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: P1202717

Luminaire Tested: GWC-SB2A-827-U-SL4

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202717
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7731 lumens
Efficiency:	N/A
Efficacy:	134.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
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

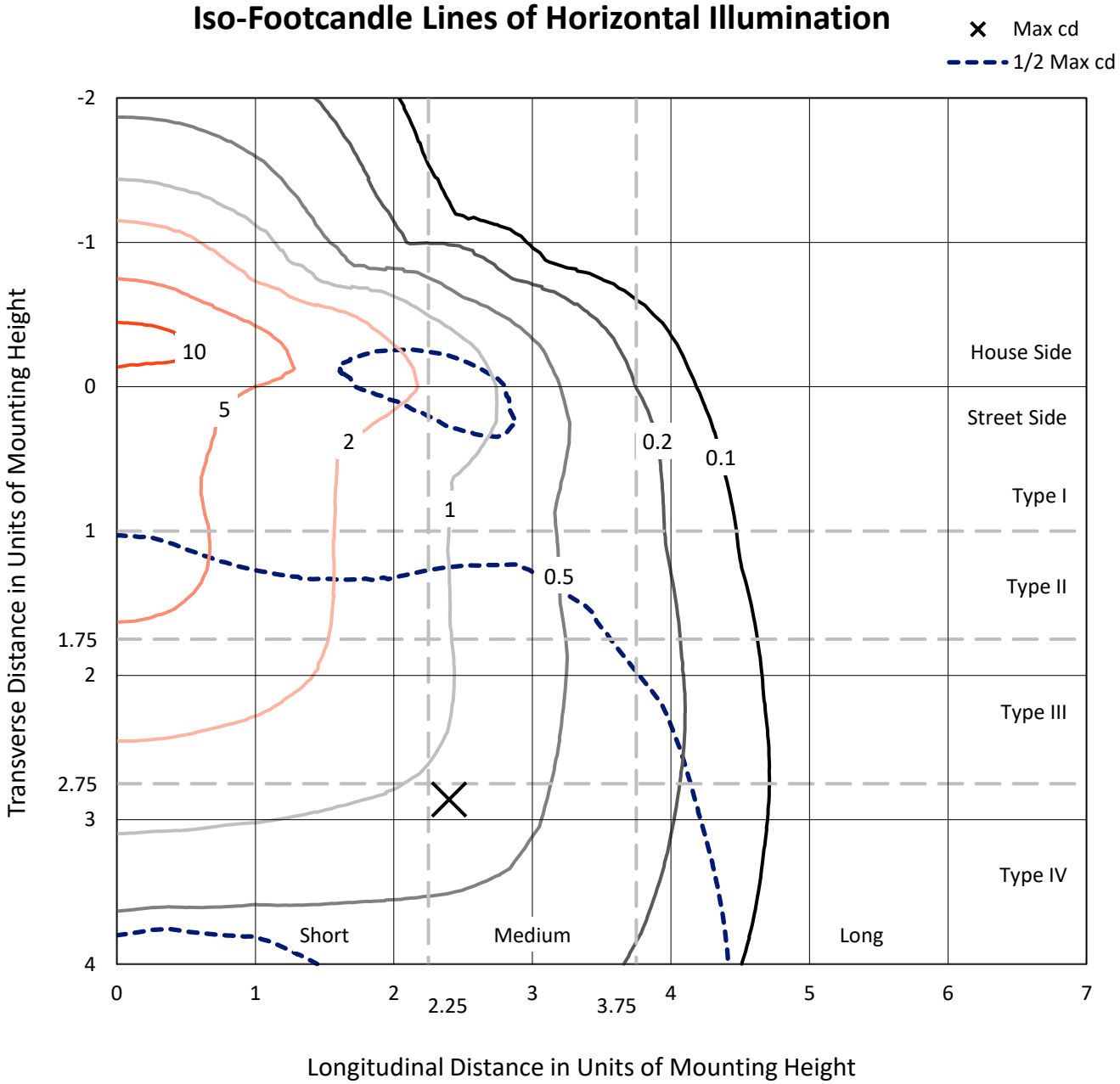


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Iso-Footcandle Lines of Horizontal Illumination



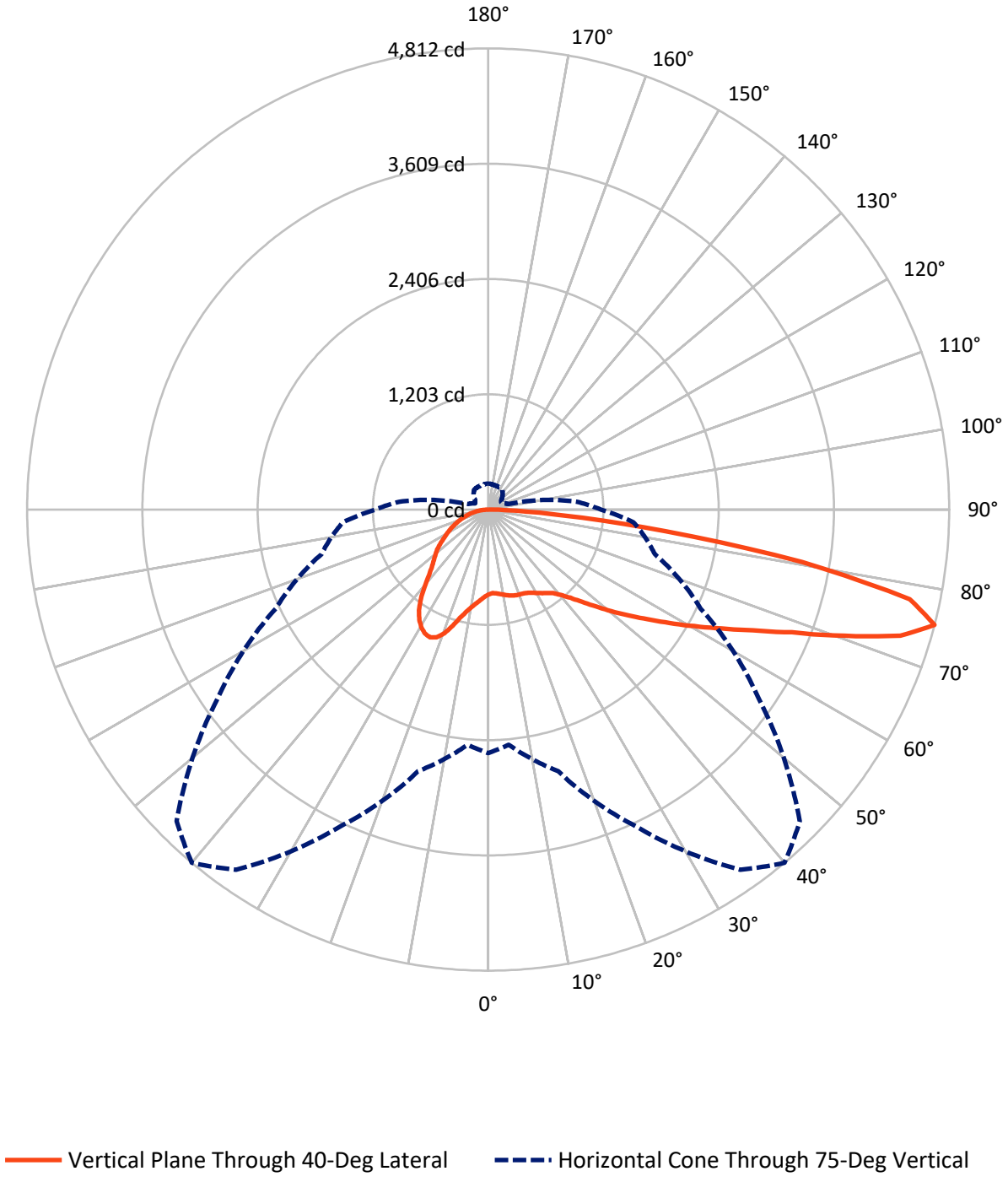
Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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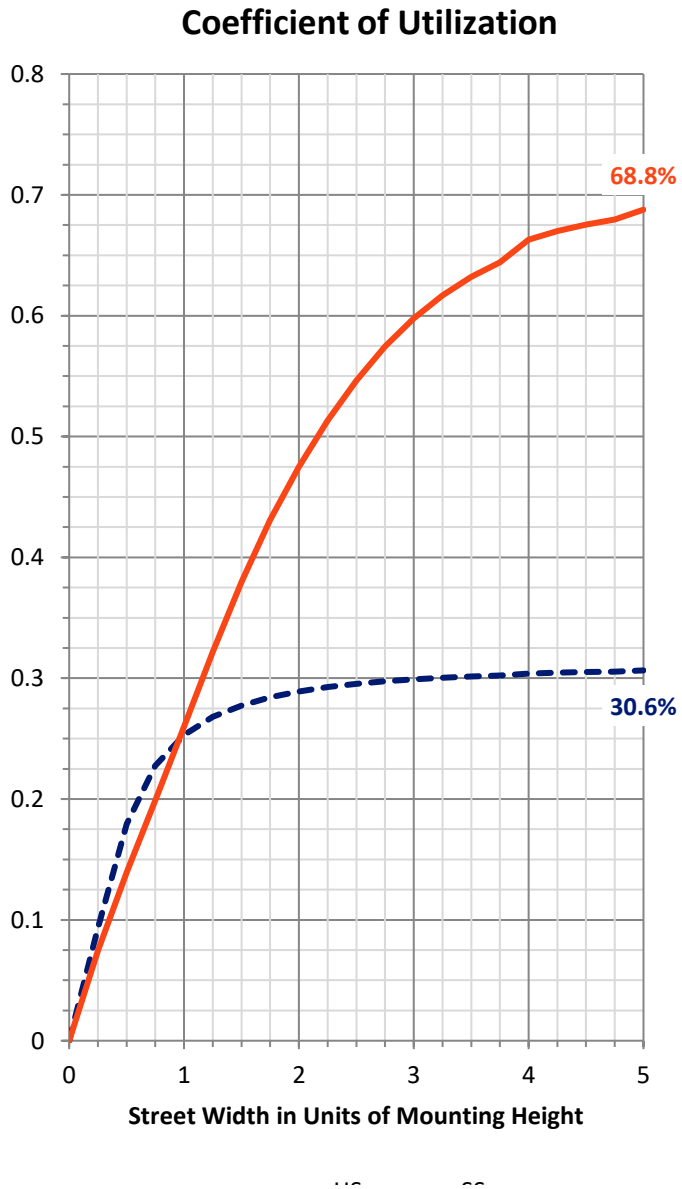
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2395.3	0.0	2395.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5335.7	0.0	5335.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	7731.0	0.0	7731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.1
10°-20°	296.3	3.8
20°-30°	541.0	7.0
30°-40°	767.3	9.9
40°-50°	1036.0	13.4
50°-60°	1393.7	18.0
60°-70°	1769.0	22.9
70°-80°	1605.5	20.8
80°-90°	234.0	3.0
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°	7731.0	100.0
0°-180°	7731.0	100.0



