

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: P947695

Luminaire Tested: **GALN-SB3A-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947695
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-SB3A-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA 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: 8485 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 84.7
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

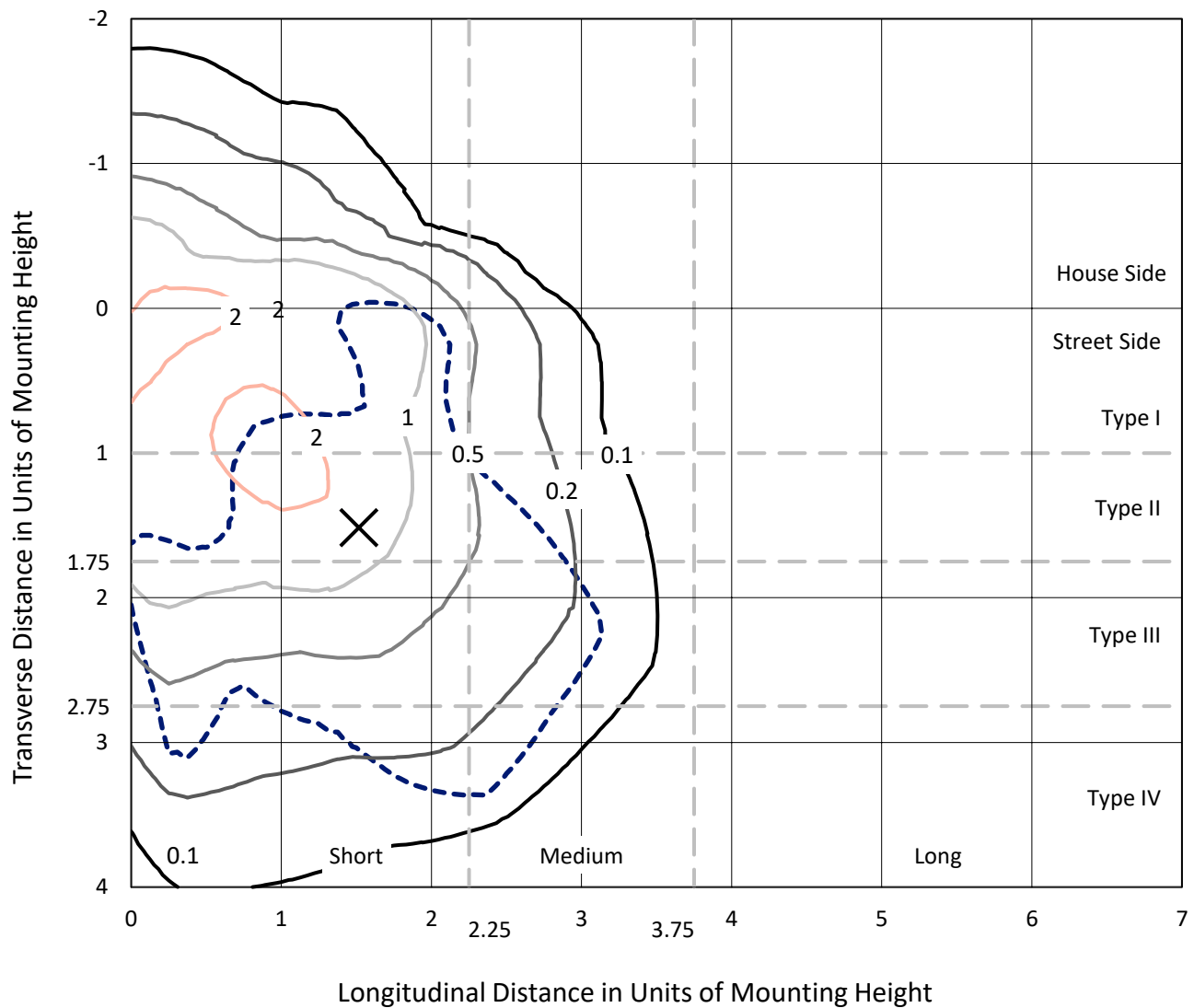


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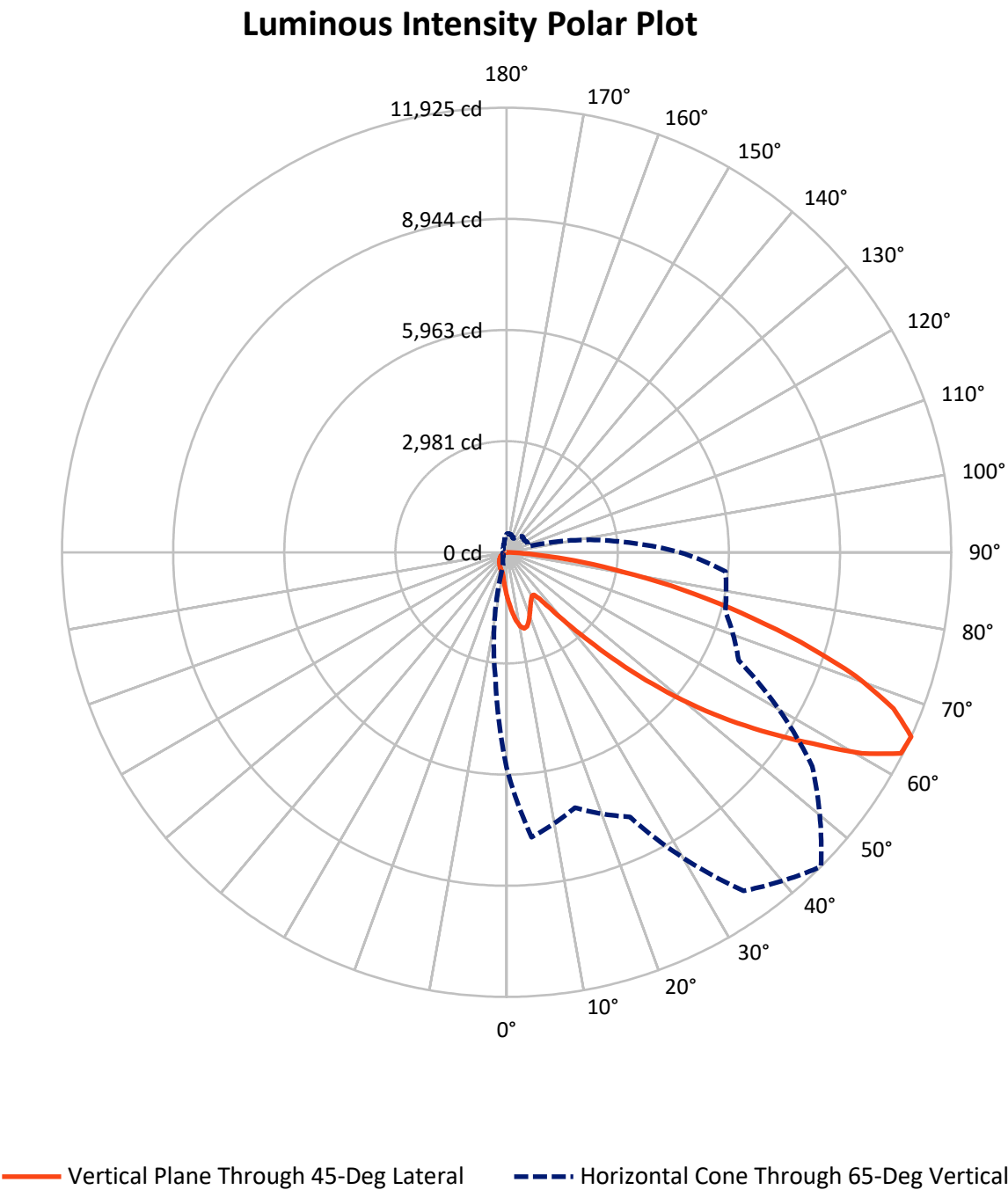
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
Type IV - Short - N/A

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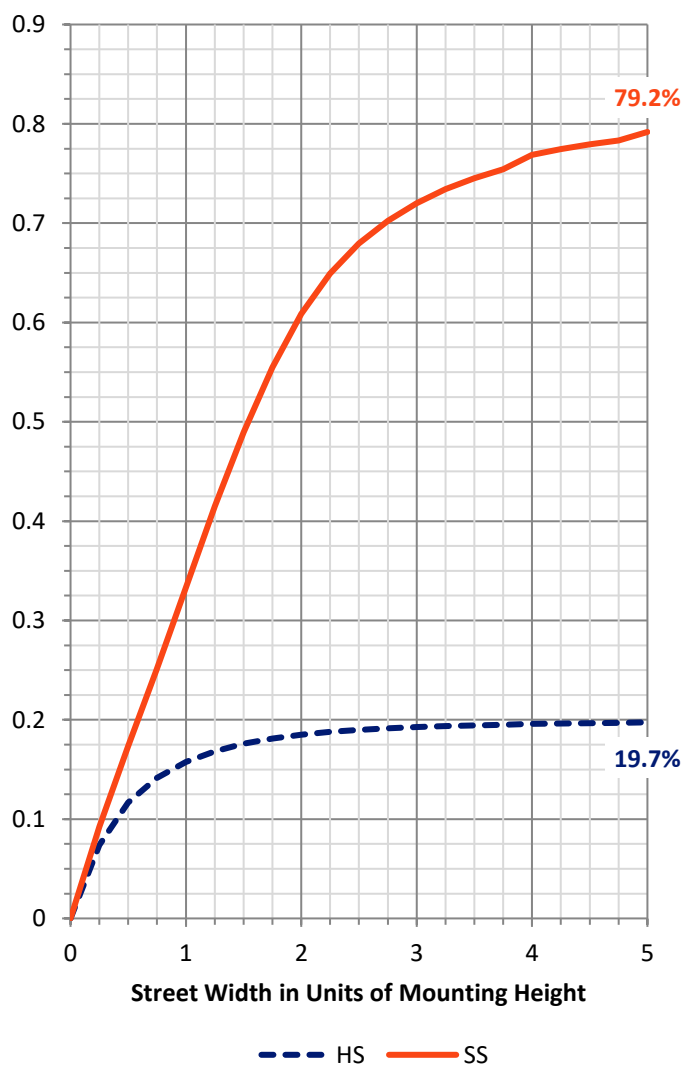
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1686.6	0.0	1686.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	6798.4	0.0	6798.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	8485.0	0.0	8485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	1.4
10°-20°	346.8	4.1
20°-30°	510.8	6.0
30°-40°	656.3	7.7
40°-50°	1061.4	12.5
50°-60°	1861.3	21.9
60°-70°	2329.0	27.4
70°-80°	1361.0	16.0
80°-90°	242.8	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°	8485.0	100.0
0°-180°	8485.0	100.0

Coefficient of Utilization



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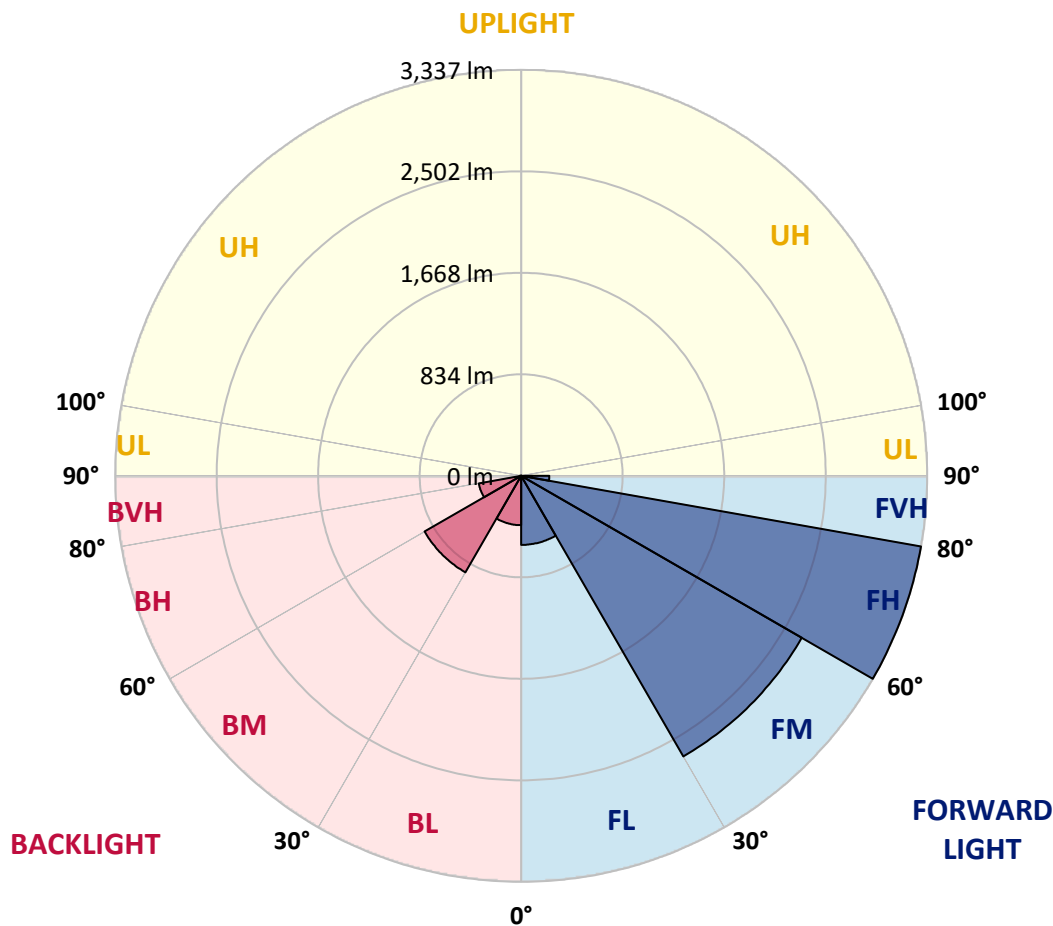
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	567.7	6.7			
FM	(30°-60°)	2662.7	31.4			
