

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: McGRAW-EDISON

Report Number: P946981

Luminaire Tested: **GALN-SB2C-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9442 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 100.9
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



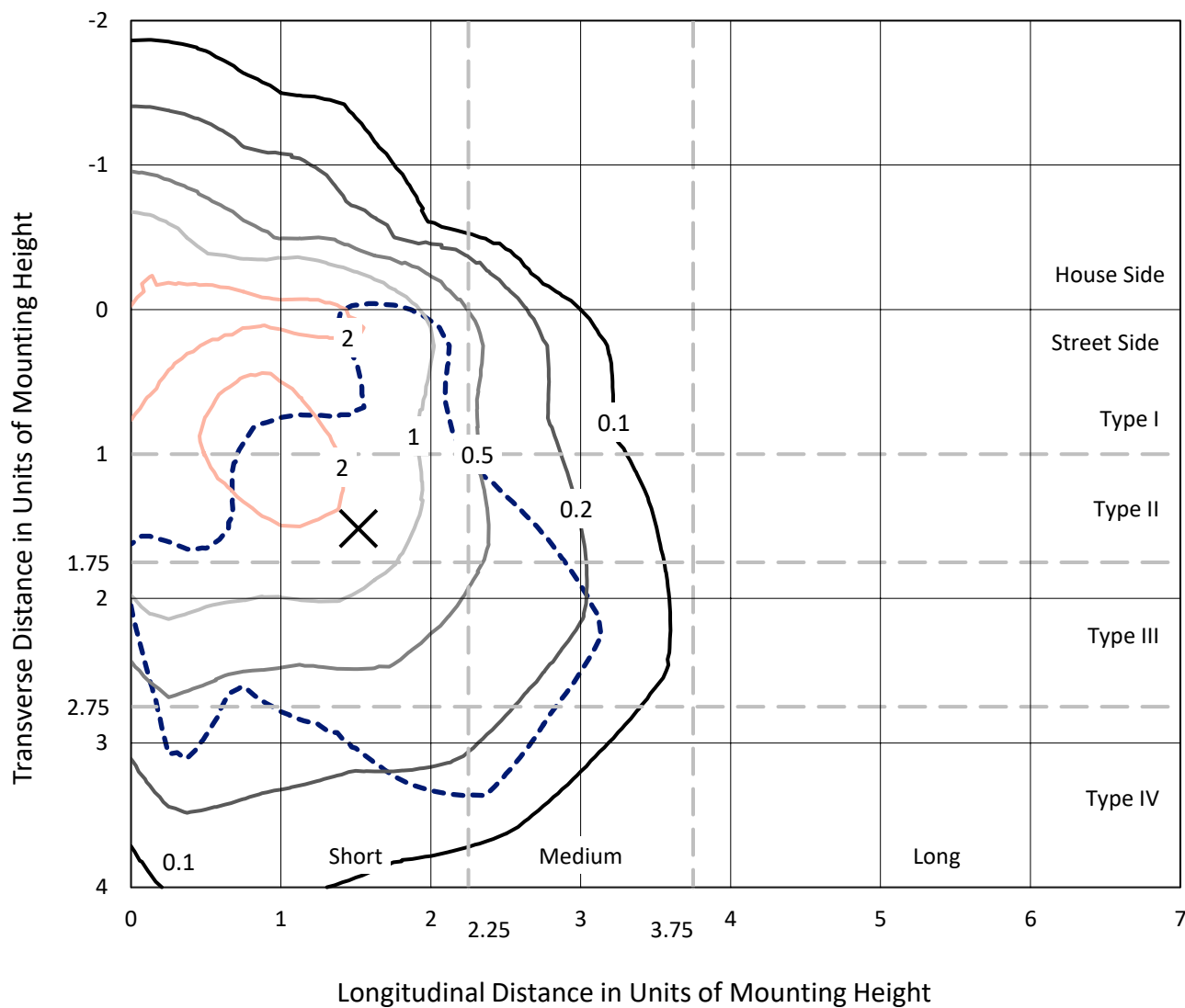
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

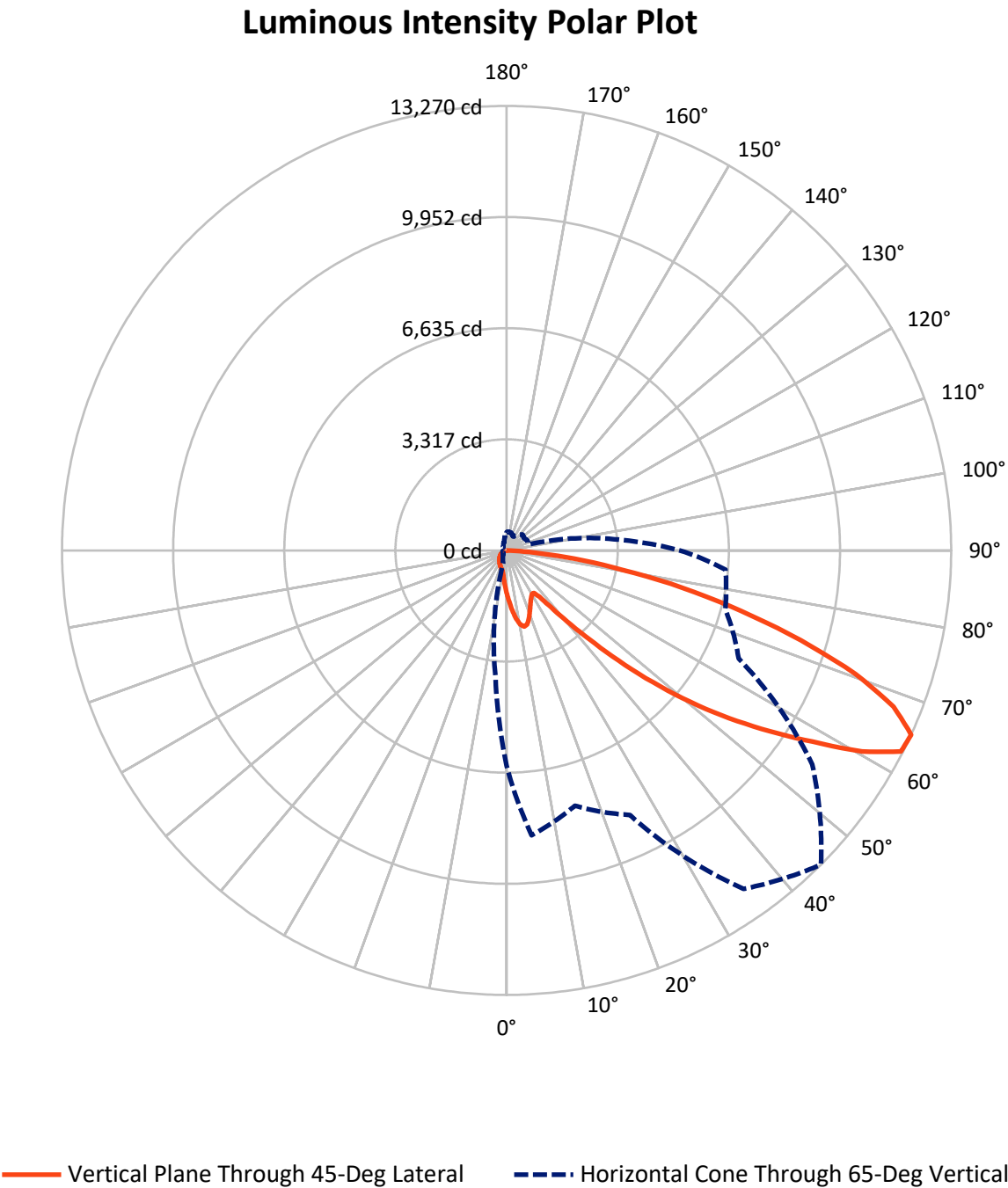
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc

Type IV - Short - N/A

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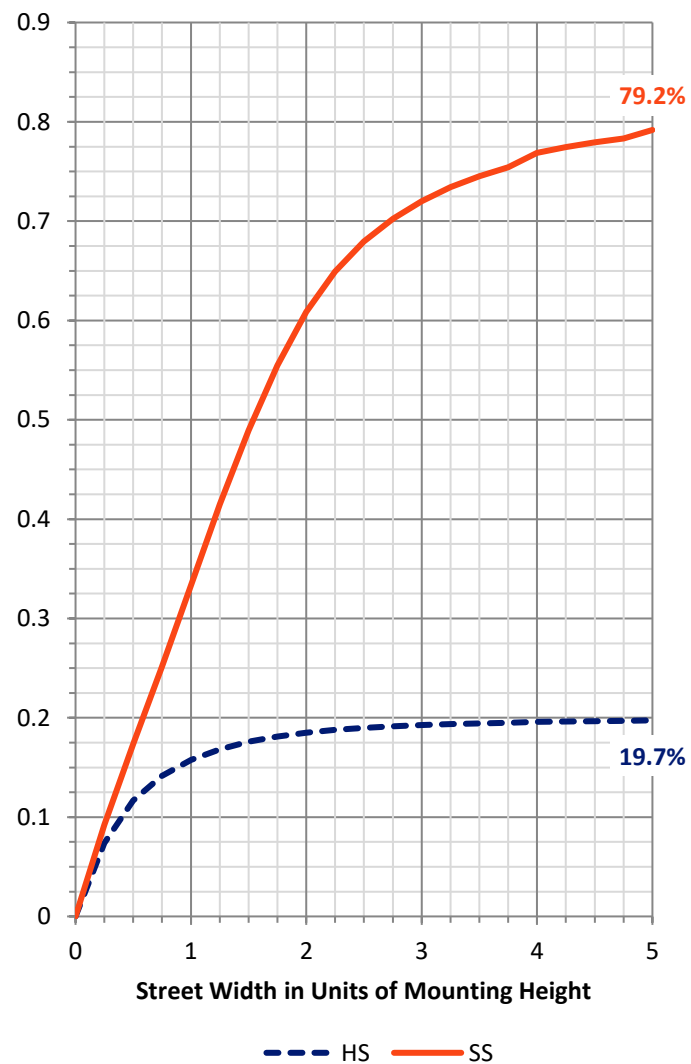
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1876.8	0.0	1876.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	7565.2	0.0	7565.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	9442.0	0.0	9442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	1.4
10°-20°	385.9	4.1
20°-30°	568.5	6.0
30°-40°	730.3	7.7
40°-50°	1181.1	12.5
50°-60°	2071.2	21.9
60°-70°	2591.7	27.4
70°-80°	1514.4	16.0
80°-90°	270.2	2.9
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°	9442.0	100.0
0°-180°	9442.0	100.0

Coefficient of Utilization



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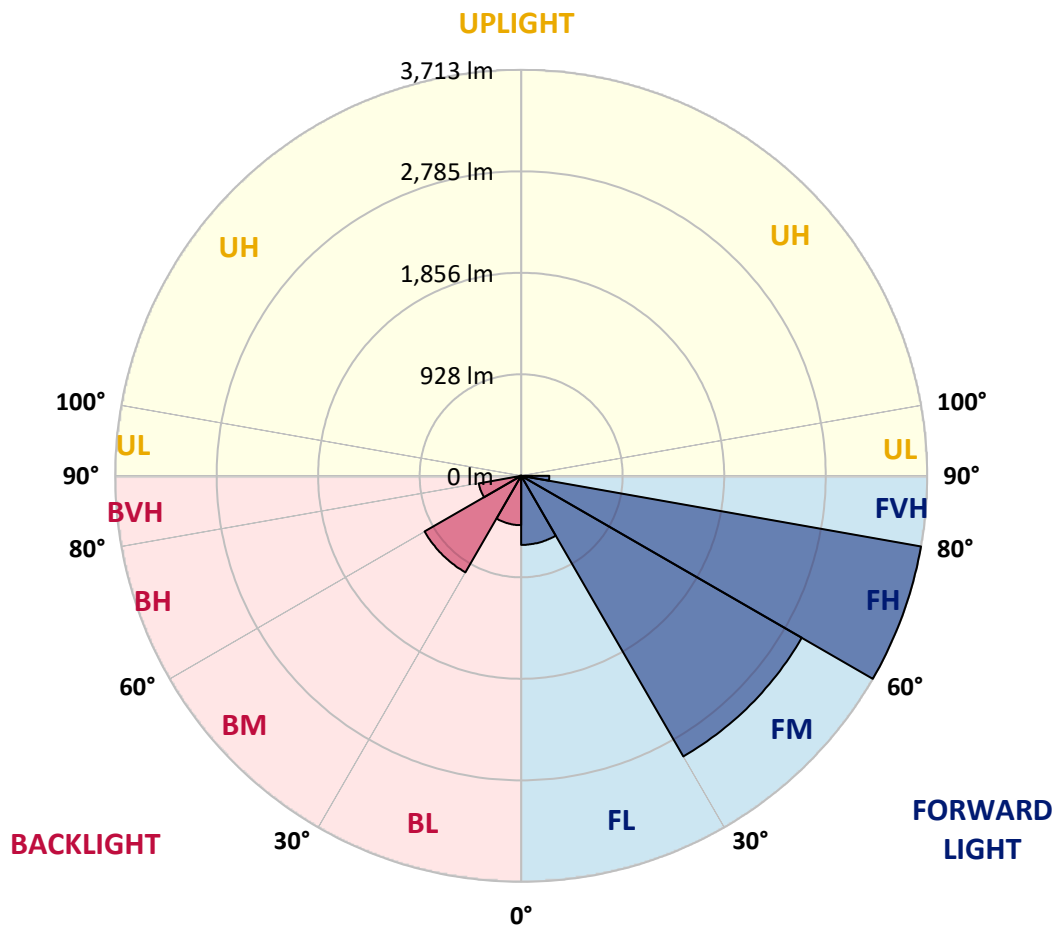
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	631.8	6.7			
FM	(30°-60°)	2963.0	31.4			
FH	(60°-80°)	3712.9	39.3			G2/5000
FVH	(80°-90°)	257.5	2.7			G3/500
BL	(0°-30°)	451.3	4.8	B1/500		
