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: P1203002

Luminaire Tested: GWC-SB2B-735-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203002
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-735-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7859 lumens
Efficiency:	N/A
Efficacy:	106.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

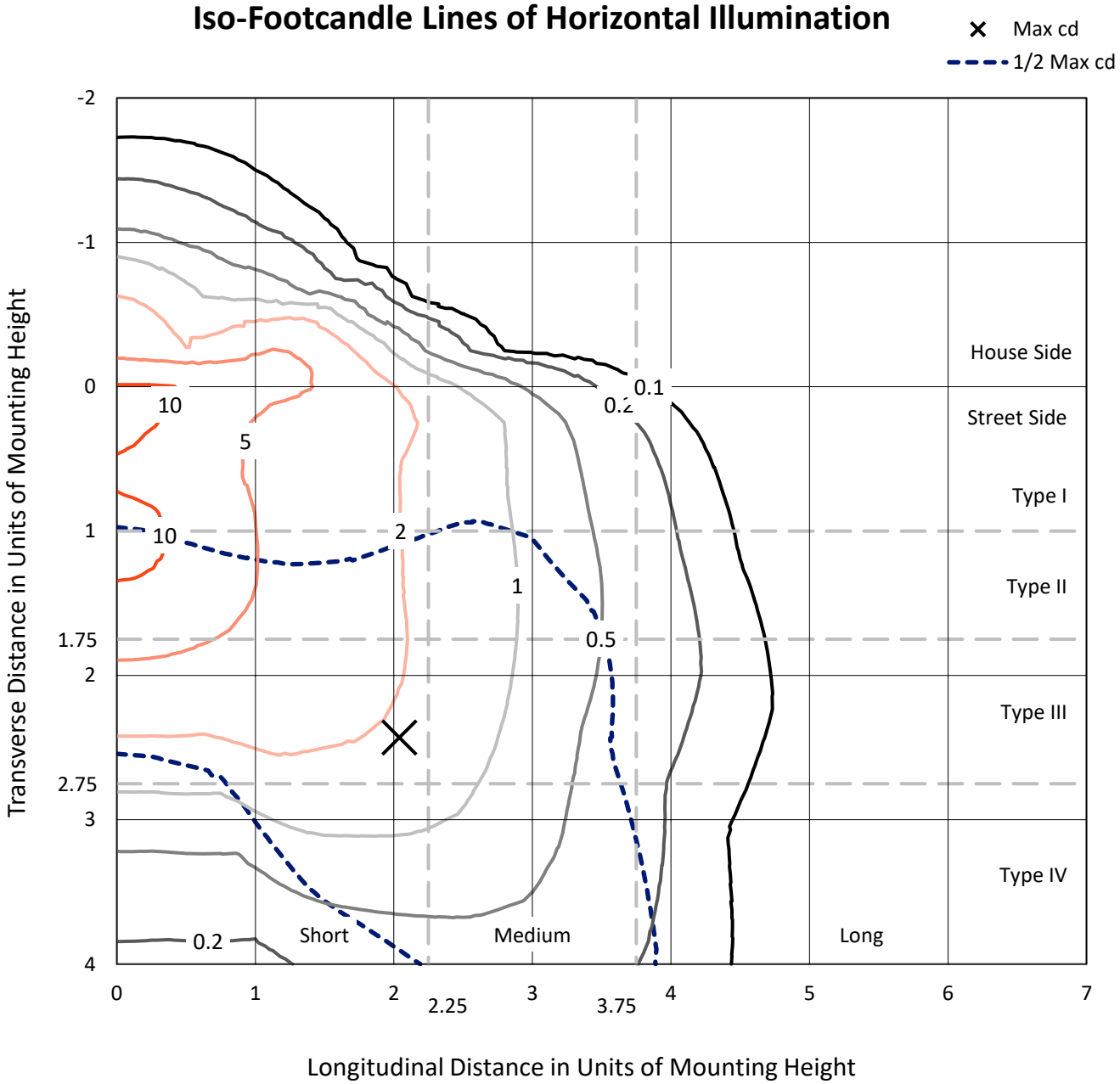


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Iso-Footcandle Lines of Horizontal Illumination



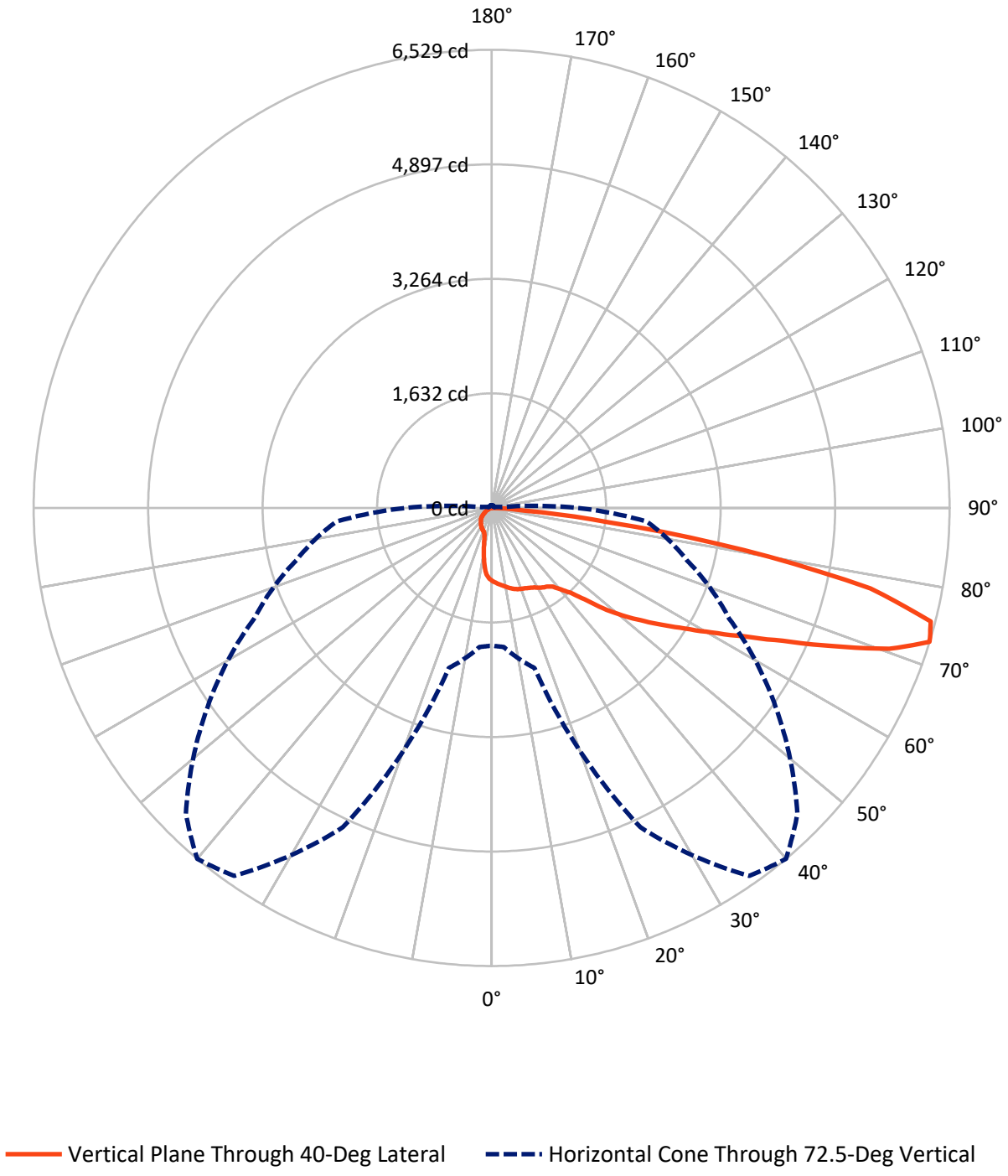
Based on 10 foot mounting height. Maximum calculated value = 12 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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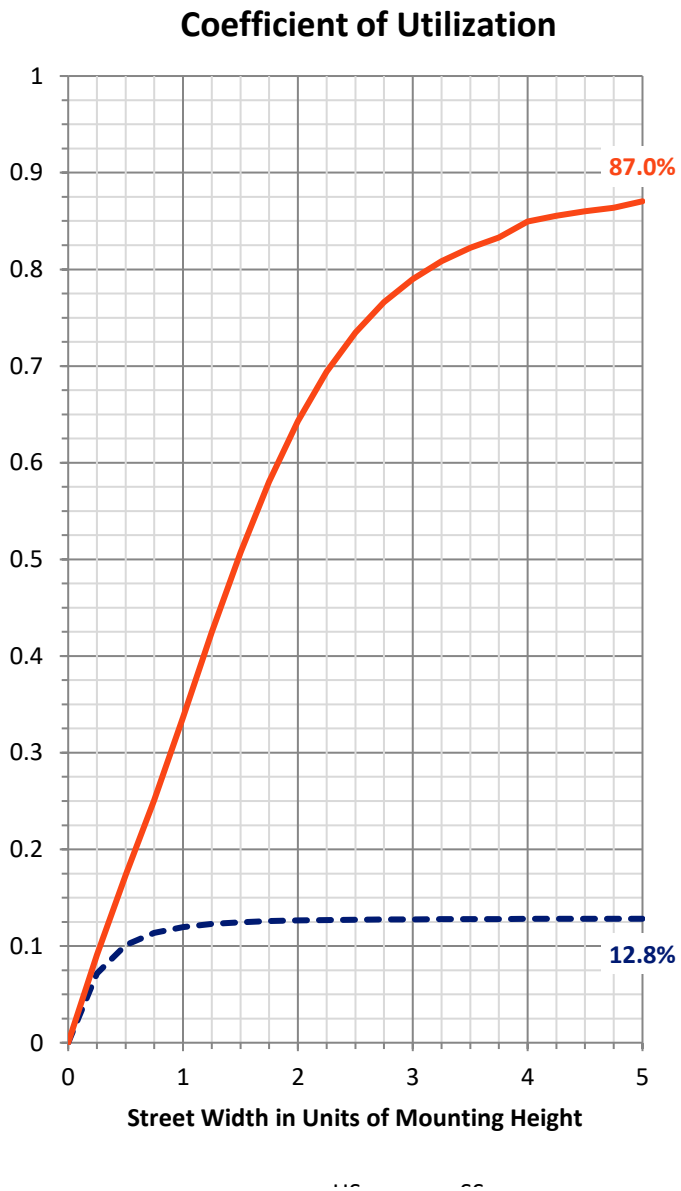
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1014.9	0.0	1014.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	6844.1	0.0	6844.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	7859.0	0.0	7859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.2
10°-20°	258.1	3.3
20°-30°	417.6	5.3
30°-40°	616.5	7.8
40°-50°	1037.6	13.2
50°-60°	1611.1	20.5
60°-70°	2016.0	25.7
70°-80°	1650.5	21.0
80°-90°	156.5	2.0
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°	7859.0	100.0
