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: P1203090

Luminaire Tested: GWC-SB2B-827-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203090
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6834 lumens
Efficiency:	N/A
Efficacy:	92.5 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

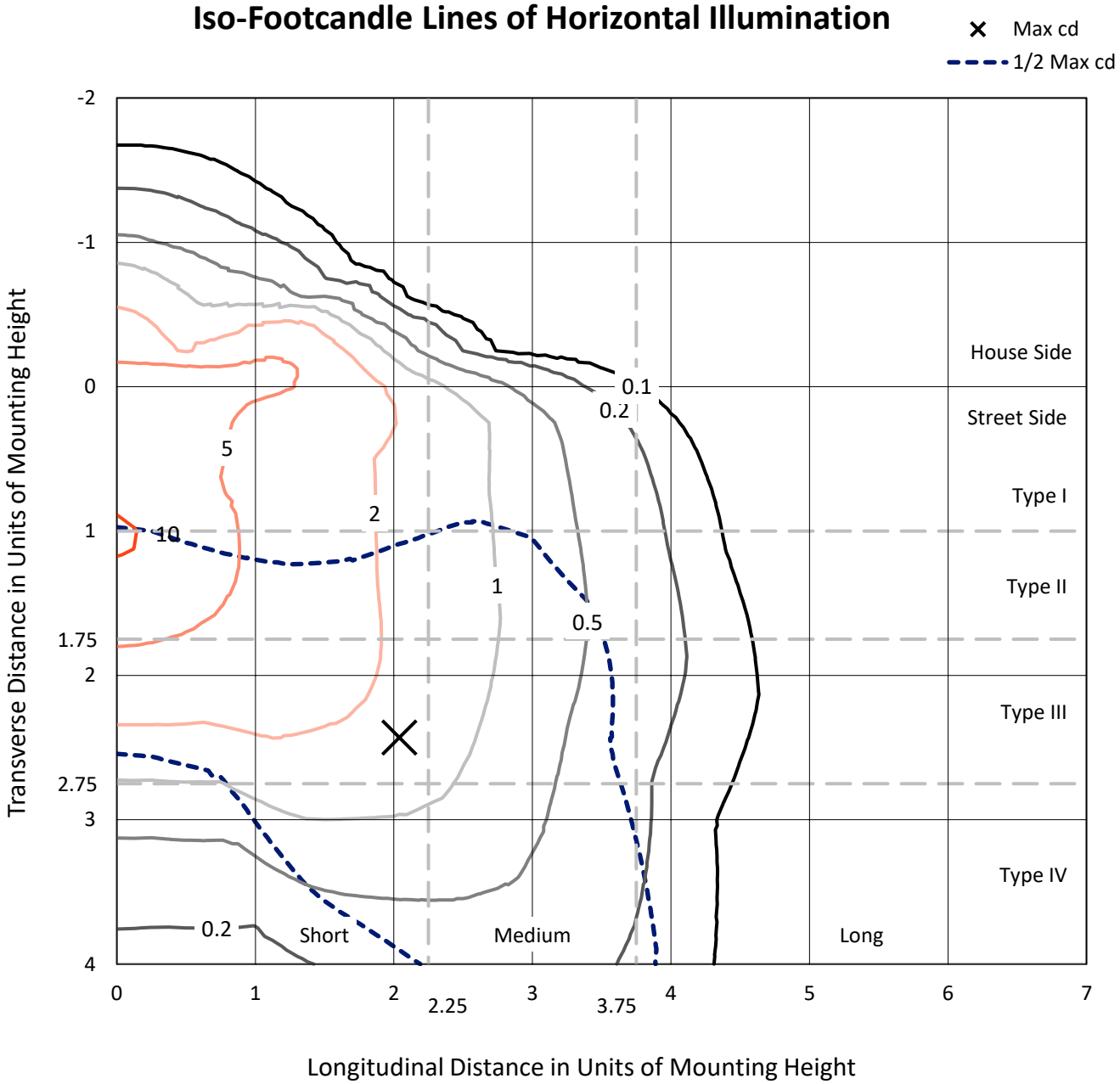


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Iso-Footcandle Lines of Horizontal Illumination



