Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1203103

Luminaire Tested: GWC-SB2B-827-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203103
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9771 lumens
Efficiency:	N/A
Efficacy:	132.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

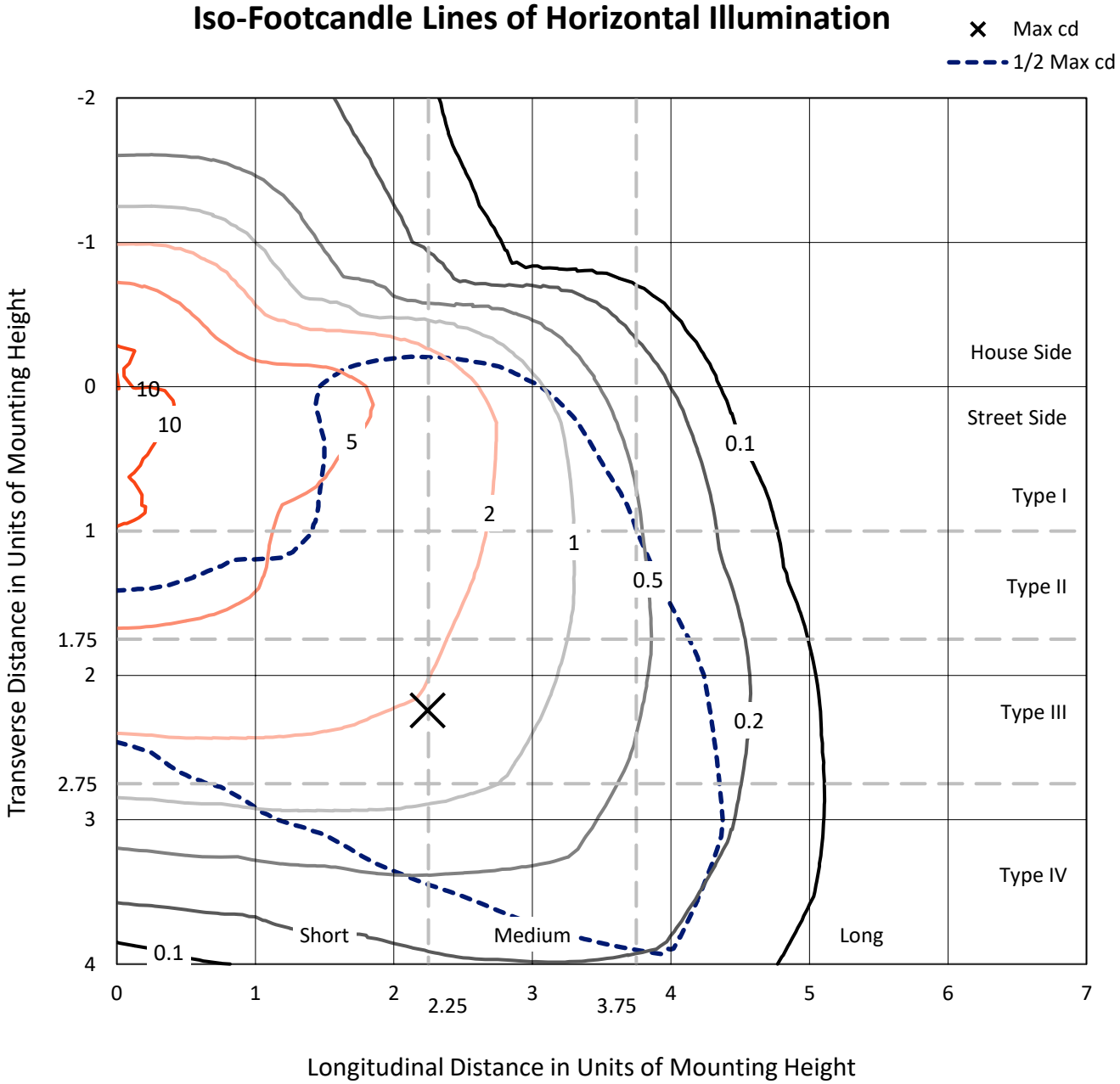


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Iso-Footcandle Lines of Horizontal Illumination



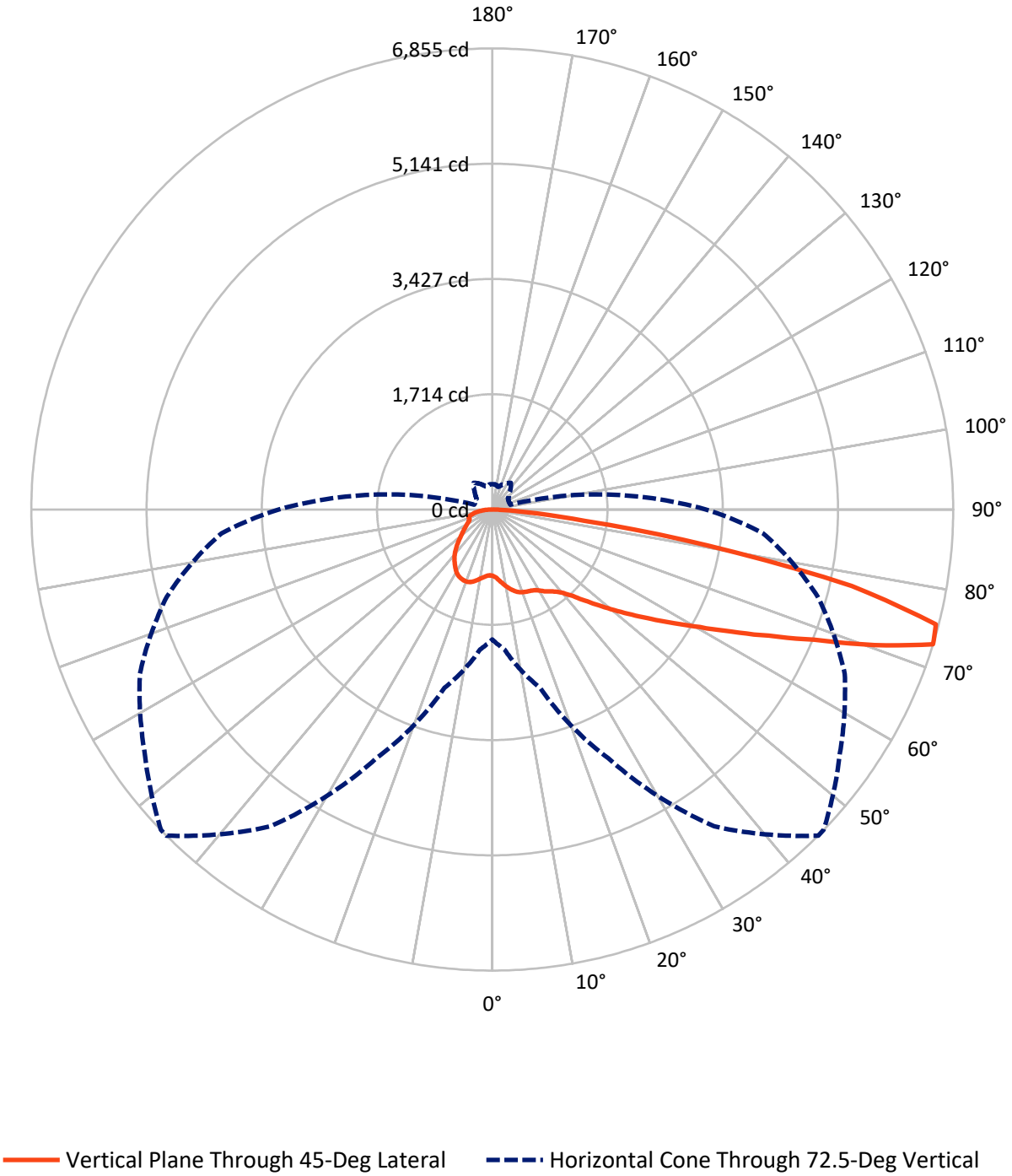
Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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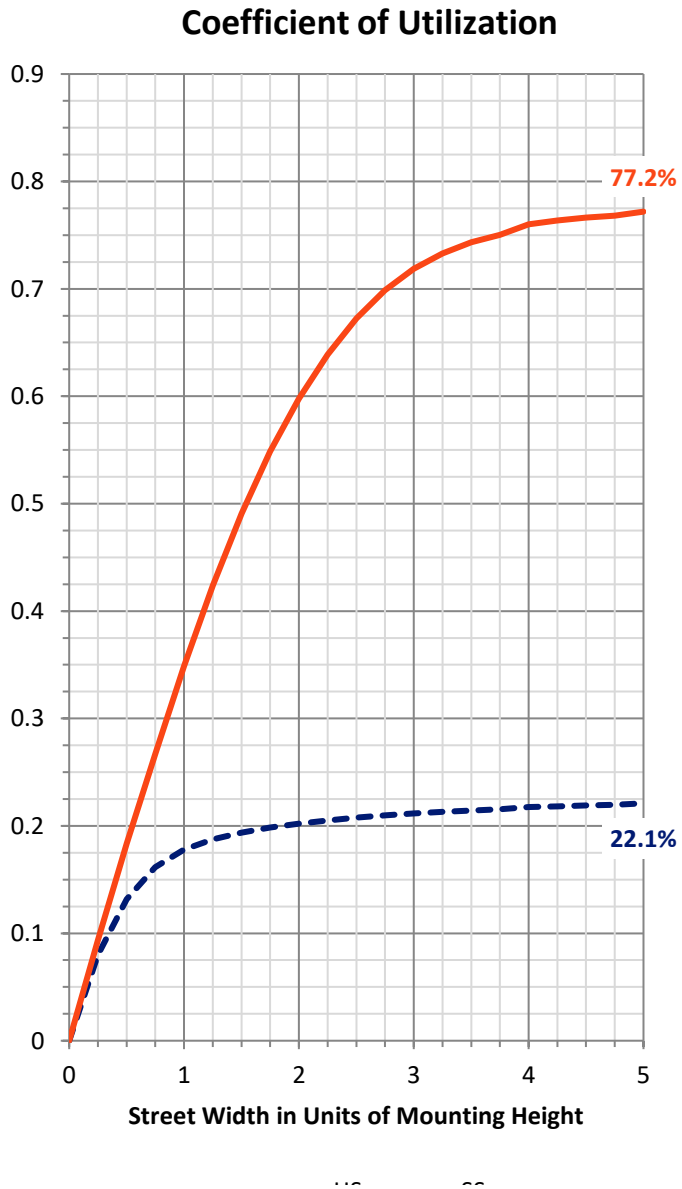
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2208.9	0.0	2208.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7562.1	0.0	7562.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	9771.0	0.0	9771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.0
10°-20°	334.5	3.4
20°-30°	581.9	6.0
30°-40°	834.1	8.5
40°-50°	1174.5	12.0
50°-60°	1799.0	18.4
60°-70°	2606.2	26.7
70°-80°	2081.2	21.3
80°-90°	259.2	2.7
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°	9771.0	100.0
0°-180°	9771.0	100.0



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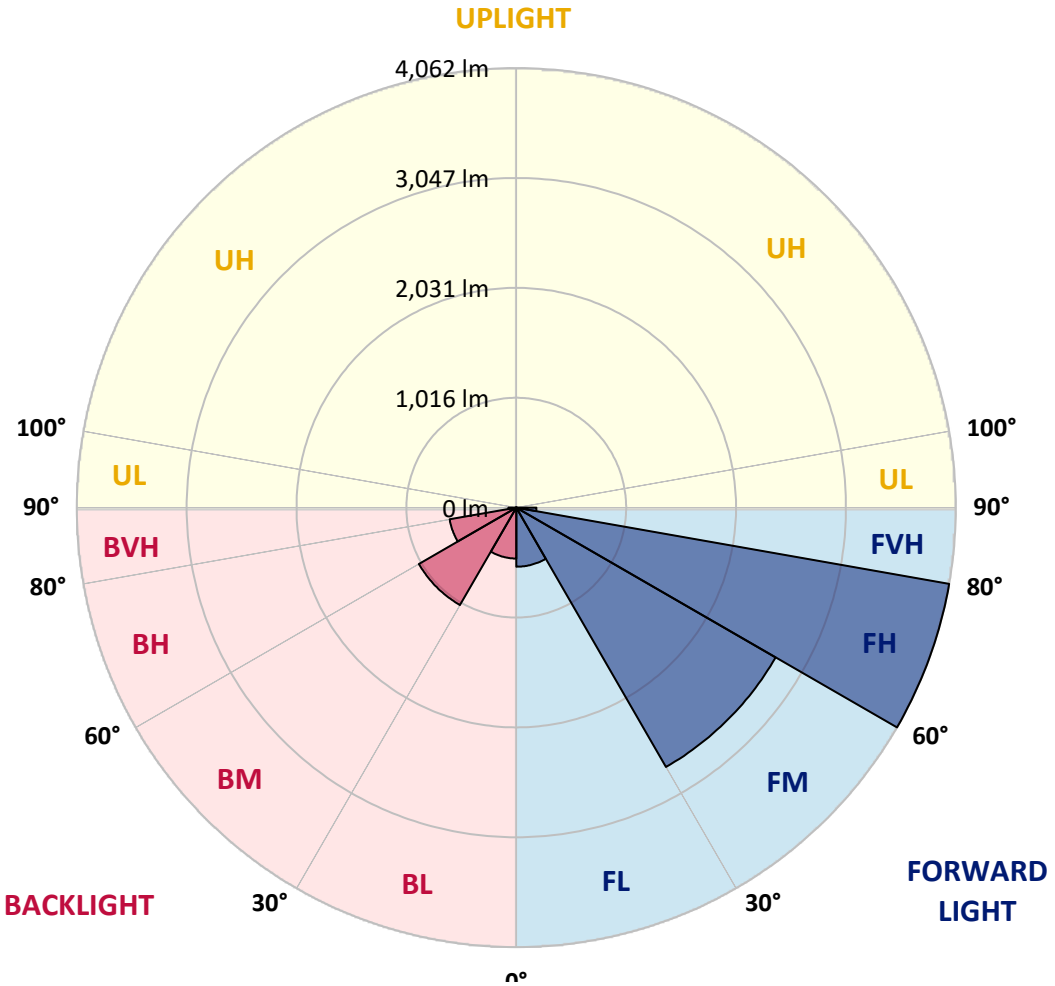
