

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: P323425

Luminaire Tested: **GAN-SA1A-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3486 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

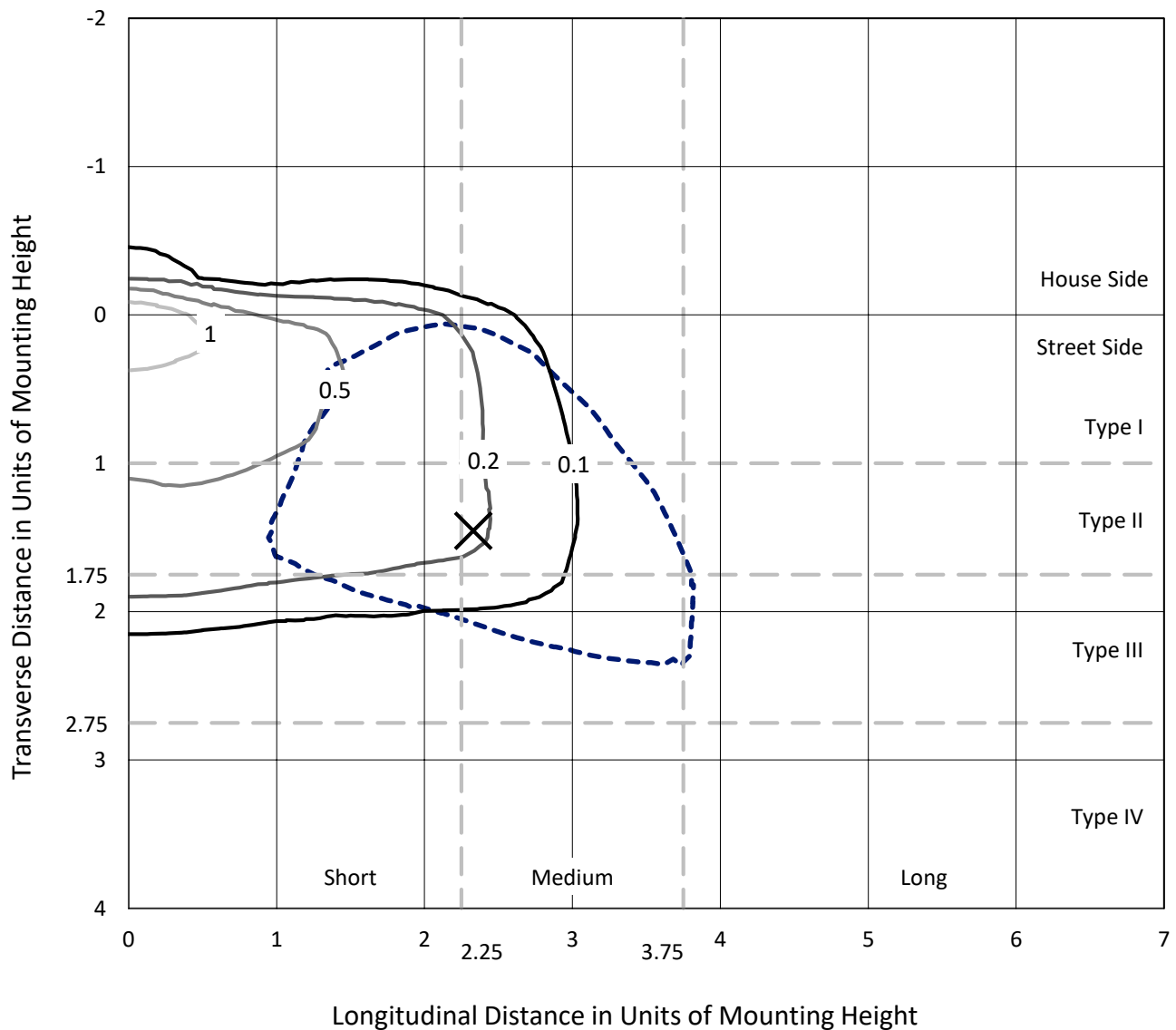
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323425
 CATALOG NUMBER: GAN-SA1A-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

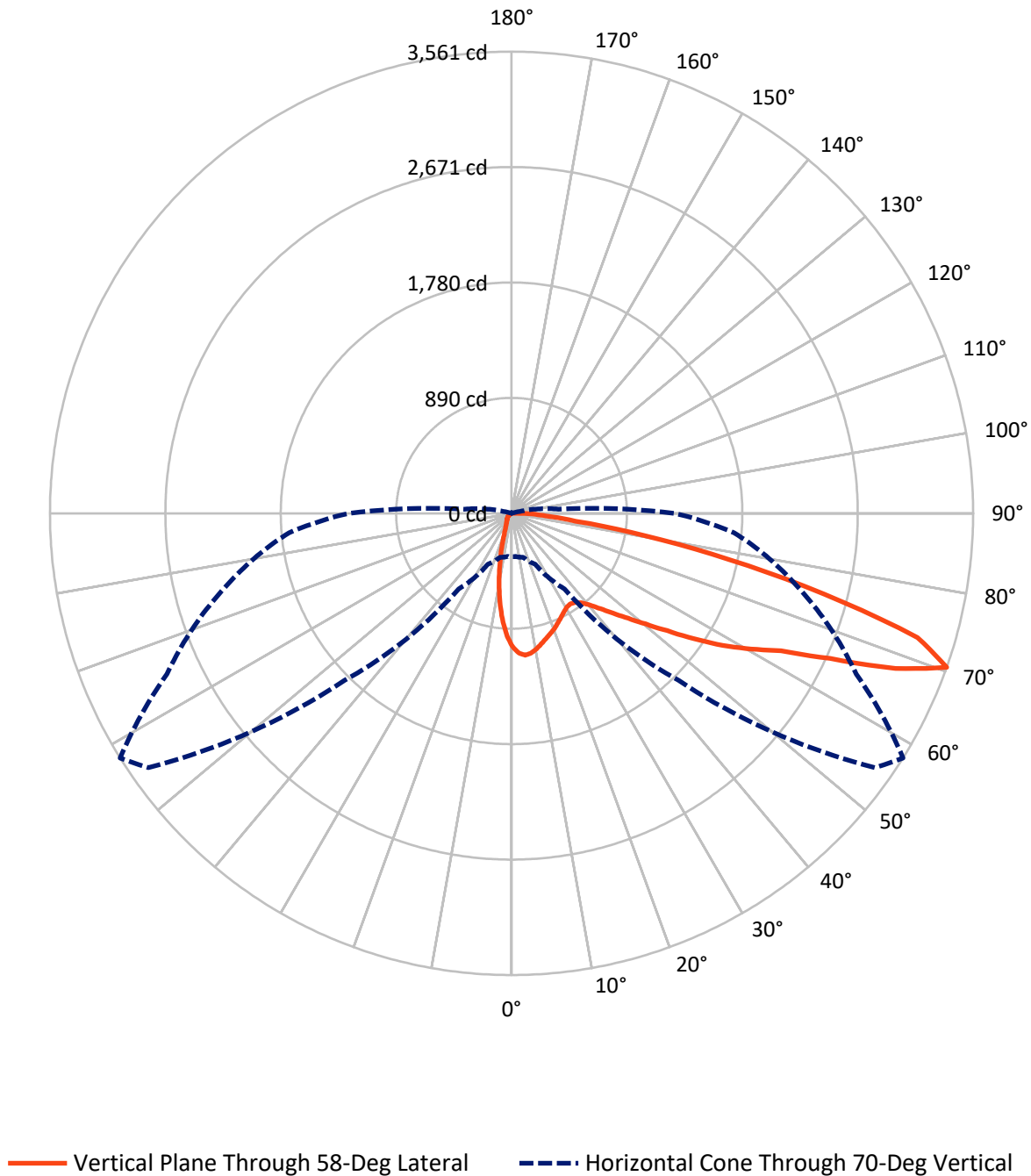
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P323425
CATALOG NUMBER: GAN-SA1A-727-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323425

CATALOG NUMBER: GAN-SA1A-727-U-SL3-HSS

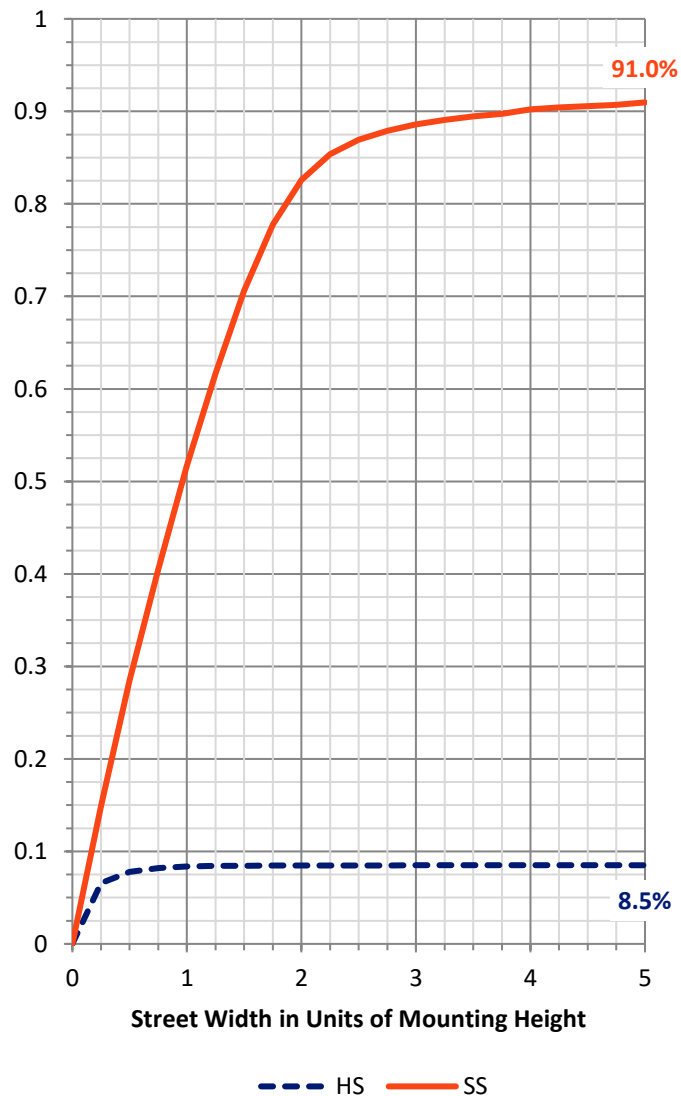
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	298.3	0.0	298.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3187.7	0.0	3187.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	3486.0	0.0	3486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	2.4
10°-20°	176.7	5.1
20°-30°	232.3	6.7
30°-40°	307.7	8.8
40°-50°	459.9	13.2
50°-60°	736.8	21.1
60°-70°	928.7	26.6
70°-80°	500.9	14.4
80°-90°	58.6	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°	3486.0	100.0