0°-180°	7859.0	100.0



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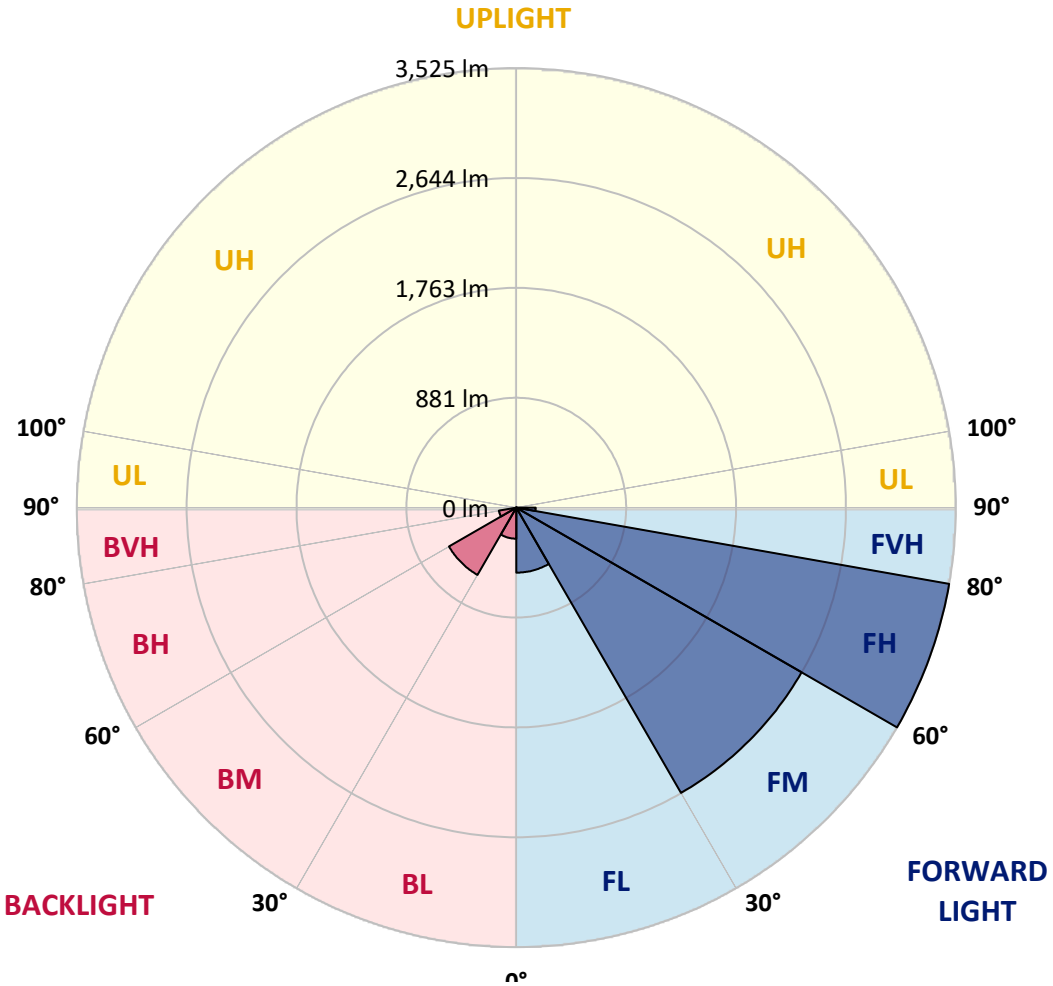
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	521.6	6.6			
FM	(30°-60°)	2642.1	33.6			
FH	(60°-80°)	3525.1	44.9			G2/5000
FVH	(80°-90°)	155.3	2.0			G2/225
BL	(0°-30°)	249.1	3.2	B1/500		
BM	(30°-60°)	623.2	7.9	B1/1000		
BH	(60°-80°)	141.4	1.8	B1/500		G1/500
BVH	(80°-90°)	1.2	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-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1040.6	1040.6	1040.6	1040.6	1040.6	*1040.6*	1040.6	1040.6	1040.6	1040.6	1040.6
2.5°	1072.0	1076.1	1073.7	1069.0	1067.8	*1065.5*	1062.5	1061.3	1057.2	1053.6	1049.5
5°	1102.2	1106.3	1103.3	1096.8	1093.9	*1090.9*	1086.8	1083.2	1074.9	1067.2	1057.8
7.5°	1135.3	1138.9	1135.3	1125.8	1121.1	*1117.5*	1111.6	1106.3	1096.8	1085.6	1073.7
10°	1172.0	1175.0	1169.6	1157.2	1149.5	*1144.2*	1138.9	1132.9	1124.1	1111.6	1097.4
12.5°	1206.3	1209.9	1201.6	1186.8	1177.9	*1172.6*	1166.7	1161.9	1153.1	1141.2	1126.4
15°	1237.7	1243.0	1228.8	1212.8	1202.8	*1198.6*	1192.7	1189.8	1183.8	1175.6	1161.9
17.5°	1261.4	1264.9	1250.1	1231.2	1219.9	*1217.0*	1212.8	1214.6	1213.4	1209.3	1200.4
20°	1281.5	1283.9	1264.3	1241.3	1228.8	*1229.4*	1228.2	1234.2	1236.5	1236.5	1235.9