BM	(30°-60°)	1019.6	10.8	B2/2500		
BH	(60°-80°)	393.2	4.2	B1/500		G1/500
BVH	(80°-90°)	12.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4
2.5°	1464.8	1475.9	1500.6	1513.6	1533.8	1535.1	1535.1	1517.5	1516.9	1481.1	1477.2
5°	1637.2	1663.2	1721.8	1782.2	1795.3	1798.5	1792.0	1756.9	1730.9	1661.3	1646.3
7.5°	1808.3	1858.4	1947.5	2028.1	2054.1	2054.1	2038.5	1981.3	1927.9	1827.1	1789.4
10°	1950.1	2013.2	2134.1	2224.6	2254.5	2248.0	2216.1	2143.9	2070.4	1948.1	1898.7
12.5°	2043.7	2114.6	2247.3	2320.2	2350.7	2333.8	2297.4	2227.2	2149.8	2021.0	1965.0
15°	2090.6	2164.7	2279.8	2318.2	2309.8	2292.2	2287.7	2253.8	2195.3	2075.0	2013.8
17.5°	2110.7	2179.7	2259.7	2235.6	2164.1	2150.4	2195.9	2238.9	2224.6	2121.8	2064.5
20°	2129.6	2187.5	2211.5	2104.9	1980.0	1967.6	2054.8	2177.1	2239.5	2165.4	2112.7
22.5°	2155.6	2191.4	2141.9	1967.0	1832.3	1803.7	1900.0	2084.1	2244.1	2220.7	2168.0
25°	2191.4	2201.1	2065.2	1836.2	1700.9	1672.3	1762.1	1980.6	2236.3	2280.5	2235.6
27.5°	2234.3	2214.1	1991.7	1727.0	1596.2	1569.5	1659.3	1881.1	2214.1	2340.3	2308.5
30°	2290.3	2231.1	1918.8	1642.4	1521.4	1501.9	1588.4	1795.3	2186.8	2416.4	2398.9
32.5°	2346.8	2238.2	1851.2	1593.0	1504.5	1511.7	1582.6	1749.1	2156.9	2489.3	2497.7
35°	2408.0	2261.0	1818.0	1641.7	1645.7	1708.1	1737.4	1792.0	2152.4	2588.2	2621.3
37.5°	2491.2	2311.7	1857.7	1884.4	2019.7	2149.1	2125.0	2002.1	2205.0	2735.8	2797.6
40°	2610.9	2400.8	2030.7	2297.4	2575.2	2785.2	2693.5	2383.9	2366.4	2948.5	3040.9