0°-180°	3486.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323425

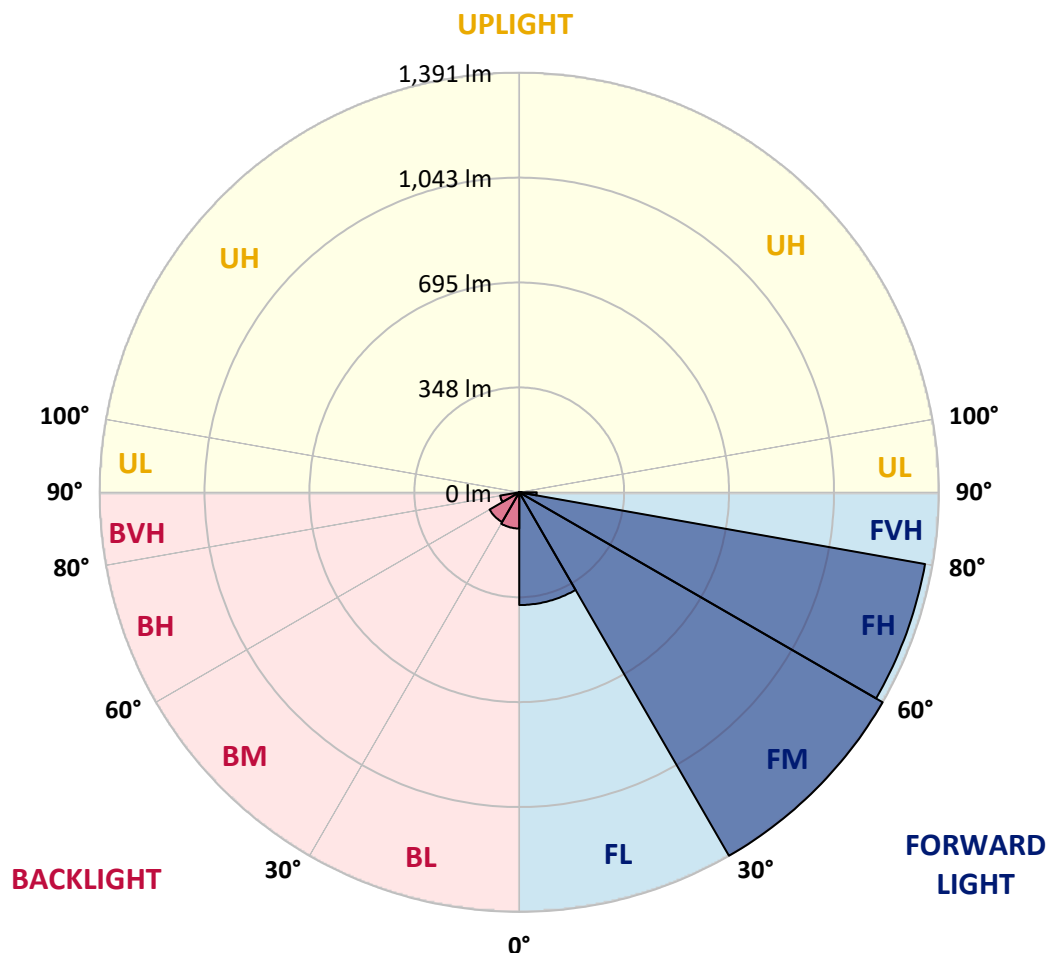
CATALOG NUMBER: GAN-SA1A-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.4	10.7			
FM	(30°-60°)	1390.6	39.9			
FH	(60°-80°)	1365.5	39.2			G1/1800
FVH	(80°-90°)	58.1	1.7			G1/100
BL	(0°-30°)	119.9	3.4	B1/500		
BM	(30°-60°)	113.8	3.3	B0/220		
BH	(60°-80°)	64.2	1.8	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type III Medium



REPORT NUMBER: P323425

CATALOG NUMBER: GAN-SA1A-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1115.1	1112.4	1111.4	1109.6	1102.9	1096.4	1083.5	1079.9	1071.8	1052.5	1032.1
5°	1116.0	1115.9	1118.9	1118.2	1115.9	1112.8	1103.5	1098.7	1085.0	1057.4	1020.0
7.5°	1062.2	1065.0	1071.8	1077.3	1083.7	1091.9	1093.1	1088.5	1077.1	1047.4	997.9
10°	990.0	994.4	1003.9	1014.8	1031.5	1048.0	1062.8	1062.2	1058.3	1029.0	971.2
12.5°	917.7	922.8	933.8	949.9	973.5	1000.5	1026.8	1030.5	1037.0	1012.5	946.5
15°	854.4	858.7	869.6	889.3	918.6	954.8	993.5	1000.2	1017.0	999.6	926.0
17.5°	800.6	803.3	811.3	833.2	867.1	911.0	961.3	974.4	999.5	989.5	908.1
