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

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: P1202641

Luminaire Tested: GWC-SB2A-735-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202641
	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-SB2A-735-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8951 lumens
Efficiency:	N/A
Efficacy:	156.2 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):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

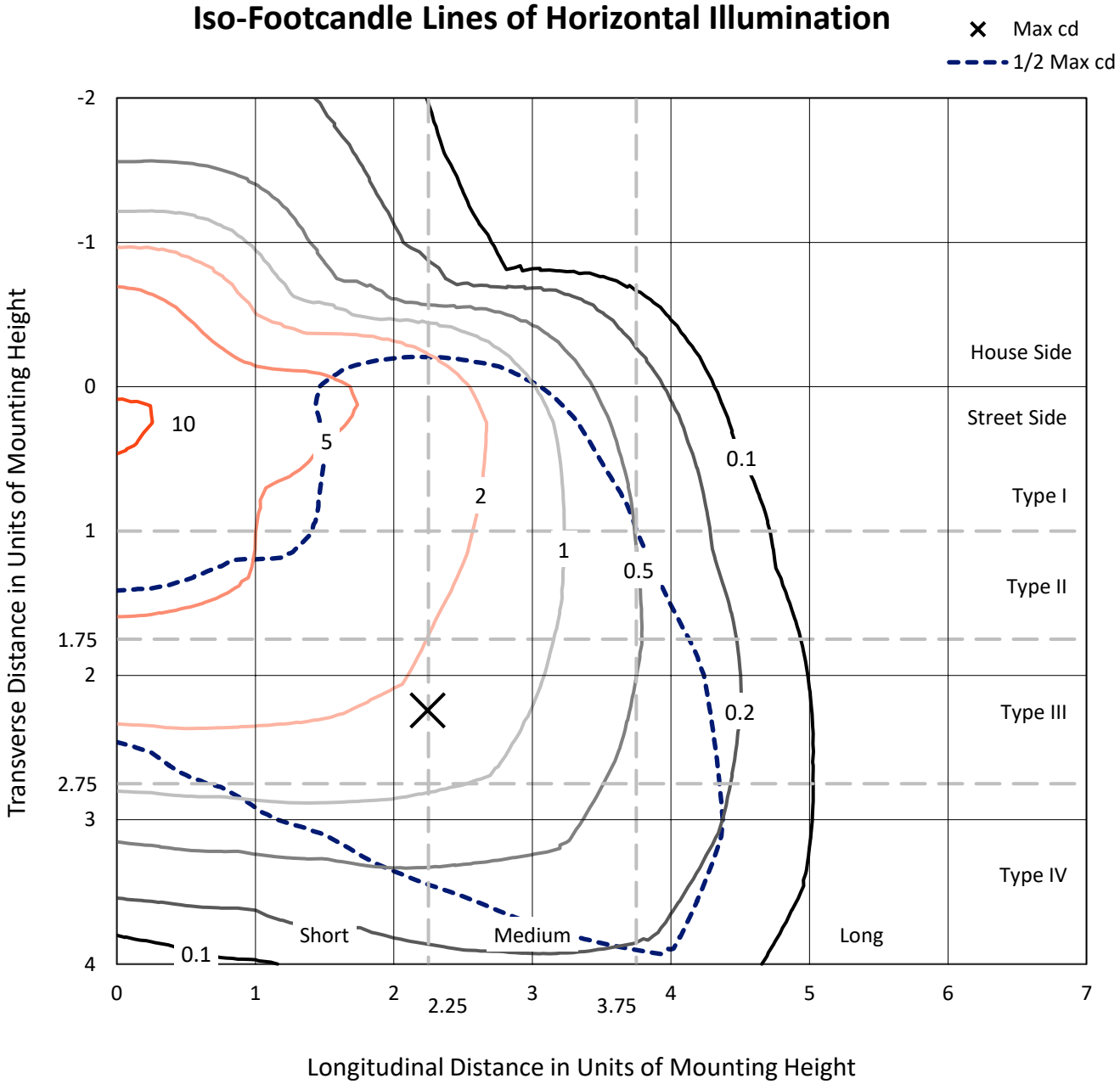


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Iso-Footcandle Lines of Horizontal Illumination



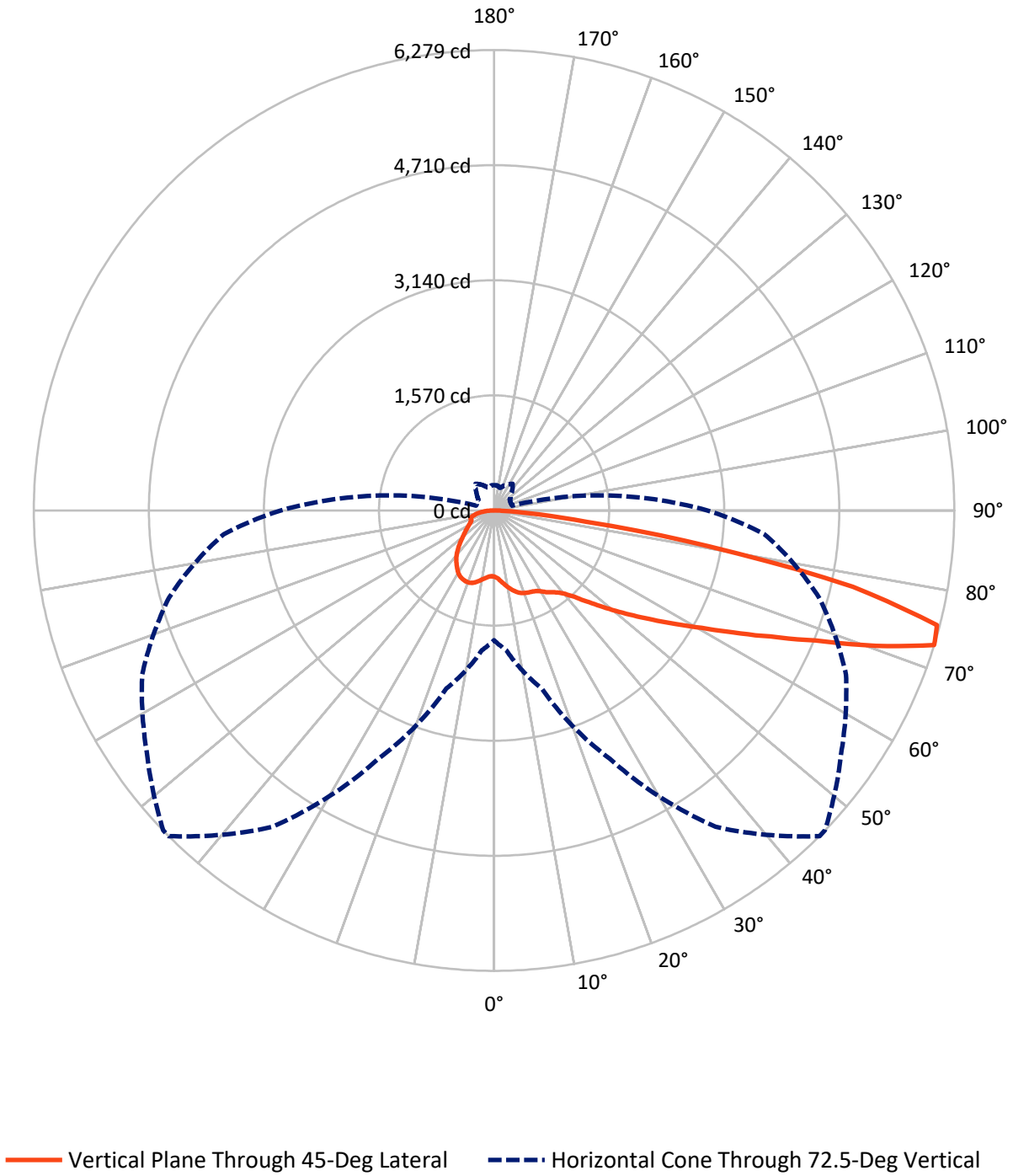
Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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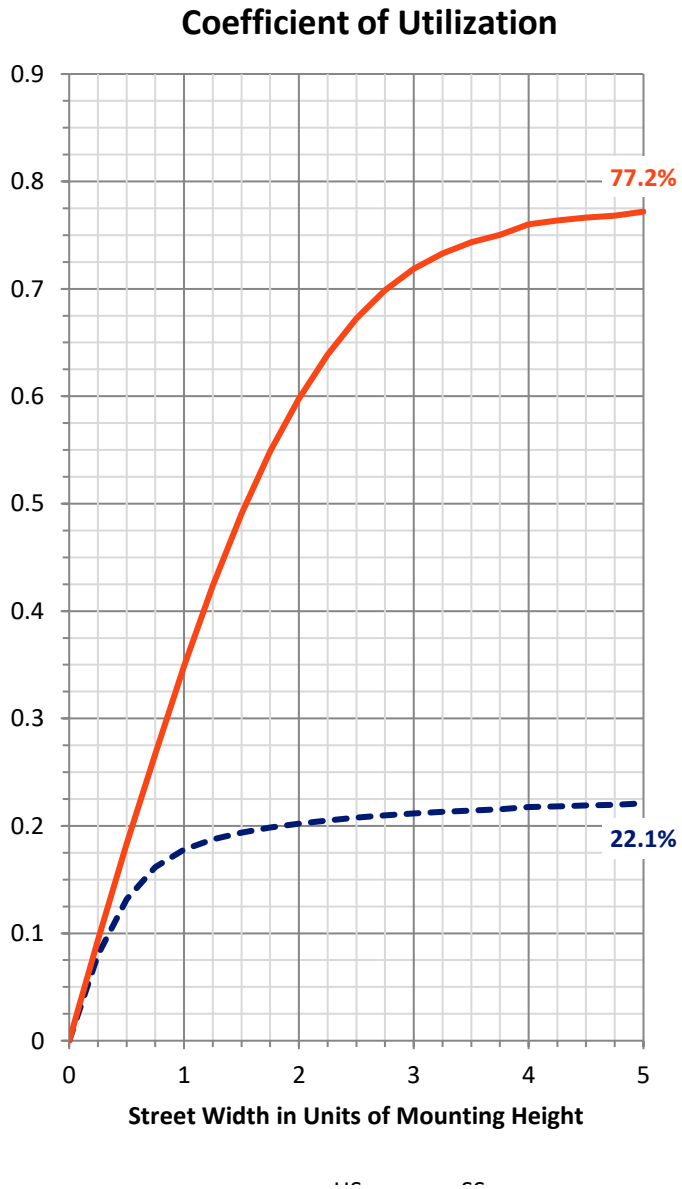
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2023.5	0.0	2023.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6927.5	0.0	6927.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	8951.0	0.0	8951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	1.0
10°-20°	306.4	3.4
20°-30°	533.0	6.0
30°-40°	764.1	8.5
40°-50°	1076.0	12.0
50°-60°	1648.1	18.4
60°-70°	2387.5	26.7
70°-80°	1906.5	21.3