42.5°	2785.2	2542.6	2337.7	2802.2	3273.1	3619.1	3373.3	2876.3	2648.7	3252.3	3370.0
45°	3042.8	2772.2	2709.1	3334.9	4133.6	4678.7	4167.5	3401.2	3044.1	3712.1	3804.5
47.5°	3399.9	3109.8	3057.1	3896.2	5179.6	5884.7	5048.2	3887.8	3494.2	4339.2	4360.7
50°	3874.1	3564.5	3386.9	4510.3	6326.3	7114.0	5928.2	4357.4	4010.1	5105.4	5080.7
52.5°	4499.8	4198.7	3771.3	5095.0	7505.6	8317.4	6812.2	4769.8	4650.1	5994.6	5943.9
55°	5353.2	5152.9	4296.9	5653.1	8684.2	9527.9	7661.7	5158.8	5495.7	7050.9	6743.9
57.5°	6412.2	6555.3	5054.7	6300.3	9743.8	10775.4	8515.1	5702.5	6593.7	8232.2	7208.3
60°	7095.2	8420.1	6505.9	7257.1	10947.8	12186.3	9684.6	6736.8	7747.6	8655.6	7119.9
62.5°	6929.9	9013.4	8243.9	8478.7	12054.9	13212.0	10830.7	7775.5	7964.8	8031.8	6438.2
65°	6423.2	8534.6	7889.4	8716.1	12335.2	13269.9	11137.1	7641.5	6756.3	6557.2	5175.0
67.5°	5726.0	7966.8	7047.0	8086.5	11828.5	12460.8	10566.6	6759.5	5221.2	4920.7	3754.4
70°	4973.4	7338.4	6494.1	7380.1	10862.6	11050.6	9596.8	5945.2	3840.3	3323.2	2409.3
72.5°	4259.2	6684.1	6115.6	6656.1	9574.0	9185.1	8334.3	5225.1	2796.3	2396.9	1712.6
75°	3528.7	5718.8	5576.4	5796.2	7879.6	7235.0	6924.7	4326.2	2194.6	1734.1	1181.9
77.5°	2722.8	4468.6	4796.5	4641.6	5546.4	5374.1	5367.6	3251.0	1603.4	1157.2	740.9
80°	1863.6	3114.4	3747.3	3274.4	3599.6	3511.8	4042.6	2181.0	1163.0	696.6	412.4
82.5°	1095.4	1896.1	2608.3	1585.2	1990.4	2043.1	2407.3	1060.9	684.3	160.7	89.8