20°	763.0	763.5	768.7	784.1	818.0	867.1	928.0	946.7	980.9	980.8	889.7
22.5°	744.5	743.0	744.0	752.9	777.8	825.2	894.7	916.8	964.2	973.4	871.0
25°	741.0	739.8	736.9	738.1	753.2	788.5	861.0	886.7	949.6	968.9	854.8
27.5°	751.9	753.0	748.1	742.9	744.0	764.8	831.2	860.9	937.7	968.9	843.3
30°	773.8	774.3	770.7	763.9	754.8	758.1	810.4	840.1	931.8	975.5	836.1
32.5°	798.0	801.2	800.7	795.2	782.2	768.7	805.5	832.6	931.3	990.3	835.4
35°	828.0	831.6	837.7	836.5	822.9	800.7	822.3	843.6	939.9	1014.7	843.2
37.5°	859.9	865.4	878.4	884.6	875.8	850.7	860.0	875.2	962.8	1054.1	863.1
40°	890.7	897.0	920.7	945.2	938.6	912.8	917.1	929.3	1003.5	1110.8	900.7
42.5°	921.0	930.3	965.2	1005.5	1013.5	992.9	995.2	1005.0	1064.0	1188.8	962.3
45°	957.3	967.7	1019.5	1069.2	1090.5	1081.5	1091.4	1097.7	1143.0	1291.8	1045.4
47.5°	1010.5	1022.5	1086.0	1142.7	1180.1	1185.9	1205.7	1209.9	1242.8	1411.8	1153.7
50°	1114.3	1117.6	1175.0	1226.4	1280.4	1315.2	1337.8	1341.0	1363.7	1543.0	1288.9
52.5°	1244.9	1247.0	1279.5	1314.0	1375.3	1446.3	1499.3	1503.7	1508.5	1670.9	1422.4
