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: P1202639

Luminaire Tested: GWC-SB2A-735-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202639
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-735-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8864 lumens
Efficiency:	N/A
Efficacy:	154.7 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

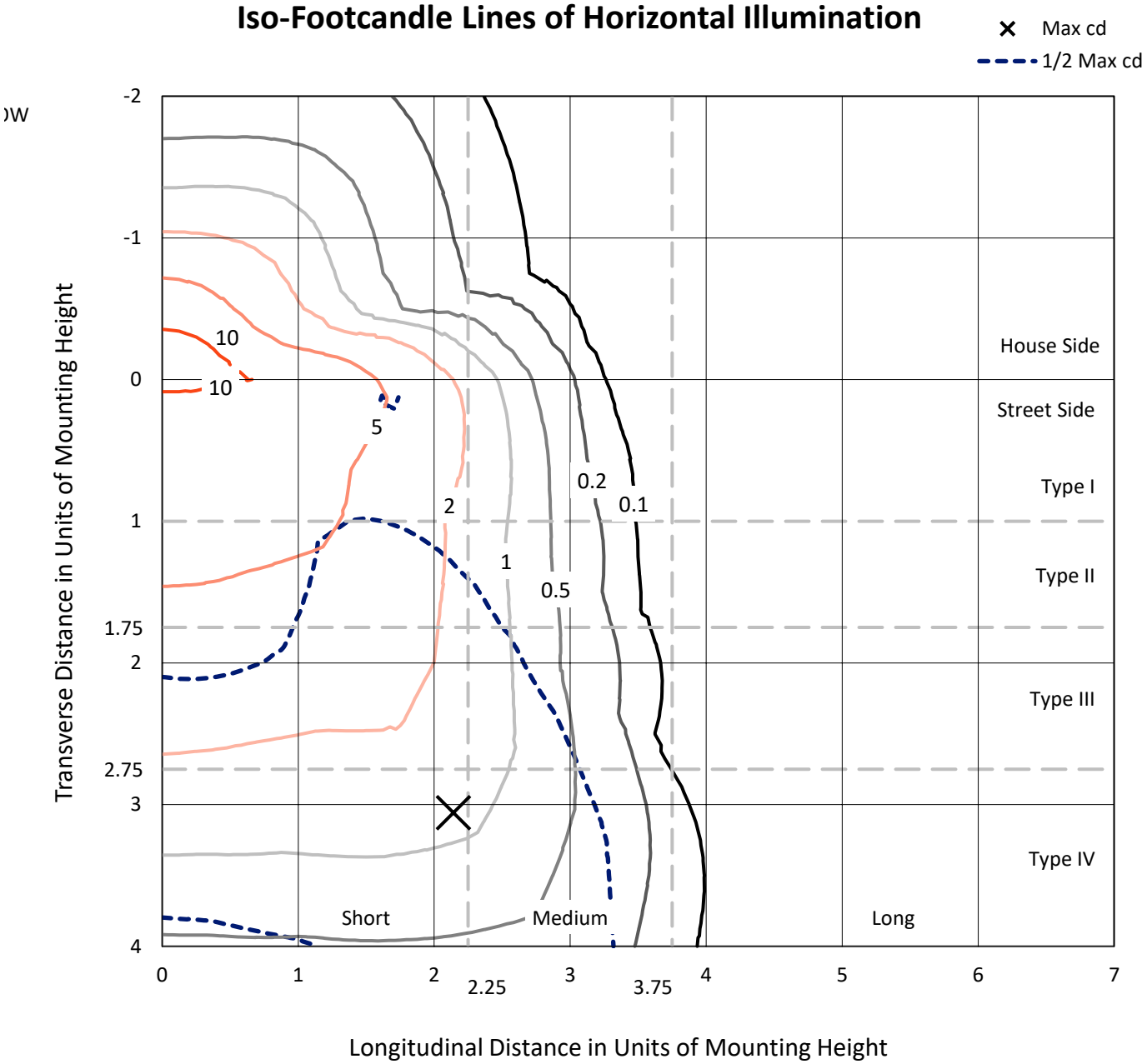


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Iso-Footcandle Lines of Horizontal Illumination



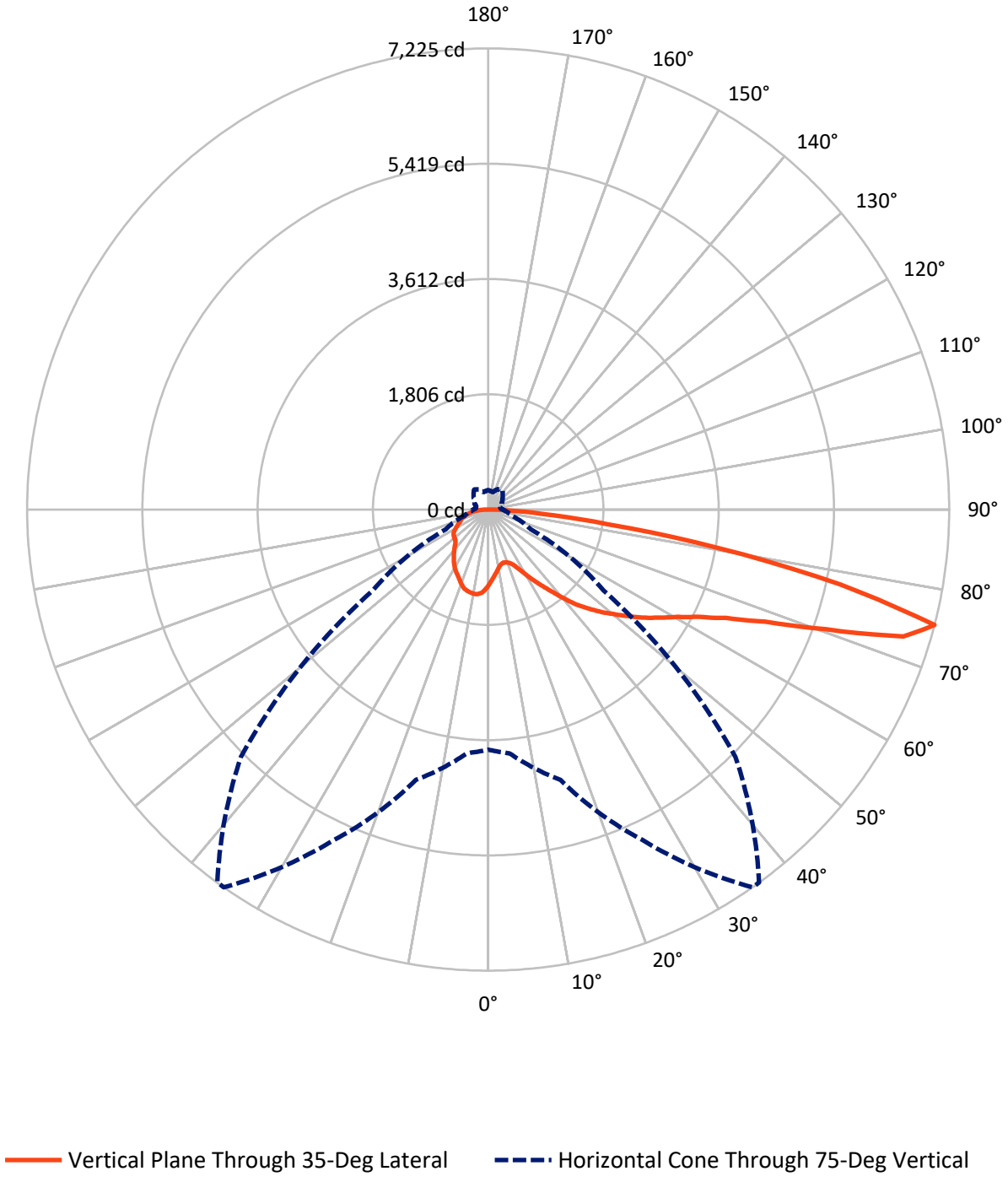
Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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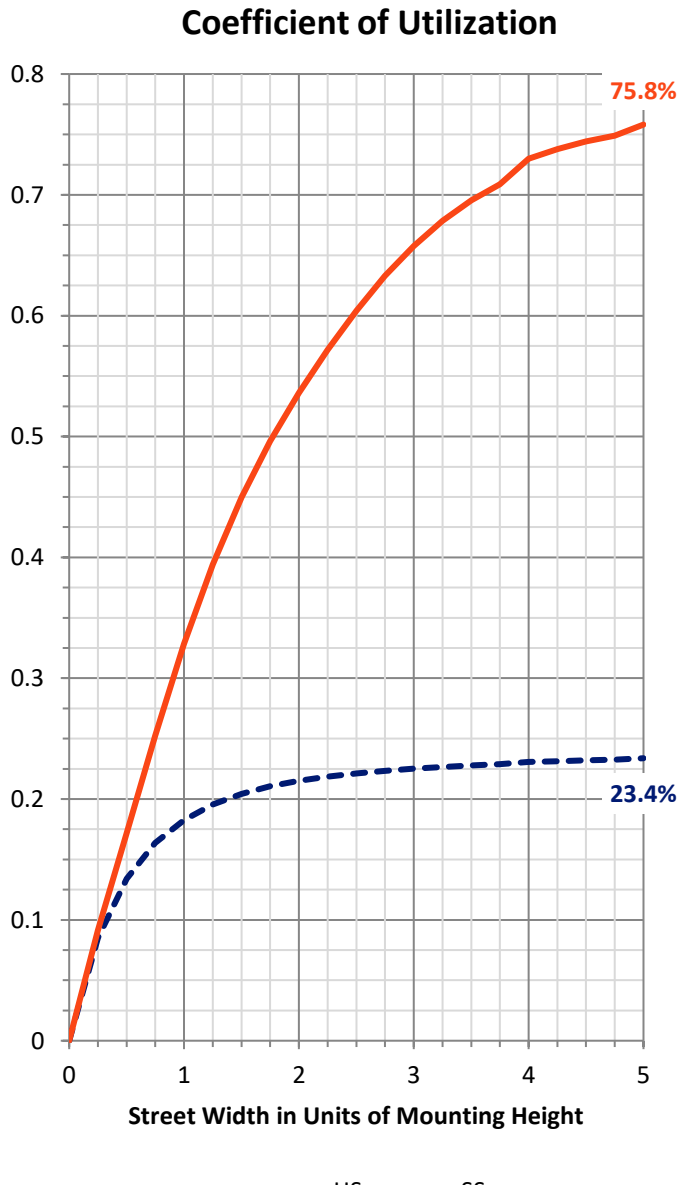
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2109.4	0.0	2109.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6754.6	0.0	6754.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	8864.0	0.0	8864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	1.3
10°-20°	322.6	3.6
20°-30°	541.7	6.1
30°-40°	841.9	9.5
40°-50°	1249.6	14.1
50°-60°	1725.1	19.5
60°-70°	2092.9	23.6
70°-80°	1729.7	19.5
80°-90°	248.8	2.8
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°	8864.0	100.0
0°-180°	8864.0	100.0