80°-90°	237.4	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°	8951.0	100.0
0°-180°	8951.0	100.0



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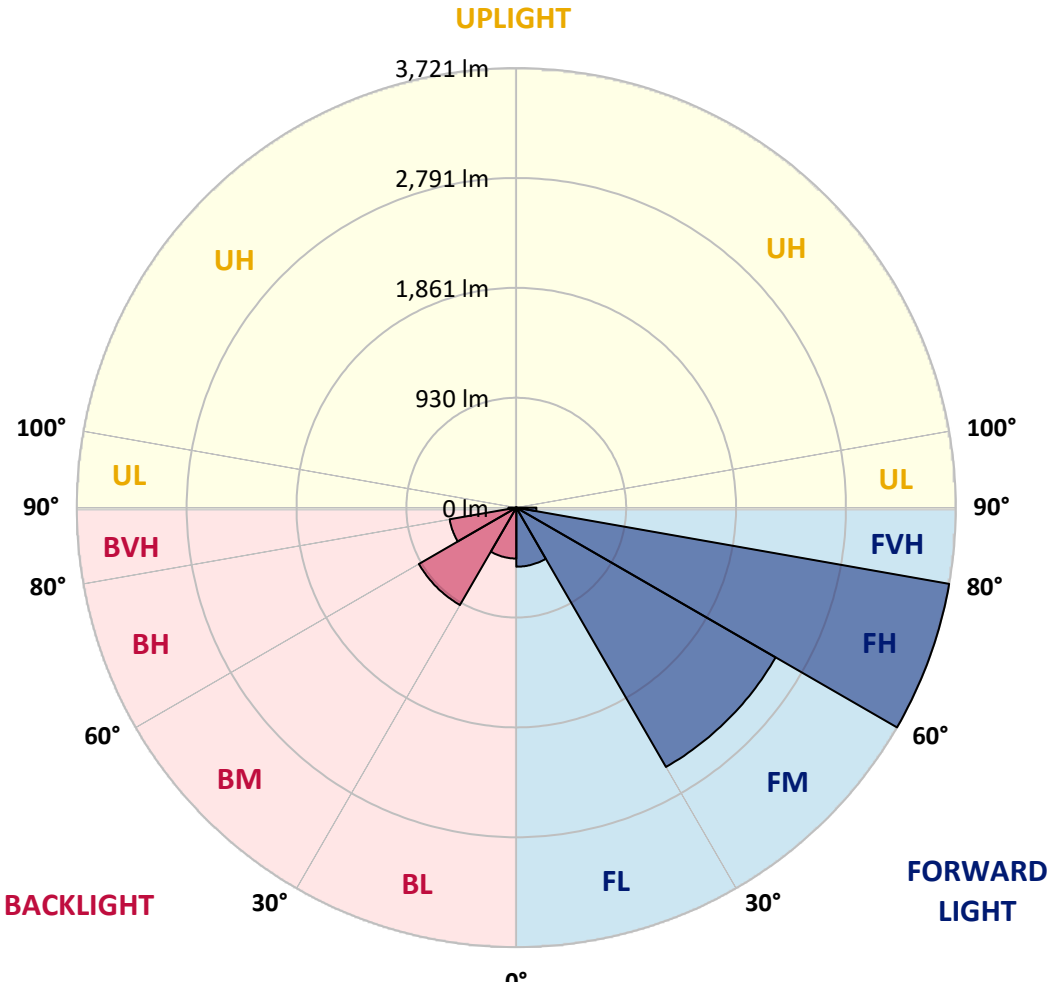
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	500.6	5.6			
FM	(30°-60°)	2535.4	28.3			
FH	(60°-80°)	3721.2	41.6			G2/5000
FVH	(80°-90°)	170.3	1.9			G2/225
BL	(0°-30°)	430.8	4.8	B1/500		
BM	(30°-60°)	952.8	10.6	B1/1000		
BH	(60°-80°)	572.8	6.4	B2/1000		G2/1000
BVH	(80°-90°)	67.1	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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	938.3	944.5	938.8	933.6	931.3	925.1	924.7	920.9	918.5	911.9	910.1
5°	1003.9	1011.9	1002.5	992.1	982.7	967.6	965.7	954.9	942.6	928.4	920.4
7.5°	1077.9	1085.0	1074.1	1058.6	1042.1	1017.1	1016.6	996.8	977.5	953.4	939.8
10°	1142.5	1151.9	1137.3	1116.1	1095.4	1067.1	1063.8	1041.1	1016.6	985.5	964.8
12.5°	1199.6	1206.2	1192.0	1166.1	1142.0	1113.8	1109.5	1084.5	1057.2	1021.8	995.4
15°	1244.8	1253.3	1234.5	1206.6	1181.2	1153.4	1149.6	1127.0	1099.6	1062.4	1028.4
17.5°	1274.5	1281.6	1262.3	1231.2	1206.6	1183.5	1180.7	1161.9	1137.8	1100.1	1063.8
20°	1285.9	1293.4	1273.1	1241.5	1218.9	1201.0	1199.6	1185.9	1169.4	1135.0	1098.2