22.5°	1306.4	1307.0	1282.1	1253.1	1238.3	*1242.4*	1244.2	1250.7	1255.5	1260.2	1270.9
25°	1338.9	1337.7	1308.1	1268.5	1255.5	*1261.4*	1265.5	1267.9	1273.2	1280.9	1305.2
27.5°	1387.5	1383.9	1346.0	1293.3	1278.0	*1283.3*	1291.0	1289.8	1287.4	1293.3	1334.2
30°	1449.0	1444.3	1394.0	1328.3	1314.1	*1318.8*	1321.2	1310.5	1293.3	1298.7	1359.6
32.5°	1546.7	1538.4	1468.6	1367.3	1345.4	*1350.8*	1347.8	1325.9	1300.4	1305.8	1385.1
35°	1716.6	1696.4	1597.6	1449.0	1380.9	*1375.0*	1367.9	1346.6	1315.2	1309.9	1406.4
37.5°	2077.6	2042.1	1873.4	1608.2	1461.5	*1423.0*	1401.1	1379.8	1331.2	1309.9	1430.7
40°	2484.9	2448.8	2254.0	1874.6	1595.2	*1530.1*	1478.0	1418.8	1347.8	1317.6	1468.6
42.5°	2909.9	2870.2	2670.2	2204.9	1786.4	*1652.6*	1555.6	1450.2	1375.0	1341.3	1518.9
45°	3384.6	3334.9	3073.2	2549.4	2064.0	*1856.3*	1680.5	1514.7	1422.4	1383.3	1587.5
47.5°	3885.4	3820.8	3475.2	2883.8	2362.9	*2138.0*	1908.9	1630.1	1492.2	1446.1	1680.5
50°	4329.3	4265.4	3890.1	3233.7	2642.3	*2406.2*	2169.4	1790.0	1597.0	1534.8	1805.4
52.5°	4648.3	4599.8	4267.7	3594.7	2933.0	*2657.7*	2405.6	1975.8	1729.6	1648.5	1952.7
55°	4862.0	4817.6	4535.3	3936.9	3270.9	*2934.7*	2638.2	2177.7	1889.4	1784.6	2115.5