FH	(60°-80°)	3336.6	39.3			G2/5000
FVH	(80°-90°)	231.4	2.7			G3/500
BL	(0°-30°)	405.5	4.8	B1/500		
BM	(30°-60°)	916.3	10.8	B1/1000		
BH	(60°-80°)	353.4	4.2	B1/500		G1/500
BVH	(80°-90°)	11.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9
2.5°	1316.4	1326.3	1348.5	1360.2	1378.3	1379.5	1379.5	1363.7	1363.1	1331.0	1327.5
5°	1471.3	1494.6	1547.2	1601.6	1613.3	1616.2	1610.4	1578.8	1555.4	1492.9	1479.4
7.5°	1625.0	1670.0	1750.1	1822.6	1845.9	1845.9	1831.9	1780.5	1732.5	1641.9	1608.0
10°	1752.4	1809.1	1917.8	1999.1	2026.0	2020.1	1991.5	1926.6	1860.6	1750.7	1706.2
12.5°	1836.6	1900.3	2019.5	2085.0	2112.5	2097.3	2064.6	2001.4	1931.9	1816.1	1765.9
15°	1878.7	1945.3	2048.8	2083.3	2075.7	2059.9	2055.8	2025.4	1972.8	1864.6	1809.7
17.5°	1896.8	1958.8	2030.6	2009.0	1944.7	1932.4	1973.4	2011.9	1999.1	1906.7	1855.3
20°	1913.7	1965.8	1987.4	1891.5	1779.3	1768.2	1846.5	1956.4	2012.5	1945.9	1898.5
22.5°	1937.1	1969.3	1924.9	1767.6	1646.6	1620.9	1707.4	1872.8	2016.6	1995.6	1948.2
25°	1969.3	1978.0	1855.9	1650.1	1528.5	1502.8	1583.5	1779.9	2009.6	2049.4	2009.0
27.5°	2007.9	1989.7	1789.8	1551.9	1434.4	1410.5	1491.1	1690.5	1989.7	2103.1	2074.5
30°	2058.1	2004.9	1724.4	1475.9	1367.2	1349.7	1427.4	1613.3	1965.2	2171.5	2155.7
32.5°	2109.0	2011.4	1663.6	1431.5	1352.0	1358.4	1422.2	1571.8	1938.3	2237.0	2244.6
35°	2163.9	2031.8	1633.8	1475.3	1478.9	1535.0	1561.3	1610.4	1934.2	2325.8	2355.6
37.5°	2238.7	2077.4	1669.4	1693.4	1815.0	1931.3	1909.7	1799.2	1981.5	2458.5	2514.1