22.5°	1297.2	1304.3	1277.8	1244.8	1225.0	1213.7	1213.2	1204.3	1197.7	1169.4	1133.6
25°	1342.9	1344.8	1309.4	1261.8	1233.5	1223.6	1223.2	1222.7	1225.5	1203.3	1171.8
27.5°	1382.5	1382.1	1351.9	1307.1	1263.2	1242.5	1242.0	1246.7	1255.7	1237.3	1211.4
30°	1440.5	1435.3	1399.5	1352.8	1312.7	1280.7	1277.8	1273.6	1280.7	1266.1	1251.0
32.5°	1563.6	1547.1	1489.1	1406.1	1353.8	1329.2	1325.5	1299.1	1301.9	1292.9	1285.4
35°	1739.9	1718.3	1640.9	1507.0	1404.7	1369.8	1367.9	1334.4	1328.8	1320.8	1323.6
37.5°	1949.8	1922.9	1832.8	1653.2	1492.4	1417.0	1414.1	1383.9	1360.8	1352.4	1368.4
40°	2160.6	2126.6	2052.1	1831.4	1621.6	1495.7	1486.7	1441.0	1414.6	1400.4	1434.4
42.5°	2365.2	2336.9	2273.3	2031.4	1781.0	1610.7	1590.9	1512.7	1492.9	1479.7	1541.0
45°	2546.3	2520.8	2474.1	2245.0	1967.7	1767.3	1748.0	1620.2	1614.1	1614.1	1702.7
47.5°	2693.4	2687.7	2638.2	2462.8	2187.9	1945.5	1912.1	1769.7	1786.2	1811.6	1932.3
50°	2856.5	2841.0	2788.2	2677.4	2446.8	2149.7	2122.4	1953.1	2014.9	2084.6	2264.3
52.5°	3006.5	3015.0	2956.0	2900.9	2739.1	2377.5	2329.4	2169.5	2303.0	2418.5	2653.3
55°	3160.7	3161.1	3144.6	3137.1	3045.6	2629.3	2576.4	2429.8	2642.0	2785.3	3106.9
57.5°	3305.4	3306.4	3330.9	3397.4	3401.2	2919.7	2859.8	2749.5	3018.7	3164.9	3574.7