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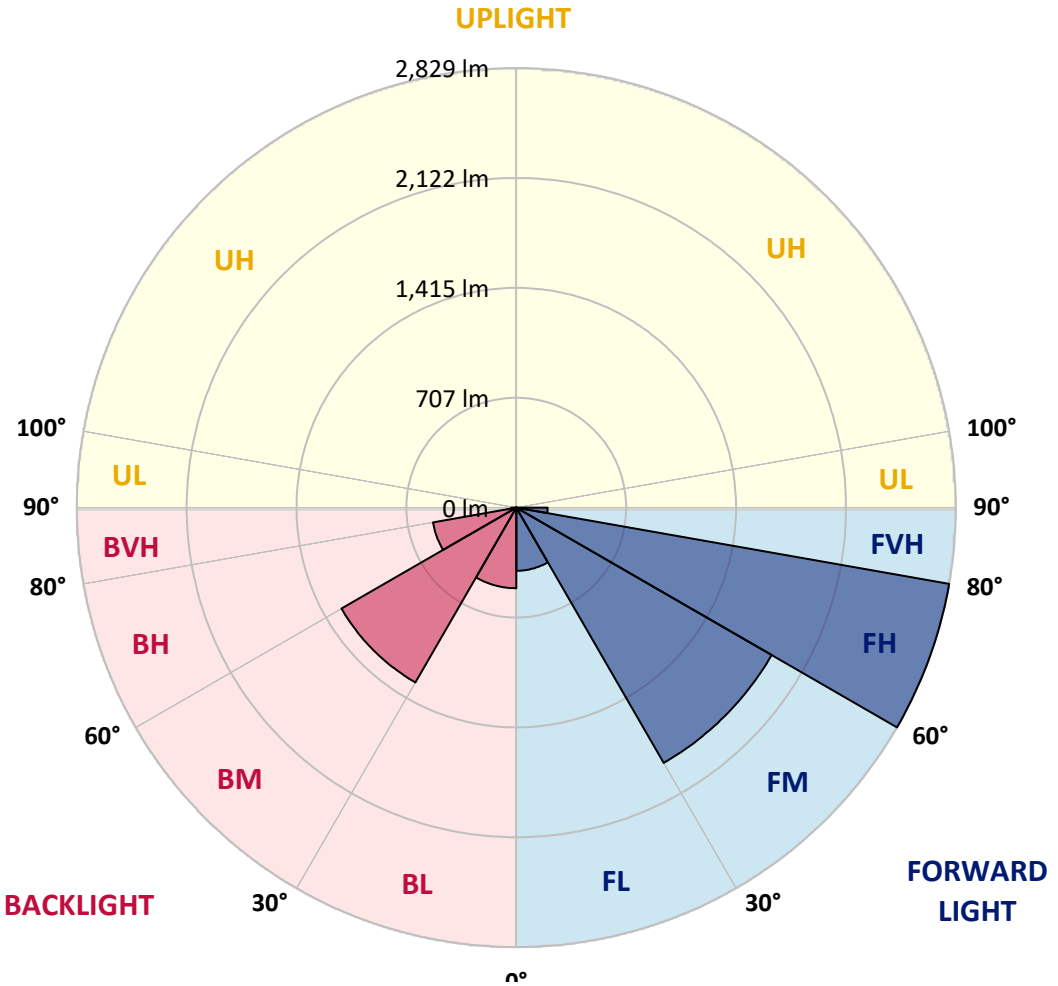
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	406.7	5.3			
FM	(30°-60°)	1897.8	24.5			
FH	(60°-80°)	2829.4	36.6			G2/5000
FVH	(80°-90°)	201.8	2.6			G2/225
BL	(0°-30°)	518.9	6.7	B2/1000		
BM	(30°-60°)	1299.2	16.8	B2/2500		
BH	(60°-80°)	545.0	7.0	B2/1000		G2/1000
BVH	(80°-90°)	32.2	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	884.1	884.1	884.1	884.1	884.1	*884.1*	884.1	884.1	884.1	884.1	884.1
2.5°	870.5	875.4	874.2	872.6	872.6	*873.0*	872.6	875.4	878.3	881.2	885.7
5°	879.5	884.5	882.0	879.9	878.3	*877.9*	876.7	876.3	877.9	881.6	887.7
7.5°	897.2	902.1	898.4	894.7	891.4	*889.8*	888.2	885.7	884.5	886.5	895.1
10°	916.9	921.8	917.3	910.7	905.4	*903.3*	901.7	899.2	897.6	898.8	908.2
12.5°	936.5	941.5	935.3	926.3	919.3	*918.1*	916.0	915.2	914.8	914.4	923.8
15°	955.0	959.1	951.3	940.6	933.3	*931.2*	929.2	930.4	932.4	934.9	945.6
17.5°	969.3	973.4	962.0	948.0	941.0	*940.2*	939.0	943.1	948.8	955.0	968.1
20°	982.5	986.6	971.8	952.9	944.7	*944.7*	945.1	953.8	962.0	971.0	989.0
22.5°	1000.9	1004.2	986.2	960.3	948.4	*949.2*	952.5	961.1	971.4	983.7	1008.7
25°	1028.4	1030.8	1008.7	974.3	960.7	*963.2*	966.1	970.2	980.0	994.4	1028.0