40°	2346.3	2157.5	1824.9	2064.6	2314.1	2502.9	2420.5	2142.3	2126.5	2649.7	2732.7
42.5°	2502.9	2284.9	2100.8	2518.1	2941.3	3252.3	3031.4	2584.8	2380.2	2922.6	3028.4
45°	2734.4	2491.3	2434.6	2996.9	3714.7	4204.5	3745.1	3056.5	2735.6	3335.9	3418.9
47.5°	3055.3	2794.6	2747.3	3501.3	4654.6	5288.2	4536.5	3493.7	3140.1	3899.4	3918.7
50°	3481.4	3203.2	3043.6	4053.1	5685.1	6393.0	5327.4	3915.8	3603.6	4588.0	4565.7
52.5°	4043.8	3773.1	3389.1	4578.6	6744.9	7474.4	6121.8	4286.3	4178.8	5387.0	5341.4
55°	4810.7	4630.6	3861.4	5080.1	7804.0	8562.2	6885.2	4635.9	4938.7	6336.3	6060.4
57.5°	5762.3	5890.9	4542.4	5661.7	8756.2	9683.3	7652.1	5124.6	5925.4	7397.8	6477.7
60°	6376.0	7566.7	5846.4	6521.6	9838.2	10951.1	8703.0	6054.0	6962.3	7778.3	6398.2
62.5°	6227.6	8099.8	7408.3	7619.3	10833.1	11872.9	9733.0	6987.4	7157.5	7217.8	5785.7
65°	5772.2	7669.6	7089.7	7832.7	11085.0	11925.0	10008.3	6867.0	6071.5	5892.6	4650.5
67.5°	5145.6	7159.3	6332.8	7266.9	10629.6	11197.8	9495.7	6074.4	4692.0	4422.0	3373.9
70°	4469.3	6594.6	5835.9	6632.1	9761.6	9930.5	8624.1	5342.6	3451.1	2986.4	2165.1
72.5°	3827.5	6006.6	5495.7	5981.5	8603.7	8254.1	7489.6	4695.5	2512.9	2154.0	1539.1
75°	3171.1	5139.2	5011.2	5208.7	7081.0	6501.7	6222.9	3887.7	1972.2	1558.4	1062.1
77.5°	2446.8	4015.7	4310.3	4171.2	4984.3	4829.4	4823.5	2921.5	1440.9	1039.9	665.8
80°	1674.7	2798.7	3367.5	2942.5	3234.8	3155.9	3632.8	1959.9	1045.1	626.0	370.6
82.5°	984.3	1703.9	2344.0	1424.5	1788.7	1836.0	2163.3	953.4	614.9	144.4	80.7