60°	3434.6	3441.2	3508.2	3663.8	3713.8	3252.6	3196.0	3127.2	3408.2	3555.3	4066.5
62.5°	3478.0	3502.1	3651.1	3872.2	4022.6	3661.0	3605.3	3564.3	3817.5	3954.3	4477.7
65°	3404.5	3459.6	3747.7	4044.3	4340.4	4146.2	4091.0	4046.2	4242.8	4371.6	4815.3
67.5°	3223.9	3295.1	3742.1	4224.9	4726.2	4729.9	4678.5	4573.4	4698.8	4748.3	4925.1
70°	2748.1	2854.6	3412.5	4292.3	5168.9	5528.2	5478.7	5208.1	5153.8	4914.3	4615.8
72.5°	1770.6	1913.9	2512.8	3737.4	5267.5	6279.4	6276.5	5781.0	5297.6	4591.8	3702.0
75°	646.0	733.7	1167.5	2345.9	4421.5	6241.2	6259.6	5682.9	4836.0	3546.9	2306.3
77.5°	235.3	257.5	381.0	901.6	2719.3	5007.7	5045.9	4543.2	3442.2	1780.0	913.8
80°	123.5	135.8	195.2	349.9	1165.2	2973.9	3033.8	2700.0	1617.8	536.1	274.0
82.5°	68.4	74.0	109.4	190.0	524.8	1271.7	1307.6	1066.6	569.1	227.3	113.2
85°	36.8	39.1	51.4	103.7	256.5	440.9	450.8	318.8	226.8	133.4	54.7
87.5°	10.8	13.2	17.0	33.0	100.4	99.0	101.4	63.2	89.6	67.4	17.9
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°	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0	903.0
2.5°	907.2	905.8	900.6	898.3	895.4	895.0	897.3	897.8	898.3	898.7	900.6
5°	915.7	911.0	906.3	903.5	904.4	904.9	909.6	912.9	915.2	917.1	918.1
7.5°	932.2	928.4	920.4	920.0	921.4	925.6	931.7	939.3	943.5	946.8	947.8