85°	444.3	748.7	1019.9	620.5	960.1	809.8	913.9	297.9	190.6	3.9	0.0
87.5°	111.9	239.4	167.8	69.6	111.2	102.1	80.7	36.4	7.8	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4
2.5°	1451.8	1436.9	1399.8	1362.7	1332.8	1292.5	1265.8	1233.9	1203.3	1176.0	1170.8
5°	1605.3	1555.9	1488.2	1426.4	1363.4	1302.2	1241.7	1178.0	1119.4	1083.7	1060.9
7.5°	1730.2	1643.0	1553.3	1474.6	1398.5	1326.9	1246.9	1169.5	1077.8	1029.0	984.8
10°	1823.2	1708.7	1591.0	1500.6	1423.8	1354.2	1286.6	1208.5	1098.0	1036.8	970.5
12.5°	1884.4	1748.4	1610.5	1507.1	1421.2	1367.3	1337.3	1306.8	1196.8	1125.3	1029.0
15°	1926.6	1776.4	1624.2	1492.1	1386.8	1347.1	1377.0	1412.1	1341.9	1259.3	1133.7
17.5°	1972.8	1812.8	1630.0	1451.8	1319.8	1302.9	1380.3	1461.6	1458.3	1376.4	1253.4
20°	2021.6	1844.7	1626.1	1386.8	1238.5	1253.4	1352.3	1446.6	1486.3	1442.1	1332.8
22.5°	2071.7	1875.3	1611.2	1302.2	1162.4	1209.2	1308.1	1390.7	1437.5	1423.8	1340.6
25°	2134.8	1918.2	1589.1	1211.1	1099.3	1164.3	1256.7	1323.7	1356.2	1355.5	1298.3
27.5°	2210.2	1975.4	1577.4	1137.6	1054.4	1113.6	1195.5	1255.4	1278.1	1278.1	1232.6
30°	2298.1	2043.1	1564.3	1089.5	1028.4	1060.9	1124.6	1183.2	1205.9	1205.9	1167.6
32.5°	2395.6	2108.1	1533.1	1060.2	1008.9	1009.5	1049.8	1103.2	1130.5	1134.4	1107.1
35°	2512.7	2177.7	1464.8	1036.8	986.1	959.4	978.9	1023.2	1055.7	1064.1	1047.2
37.5°	2666.2	2262.9	1367.3	1002.4	951.0	906.7	911.3	945.1	980.9	993.9	982.8
40°	2872.4	2363.1	1265.8	952.9	901.5	848.8	846.9	871.6	906.7	921.0	915.2