55°	1374.6	1374.3	1395.8	1416.0	1486.2	1589.4	1704.2	1707.0	1672.6	1792.2	1524.5
57.5°	1455.6	1463.4	1496.1	1522.2	1620.1	1752.5	1911.8	1921.9	1845.0	1882.1	1625.4
60°	1429.8	1433.6	1505.9	1602.5	1787.0	1984.3	2121.8	2124.4	1974.6	1971.8	1752.9
62.5°	1218.2	1220.2	1333.9	1532.9	1871.5	2284.9	2375.2	2332.7	2123.6	2096.3	1905.6
65°	834.9	848.1	943.1	1189.1	1716.2	2473.5	2767.4	2697.1	2350.7	2275.8	2043.6
67.5°	491.7	488.9	535.9	717.1	1260.5	2348.2	3263.6	3193.8	2660.5	2395.9	2003.1
70°	335.9	334.0	351.9	434.1	711.6	1821.6	3419.7	3560.8	2934.0	2315.0	1723.9
72.5°	239.8	240.8	267.3	337.3	446.7	1061.3	2940.8	3274.6	2848.3	2018.2	1310.4
75°	162.8	165.5	203.5	276.7	391.7	540.0	2086.9	2489.3	2319.4	1466.8	753.2
77.5°	87.6	90.6	135.4	222.9	354.1	375.1	1342.4	1713.2	1456.9	659.4	218.3
80°	36.5	38.3	63.3	162.1	306.0	329.5	789.9	1038.9	620.8	130.0	48.7
82.5°	15.8	16.7	26.4	96.7	228.7	278.2	418.2	499.8	188.1	28.6	24.5
85°	3.0	3.2	10.9	51.2	146.0	157.0	271.1	265.7	84.5	12.3	17.8
87.5°	0.0	0.0	2.6	16.1	42.9	85.5	165.4	163.4	28.7	5.9	6.7
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: P323425

