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: P1203012

Luminaire Tested: GWC-SB2B-735-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203012
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-735-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8524 lumens
Efficiency:	N/A
Efficacy:	115.3 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

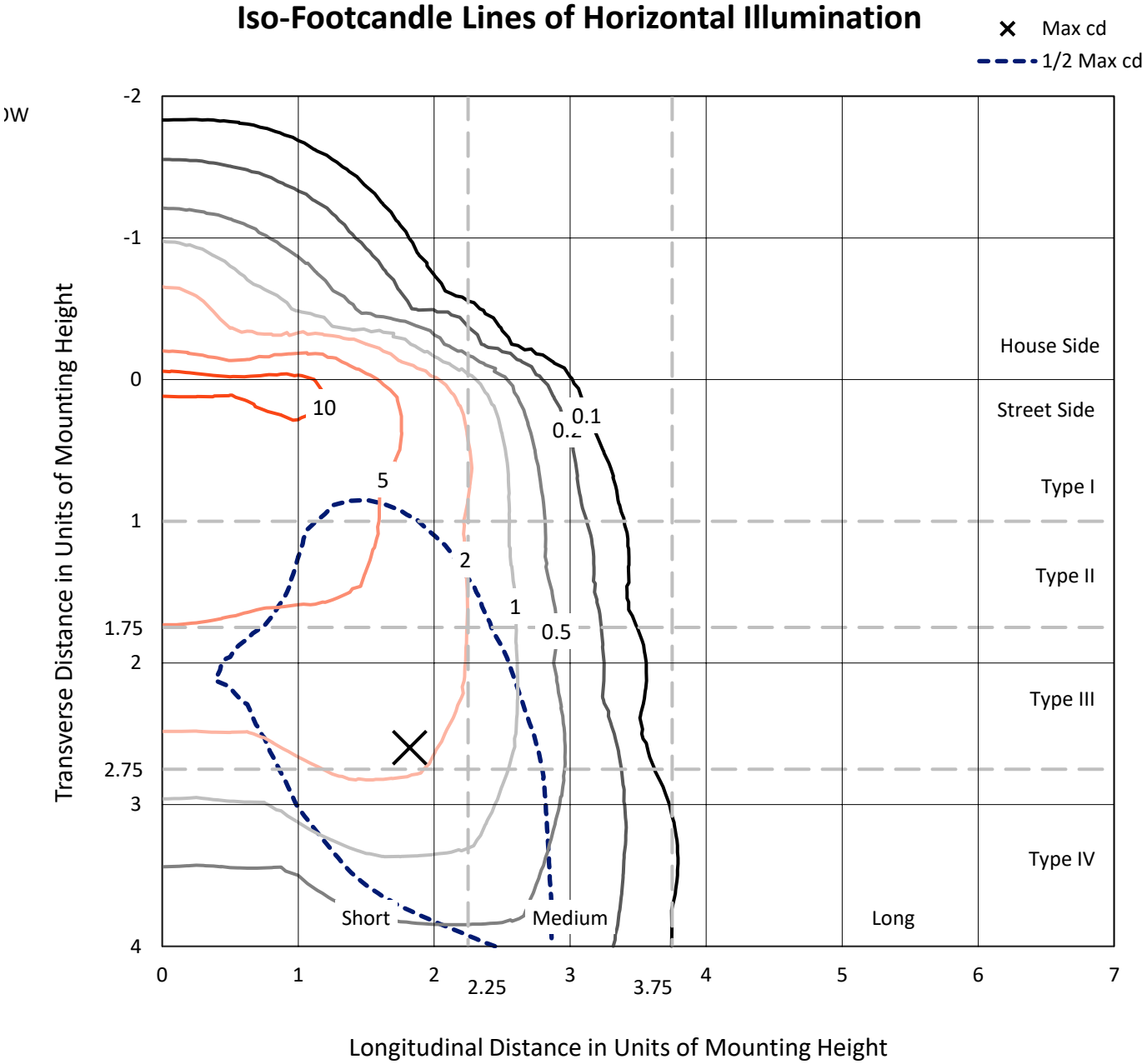


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Iso-Footcandle Lines of Horizontal Illumination



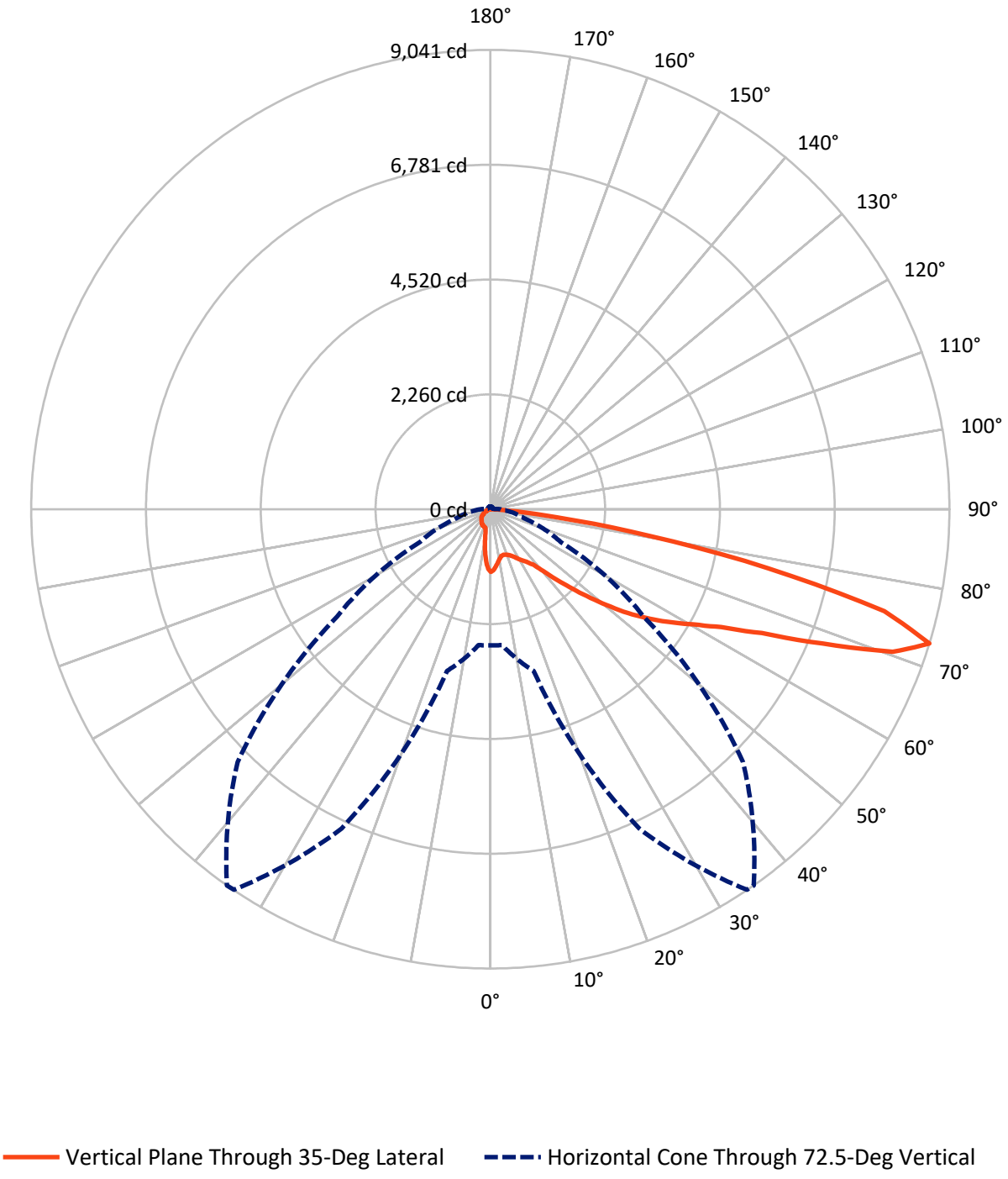
Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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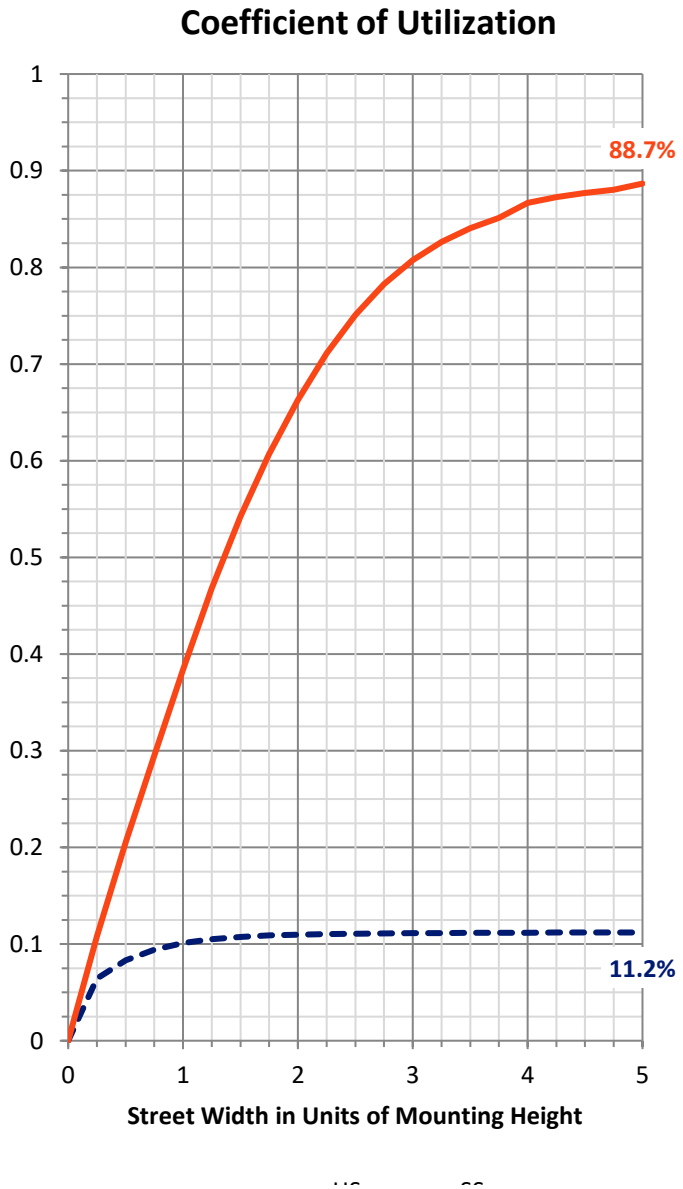
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.3	0.0	959.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	7564.7	0.0	7564.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	8524.0	0.0	8524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	1.2
10°-20°	237.5	2.8
20°-30°	385.8	4.5
30°-40°	643.7	7.6
40°-50°	1217.9	14.3
50°-60°	1935.2	22.7
60°-70°	2394.0	28.1
70°-80°	1488.1	17.5
80°-90°	120.3	1.4
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°	8524.0	100.0