57.5°	4991.7	4966.2	4728.8	4242.3	3606.0	*3237.8*	2904.6	2399.6	2077.6	1945.0	2297.2
60°	5037.8	5017.1	4849.0	4533.5	4010.8	*3601.8*	3217.7	2650.0	2306.1	2127.4	2483.7
62.5°	4914.7	4918.9	4935.4	4878.6	4437.6	*4028.0*	3593.0	2950.7	2559.5	2333.9	2658.9
65°	4335.2	4369.6	4684.5	5261.0	5002.9	*4561.9*	4070.6	3317.7	2849.5	2568.9	2798.0
67.5°	3589.4	3639.1	4031.0	5484.7	5605.5	*5255.1*	4736.0	3785.3	3195.2	2808.1	2850.7
70°	2747.7	2801.0	3275.7	5438.0	6169.6	*6012.7*	5558.7	4380.2	3553.3	2973.8	2716.3
72.5°	*1961.0*	*1988.3*	*2362.4*	*5021.8*	*6401.0*	*6528.9*	*6164.8*	*4943.7*	*3736.2*	*2882.1*	*2215.6*
75°	1378.0	1373.3	1621.3	4044.0	6040.5	*6466.1*	5952.3	4638.9	3381.0	2289.5	1366.2
77.5°	600.2	601.4	809.7	2455.9	4821.2	*5522.6*	4947.9	2905.7	2357.0	1213.4	576.5
80°	155.7	160.4	297.1	977.9	2902.8	*3645.0*	3017.6	1277.4	1089.1	296.0	110.1
82.5°	55.0	58.6	136.7	307.2	1070.8	*1671.6*	1343.7	408.4	284.1	84.6	29.6
85°	16.0	18.9	73.4	94.1	221.4	*472.4*	326.1	79.3	69.8	43.8	7.7
87.5°	0.0	2.4	14.8	13.0	13.0	*8.9*	16.6	8.9	11.2	5.3	2.4
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°	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6	1040.6
2.5°	1045.9	1041.8	1032.9	1023.4	1014.6	1006.3	1003.9	995.0	990.9	991.5	990.9
5°	1051.2	1043.6	1026.4	1005.7	984.4	960.1	940.0	911.6	887.3	884.3	882.6