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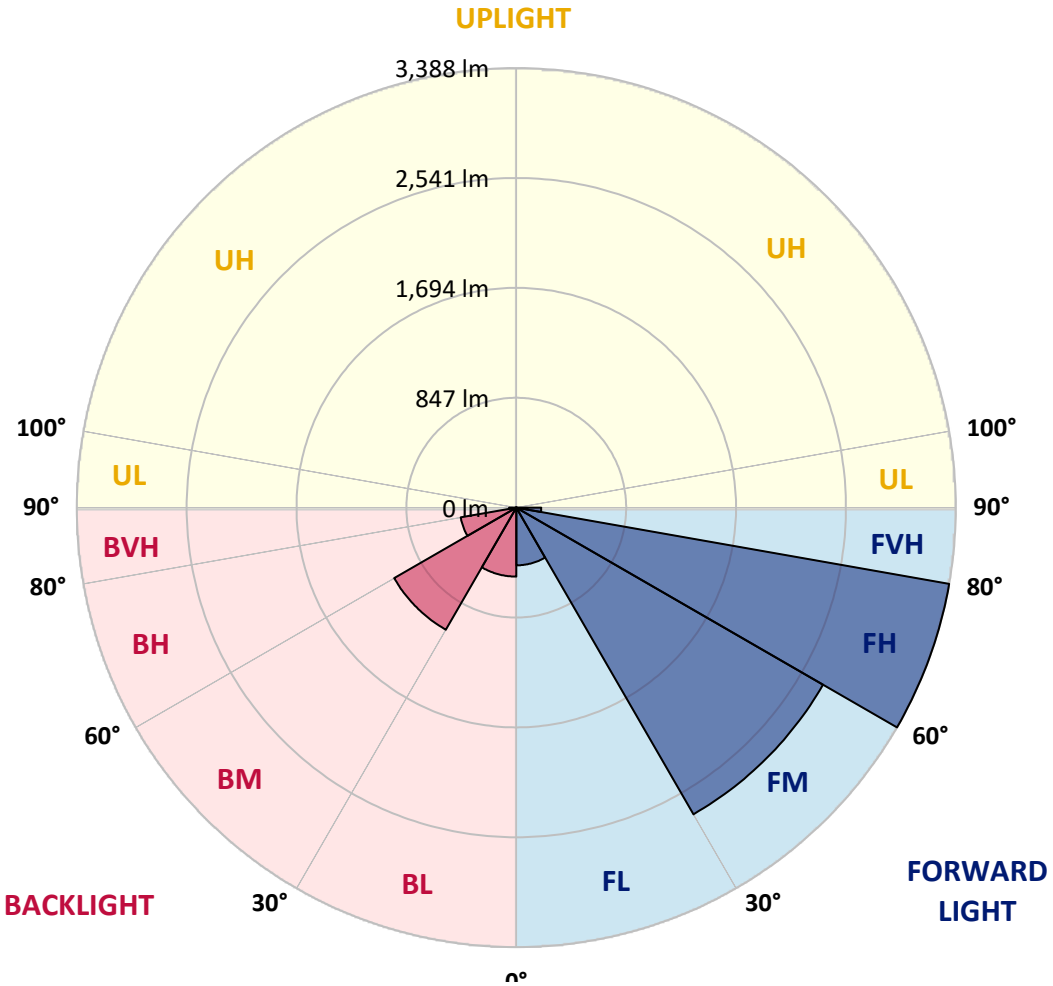
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	444.5	5.0			
FM	(30°-60°)	2729.6	30.8			
FH	(60°-80°)	3387.7	38.2			G2/5000
FVH	(80°-90°)	192.8	2.2			G2/225
BL	(0°-30°)	531.6	6.0	B2/1000		
BM	(30°-60°)	1086.9	12.3	B2/2500		
BH	(60°-80°)	434.9	4.9	B1/500		G1/500
BVH	(80°-90°)	56.0	0.6			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°	36°	45°	55°	65°	75°	85°
0°	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2
2.5°	1089.2	1095.9	1098.8	1097.3	1104.5	1103.6	1113.6	1126.1	1143.3	1160.1	1184.5
5°	1005.3	1012.5	1018.7	1024.5	1038.4	1042.7	1058.5	1082.5	1114.1	1146.2	1186.5
7.5°	927.2	933.4	943.0	953.6	977.1	981.4	1007.7	1045.1	1089.2	1136.1	1191.7
10°	863.5	869.7	879.8	891.8	921.0	926.3	959.8	1009.6	1067.1	1126.6	1197.5
12.5°	836.2	838.1	843.8	855.8	881.2	884.6	921.5	978.5	1045.6	1119.4	1206.1
15°	834.7	838.6	839.1	845.3	866.4	867.8	901.8	958.4	1032.2	1117.9	1219.0
17.5°	849.1	852.0	847.7	851.5	869.2	871.6	898.5	948.8	1027.8	1124.2	1241.1
20°	887.4	889.8	876.9	871.6	884.6	886.5	912.8	955.0	1032.2	1137.1	1271.3
22.5°	968.9	970.3	938.7	917.2	918.1	919.1	942.1	980.4	1048.9	1160.6	1309.6
