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: P1202355

Luminaire Tested: GWC-SB1D-827-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202355
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8878 lumens
Efficiency:	N/A
Efficacy:	111.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

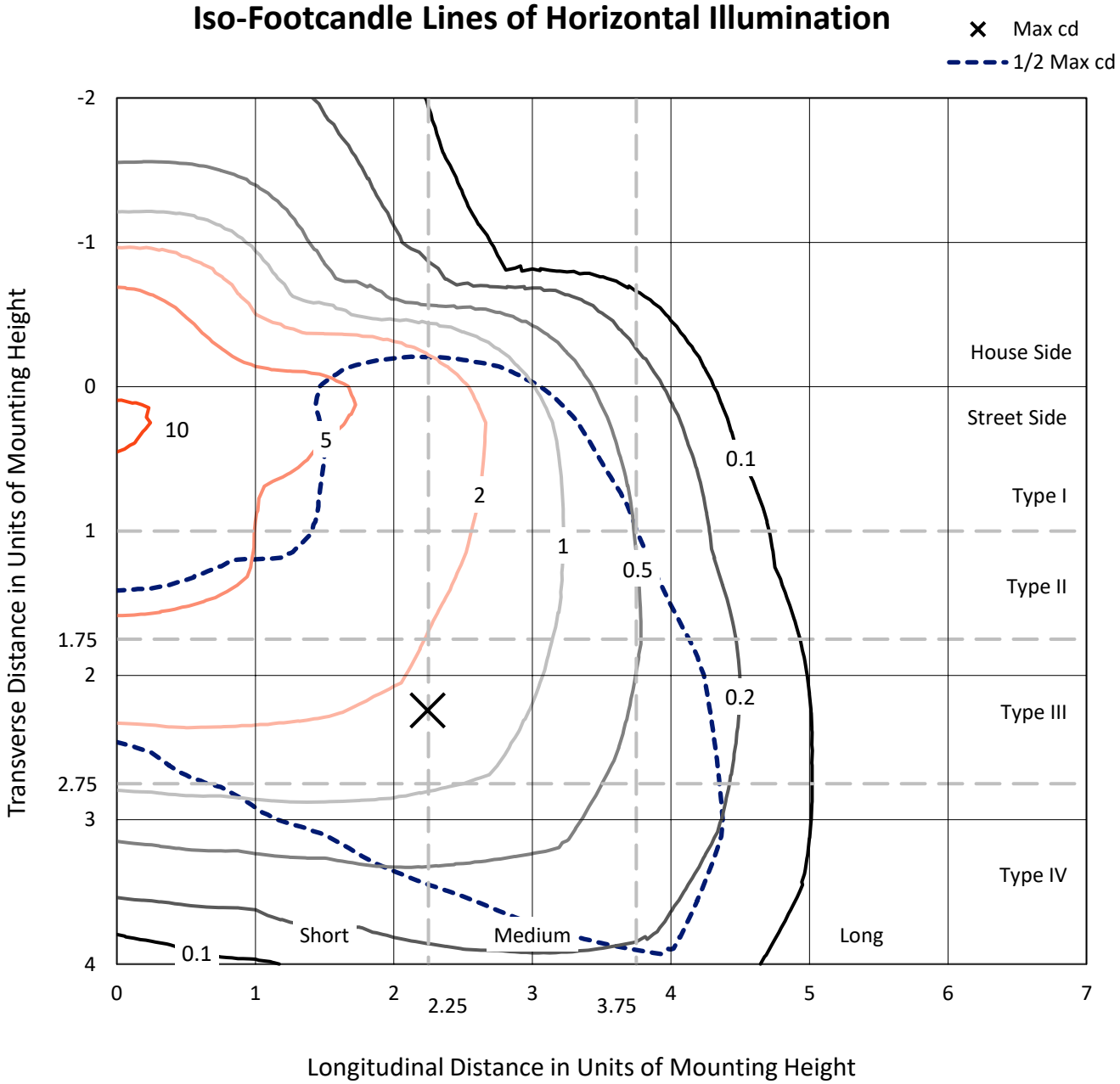


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Iso-Footcandle Lines of Horizontal Illumination



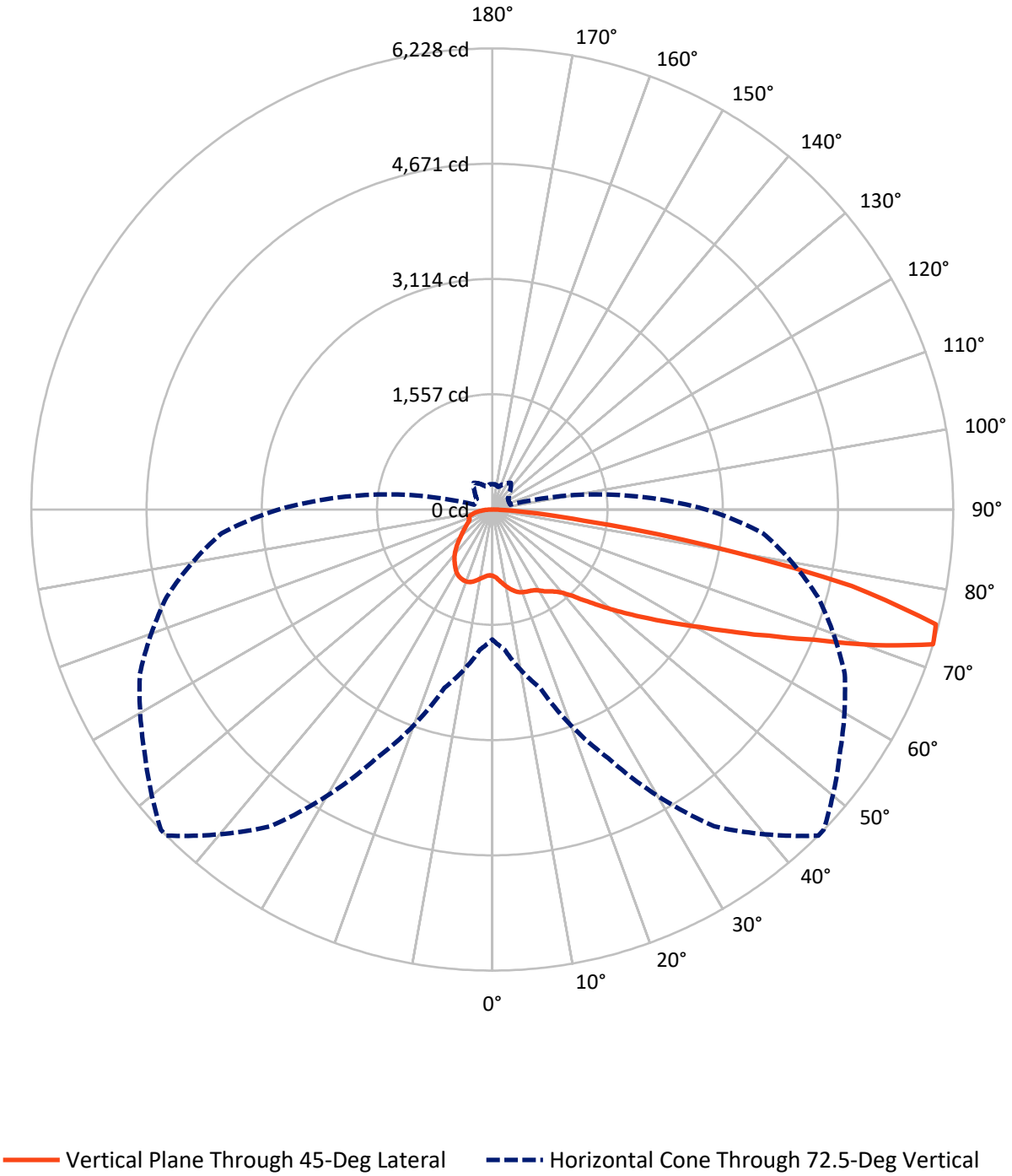
Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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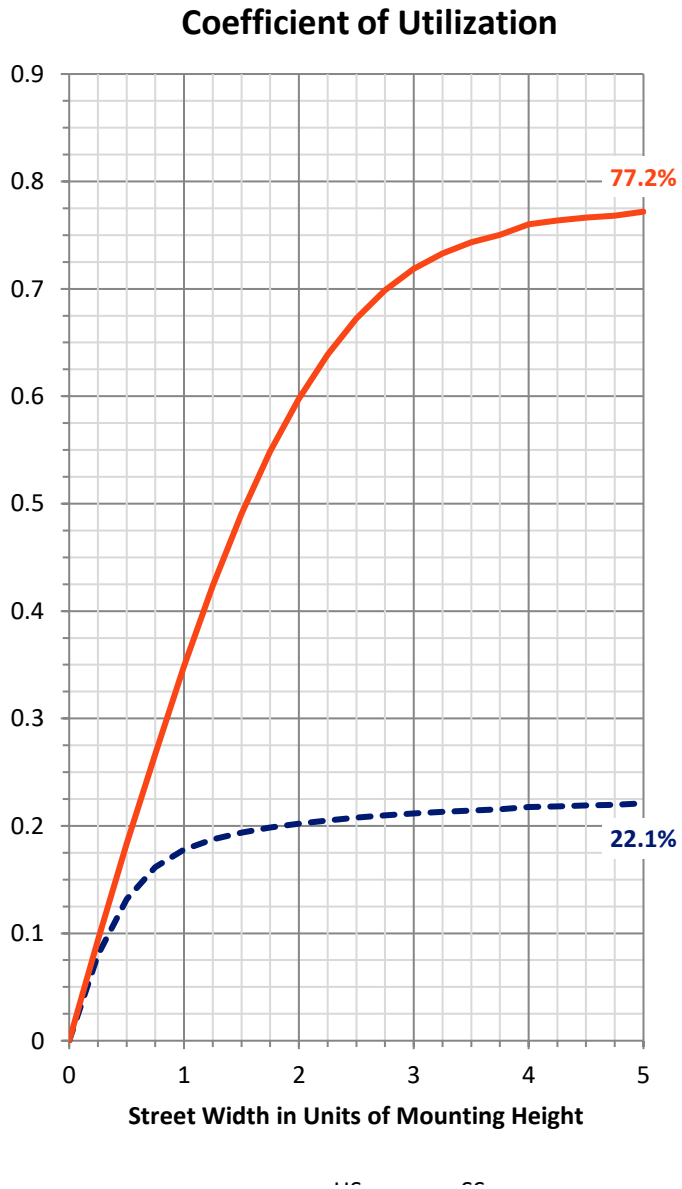
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2007.0	0.0	2007.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6871.0	0.0	6871.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	8878.0	0.0	8878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.0
10°-20°	303.9	3.4
20°-30°	528.7	6.0
30°-40°	757.9	8.5
40°-50°	1067.2	12.0
50°-60°	1634.6	18.4
60°-70°	2368.0	26.7
70°-80°	1891.0	21.3
80°-90°	235.5	2.7
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°	8878.0	100.0
0°-180°	8878.0	100.0



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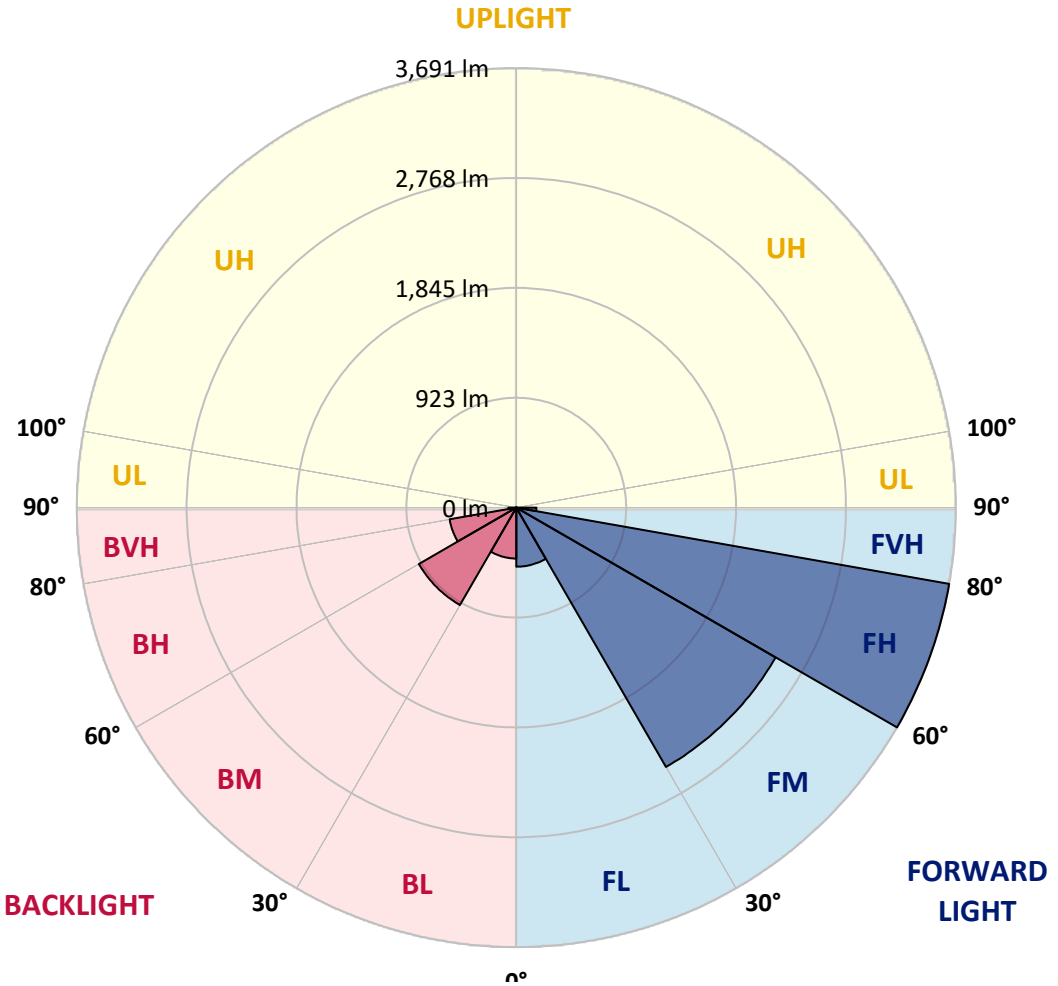
