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: P1202640

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202640
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-735-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6909 lumens
Efficiency:	N/A
Efficacy:	120.6 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):	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

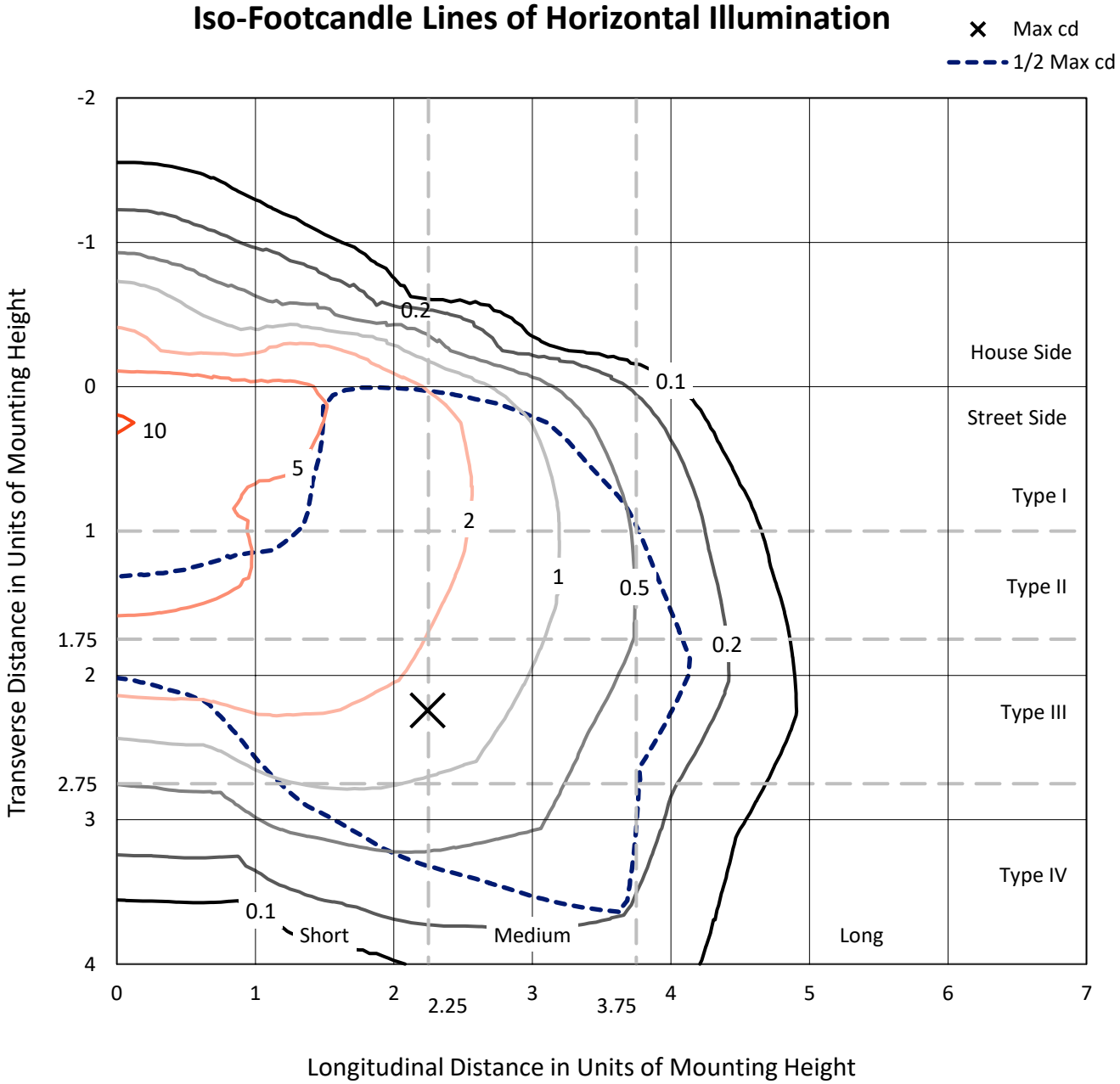


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Iso-Footcandle Lines of Horizontal Illumination



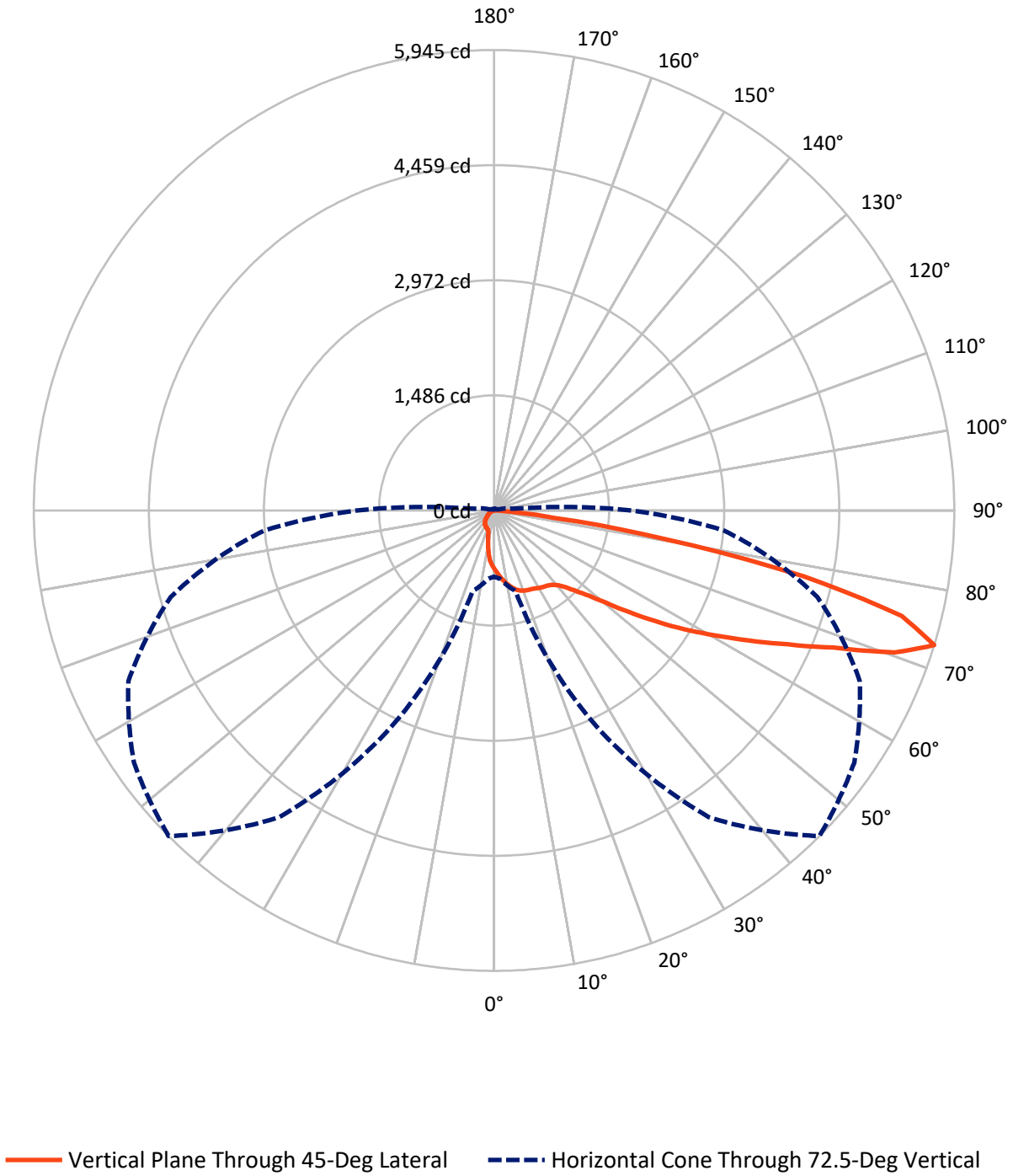
Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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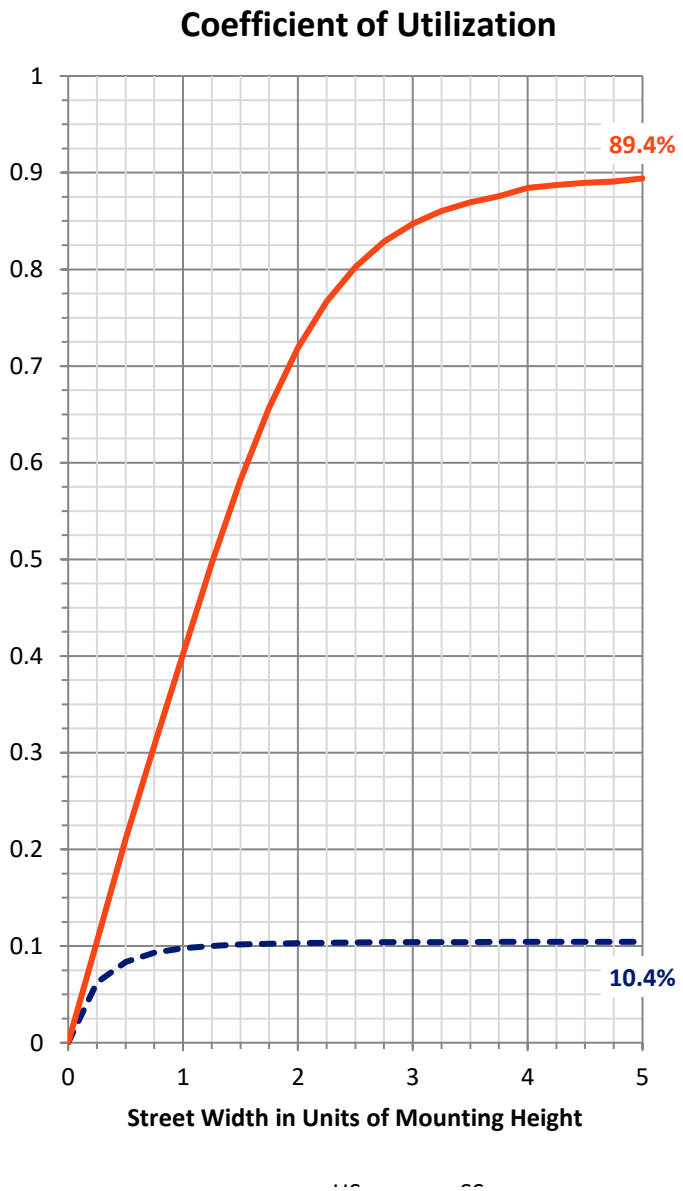
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	725.9	0.0	725.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6183.1	0.0	6183.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	6909.0	0.0	6909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.0
10°-20°	208.4	3.0
20°-30°	342.3	5.0
30°-40°	485.4	7.0
40°-50°	802.3	11.6
50°-60°	1441.3	20.9
60°-70°	2001.3	29.0
70°-80°	1451.7	21.0
80°-90°	105.0	1.5
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°	6909.0	100.0