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	546.4	5.6			
FM	(30°-60°)	2767.7	28.3			
FH	(60°-80°)	4062.1	41.6			G2/5000
FVH	(80°-90°)	186.0	1.9			G2/225
BL	(0°-30°)	470.3	4.8	B1/500		
BM	(30°-60°)	1040.1	10.6	B2/2500		
BH	(60°-80°)	625.3	6.4	B2/1000		G2/1000
BVH	(80°-90°)	73.2	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	985.7	985.7	985.7	985.7	985.7	*985.7*	985.7	985.7	985.7	985.7	985.7
2.5°	1024.3	1031.0	1024.8	1019.2	1016.6	*1009.9*	1009.4	1005.3	1002.7	995.5	993.4
5°	1095.9	1104.6	1094.3	1083.0	1072.7	*1056.2*	1054.2	1042.3	1028.9	1013.5	1004.7
7.5°	1176.7	1184.4	1172.5	1155.6	1137.5	*1110.3*	1109.8	1088.1	1067.0	1040.8	1025.9
10°	1247.2	1257.5	1241.5	1218.4	1195.7	*1164.8*	1161.2	1136.5	1109.8	1075.8	1053.1
12.5°	1309.5	1316.7	1301.2	1272.9	1246.7	*1215.8*	1211.2	1183.9	1154.0	1115.4	1086.6
15°	1358.9	1368.1	1347.6	1317.2	1289.4	*1259.0*	1254.9	1230.2	1200.3	1159.7	1122.6
17.5°	1391.3	1399.0	1377.9	1344.0	1317.2	*1292.0*	1288.9	1268.3	1242.0	1200.9	1161.2
20°	1403.7	1411.9	1389.8	1355.3	1330.6	*1311.0*	1309.5	1294.5	1276.5	1238.9	1198.8
22.5°	1416.0	1423.7	1394.9	1358.9	1337.3	*1324.9*	1324.4	1314.6	1307.4	1276.5	1237.4
25°	1465.9	1468.0	1429.4	1377.4	1346.5	*1335.7*	1335.2	1334.7	1337.8	1313.6	1279.1