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	496.5	5.6			
FM	(30°-60°)	2514.7	28.3			
FH	(60°-80°)	3690.8	41.6			G2/5000
FVH	(80°-90°)	169.0	1.9			G2/225
BL	(0°-30°)	427.3	4.8	B1/500		
BM	(30°-60°)	945.0	10.6	B1/1000		
BH	(60°-80°)	568.1	6.4	B2/1000		G2/1000
BVH	(80°-90°)	66.6	0.7			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°	45°	46°	55°	65°	75°	85°
0°	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6
2.5°	930.7	936.8	931.2	926.0	923.7	917.6	917.1	913.4	911.1	904.5	902.6
5°	995.7	1003.7	994.3	984.0	974.7	959.7	957.8	947.1	934.9	920.9	912.9
7.5°	1069.1	1076.1	1065.4	1050.0	1033.6	1008.8	1008.3	988.7	969.5	945.7	932.1
10°	1133.2	1142.6	1128.1	1107.0	1086.4	1058.4	1055.1	1032.6	1008.3	977.5	956.9
12.5°	1189.8	1196.3	1182.3	1156.6	1132.7	1104.7	1100.5	1075.7	1048.6	1013.5	987.3
15°	1234.7	1243.1	1224.4	1196.8	1171.6	1144.0	1140.2	1117.8	1090.6	1053.7	1020.0
17.5°	1264.2	1271.2	1252.0	1221.1	1196.8	1173.9	1171.1	1152.4	1128.5	1091.1	1055.1
20°	1275.4	1282.9	1262.8	1231.4	1209.0	1191.2	1189.8	1176.2	1159.9	1125.7	1089.2
22.5°	1286.6	1293.6	1267.4	1234.7	1215.0	1203.8	1203.4	1194.5	1187.9	1159.9	1124.3