10°	956.7	949.7	940.2	941.6	944.5	950.6	963.3	969.5	976.5	982.7	981.3
12.5°	981.7	975.6	964.8	965.7	970.4	981.3	993.5	1001.1	1005.8	1010.5	1012.4
15°	1014.3	1003.4	991.6	991.6	1000.1	1011.9	1017.6	1023.7	1026.5	1031.7	1033.6
17.5°	1047.7	1033.6	1018.0	1017.1	1027.5	1033.1	1036.4	1037.4	1038.3	1044.0	1045.9
20°	1081.2	1065.7	1043.5	1041.6	1044.0	1043.0	1042.6	1041.6	1043.0	1050.1	1052.9
22.5°	1114.2	1096.3	1065.7	1057.2	1050.6	1041.6	1041.1	1040.7	1041.6	1048.7	1053.4
25°	1152.9	1131.2	1090.2	1064.7	1042.6	1030.3	1031.7	1032.2	1033.1	1038.8	1046.3
27.5°	1194.9	1170.8	1112.8	1062.4	1022.3	1013.8	1011.4	1012.8	1016.1	1025.1	1034.1
30°	1236.8	1208.5	1133.6	1052.9	996.8	985.0	977.5	980.8	991.2	1000.1	1010.0
32.5°	1275.0	1246.7	1150.1	1032.2	964.3	945.9	936.0	940.2	950.6	953.9	965.7
35°	1319.8	1287.8	1157.1	999.2	928.9	900.6	887.4	881.3	886.5	883.2	893.6
37.5°	1369.8	1336.3	1156.2	955.8	887.4	854.9	836.5	813.4	802.5	791.2	798.3
40°	1443.8	1395.7	1144.9	903.5	836.0	806.3	773.3	734.2	709.7	687.5	688.9
42.5°	1544.7	1478.2	1124.1	845.9	778.0	750.2	705.4	659.7	621.0	584.2	580.9
45°	1695.2	1586.2	1098.2	784.6	715.3	688.0	639.4	588.0	544.1	497.0	491.3
47.5°	1912.1	1731.5	1073.7	714.8	649.3	624.3	580.5	532.8	481.0	435.2	430.0