42.5°	3145.0	2483.4	1168.9	905.4	841.7	787.7	784.4	804.0	834.5	849.5	846.9
45°	3493.6	2631.1	1085.6	868.4	783.1	729.8	728.5	744.8	771.4	787.1	783.8
47.5°	3978.2	2778.7	1029.0	848.8	737.0	682.3	684.9	699.2	723.3	734.4	729.8
50°	4609.8	2823.6	1000.4	848.8	712.2	640.0	653.1	664.8	683.0	689.5	683.6
52.5°	5216.0	2675.3	974.4	854.0	715.5	604.3	632.2	640.7	656.3	658.9	650.5
55°	5513.3	2300.0	938.6	855.3	735.7	573.7	615.3	630.9	636.8	636.1	621.8
57.5°	5411.1	1859.7	878.1	850.1	749.3	554.2	594.5	624.4	628.3	622.5	595.8
60°	5052.7	1369.2	831.9	811.8	744.1	548.3	562.6	610.1	616.0	608.2	564.6
62.5°	4451.7	950.3	796.2	727.2	721.4	546.4	512.6	578.9	593.2	582.2	518.4
65°	3504.7	671.3	685.6	637.4	671.9	536.0	460.5	541.2	560.7	543.8	454.0
67.5°	2371.6	484.6	555.5	577.6	591.9	512.6	422.8	498.2	524.3	502.2	379.2
70°	1280.7	340.2	366.9	486.5	502.8	472.2	389.0	454.7	484.6	460.5	309.0
72.5°	756.5	244.6	256.9	390.9	418.9	415.6	351.2	403.9	440.4	411.7	251.1
75°	416.9	165.2	183.4	283.6	340.2	320.7	301.8	342.1	379.2	351.2	193.8
77.5°	186.7	98.9	127.5	186.0	267.3	219.9	233.5	266.7	301.2	271.9	129.4
80°	72.2	55.3	84.6	101.5	194.5	121.6	150.3	196.4	221.2	197.7	78.7
82.5°	9.1	24.7	36.4	39.7	113.2	64.4	87.2	123.6	121.6	105.4	39.7
85°	0.0	4.6	5.2	2.6	48.8	23.4	28.6	40.3	37.7	28.6	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4
2.5°	1138.9	1115.5	1103.8	1094.1	1103.2	1108.4	1108.4	1130.5	1143.5	1148.7	1185.1