27.5°	1509.2	1508.7	1475.7	1426.8	1379.0	*1356.3*	1355.8	1360.9	1370.7	1350.6	1322.3
30°	1572.5	1566.8	1527.7	1476.8	1433.0	*1398.0*	1394.9	1390.3	1398.0	1382.0	1365.6
32.5°	1706.8	1688.8	1625.5	1534.9	1477.8	*1451.0*	1446.9	1418.1	1421.2	1411.4	1403.1
35°	1899.3	1875.7	1791.3	1645.1	1533.4	*1495.3*	1493.2	1456.7	1450.5	1441.8	1444.8
37.5°	2128.4	2099.1	2000.7	1804.6	1629.1	*1546.8*	1543.7	1510.7	1485.5	1476.2	1493.7
40°	2358.5	2321.4	2240.1	1999.2	1770.1	*1632.7*	1622.9	1573.0	1544.2	1528.7	1565.8
42.5°	2581.9	2551.0	2481.5	2217.4	1944.1	*1758.3*	1736.7	1651.2	1629.6	1615.2	1682.1
45°	2779.5	2751.7	2700.8	2450.6	2148.0	*1929.2*	1908.1	1768.6	1761.9	1761.9	1858.7
47.5°	2940.1	2933.9	2879.9	2688.4	2388.3	*2123.8*	2087.2	1931.8	1949.8	1977.6	2109.4
50°	3118.2	3101.2	3043.6	2922.6	2670.9	*2346.6*	2316.8	2132.0	2199.4	2275.6	2471.7
52.5°	3281.9	3291.2	3226.8	3166.6	2990.1	*2595.3*	2542.8	2368.3	2513.9	2640.0	2896.4
55°	3450.2	3450.7	3432.7	3424.5	3324.6	*2870.1*	2812.5	2652.4	2884.0	3040.5	3391.5
57.5°	3608.2	3609.3	3636.0	3708.6	3712.7	*3187.2*	3121.8	3001.4	3295.3	3454.9	3902.2
60°	3749.3	3756.5	3829.6	3999.4	4054.0	*3550.6*	3488.8	3413.7	3720.5	3881.0	4439.0