50°	2210.1	1939.9	1051.0	646.9	584.2	565.4	530.5	481.9	429.6	392.8	390.4
52.5°	2589.2	2223.3	1041.6	581.4	523.4	516.3	488.5	443.2	393.7	362.6	360.2
55°	3024.4	2562.3	1041.6	518.7	470.1	472.5	453.1	411.2	368.3	340.4	337.6
57.5°	3468.6	2905.6	1022.8	460.7	424.8	434.8	422.5	385.7	347.0	318.3	313.6
60°	3877.9	3193.2	946.4	407.9	384.8	400.3	392.3	360.7	313.6	289.5	285.7
62.5°	4192.4	3355.4	799.2	365.9	351.8	369.7	365.4	327.7	307.4	297.5	294.2
65°	4349.9	3329.0	611.1	328.7	323.9	351.8	342.8	341.4	325.4	314.0	310.3
67.5°	4253.2	3101.7	443.2	301.3	307.9	335.3	369.7	375.3	345.6	323.5	319.7
70°	3829.3	2690.6	330.1	275.4	287.6	335.7	421.5	392.8	339.0	313.1	308.9
72.5°	*2913.1*	*2006.4*	*256.0*	*248.0*	*261.2*	*338.1*	*444.7*	*384.8*	*320.2*	*346.1*	*343.3*
75°	1665.9	1101.5	205.6	214.5	228.2	315.9	432.9	364.0	305.6	317.8	317.8
77.5°	635.2	423.4	169.8	181.5	183.4	275.8	414.0	362.6	290.9	283.9	258.9
80°	220.2	165.5	140.5	144.3	141.9	245.2	397.0	315.5	238.1	213.1	206.1
82.5°	90.1	82.5	111.3	106.6	100.9	190.5	320.6	257.9	194.7	172.1	170.2
85°	39.1	52.3	73.6	64.6	58.5	132.0	257.0	218.3	164.6	141.9	141.5
87.5°	8.0	19.8	31.1	29.2	30.2	88.2	182.5	155.1	116.5	87.2	68.4
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)