0°-180°	8524.0	100.0



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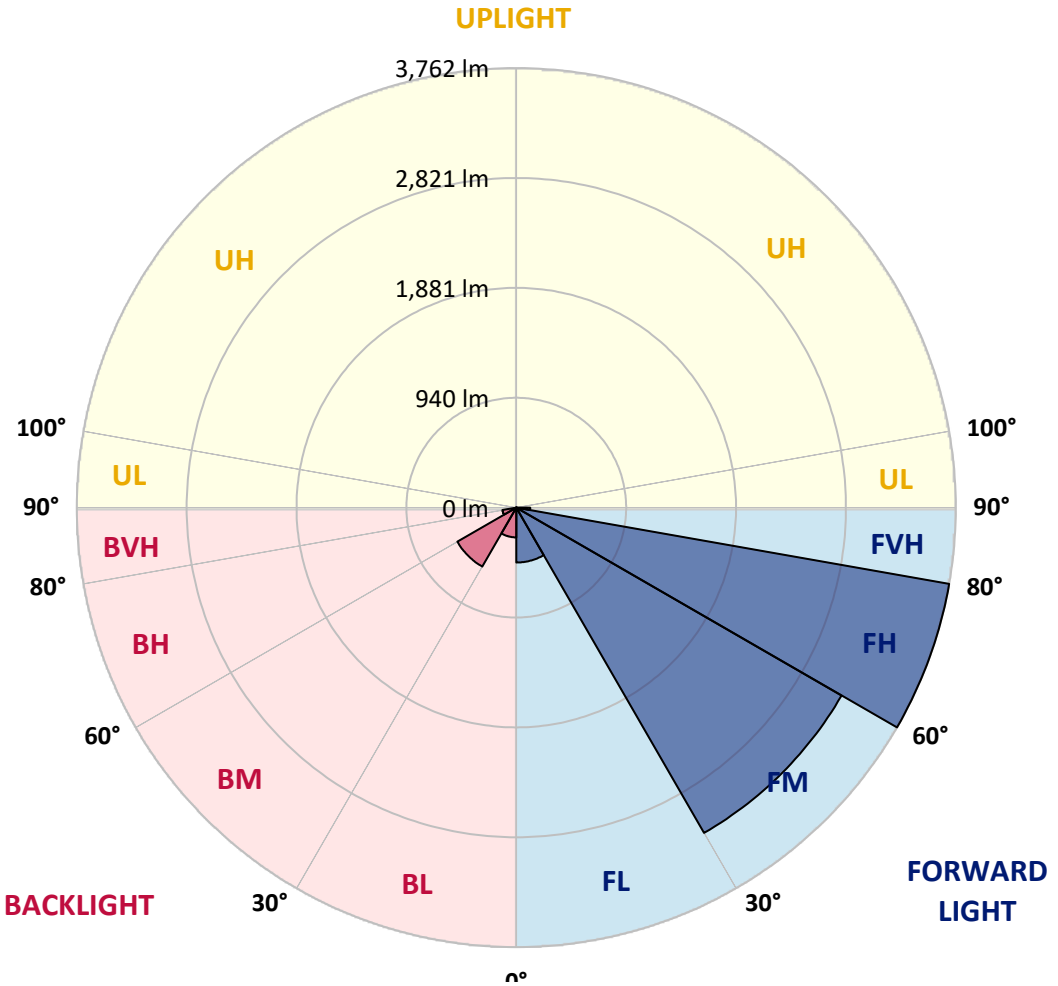
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	469.9	5.5			
FM	(30°-60°)	3214.4	37.7			
FH	(60°-80°)	3761.8	44.1			G2/5000
FVH	(80°-90°)	118.6	1.4			G2/225
BL	(0°-30°)	254.9	3.0	B1/500		
BM	(30°-60°)	582.4	6.8	B1/1000		
BH	(60°-80°)	120.4	1.4	B1/500		G1/500
BVH	(80°-90°)	1.6	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°	34°	35°	45°	55°	65°	75°	85°
0°	1235.4	1235.4	1235.4	1235.4	1235.4	*1235.4*	1235.4	1235.4	1235.4	1235.4	1235.4
2.5°	1180.5	1190.4	1192.3	1195.4	1195.4	*1199.2*	1205.4	1214.2	1228.5	1236.0	1241.0
5°	1088.0	1095.5	1104.9	1112.4	1126.7	*1128.6*	1153.0	1176.7	1209.8	1234.8	1252.3
7.5°	995.0	1003.7	1016.2	1034.3	1053.0	*1058.7*	1095.5	1135.5	1187.9	1234.8	1264.1
10°	929.4	930.0	941.2	959.4	989.3	*996.2*	1041.2	1098.0	1163.6	1227.3	1275.4
12.5°	892.5	896.9	901.9	915.6	944.4	*948.7*	996.8	1063.7	1139.2	1222.9	1288.5
15°	892.5	895.6	898.8	905.6	928.7	*932.5*	975.0	1041.8	1126.7	1224.8	1309.7
17.5°	901.9	906.9	904.4	912.5	936.9	*939.4*	976.8	1035.5	1126.1	1236.7	1342.2
20°	924.4	928.1	923.1	928.1	952.5	*957.5*	996.2	1047.4	1136.7	1257.3	1382.8