25°	1095.9	1094.9	1044.6	1002.9	979.0	973.7	989.0	1021.6	1077.2	1191.7	1359.0
27.5°	1244.4	1237.3	1186.9	1124.6	1072.4	1064.7	1061.4	1075.3	1117.5	1232.9	1419.3
30°	1412.2	1405.4	1351.3	1269.8	1197.5	1185.0	1153.4	1146.2	1177.4	1289.0	1503.2
32.5°	1596.2	1591.8	1527.2	1428.4	1331.7	1317.3	1264.1	1244.9	1269.4	1373.8	1620.1
35°	1750.5	1746.6	1693.0	1591.4	1473.0	1455.3	1401.1	1379.6	1392.0	1482.6	1773.0
37.5°	1889.9	1888.0	1842.0	1762.0	1639.8	1618.2	1557.3	1550.2	1547.8	1625.9	1958.4
40°	2019.3	2014.5	1966.6	1924.4	1833.8	1814.2	1760.5	1754.3	1736.1	1802.2	2168.3
42.5°	2162.6	2150.1	2080.6	2061.0	2036.5	2020.2	1988.1	1989.1	1948.8	2001.1	2390.6
45°	2279.5	2272.3	2200.9	2189.4	2215.7	2209.0	2236.8	2244.0	2165.9	2209.5	2621.6
47.5°	2405.0	2398.3	2337.9	2329.8	2401.2	2403.1	2501.3	2503.7	2377.7	2426.1	2853.1
50°	2559.8	2550.2	2490.3	2500.4	2580.4	2587.6	2767.3	2751.0	2572.7	2646.1	3082.6
52.5°	2661.9	2667.6	2654.7	2671.0	2780.2	2786.9	3028.9	2987.2	2765.8	2863.1	3307.8
55°	2737.1	2748.6	2788.8	2826.2	2991.1	2997.8	3275.7	3212.0	2925.9	3064.4	3519.6
57.5°	2833.9	2817.6	2892.8	2965.7	3191.4	3209.1	3515.8	3428.6	3067.7	3237.8	3664.8
60°	2972.9	2961.4	3019.8	3127.6	3415.6	3443.9	3769.7	3623.6	3171.7	3375.4	3693.1