25°	1332.0	1333.8	1298.8	1251.5	1223.5	1213.6	1213.2	1212.7	1215.5	1193.5	1162.2
27.5°	1371.3	1370.8	1340.9	1296.4	1252.9	1232.4	1231.9	1236.6	1245.4	1227.2	1201.5
30°	1428.8	1423.6	1388.1	1341.8	1302.0	1270.2	1267.4	1263.2	1270.2	1255.7	1240.8
32.5°	1550.8	1534.5	1477.0	1394.6	1342.7	1318.4	1314.7	1288.5	1291.3	1282.4	1274.9
35°	1725.8	1704.2	1627.5	1494.7	1393.2	1358.6	1356.8	1323.5	1317.9	1310.0	1312.8
37.5°	1933.9	1907.2	1817.9	1639.7	1480.2	1405.4	1402.6	1372.7	1349.7	1341.3	1357.2
40°	2142.9	2109.3	2035.4	1816.5	1608.4	1483.5	1474.6	1429.2	1403.1	1389.0	1422.7
42.5°	2345.9	2317.8	2254.7	2014.8	1766.4	1597.6	1578.0	1500.3	1480.7	1467.6	1528.4
45°	2525.5	2500.2	2453.9	2226.6	1951.7	1752.9	1733.7	1607.0	1600.9	1600.9	1688.8
47.5°	2671.4	2665.8	2616.7	2442.7	2170.1	1929.7	1896.5	1755.2	1771.6	1796.8	1916.6
50°	2833.2	2817.8	2765.4	2655.5	2426.8	2132.2	2105.1	1937.2	1998.4	2067.6	2245.8
52.5°	2982.0	2990.4	2931.9	2877.2	2716.8	2358.1	2310.4	2151.8	2284.2	2398.8	2631.7
55°	3134.9	3135.4	3119.0	3111.5	3020.8	2607.8	2555.4	2410.0	2620.4	2762.6	3081.6
57.5°	3278.5	3279.4	3303.7	3369.7	3373.4	2895.9	2836.5	2727.1	2994.1	3139.1	3545.5
60°	3406.6	3413.2	3479.6	3633.9	3683.5	3226.1	3170.0	3101.7	3380.4	3526.3	4033.3