7.5°	1065.5	1053.0	1025.2	985.0	931.7	864.8	802.6	741.1	706.2	687.2	686.0
10°	1087.4	1070.8	1028.2	951.2	838.2	718.6	624.5	546.9	507.3	488.9	485.4
12.5°	1113.4	1095.1	1032.9	893.8	717.4	560.5	458.7	411.4	403.1	401.9	401.3
15°	1150.1	1130.0	1038.2	816.3	586.6	426.8	380.0	380.6	387.1	390.7	390.1
17.5°	1190.9	1170.8	1030.5	721.6	457.6	364.6	363.4	368.8	378.2	381.8	381.2
20°	1232.4	1213.4	1003.3	610.3	369.9	347.5	352.2	358.1	367.6	372.3	372.3
22.5°	1275.0	1258.4	960.1	491.9	333.8	335.0	340.9	346.9	357.5	362.8	362.8
25°	1320.6	1306.4	902.7	394.2	318.5	322.0	329.7	336.8	348.0	354.6	354.6
27.5°	1366.7	1356.1	837.6	329.1	304.2	308.4	317.3	326.7	338.0	345.7	346.3
30°	1417.1	1411.1	785.5	304.8	290.6	294.2	304.2	314.9	327.3	336.8	338.0
32.5°	1468.6	1467.4	760.0	322.6	278.2	280.6	289.4	300.1	315.5	327.3	328.5
35°	1519.5	1521.8	745.2	372.9	274.1	267.5	273.5	282.9	301.3	316.1	318.5
37.5°	1584.6	1590.5	744.6	427.4	284.1	254.5	258.7	265.2	281.2	298.3	301.3
40°	1681.6	1713.0	782.5	474.1	301.9	242.7	243.9	245.1	253.3	267.5	272.3
42.5°	1810.7	1902.4	919.3	506.1	309.0	232.0	227.9	221.4	220.2	227.9	232.0
45°	1971.1	2131.5	1159.6	523.8	301.9	220.2	208.9	191.8	185.3	190.6	190.6