62.5°	3254.6	3225.9	3235.0	3330.3	3698.3	3735.7	4056.3	3793.7	3223.5	3429.0	3541.6
65°	3675.8	3626.5	3580.5	3646.6	4096.5	4133.4	4379.7	3927.4	3204.3	3325.1	3139.6
67.5°	4206.3	4157.4	4100.9	4163.1	4683.1	4712.3	4778.9	4002.6	3053.4	2924.5	2429.0
70°	4643.8	4625.6	4693.1	4949.5	5619.9	5620.8	5290.7	3940.3	2639.8	2073.4	1405.4
72.5°	4585.8	4574.8	4930.8	5723.4	6800.6	6775.2	5775.1	3468.8	1778.3	935.4	526.6
75°	3762.1	3833.5	4385.0	5709.5	7224.7	7221.3	5478.5	2205.2	735.5	387.7	272.2
77.5°	2017.4	2130.5	2846.8	4215.4	5640.0	5724.8	3851.7	771.5	315.8	248.2	188.3
80°	657.9	756.6	1134.7	2146.3	3664.8	3649.0	1650.8	302.8	216.1	175.9	130.3
82.5°	279.4	290.9	507.0	1013.5	1880.8	1851.6	525.7	173.9	151.9	120.3	80.5
85°	109.3	122.2	223.8	468.6	814.6	796.9	189.8	86.3	97.3	78.6	47.9
87.5°	35.9	43.6	80.0	160.5	253.5	244.4	46.5	29.7	42.2	35.9	17.3
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°	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2	1181.2
2.5°	1191.3	1198.9	1208.0	1221.4	1232.9	1242.5	1252.6	1258.8	1261.2	1268.4	1267.9
5°	1199.9	1216.6	1239.2	1261.2	1282.8	1295.7	1307.2	1313.0	1318.2	1322.1	1323.0
7.5°	1214.3	1235.8	1271.3	1300.0	1318.2	1328.8	1336.4	1334.5	1336.4	1337.4	1338.8