62.5°	3449.6	3473.5	3621.3	3840.6	3989.8	3631.1	3575.9	3535.2	3786.4	3922.0	4441.1
65°	3376.7	3431.4	3717.2	4011.3	4305.0	4112.4	4057.6	4013.2	4208.2	4335.9	4776.0
67.5°	3197.6	3268.2	3711.6	4190.5	4687.6	4691.4	4640.4	4536.1	4660.5	4709.6	4885.0
70°	2725.7	2831.4	3384.6	4257.3	5126.8	5483.1	5434.0	5165.6	5111.8	4874.2	4578.2
72.5°	1756.2	1898.3	2492.3	3706.9	5224.5	6228.2	6225.4	5733.8	5254.4	4554.3	3671.8
75°	640.7	727.7	1158.0	2326.7	4385.5	6190.3	6208.5	5636.5	4796.6	3517.9	2287.4
77.5°	233.4	255.4	377.9	894.2	2697.1	4966.8	5004.7	4506.1	3414.1	1765.5	906.4
80°	122.5	134.7	193.6	347.0	1155.7	2949.7	3009.1	2678.0	1604.6	531.8	271.7
82.5°	67.8	73.4	108.5	188.5	520.5	1261.3	1296.9	1057.9	564.5	225.4	112.2
85°	36.5	38.8	51.0	102.9	254.4	437.3	447.1	316.2	225.0	132.4	54.3
87.5°	10.8	13.1	16.8	32.7	99.6	98.2	100.6	62.7	88.9	66.9	17.8
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°	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6
2.5°	899.8	898.4	893.3	890.9	888.1	887.7	890.0	890.5	890.9	891.4	893.3
5°	908.2	903.6	898.9	896.1	897.0	897.5	902.2	905.4	907.8	909.6	910.6
7.5°	924.6	920.9	912.9	912.5	913.9	918.1	924.1	931.6	935.8	939.1	940.0
10°	948.9	941.9	932.6	934.0	936.8	942.9	955.5	961.6	968.6	974.7	973.3