85°	399.2	672.8	916.5	557.6	862.8	727.7	821.3	267.7	171.3	3.5	0.0
87.5°	100.5	215.1	150.8	62.5	100.0	91.8	72.5	32.7	7.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9
2.5°	1304.7	1291.2	1257.9	1224.6	1197.7	1161.5	1137.5	1108.8	1081.4	1056.8	1052.2
5°	1442.6	1398.2	1337.4	1281.9	1225.2	1170.2	1115.9	1058.6	1006.0	973.8	953.4
7.5°	1554.8	1476.5	1395.9	1325.1	1256.7	1192.4	1120.5	1051.0	968.6	924.7	885.0
10°	1638.4	1535.6	1429.8	1348.5	1279.5	1217.0	1156.2	1086.1	986.7	931.7	872.1
12.5°	1693.4	1571.2	1447.3	1354.4	1277.2	1228.7	1201.8	1174.3	1075.5	1011.2	924.7
15°	1731.4	1596.3	1459.6	1340.9	1246.2	1210.6	1237.4	1269.0	1205.9	1131.6	1018.8
17.5°	1772.9	1629.1	1464.8	1304.7	1186.0	1170.8	1240.4	1313.4	1310.5	1236.9	1126.4
20°	1816.7	1657.7	1461.3	1246.2	1112.9	1126.4	1215.2	1300.0	1335.6	1295.9	1197.7
22.5°	1861.7	1685.2	1447.9	1170.2	1044.6	1086.6	1175.5	1249.7	1291.8	1279.5	1204.7
25°	1918.4	1723.8	1428.0	1088.4	987.9	1046.3	1129.3	1189.5	1218.7	1218.2	1166.7
27.5°	1986.2	1775.2	1417.5	1022.3	947.5	1000.7	1074.4	1128.1	1148.6	1148.6	1107.7
30°	2065.1	1836.0	1405.8	979.1	924.1	953.4	1010.6	1063.3	1083.7	1083.7	1049.2
32.5°	2152.8	1894.5	1377.7	952.8	906.6	907.2	943.4	991.4	1015.9	1019.4	994.9
35°	2258.0	1957.0	1316.4	931.7	886.1	862.2	879.7	919.5	948.7	956.3	941.1
37.5°	2396.0	2033.6	1228.7	900.8	854.6	814.8	818.9	849.3	881.5	893.2	883.2
40°	2581.3	2123.6	1137.5	856.3	810.2	762.8	761.1	783.3	814.8	827.7	822.4