27.5°	1072.7	1074.7	1045.6	998.9	978.4	*982.5*	986.6	983.7	988.2	1000.5	1043.6
30°	1135.0	1136.2	1099.3	1037.4	1008.3	*1010.3*	1011.2	999.3	990.7	1000.5	1054.6
32.5°	1208.8	1208.4	1164.5	1084.2	1042.3	*1040.3*	1033.3	1009.9	989.8	998.5	1064.5
35°	1323.2	1318.7	1262.1	1149.8	1080.9	*1068.2*	1051.8	1021.8	993.9	996.4	1073.1
37.5°	1512.6	1498.7	1420.4	1257.2	1138.3	*1105.9*	1081.7	1041.1	1003.0	995.6	1083.3
40°	1726.3	1708.6	1622.5	1404.4	1224.4	*1172.3*	1133.4	1068.6	1017.7	999.3	1098.5
42.5°	1979.7	1954.7	1862.0	1577.8	1333.5	*1258.0*	1199.4	1103.4	1039.5	1011.2	1119.0
45°	2290.9	2257.7	2126.5	1773.4	1470.8	*1370.4*	1292.0	1156.3	1072.7	1034.1	1149.8
47.5°	2605.4	2613.6	2427.0	1997.3	1635.7	*1509.0*	1408.1	1235.9	1121.1	1071.0	1199.4
50°	2939.6	2945.3	2726.0	2245.4	1822.6	*1665.6*	1538.5	1324.8	1188.3	1123.5	1273.6
52.5°	3200.4	3201.2	2997.4	2504.9	2017.4	*1837.8*	1679.1	1426.5	1266.2	1193.2	1372.4
55°	3363.6	3361.5	3187.7	2750.6	2241.3	*2018.6*	1834.9	1542.2	1361.3	1275.2	1496.7
57.5°	3482.1	3475.9	3318.9	2961.7	2479.9	*2232.3*	2011.3	1673.4	1473.7	1372.8	1660.3
60°	3527.2	3523.5	3407.9	3144.2	2730.9	*2468.5*	2214.6	1820.2	1601.2	1488.0	1870.6