12.5°	973.7	967.6	956.9	957.8	962.5	973.3	985.4	992.9	997.6	1002.2	1004.1
15°	1006.0	995.2	983.5	983.5	992.0	1003.7	1009.3	1015.3	1018.2	1023.3	1025.2
17.5°	1039.2	1025.2	1009.7	1008.8	1019.1	1024.7	1028.0	1028.9	1029.8	1035.5	1037.3
20°	1072.4	1057.0	1035.0	1033.1	1035.5	1034.5	1034.1	1033.1	1034.5	1041.5	1044.3
22.5°	1105.1	1087.4	1057.0	1048.6	1042.0	1033.1	1032.6	1032.2	1033.1	1040.1	1044.8
25°	1143.5	1122.0	1081.3	1056.0	1034.1	1021.9	1023.3	1023.8	1024.7	1030.3	1037.8
27.5°	1185.1	1161.3	1103.7	1053.7	1013.9	1005.5	1003.2	1004.6	1007.9	1016.7	1025.6
30°	1226.7	1198.7	1124.3	1044.3	988.7	977.0	969.5	972.8	983.1	992.0	1001.8
32.5°	1264.6	1236.6	1140.7	1023.8	956.4	938.2	928.4	932.6	942.9	946.1	957.8
35°	1309.1	1277.2	1147.7	991.0	921.3	893.3	880.2	874.1	879.2	876.0	886.3
37.5°	1358.6	1325.4	1146.8	948.0	880.2	847.9	829.7	806.8	796.0	784.8	791.8
40°	1432.1	1384.3	1135.5	896.1	829.2	799.7	767.0	728.2	703.9	681.9	683.3
42.5°	1532.1	1466.2	1115.0	839.0	771.7	744.1	699.7	654.3	615.9	579.5	576.2
45°	1681.3	1573.3	1089.2	778.2	709.5	682.4	634.2	583.2	539.7	492.9	487.3
47.5°	1896.5	1717.3	1064.9	709.0	644.0	619.2	575.7	528.5	477.0	431.7	426.5