42.5°	2826.2	2231.7	1050.4	813.7	756.4	707.9	704.9	722.5	749.9	763.4	761.1
45°	3139.5	2364.4	975.6	780.3	703.8	655.8	654.7	669.3	693.3	707.3	704.4
47.5°	3575.0	2497.1	924.7	762.8	662.3	613.2	615.5	628.4	650.0	659.9	655.8
50°	4142.5	2537.4	899.0	762.8	640.1	575.2	586.9	597.4	613.8	619.6	614.3
52.5°	4687.3	2404.2	875.6	767.5	643.0	543.0	568.2	575.8	589.8	592.1	584.5
55°	4954.5	2066.9	843.5	768.7	661.1	515.6	553.0	567.0	572.3	571.7	558.8
57.5°	4862.7	1671.2	789.1	764.0	673.4	498.0	534.3	561.1	564.7	559.4	535.4
60°	4540.6	1230.4	747.6	729.5	668.7	492.8	505.6	548.3	553.5	546.5	507.4
62.5°	4000.5	854.0	715.5	653.5	648.2	491.0	460.6	520.2	533.1	523.2	465.9
65°	3149.4	603.2	616.1	572.8	603.8	481.7	413.8	486.3	503.9	488.7	408.0
67.5°	2131.2	435.5	499.2	519.1	531.9	460.6	379.9	447.7	471.1	451.3	340.8
70°	1150.9	305.7	329.7	437.2	451.8	424.4	349.5	408.6	435.5	413.8	277.7
72.5°	679.8	219.8	230.9	351.3	376.4	373.5	315.6	363.0	395.7	370.0	225.6
75°	374.7	148.5	164.8	254.9	305.7	288.2	271.2	307.5	340.8	315.6	174.2
77.5°	167.8	88.8	114.6	167.2	240.2	197.6	209.8	239.7	270.6	244.3	116.3
80°	64.9	49.7	76.0	91.2	174.8	109.3	135.0	176.5	198.7	177.7	70.7
82.5°	8.2	22.2	32.7	35.7	101.7	57.9	78.3	111.1	109.3	94.7	35.7
85°	0.0	4.1	4.7	2.3	43.8	21.0	25.7	36.2	33.9	25.7	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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°	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9
2.5°	1023.5	1002.5	991.9	983.2	991.4	996.0	996.0	1015.9	1027.6	1032.3	1065.0