CATALOG NUMBER: GAN-SA1A-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1021.6	1011.6	990.6	964.7	944.8	922.9	905.5	883.5	873.9	874.4	869.1
5°	998.7	978.1	931.6	872.9	827.7	781.0	740.9	700.8	677.2	669.5	662.3
7.5°	966.0	933.4	859.1	768.7	692.2	617.4	552.3	495.0	458.8	441.1	434.6
10°	929.0	883.2	775.8	656.6	547.3	446.2	361.8	288.5	259.2	239.3	234.2
12.5°	896.5	834.5	694.3	541.7	412.0	289.9	209.5	163.8	143.9	136.1	134.8
15°	866.0	789.0	615.9	437.6	285.3	178.4	133.2	117.7	113.1	111.8	111.8
17.5°	837.1	745.6	539.2	335.1	188.7	125.1	110.3	106.8	105.4	105.2	105.4
20°	807.0	702.3	463.9	245.6	131.8	106.0	101.9	100.0	99.6	99.6	99.6
22.5°	778.1	659.0	390.5	175.4	105.7	96.7	94.7	93.3	92.9	92.8	92.5
25°	750.4	617.8	318.9	123.9	92.8	88.6	86.8	85.1	83.8	83.1	82.6
27.5°	727.7	581.1	252.2	99.4	83.8	80.2	78.0	75.4	72.2	70.7	70.2
30°	709.5	547.6	194.4	83.9	75.4	71.8	68.4	63.9	59.3	56.8	56.7
32.5°	695.3	514.7	147.6	74.2	67.8	63.3	58.6	52.9	47.5	44.8	44.6
35°	688.4	485.7	112.8	67.1	61.2	55.5	49.6	43.3	38.1	35.5	35.2
37.5°	693.0	461.2	88.0	61.2	55.5	49.0	42.0	35.5	30.9	28.6	28.4
40°	710.0	445.6	71.5	56.1	50.7	42.8	35.2	29.1	25.2	23.3	23.2