22.5°	960.0	961.8	950.0	953.7	978.7	*985.0*	1029.9	1081.1	1162.3	1290.4	1437.2
25°	1004.9	1008.7	990.6	995.0	1018.7	*1026.2*	1078.0	1131.7	1202.9	1336.0	1506.5
27.5°	1056.8	1058.7	1043.0	1042.4	1073.0	*1083.6*	1136.1	1194.2	1257.3	1393.4	1593.9
30°	1116.1	1121.7	1106.8	1104.3	1143.0	*1151.7*	1203.6	1271.0	1337.2	1479.6	1718.2
32.5°	1163.0	1167.3	1158.6	1164.8	1204.2	*1211.1*	1285.4	1379.7	1462.8	1602.0	1887.5
35°	1230.4	1232.9	1212.9	1224.2	1269.1	*1286.6*	1397.2	1532.1	1620.8	1755.7	2108.6
37.5°	1474.6	1474.6	1389.7	1334.1	1377.2	*1392.8*	1550.2	1723.8	1815.6	1961.8	2387.1
40°	1812.5	1806.9	1682.6	1568.9	1563.3	*1593.9*	1768.2	1965.5	2067.4	2209.1	2700.7
42.5°	2172.9	2164.2	1994.9	1882.5	1863.7	*1874.4*	2019.9	2263.5	2367.1	2510.8	3037.9
45°	2492.7	2490.2	2335.3	2184.1	2150.4	*2184.1*	2334.0	2612.0	2686.3	2837.5	3374.6
47.5°	2760.6	2760.6	2647.6	2548.9	2531.4	*2551.4*	2759.4	2998.6	2991.7	3185.3	3702.5
50°	3069.2	3066.7	2959.2	2916.8	2934.9	*2963.0*	3249.0	3405.8	3307.8	3527.0	3995.4
52.5°	3285.3	3300.3	3263.4	3256.5	3349.0	*3397.7*	3746.2	3804.3	3590.7	3851.1	4214.6
55°	3456.4	3473.9	3516.4	3564.5	3742.5	*3806.2*	4227.8	4182.2	3827.4	4132.2	4340.8