62.5°	3796.6	3822.9	3985.5	4226.9	4391.1	*3996.3*	3935.6	3890.8	4167.2	4316.5	4887.9
65°	3716.3	3776.6	4091.1	4414.8	4738.1	*4526.0*	4465.8	4416.9	4631.5	4772.0	5256.4
67.5°	3519.2	3596.9	4084.9	4612.0	5159.1	*5163.2*	5107.1	4992.3	5129.3	5183.3	5376.3
70°	2999.8	3116.2	3725.1	4685.6	5642.4	*6034.7*	5980.6	5685.2	5626.0	5364.5	5038.7
72.5°	*1932.8*	*2089.3*	*2743.0*	*4079.7*	*5750.0*	*6854.6*	*6851.5*	*6310.6*	*5783.0*	*5012.4*	*4041.1*
75°	705.2	800.9	1274.5	2560.8	4826.6	*6812.9*	6833.0	6203.5	5279.0	3871.8	2517.5
77.5°	256.8	281.0	415.9	984.2	2968.4	*5466.4*	5508.1	4959.4	3757.5	1943.1	997.5
80°	134.9	148.2	213.1	381.9	1271.9	*3246.4*	3311.8	2947.3	1766.0	585.2	299.1
82.5°	74.6	80.8	119.4	207.4	572.9	*1388.2*	1427.3	1164.3	621.3	248.1	123.5
85°	40.1	42.7	56.1	113.2	280.0	*481.3*	492.1	348.0	247.6	145.7	59.7
87.5°	11.8	14.4	18.5	36.0	109.6	*108.1*	110.7	69.0	97.8	73.6	19.6
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°	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7
2.5°	990.3	988.8	983.1	980.6	977.5	977.0	979.5	980.0	980.6	981.1	983.1
5°	999.6	994.5	989.3	986.2	987.2	987.8	992.9	996.5	999.1	1001.1	1002.2
7.5°	1017.6	1013.5	1004.7	1004.2	1005.8	1010.4	1017.1	1025.3	1030.0	1033.6	1034.6