0°-180°	6909.0	100.0



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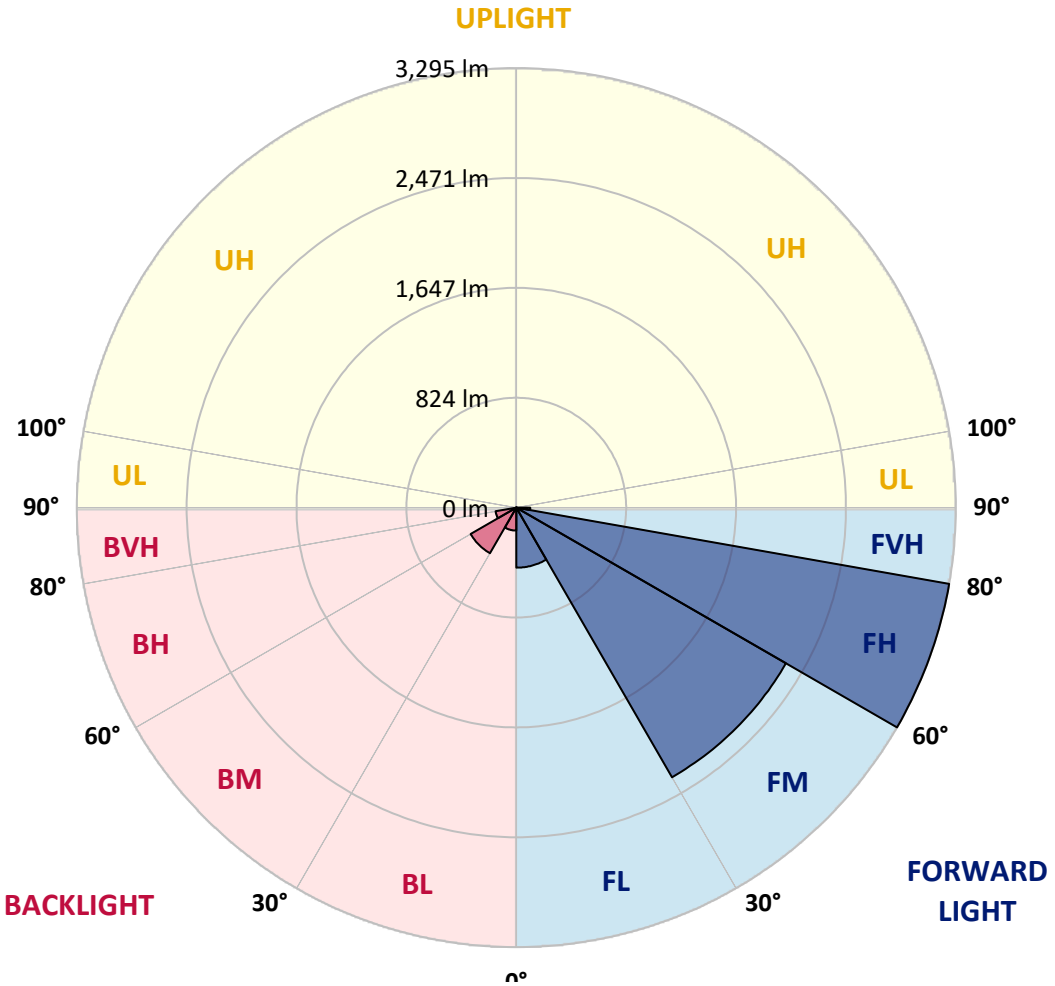
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	450.1	6.5			
FM	(30°-60°)	2334.2	33.8			
FH	(60°-80°)	3294.7	47.7			G2/5000
FVH	(80°-90°)	104.1	1.5			G2/225
BL	(0°-30°)	171.9	2.5	B1/500		
BM	(30°-60°)	394.8	5.7	B1/1000		
BH	(60°-80°)	158.3	2.3	B1/500		G1/500
BVH	(80°-90°)	0.9	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°	45°	46°	55°	65°	75°	85°
0°	756.9	756.9	756.9	756.9	756.9	*756.9*	756.9	756.9	756.9	756.9	756.9
2.5°	826.7	828.1	827.2	821.5	812.1	*806.9*	804.1	794.6	788.5	777.6	766.3
5°	902.6	908.3	905.0	893.7	875.7	*863.0*	859.2	839.9	822.4	802.2	778.6
7.5°	983.3	986.1	980.0	965.3	941.3	*919.6*	916.3	889.4	861.6	830.5	798.4
10°	1053.1	1056.4	1046.9	1025.7	998.3	*971.5*	966.8	937.0	904.0	865.8	824.8
12.5°	1111.5	1114.8	1102.6	1077.1	1046.9	*1019.1*	1014.4	983.3	946.9	904.5	853.6
15°	1155.9	1162.0	1145.5	1118.1	1085.6	*1057.8*	1055.4	1024.8	989.4	942.2	888.0
17.5°	1181.8	1187.9	1172.4	1139.4	1111.5	*1087.9*	1085.1	1059.7	1026.6	981.4	921.5
20°	1186.0	1191.7	1175.2	1146.4	1123.3	*1104.5*	1103.0	1084.6	1060.6	1017.2	957.8