57.5°	3698.7	3673.8	3739.3	3834.3	4122.2	*4199.0*	4694.3	4538.8	4017.9	4360.2	4354.6
60°	3992.9	3996.7	4007.9	4127.8	4501.3	*4600.0*	5154.0	4876.1	4140.3	4500.1	4202.2
62.5°	4346.4	4352.1	4375.2	4559.4	5010.4	*5103.4*	5643.7	5152.1	4196.5	4460.7	3808.7
65°	4322.1	4345.8	4603.8	5234.0	5784.2	*5876.0*	6215.2	5345.8	4111.6	4101.0	3101.0
67.5°	3937.3	3976.1	4407.6	6039.7	6950.9	*7053.3*	6905.9	5383.9	3745.0	3189.1	2023.0
70°	3432.7	3446.4	3965.4	6764.2	8301.9	*8405.6*	7524.3	4964.8	2841.8	1778.8	906.3
72.5°	*2680.7*	*2683.8*	*3292.8*	*6932.2*	*9035.1*	*9040.8*	*7039.0*	*3685.6*	*1528.3*	*683.3*	*314.8*
75°	1915.0	1896.2	2205.4	5621.8	7949.0	*8012.7*	5277.1	1728.8	584.0	322.9	156.8
77.5°	1026.8	1047.4	1247.9	3334.0	5491.3	*5600.0*	2879.3	498.4	297.3	219.9	103.7
80°	317.3	334.8	511.5	1526.5	3110.4	*3176.0*	1067.4	221.7	207.4	156.8	68.1
82.5°	99.9	103.7	238.6	641.4	1291.0	*1321.0*	309.2	125.5	141.8	103.7	40.0
85°	28.7	29.4	106.2	239.2	319.2	*325.4*	86.8	48.7	81.2	64.3	20.6
87.5°	3.1	10.0	40.0	40.0	28.1	*27.5*	9.4	10.6	23.1	8.1	3.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4	1235.4
2.5°	1237.9	1238.5	1230.4	1216.7	1201.7	1189.2	1173.6	1161.1	1152.3	1149.8	1154.2