5°	1003.7	960.1	930.8	913.2	919.1	925.6	932.8	960.7	979.6	991.9	1048.5
7.5°	897.0	830.6	789.7	768.2	771.4	776.0	781.8	809.2	828.0	844.3	907.4
10°	844.3	750.6	696.6	670.6	666.1	663.5	661.5	677.8	692.1	705.1	767.5
12.5°	846.9	716.2	650.5	618.6	604.9	589.3	577.0	579.6	588.7	604.9	644.6
15°	880.1	705.1	626.4	586.7	563.9	545.7	530.8	527.5	530.8	533.4	558.1
17.5°	924.9	703.8	605.6	556.1	532.7	517.8	504.1	499.5	500.2	503.5	510.0
20°	960.7	699.9	582.2	526.9	506.1	493.0	479.4	474.8	476.1	476.8	483.9
22.5°	979.6	694.0	556.1	497.6	480.0	467.0	454.7	454.0	454.0	457.9	463.1
25°	979.6	681.7	532.7	469.6	454.0	442.3	427.3	430.0	431.3	436.5	444.3
27.5°	956.2	658.3	513.9	445.6	429.3	417.6	403.9	407.2	409.1	415.0	424.7
30°	926.2	630.3	492.4	422.8	403.9	395.5	383.8	385.1	387.7	394.2	405.2
32.5°	894.4	597.1	474.8	400.0	381.2	374.7	361.7	363.6	366.2	373.4	385.7
35°	859.3	558.1	454.0	379.2	360.4	355.1	340.2	341.5	345.4	353.2	365.6
37.5°	822.2	526.2	433.2	359.1	339.5	334.3	318.7	320.0	324.6	333.7	345.4
40°	785.7	495.0	411.1	337.6	318.1	313.5	296.6	297.9	303.1	312.9	325.2
42.5°	746.1	470.9	382.5	315.5	294.7	290.1	274.5	276.4	282.3	292.1	304.4
45°	698.6	455.3	350.6	294.7	271.2	266.7	252.4	256.3	262.8	272.5	285.5
47.5°	649.8	448.8	323.9	272.5	247.2	243.3	231.6	238.1	245.2	253.0	267.3
50°	603.0	440.4	296.6	251.7	226.4	222.5	214.7	223.1	230.3	237.4	251.1
52.5°	549.6	422.1	271.9	233.5	208.8	207.5	203.6	211.4	217.9	224.4	236.1