22.5°	1173.3	1180.4	1165.3	1142.2	1126.1	*1116.2*	1114.4	1104.0	1090.3	1053.5	991.7
25°	1160.1	1165.8	1154.4	1134.2	1125.7	*1124.7*	1126.1	1124.3	1121.4	1090.3	1031.4
27.5°	1159.2	1165.3	1152.6	1133.2	1128.5	*1138.4*	1139.8	1148.8	1151.1	1123.8	1069.6
30°	1167.2	1171.4	1159.2	1138.9	1136.5	*1159.2*	1159.6	1175.7	1179.4	1152.1	1107.3
32.5°	1184.6	1189.3	1177.1	1147.4	1144.1	*1175.7*	1177.1	1198.3	1204.4	1182.3	1146.9
35°	1225.7	1231.3	1217.2	1170.9	1159.2	*1191.2*	1195.5	1220.5	1232.7	1214.3	1187.9
37.5°	1328.0	1311.5	1292.1	1218.6	1193.6	*1215.7*	1222.8	1252.1	1273.8	1252.5	1237.0
40°	1582.2	1530.3	1469.9	1299.7	1253.9	*1268.1*	1273.8	1303.0	1332.7	1312.0	1304.4
42.5°	1963.7	1902.4	1805.2	1486.4	1345.0	*1352.0*	1356.3	1381.7	1423.7	1407.2	1409.1
45°	2303.7	2281.5	2182.5	1805.2	1515.2	*1480.3*	1485.5	1498.7	1560.5	1554.3	1566.6
47.5°	2565.0	2552.2	2475.8	2171.2	1802.9	*1637.3*	1652.0	1658.1	1747.2	1768.9	1801.9
50°	2765.9	2761.1	2692.8	2496.6	2178.7	*1868.9*	1874.1	1860.9	1994.3	2048.1	2110.8
52.5°	2955.4	2971.5	2921.0	2798.9	2580.0	*2172.1*	2171.2	2108.9	2289.1	2370.2	2477.2
55°	3126.6	3132.3	3137.5	3107.3	2983.7	*2517.3*	2508.4	2406.5	2631.0	2714.9	2830.9