5°	901.9	862.8	836.5	820.7	825.9	831.8	838.2	863.3	880.3	891.4	942.3
7.5°	806.1	746.4	709.6	690.3	693.3	697.3	702.6	727.2	744.1	758.7	815.4
10°	758.7	674.5	626.0	602.6	598.6	596.2	594.5	609.1	621.9	633.6	689.7
12.5°	761.1	643.6	584.5	555.9	543.6	529.6	518.5	520.8	529.0	543.6	579.3
15°	790.9	633.6	562.9	527.2	506.8	490.4	477.0	474.1	477.0	479.3	501.5
17.5°	831.2	632.5	544.2	499.8	478.7	465.3	453.0	448.9	449.5	452.4	458.3
20°	863.3	629.0	523.2	473.5	454.8	443.1	430.8	426.7	427.9	428.5	434.9
22.5°	880.3	623.7	499.8	447.2	431.4	419.7	408.6	408.0	408.0	411.5	416.2
25°	880.3	612.6	478.7	422.0	408.0	397.5	384.0	386.4	387.5	392.2	399.2
27.5°	859.3	591.5	461.8	400.4	385.8	375.3	363.0	365.9	367.7	372.9	381.7
30°	832.4	566.4	442.5	379.9	363.0	355.4	344.9	346.0	348.4	354.2	364.2
32.5°	803.7	536.6	426.7	359.5	342.5	336.7	325.0	326.8	329.1	335.5	346.6
35°	772.2	501.5	408.0	340.8	323.8	319.2	305.7	306.9	310.4	317.4	328.5
37.5°	738.8	472.9	389.3	322.7	305.1	300.4	286.4	287.6	291.7	299.9	310.4
40°	706.1	444.8	369.4	303.4	285.8	281.7	266.5	267.7	272.4	281.2	292.3
42.5°	670.5	423.2	343.7	283.5	264.8	260.7	246.7	248.4	253.7	262.5	273.6
45°	627.8	409.2	315.1	264.8	243.7	239.7	226.8	230.3	236.1	244.9	256.6
47.5°	583.9	403.3	291.1	244.9	222.1	218.6	208.1	213.9	220.4	227.4	240.2
50°	541.9	395.7	266.5	226.2	203.4	199.9	192.9	200.5	206.9	213.4	225.6
52.5°	493.9	379.4	244.3	209.8	187.6	186.5	183.0	190.0	195.8	201.7	212.2