10°	1044.4	1036.7	1026.4	1027.9	1031.0	1037.7	1051.6	1058.3	1066.0	1072.7	1071.1
12.5°	1071.7	1065.0	1053.1	1054.2	1059.3	1071.1	1084.5	1092.8	1097.9	1103.1	1105.1
15°	1107.2	1095.3	1082.5	1082.5	1091.7	1104.6	1110.8	1117.5	1120.6	1126.2	1128.3
17.5°	1143.7	1128.3	1111.3	1110.3	1121.6	1127.8	1131.4	1132.4	1133.4	1139.6	1141.7
20°	1180.3	1163.3	1139.1	1137.0	1139.6	1138.6	1138.1	1137.0	1138.6	1146.3	1149.4
22.5°	1216.3	1196.7	1163.3	1154.0	1146.8	1137.0	1136.5	1136.0	1137.0	1144.8	1149.9
25°	1258.5	1234.8	1190.1	1162.3	1138.1	1124.7	1126.2	1126.7	1127.8	1133.9	1142.2
27.5°	1304.3	1278.1	1214.8	1159.7	1115.9	1106.7	1104.1	1105.6	1109.2	1119.0	1128.8
30°	1350.1	1319.2	1237.4	1149.4	1088.1	1075.3	1067.0	1070.6	1082.0	1091.7	1102.5
32.5°	1391.8	1360.9	1255.4	1126.7	1052.6	1032.5	1021.7	1026.4	1037.7	1041.3	1054.2
35°	1440.7	1405.7	1263.1	1090.7	1014.0	983.1	968.7	962.0	967.7	964.1	975.4
37.5°	1495.3	1458.7	1262.1	1043.4	968.7	933.2	913.1	887.9	876.1	863.7	871.4
40°	1576.1	1523.6	1249.8	986.2	912.6	880.2	844.2	801.4	774.7	750.5	752.0
42.5°	1686.2	1613.7	1227.1	923.4	849.3	818.9	770.0	720.1	677.9	637.7	634.1
45°	1850.4	1731.5	1198.8	856.5	780.8	751.0	698.0	641.9	594.0	542.5	536.3
47.5°	2087.2	1890.1	1172.0	780.3	708.8	681.5	633.6	581.6	525.0	475.1	469.4