62.5°	3544.4	3551.4	3495.2	3320.9	2999.5	*2730.1*	2438.1	1995.7	1744.7	1618.4	2092.4
65°	3605.1	3617.8	3606.3	3552.2	3302.9	*3036.4*	2734.6	2204.4	1901.4	1758.3	2324.1
67.5°	3725.2	3737.9	3742.9	3829.0	3673.6	*3418.1*	3104.4	2464.4	2084.7	1903.4	2498.4
70°	3722.4	3718.7	3805.6	4049.2	4137.7	*3946.7*	3603.0	2784.2	2303.2	2024.0	2520.5
72.5°	3388.2	3358.7	3564.1	4046.7	4524.0	*4498.6*	4211.9	3196.7	2491.8	2038.7	2187.2
75°	*2541.8*	*2463.1*	*2826.0*	*3646.9*	*4588.4*	*4811.8*	*4599.0*	*3452.6*	*2447.1*	*1801.3*	*1522.1*
77.5°	1087.0	1007.9	1435.6	2699.7	4106.6	*4498.2*	4243.9	3012.2	1953.4	1191.2	747.5
80°	284.6	284.2	433.8	1224.0	2792.8	*3321.7*	2914.2	1945.2	1116.1	425.6	206.3
82.5°	117.7	114.8	159.5	476.1	1364.6	*1864.1*	1521.3	867.6	403.1	115.2	68.5
85°	43.9	43.5	77.5	164.4	481.4	*768.8*	556.4	221.8	100.5	56.2	30.8
87.5°	12.3	11.9	16.8	57.0	117.3	*178.0*	95.1	36.5	28.3	22.1	9.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1	884.1
2.5°	886.9	889.0	892.7	895.5	899.2	903.3	909.1	912.8	916.4	918.9	917.3
5°	890.6	895.1	904.6	914.0	925.1	935.3	947.2	955.8	962.8	964.8	965.6
7.5°	898.8	906.2	922.2	938.2	955.8	972.6	989.8	1004.6	1016.5	1021.0	1021.4
10°	913.2	923.0	945.6	968.1	991.5	1017.3	1039.5	1060.8	1077.6	1084.6	1085.0