42.5°	746.1	439.8	61.0	51.9	46.1	37.0	29.3	24.1	20.4	19.1	18.8
45°	806.4	448.3	53.9	47.8	41.3	31.5	24.2	19.7	16.5	15.5	15.4
47.5°	886.7	470.8	48.8	43.9	37.0	26.5	20.1	15.9	13.5	12.5	12.3
50°	990.2	506.5	44.6	40.0	32.9	22.5	16.7	12.6	10.4	9.7	9.7
52.5°	1102.8	548.9	40.9	36.4	28.8	18.7	13.5	9.7	8.3	7.4	7.4
55°	1195.9	586.0	36.8	33.6	23.9	15.5	10.3	7.4	6.1	5.7	5.7
57.5°	1288.8	625.6	32.2	28.8	19.1	12.6	7.8	5.5	4.5	4.2	4.2
60°	1409.2	674.0	27.7	23.5	15.1	9.6	5.8	3.9	3.3	3.2	3.2
62.5°	1541.7	702.4	23.6	18.8	11.7	7.1	4.2	2.6	2.5	2.5	2.3
65°	1622.8	662.3	19.9	15.1	9.1	5.4	2.8	1.9	2.2	2.0	1.7
67.5°	1519.4	518.5	16.2	11.7	7.1	4.1	1.7	1.3	2.3	1.9	1.4
70°	1258.0	363.0	12.6	8.3	5.7	3.5	1.2	0.9	2.5	1.9	1.2
72.5°	941.5	242.9	10.0	5.5	4.2	3.0	1.0	0.4	2.2	1.6	1.0
75°	514.4	97.8	8.0	3.5	2.6	2.2	0.7	0.3	1.4	1.2	0.7
77.5°	135.4	25.8	5.8	2.3	1.4	0.9	0.4	0.1	0.7	0.6	0.3
80°	34.5	10.0	3.8	1.6	1.0	0.4	0.0	0.0	0.1	0.0	0.0
82.5°	18.4	4.2	2.3	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.9	2.8	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	0.9	0.4	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)