10°	1226.7	1256.9	1299.1	1326.4	1340.3	1340.8	1338.8	1332.1	1328.8	1329.3	1330.2
12.5°	1241.6	1275.1	1320.6	1343.6	1347.5	1336.9	1328.8	1317.3	1313.0	1311.0	1310.1
15°	1261.7	1300.0	1344.1	1352.7	1343.2	1329.7	1315.8	1297.2	1287.6	1279.9	1282.3
17.5°	1286.1	1328.3	1362.3	1356.1	1335.5	1313.4	1290.9	1262.6	1243.0	1234.9	1235.3
20°	1320.2	1358.0	1376.2	1348.9	1317.8	1284.2	1245.9	1211.4	1193.2	1185.0	1184.1
22.5°	1361.4	1397.8	1389.6	1336.4	1292.4	1238.7	1190.8	1165.4	1156.3	1150.5	1151.5
25°	1410.7	1441.9	1399.2	1318.2	1250.7	1178.3	1141.4	1133.3	1129.0	1124.6	1124.6
27.5°	1474.9	1491.7	1406.4	1291.4	1185.5	1114.1	1100.7	1102.1	1100.7	1093.5	1094.9
30°	1559.7	1556.4	1413.1	1247.8	1110.7	1056.1	1057.1	1063.3	1064.3	1059.5	1061.9
32.5°	1671.4	1637.4	1416.5	1191.3	1039.3	1005.3	1006.3	1013.0	1017.8	1009.6	1013.5
35°	1806.5	1731.8	1411.2	1120.3	984.2	956.9	949.7	951.7	953.1	945.4	950.7
37.5°	1964.2	1837.7	1387.7	1041.7	938.7	909.5	894.2	881.2	873.6	866.4	871.2
40°	2137.2	1953.2	1344.6	965.1	887.9	859.2	836.2	811.7	785.9	776.3	780.6
42.5°	2318.3	2072.0	1292.4	891.8	829.5	806.0	781.5	746.1	707.3	687.6	690.0
45°	2506.1	2193.7	1241.1	819.4	769.6	759.5	731.2	688.6	646.4	621.5	619.6
47.5°	2690.1	2308.7	1165.9	746.6	713.5	724.5	702.5	663.2	616.2	576.9	572.6