5°	1246.7	1242.3	1219.2	1177.3	1127.4	1084.3	1036.2	998.1	973.1	962.5	966.2
7.5°	1259.8	1247.3	1196.7	1114.2	1018.7	933.7	847.6	780.7	738.3	717.0	720.1
10°	1271.0	1246.0	1159.2	1023.1	876.9	748.2	632.1	551.5	506.5	485.3	485.9
12.5°	1281.6	1245.4	1110.5	915.0	717.0	559.6	451.6	411.6	399.1	394.7	393.5
15°	1301.6	1247.3	1049.3	791.3	557.7	422.8	383.5	382.9	385.4	384.1	383.5
17.5°	1329.1	1249.2	980.0	660.2	430.3	372.9	371.0	376.6	380.4	378.5	377.9
20°	1364.7	1256.6	906.3	530.3	369.7	360.4	364.8	369.7	372.9	369.7	369.1
22.5°	1414.7	1269.8	825.7	426.0	350.4	352.9	356.6	362.3	365.4	361.0	360.4
25°	1475.9	1290.4	746.4	370.4	341.0	344.1	349.8	356.0	359.8	355.4	354.8
27.5°	1555.2	1323.5	673.3	357.9	331.7	333.5	341.6	351.0	356.0	350.4	350.4
30°	1670.1	1377.8	610.2	363.5	326.0	321.7	332.9	346.0	351.6	346.6	346.0
32.5°	1822.5	1454.6	571.5	372.2	323.5	307.9	318.5	335.4	344.8	341.6	341.6
35°	2022.4	1571.4	556.5	382.2	321.7	293.6	301.0	319.2	335.4	338.5	338.5
37.5°	2264.7	1733.8	560.9	386.6	316.0	281.7	285.4	301.0	322.3	332.3	334.8
40°	2540.2	1923.1	585.9	382.2	309.8	271.7	272.3	284.2	302.9	317.9	322.9
42.5°	2824.3	2144.2	632.1	366.0	304.2	262.9	261.1	269.2	281.7	292.3	296.7