50°	2192.0	1924.1	1042.5	641.7	579.5	560.8	526.1	478.0	426.1	389.6	387.2
52.5°	2568.1	2205.1	1033.1	576.7	519.1	512.1	484.5	439.6	390.5	359.7	357.3
55°	2999.7	2541.4	1033.1	514.5	466.3	468.6	449.4	407.8	365.3	337.7	334.9
57.5°	3440.3	2881.9	1014.4	456.9	421.4	431.2	419.0	382.6	344.2	315.7	311.0
60°	3846.2	3167.2	938.6	404.5	381.6	397.1	389.1	357.8	311.0	287.2	283.4
62.5°	4158.2	3328.0	792.7	362.9	348.9	366.7	362.5	325.0	304.9	295.1	291.8
65°	4314.4	3301.9	606.1	326.0	321.3	348.9	340.0	338.6	322.7	311.5	307.7
67.5°	4218.5	3076.4	439.6	298.9	305.4	332.5	366.7	372.3	342.8	320.8	317.1
70°	3798.1	2668.6	327.4	273.1	285.3	333.0	418.1	389.6	336.3	310.5	306.3
72.5°	*2889.4*	*1990.0*	*254.0*	*246.0*	*259.1*	*335.3*	*441.0*	*381.6*	*317.6*	*343.3*	*340.5*
75°	1652.3	1092.5	203.9	212.8	226.4	313.3	429.3	361.1	303.1	315.2	315.2
77.5°	630.0	420.0	168.4	180.1	181.9	273.6	410.6	359.7	288.6	281.5	256.8
80°	218.4	164.2	139.4	143.1	140.8	243.2	393.8	312.9	236.2	211.4	204.4
82.5°	89.3	81.8	110.4	105.7	100.1	188.9	318.0	255.8	193.2	170.7	168.8
85°	38.8	51.9	73.0	64.1	58.0	131.0	254.9	216.5	163.2	140.8	140.3
87.5°	8.0	19.6	30.9	29.0	29.9	87.5	181.0	153.9	115.5	86.5	67.8
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)