12.5°	931.2	943.5	973.0	1004.2	1036.6	1072.3	1101.0	1127.2	1148.1	1157.5	1157.5
15°	954.6	970.6	1008.3	1050.1	1097.7	1147.3	1183.8	1212.9	1236.3	1247.8	1246.9
17.5°	980.0	1001.3	1048.9	1112.0	1180.1	1245.3	1287.9	1309.3	1333.5	1344.5	1344.1
20°	1004.6	1030.8	1098.9	1190.8	1281.4	1350.7	1385.1	1390.9	1392.5	1393.7	1397.0
22.5°	1030.0	1065.3	1161.6	1290.0	1387.2	1435.1	1440.1	1415.5	1381.0	1365.0	1369.5
25°	1057.9	1104.7	1243.7	1399.5	1478.2	1483.9	1446.2	1386.4	1321.2	1291.2	1295.7
27.5°	1085.0	1150.2	1342.1	1504.0	1543.8	1493.4	1412.2	1327.3	1248.6	1217.0	1220.7
30°	1112.0	1202.2	1450.7	1595.5	1573.7	1470.0	1358.5	1263.7	1184.6	1151.4	1155.1
32.5°	1139.5	1262.9	1575.8	1661.5	1568.4	1420.4	1291.6	1192.4	1122.7	1087.8	1092.4
35°	1170.7	1337.6	1694.3	1697.6	1532.7	1347.4	1203.5	1107.1	1046.4	1018.5	1024.7
37.5°	1211.3	1432.3	1798.9	1706.6	1470.4	1240.4	1094.0	1006.2	956.2	943.5	952.5
40°	1261.7	1546.3	1878.8	1692.2	1378.2	1110.4	974.3	904.1	875.8	878.7	888.6
42.5°	1327.3	1673.8	1935.0	1655.3	1249.8	976.3	869.3	838.1	851.7	863.1	873.8
45°	1412.6	1806.2	1969.8	1592.6	1104.7	862.7	807.4	814.8	825.0	826.2	834.4
47.5°	1521.7	1940.3	1992.8	1497.9	956.6	782.8	768.0	769.6	767.6	759.0	765.5