55°	444.2	353.1	225.0	195.2	174.2	175.4	173.6	179.5	184.1	189.4	198.7
57.5°	401.0	319.7	209.8	179.5	162.5	166.0	163.7	166.6	169.5	175.9	183.5
60°	357.1	280.0	192.9	160.7	150.8	154.9	148.5	147.9	149.1	150.8	164.8
62.5°	298.1	238.5	171.9	144.4	137.9	139.7	127.4	118.1	118.1	119.8	140.9
65°	239.7	199.9	148.5	125.7	120.4	119.2	101.7	88.8	87.7	92.9	111.1
67.5°	197.0	166.0	125.1	104.6	101.1	102.3	89.4	76.6	75.4	81.2	94.7
70°	163.1	133.9	100.0	80.7	84.2	89.4	76.6	64.3	62.5	67.8	80.7
72.5°	129.8	104.6	76.6	59.6	69.6	76.0	62.5	50.9	49.7	54.4	66.6
75°	95.3	74.8	52.0	43.3	53.8	59.6	45.6	36.2	34.5	38.6	50.9
77.5°	59.0	42.1	32.7	25.7	36.8	39.7	24.0	21.0	20.5	23.4	32.1
80°	27.5	18.1	15.8	8.8	13.4	15.8	9.9	11.1	11.7	14.0	19.9
82.5°	7.6	2.9	0.6	0.0	0.0	4.7	2.3	4.7	5.8	8.8	12.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.9	5.3	9.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.7
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°	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9	1174.9
2.5°	1089.6	1112.9	1150.4	1188.9	1226.9	1265.5	1302.9	1316.4
5°	988.4	1042.2	1116.4	1195.9	1277.8	1360.8	1436.8	1471.3
7.5°	875.6	952.8	1064.4	1188.9	1319.3	1449.6	1569.5	1625.0
10°	755.2	852.8	980.3	1148.6	1335.6	1515.7	1680.5	1752.4
12.5°	640.6	742.9	883.8	1085.5	1322.8	1553.7	1751.8	1836.6
15°	544.8	635.4	787.4	1010.6	1281.3	1556.0	1785.7	1878.7
17.5°	472.9	531.9	689.2	927.6	1226.9	1534.4	1797.4	1896.8
20°	437.2	453.6	561.7	821.3	1176.1	1513.9	1809.1	1913.7