50°	2866.0	2416.5	1042.7	672.8	668.0	714.0	692.9	636.4	582.7	532.4	528.1
52.5°	3040.4	2503.7	885.1	605.7	643.5	711.1	680.4	618.1	552.5	499.8	494.0
55°	3188.5	2548.8	733.2	548.2	608.1	686.7	665.6	596.6	509.9	453.8	449.0
57.5°	3272.8	2512.4	606.6	491.6	559.2	646.4	640.2	550.6	459.1	415.9	410.2
60°	3236.4	2364.8	503.1	442.3	512.7	602.8	596.1	505.1	420.2	379.5	373.8
62.5°	3035.6	2083.5	421.2	399.2	470.6	558.2	552.0	470.1	390.5	351.2	345.0
65°	2631.2	1694.9	357.5	363.2	427.9	504.6	513.7	440.8	367.1	328.7	322.5
67.5°	2006.8	1227.7	307.6	332.1	386.2	451.9	478.2	419.8	347.4	311.0	305.2
70°	1143.8	697.2	265.5	301.9	349.3	403.0	450.9	403.0	326.3	296.1	292.3
72.5°	433.7	320.1	229.5	271.7	313.9	361.8	420.7	376.6	301.9	279.4	275.5
75°	*231.4*	*195.0*	*193.1*	*236.2*	*273.1*	*321.5*	*382.9*	*350.8*	*283.7*	*295.2*	*304.8*
77.5°	157.7	138.0	161.5	202.2	228.6	277.0	342.6	311.5	245.8	244.9	225.7
80°	109.3	97.8	131.3	162.9	176.8	232.9	299.0	267.4	200.3	186.9	178.7
82.5°	65.6	63.7	98.2	121.7	125.1	179.7	247.7	224.3	163.9	142.8	143.8
85°	35.9	37.9	62.8	71.4	72.8	125.5	194.1	173.5	126.0	105.9	106.9
87.5°	10.1	12.9	23.0	28.3	35.0	65.2	115.5	103.0	63.3	44.1	44.1
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)