57.5°	3287.4	3289.8	3336.0	3397.8	3403.9	*2888.0*	2871.5	2749.3	3004.5	3064.4	3135.6
60°	3395.4	3406.3	3503.9	3675.5	3750.5	*3270.4*	3261.5	3137.0	3384.6	3412.4	3399.2
62.5°	3239.8	3305.8	3552.0	3892.5	4077.8	*3694.4*	3690.2	3573.2	3784.5	3761.8	3648.7
65°	2622.5	2734.3	3167.2	4039.1	4399.0	*4167.9*	4174.0	4049.5	4195.2	4121.7	3851.4
67.5°	1834.5	1952.4	2464.5	4050.9	4757.8	*4723.9*	4759.2	4564.0	4631.4	4466.4	3899.5
70°	1268.6	1329.4	1662.8	3797.2	5037.5	*5489.7*	5488.8	5195.9	5065.3	4623.4	3654.3
72.5°	*853.1*	*884.7*	*1079.9*	*3012.5*	*4831.9*	*5944.8*	*5917.5*	*5678.8*	*5211.5*	*4324.0*	*2985.6*
75°	359.8	382.9	499.9	1693.0	3822.7	*5438.8*	5364.8	5018.6	4630.5	3404.9	1862.8
77.5°	114.1	124.0	197.1	606.0	2105.6	*4088.2*	4009.9	3134.2	3103.5	1708.1	681.0
80°	54.2	63.2	110.8	243.3	828.6	*2223.5*	2212.7	1421.8	1335.1	461.2	136.8
82.5°	23.6	27.8	61.3	130.2	370.7	*793.2*	809.2	483.8	400.4	175.0	42.0
85°	7.5	9.9	28.3	59.9	156.6	*197.1*	194.8	115.1	161.3	95.3	14.6
87.5°	0.0	0.0	9.4	13.7	16.0	*11.3*	12.7	9.9	44.8	26.4	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	756.9	756.9	756.9	756.9	756.9	756.9	756.9	756.9	756.9	756.9	756.9
2.5°	760.7	753.1	739.9	727.7	716.8	706.0	699.4	689.9	689.0	689.0	691.3