22.5°	416.2	420.3	459.4	683.9	1115.3	1507.5	1829.6	1937.1
25°	399.2	400.4	410.9	541.9	1022.3	1503.4	1861.1	1969.3
27.5°	382.3	382.3	388.1	436.6	896.1	1485.9	1902.1	2007.9
30°	365.3	365.3	369.4	386.4	748.2	1451.4	1951.2	2058.1
32.5°	347.8	347.8	351.3	363.6	597.4	1408.1	1996.2	2109.0
35°	330.3	329.1	333.8	346.6	475.2	1353.2	2041.2	2163.9
37.5°	311.6	311.0	315.6	330.3	410.3	1289.5	2075.1	2238.7
40°	291.7	291.7	296.9	312.7	391.6	1209.4	2128.9	2346.3
42.5°	273.6	272.4	278.2	297.5	377.6	1132.8	2225.3	2502.9
45°	256.0	253.7	258.9	282.9	353.1	1105.9	2405.3	2734.4
47.5°	239.7	233.8	238.5	265.4	330.8	1206.5	2699.9	3055.3
50°	226.2	215.1	219.2	247.8	313.9	1424.5	3082.2	3481.4
52.5°	212.2	197.6	199.9	226.2	298.7	1632.0	3496.6	4043.8
55°	197.6	181.2	182.4	204.6	277.1	1663.0	3901.1	4810.7
57.5°	181.2	166.0	166.0	184.7	261.3	1441.4	4212.1	5762.3
60°	163.1	153.1	150.2	168.9	275.3	1017.1	4248.3	6376.0
62.5°	143.2	137.9	133.9	153.7	285.8	602.6	3956.7	6227.6
65°	120.4	119.2	116.3	168.9	240.8	356.0	3396.7	5772.2
67.5°	101.1	99.4	99.4	177.1	183.0	223.9	2653.8	5145.6
70°	87.1	80.7	80.7	133.9	111.1	154.9	1853.0	4469.3
72.5°	73.1	66.1	61.4	107.0	83.0	113.4	1157.9	3827.5
75°	58.5	53.2	47.3	70.7	62.0	85.9	672.8	3171.1
77.5°	42.1	39.7	33.3	52.0	45.0	62.0	400.4	2446.8
80°	21.6	22.2	21.0	29.8	30.4	42.1	228.0	1674.7
82.5°	12.9	9.9	11.1	14.6	17.5	24.0	85.9	984.3
85°	8.2	5.3	5.3	7.0	8.8	9.4	26.3	399.2
87.5°	4.1	1.8	2.3	3.5	2.9	2.3	1.2	100.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)