	256.0	258.5	259.5	258.5	259.0
25°	2142.3	1969.3	1348.8	595.9	262.5	243.9	246.4	249.9	252.5	252.5	252.5
27.5°	2240.9	2014.6	1230.1	415.9	226.8	230.3	237.4	243.9	247.4	248.4	248.4
30°	2369.1	2070.9	1087.8	285.1	206.2	212.2	225.3	237.9	244.4	245.4	245.9
32.5°	2531.1	2134.3	922.8	210.7	188.6	193.1	207.2	228.3	240.9	242.9	242.9
35°	2716.6	2207.7	745.3	183.6	176.0	177.5	188.6	212.7	234.9	240.4	240.9
37.5°	2919.8	2280.1	566.8	171.5	165.5	165.5	173.5	194.1	220.3	237.4	239.4
40°	3109.4	2323.9	397.3	161.9	155.9	155.9	162.9	178.0	202.7	228.3	233.8
42.5°	3284.4	2339.0	276.6	152.9	146.8	148.4	154.4	166.5	185.1	210.7	215.7
45°	3464.4	2336.5	201.7	142.3	137.8	142.3	146.8	155.9	169.5	184.1	185.1
47.5°	3600.2	2315.3	159.9	132.3	129.2	135.3	139.3	145.3	152.9	151.9	151.9
50°	3727.5	2264.0	128.7	118.7	120.7	127.7	129.7	131.8	132.3	122.7	121.7
52.5°	3824.0	2184.1	103.1	104.1	112.1	119.2	117.2	114.2	109.1	97.6	95.6
55°	3856.2	2030.2	81.0	86.0	99.6	108.6	101.1	94.5	85.0	75.4	73.4
57.5°	3797.9	1831.5	65.9	66.9	84.0	91.5	83.0	75.4	64.9	56.8	55.3
60°	3674.2	1610.8	54.3	50.3	64.9	71.4	65.9	58.3	48.8	42.7	42.2
62.5°	3428.7	1375.4	44.8	39.2	49.3	54.8	51.3	45.8	37.7	33.7	33.2
65°	2912.8	1100.3	36.2	31.7	38.2	42.7	39.7	35.7	29.7	26.7	26.2
67.5°	2033.2	743.8	29.7	26.2	30.2	33.7	31.2	29.2	23.6	23.1	23.6
70°	980.6	358.6	24.6	21.1	23.6	26.2	25.1	23.6	22.6	26.2	30.2
72.5°	281.1	120.2	19.6	17.6	19.1	20.6	21.6	21.1	24.6	31.7	36.7
73°	216.2	97.1	18.6	16.6	18.1	20.1	21.1	20.6	25.1	32.2	36.7
75°	92.5	46.8	14.1	13.6	15.1	17.6	18.6	18.6	25.1	32.7	35.2
77.5°	41.7	25.1	9.1	10.6	13.1	14.1	15.6	15.6	20.1	25.1	25.1
80°	23.6	13.6	7.0	8.0	9.6	9.6	9.6	8.5	9.1	10.1	11.1
82.5°	15.1	9.1	5.5	6.5	6.0	5.0	4.0	4.0	3.5	4.0	5.0
85°	8.5	5.0	5.0	4.0	2.5	2.0	2.5	2.0	0.5	0.0	0.5
87.5°	5.0	3.0	1.5	0.0	0.0	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)