47.5°	2159.9	2382.5	1444.3	528.0	290.0	205.4	185.3	162.8	157.5	159.2	158.6
50°	2344.0	2570.7	1694.7	493.7	270.5	186.5	159.2	140.3	136.7	137.3	137.3
52.5°	2506.8	2635.2	1765.7	412.6	244.5	163.4	136.7	123.7	121.3	121.3	120.8
55°	2614.5	2565.4	1574.5	315.5	211.9	139.7	117.2	110.7	109.5	108.9	107.7
57.5°	2637.0	2338.1	1189.2	227.9	165.7	117.8	104.2	100.6	98.3	95.9	94.7
60°	2556.5	1959.3	757.1	159.2	124.3	100.6	92.3	90.0	85.2	80.5	78.7
62.5°	2382.5	1479.8	419.1	110.7	100.0	85.8	81.7	78.7	69.8	62.2	59.8
65°	2148.7	983.8	185.3	86.4	81.7	72.2	69.8	65.7	55.0	46.2	44.4
67.5°	1913.7	566.5	83.5	69.3	65.7	59.2	57.4	54.5	46.8	38.5	37.3
70°	1645.5	287.1	57.4	55.0	50.9	45.0	46.8	46.2	38.5	31.4	30.2
72.5°	*1225.3*	*142.7*	*43.2*	*41.4*	*36.7*	*32.0*	*38.5*	*37.9*	*30.2*	*23.7*	*22.5*
75°	693.7	70.4	31.4	29.0	21.9	23.7	30.8	29.0	20.7	15.4	14.2
77.5°	275.2	36.1	20.7	17.8	13.0	16.0	22.5	19.5	10.7	6.5	5.9
80°	63.3	17.8	10.7	7.7	5.9	9.5	11.8	7.1	3.0	0.6	0.0
82.5°	17.8	7.7	3.6	3.0	3.0	3.6	3.0	1.2	0.0	0.0	0.0
85°	5.9	3.6	1.2	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
87.5°	2.4	1.2	0.0	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


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SS

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(END OF REPORT)