50°	2412.5	2117.6	1147.3	706.2	637.7	617.2	579.1	526.1	468.9	428.8	426.2
52.5°	2826.4	2426.9	1137.0	634.7	571.3	563.6	533.3	483.8	429.8	395.8	393.3
55°	3301.5	2797.0	1137.0	566.2	513.2	515.8	494.7	448.8	402.0	371.6	368.5
57.5°	3786.3	3171.8	1116.4	502.9	463.8	474.6	461.2	421.0	378.8	347.4	342.3
60°	4233.1	3485.7	1033.1	445.2	420.0	437.0	428.3	393.8	342.3	316.0	311.9
62.5°	4576.4	3662.8	872.5	399.4	384.0	403.5	398.9	357.7	335.6	324.8	321.2
65°	4748.4	3634.0	667.1	358.8	353.6	384.0	374.2	372.7	355.2	342.8	338.7
67.5°	4642.8	3385.9	483.8	328.9	336.1	366.0	403.5	409.7	377.3	353.1	349.0
70°	4180.1	2937.0	360.3	300.6	314.0	366.5	460.2	428.8	370.1	341.8	337.1
72.5°	*3180.0*	*2190.2*	*279.5*	*270.7*	*285.2*	*369.1*	*485.4*	*420.0*	*349.5*	*377.8*	*374.7*
75°	1818.5	1202.4	224.4	234.2	249.1	344.9	472.5	397.4	333.5	346.9	346.9
77.5°	693.3	462.2	185.3	198.2	200.2	301.1	451.9	395.8	317.6	309.9	282.6
80°	240.4	180.7	153.4	157.5	154.9	267.7	433.4	344.4	259.9	232.7	224.9
82.5°	98.3	90.1	121.5	116.3	110.2	208.0	350.0	281.6	212.6	187.9	185.8
85°	42.7	57.1	80.3	70.5	63.8	144.1	280.5	238.3	179.6	154.9	154.4
87.5°	8.8	21.6	34.0	31.9	32.9	96.3	199.2	169.3	127.1	95.2	74.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)