50°	1657.8	2070.7	2013.3	1372.4	830.7	732.7	713.1	707.3	679.0	651.1	654.8
52.5°	1812.8	2190.4	2021.9	1216.6	732.7	690.9	658.9	622.9	570.0	561.3	564.2
55°	1985.0	2301.2	1999.8	1025.1	650.3	637.2	588.8	545.4	539.6	532.2	533.5
57.5°	2190.9	2420.5	1954.7	811.5	565.9	574.5	527.3	532.2	522.0	510.5	508.5
60°	2416.0	2543.9	1875.5	616.7	478.5	496.2	511.3	510.9	508.0	498.6	495.3
62.5°	2618.5	2625.1	1719.7	472.4	401.8	435.5	476.9	476.5	474.0	468.7	466.6
65°	2739.1	2612.8	1459.7	371.9	338.7	385.4	430.1	433.4	433.8	433.4	433.4
67.5°	2717.8	2468.9	1103.0	296.1	286.6	334.6	383.8	388.3	391.6	392.4	393.2
70°	2476.7	2152.7	719.2	236.2	240.3	289.9	339.9	344.4	347.3	350.6	352.2
72.5°	1930.5	1582.8	411.7	191.1	199.7	251.4	296.5	301.8	303.4	309.6	312.0
75°	*1176.4*	*930.8*	*222.2*	*150.5*	*164.0*	*214.9*	*253.4*	*259.6*	*262.4*	*269.8*	*270.6*
77.5°	559.3	403.1	126.7	117.3	132.0	175.5	214.0	221.0	213.2	217.3	214.0
80°	189.0	149.7	80.0	89.4	100.9	137.0	171.4	178.4	162.0	161.1	159.5
82.5°	66.0	60.7	50.8	59.5	65.2	98.0	129.6	138.6	120.6	120.1	114.4
85°	25.8	24.6	28.3	32.4	39.0	60.3	85.3	89.8	74.2	59.9	59.0
87.5°	5.3	5.7	7.0	7.4	11.9	20.9	30.8	37.7	29.9	25.4	23.4
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)