45°	3094.8	2371.5	677.7	343.5	297.3	254.2	249.8	253.0	255.5	259.8	262.3
47.5°	3330.9	2531.4	664.5	322.9	287.9	244.2	236.7	235.5	228.0	227.3	226.7
50°	3493.9	2566.4	590.2	302.3	274.2	233.0	221.1	213.6	200.5	194.2	194.9
52.5°	3545.7	2428.4	482.2	281.7	251.7	218.0	201.1	189.2	173.0	167.4	166.8
55°	3477.0	2157.9	385.4	256.7	220.5	198.0	179.3	163.6	150.5	143.7	143.7
57.5°	3309.0	1813.8	304.8	227.3	187.4	175.5	156.8	141.2	129.9	123.0	121.8
60°	3030.4	1440.3	241.1	192.4	159.9	151.1	131.8	121.8	111.8	103.7	101.8
62.5°	2607.6	1028.1	189.2	152.4	133.7	123.7	112.4	104.9	93.1	81.8	79.9
65°	2034.9	628.9	146.2	111.8	107.4	102.4	95.6	88.7	74.3	63.1	61.2
67.5°	1283.5	297.9	104.3	84.3	84.9	82.4	79.3	73.7	63.1	53.1	51.8
70°	565.2	144.3	68.7	64.3	63.1	63.1	65.6	63.7	53.7	44.3	42.5
72.5°	*192.4*	*77.4*	*51.2*	*48.7*	*45.6*	*45.0*	*55.0*	*53.1*	*43.1*	*34.4*	*32.5*
75°	100.6	51.8	37.5	35.0	27.5	33.1	43.7	41.2	30.6	22.5	20.6
77.5°	65.6	36.9	25.6	22.5	15.6	21.9	32.5	28.7	18.1	11.2	10.0
80°	41.2	24.4	15.0	10.6	7.5	11.9	17.5	12.5	6.9	2.5	1.9
82.5°	21.9	12.5	5.6	3.7	3.1	3.7	4.4	3.1	1.2	0.0	0.0
85°	8.7	4.4	1.9	1.2	0.6	0.0	1.2	0.6	0.0	0.0	0.0
87.5°	3.1	0.6	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)