5°	765.9	753.6	730.0	705.0	676.3	648.9	621.6	595.1	586.7	580.5	583.4
7.5°	780.9	761.6	724.4	676.7	622.0	562.1	520.2	474.9	457.4	448.0	449.4
10°	802.6	776.2	719.6	636.2	547.5	465.9	406.0	357.0	338.1	330.1	330.1
12.5°	826.7	794.2	711.2	585.7	465.9	368.3	309.8	287.2	284.4	284.4	284.4
15°	855.5	815.8	696.5	526.3	380.6	291.4	270.7	271.6	274.5	276.3	276.3
17.5°	885.2	839.0	673.4	459.8	305.1	262.2	262.7	264.1	266.4	268.3	268.3
20°	917.2	862.1	642.8	389.1	261.7	253.7	255.1	256.5	258.4	259.4	259.8
22.5°	951.7	883.8	606.5	319.7	247.1	246.6	247.1	248.5	250.9	250.9	251.8
25°	988.4	907.8	565.0	269.3	239.6	239.6	240.5	241.5	243.3	243.3	243.8
27.5°	1026.2	930.0	521.1	242.9	233.0	232.5	232.5	233.9	234.8	235.3	235.8
30°	1067.7	955.9	477.2	237.2	227.8	225.4	224.0	224.9	225.9	226.4	227.3
32.5°	1110.1	980.9	438.1	239.6	222.6	218.3	213.6	212.7	212.7	214.6	216.0
35°	1157.3	1008.3	407.9	247.6	219.8	208.0	200.4	196.2	196.7	199.5	200.9
37.5°	1213.9	1041.3	385.8	254.7	217.9	196.2	183.9	178.7	175.4	178.7	177.8
40°	1287.9	1089.8	369.7	260.3	215.5	182.5	166.0	157.5	151.4	153.3	152.3
42.5°	1396.8	1166.2	363.6	260.8	210.3	166.5	147.6	136.3	127.3	127.8	125.9
45°	1549.6	1287.0	395.2	254.7	199.0	149.0	128.3	113.2	107.5	106.1	104.2