55°	494.3	392.9	250.4	217.3	193.8	195.1	193.2	199.7	204.9	210.7	221.2
57.5°	446.2	355.8	233.5	199.7	180.8	184.7	182.1	185.4	188.6	195.8	204.2
60°	397.4	311.6	214.7	178.9	167.8	172.4	165.2	164.6	165.9	167.8	183.4
62.5°	331.7	265.4	191.2	160.7	153.5	155.5	141.8	131.4	131.4	133.3	156.8
65°	266.7	222.5	165.2	139.8	134.0	132.7	113.2	98.9	97.6	103.4	123.6
67.5°	219.2	184.7	139.2	116.4	112.5	113.8	99.5	85.2	83.9	90.4	105.4
70°	181.5	149.0	111.2	89.8	93.7	99.5	85.2	71.6	69.6	75.5	89.8
72.5°	144.4	116.4	85.2	66.3	77.4	84.6	69.6	56.6	55.3	60.5	74.2
75°	106.0	83.3	57.9	48.1	59.8	66.3	50.7	40.3	38.4	42.9	56.6
77.5°	65.7	46.8	36.4	28.6	41.0	44.2	26.7	23.4	22.8	26.0	35.8
80°	30.6	20.2	17.6	9.8	15.0	17.6	11.1	12.4	13.0	15.6	22.1
82.5°	8.5	3.3	0.7	0.0	0.0	5.2	2.6	5.2	6.5	9.8	14.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.3	5.9	10.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.2
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4
2.5°	1212.4	1238.5	1280.1	1323.0	1365.3	1408.2	1449.9	1464.8
5°	1099.9	1159.8	1242.4	1330.8	1421.9	1514.3	1598.8	1637.2
7.5°	974.4	1060.2	1184.5	1323.0	1468.1	1613.1	1746.5	1808.3
10°	840.4	949.0	1090.8	1278.1	1486.3	1686.6	1870.1	1950.1
12.5°	712.9	826.7	983.5	1207.9	1472.0	1728.9	1949.4	2043.7
15°	606.2	707.0	876.2	1124.6	1425.8	1731.5	1987.1	2090.6
17.5°	526.2	591.9	766.9	1032.3	1365.3	1707.4	2000.1	2110.7
20°	486.5	504.8	625.1	913.9	1308.7	1684.7	2013.2	2129.6
22.5°	463.1	467.7	511.3	761.0	1241.1	1677.5	2035.9	2155.6