47.5°	1759.0	1462.9	468.3	241.9	182.5	132.0	109.4	96.7	92.4	90.1	88.7
50°	2039.6	1688.7	549.4	227.8	166.0	116.0	93.8	85.8	83.0	80.6	80.2
52.5°	2365.0	1917.9	615.9	213.6	149.5	101.9	83.9	79.2	76.9	75.0	74.5
55°	2663.5	2075.9	612.1	198.5	133.5	90.5	76.9	74.0	71.2	69.3	68.4
57.5°	2849.3	2098.1	504.6	182.0	115.1	81.6	70.3	68.4	65.1	62.7	62.2
60°	2934.7	1971.7	353.7	160.3	96.7	73.1	63.2	62.2	58.0	54.7	53.8
62.5°	2950.2	1736.9	235.8	133.5	80.6	65.1	56.1	54.7	49.0	43.4	40.6
65°	2887.0	1401.1	163.2	104.2	68.9	56.6	48.1	45.3	39.1	33.5	31.6
67.5°	2687.1	983.7	113.7	75.0	58.5	44.8	38.2	37.3	32.5	27.8	26.4
70°	2320.7	560.7	75.9	56.1	46.2	30.7	30.2	31.1	26.4	22.6	20.7
72.5°	*1779.3*	*256.5*	*47.2*	*41.0*	*31.6*	*20.7*	*24.1*	*24.5*	*20.3*	*17.0*	*15.1*
75°	1047.4	109.9	29.7	26.4	16.0	13.7	17.4	17.9	13.7	10.8	9.4
77.5°	356.5	41.5	18.9	15.6	8.0	7.5	11.3	11.3	7.5	4.2	3.3
80°	81.1	15.6	9.4	6.1	3.8	3.3	3.8	3.3	1.9	0.5	0.0
82.5°	23.1	6.1	3.8	2.4	1.4	1.4	0.5	0.0	0.0	0.0	0.0
85°	6.6	2.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.5	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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(END OF REPORT)