25°	444.3	445.6	457.3	603.0	1137.6	1673.0	2071.0	2191.4
27.5°	425.4	425.4	431.9	485.9	997.1	1653.5	2116.6	2234.3
30°	406.5	406.5	411.1	430.0	832.6	1615.1	2171.2	2290.3
32.5°	387.0	387.0	390.9	404.6	664.8	1566.9	2221.3	2346.8
35°	367.5	366.2	371.4	385.7	528.8	1505.8	2271.4	2408.0
37.5°	346.7	346.0	351.2	367.5	456.6	1434.9	2309.1	2491.2
40°	324.6	324.6	330.4	348.0	435.8	1345.8	2369.0	2610.9
42.5°	304.4	303.1	309.6	331.1	420.2	1260.6	2476.3	2785.2
45°	284.9	282.3	288.2	314.8	392.9	1230.7	2676.6	3042.8
47.5°	266.7	260.2	265.4	295.3	368.2	1342.5	3004.5	3399.9
50°	251.7	239.4	243.9	275.8	349.3	1585.2	3429.9	3874.1
52.5°	236.1	219.9	222.5	251.7	332.4	1816.1	3891.0	4499.8
55°	219.9	201.6	202.9	227.7	308.3	1850.5	4341.1	5353.2
57.5°	201.6	184.7	184.7	205.5	290.8	1604.0	4687.2	6412.2
60°	181.5	170.4	167.2	188.0	306.4	1131.8	4727.5	7095.2
62.5°	159.4	153.5	149.0	171.1	318.1	670.6	4402.9	6929.9
65°	134.0	132.7	129.4	188.0	268.0	396.1	3779.8	6423.2
67.5°	112.5	110.6	110.6	197.1	203.6	249.1	2953.1	5726.0
70°	96.9	89.8	89.8	149.0	123.6	172.4	2061.9	4973.4
72.5°	81.3	73.5	68.3	119.0	92.4	126.2	1288.6	4259.2
75°	65.0	59.2	52.7	78.7	68.9	95.6	748.7	3528.7
77.5°	46.8	44.2	37.1	57.9	50.1	68.9	445.6	2722.8
80°	24.1	24.7	23.4	33.2	33.8	46.8	253.7	1863.6
82.5°	14.3	11.1	12.4	16.3	19.5	26.7	95.6	1095.4
85°	9.1	5.9	5.9	7.8	9.8	10.4	29.3	444.3
87.5°	4.6	2.0	2.6	3.9	3.3	2.6	1.3	111.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)