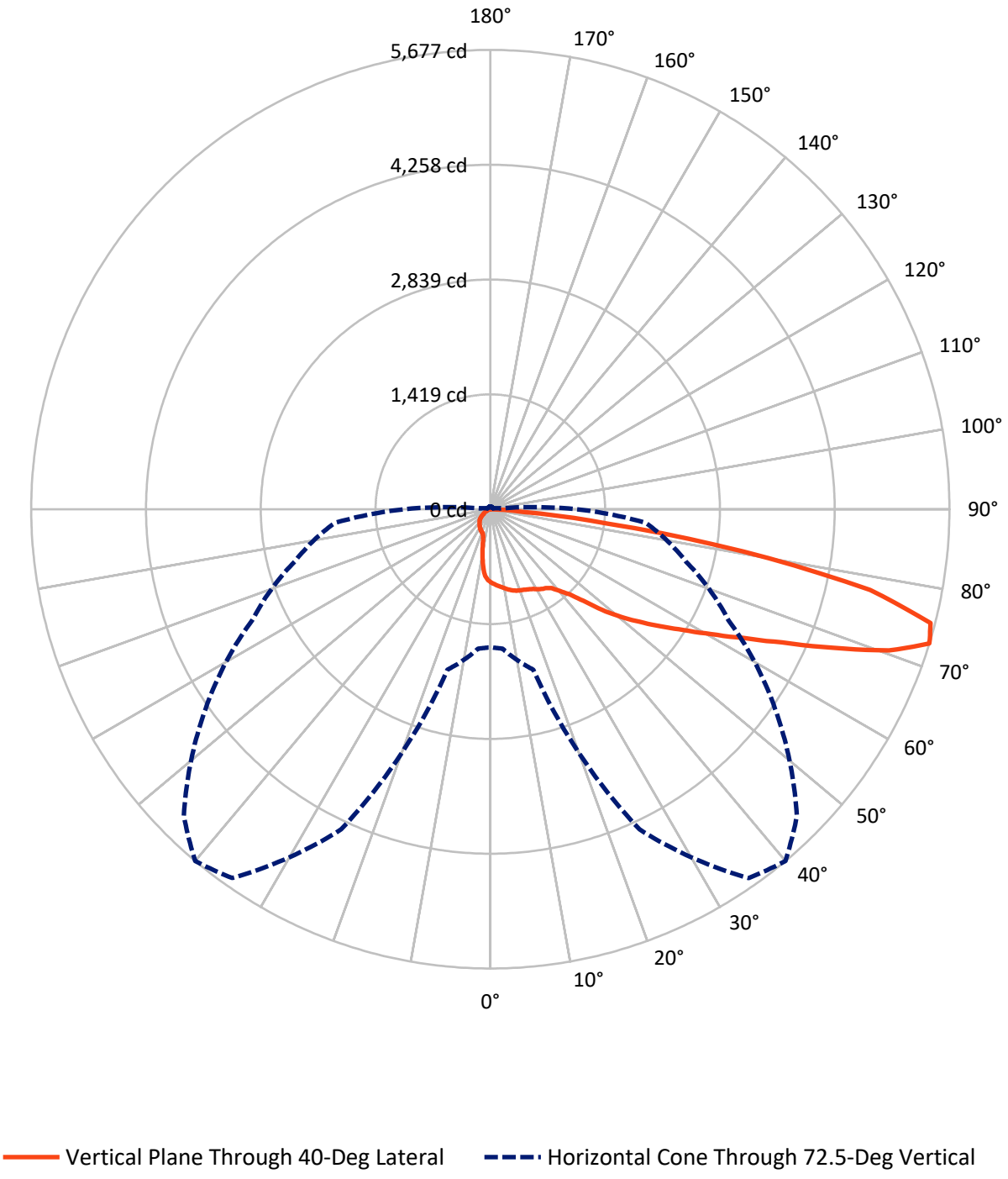
Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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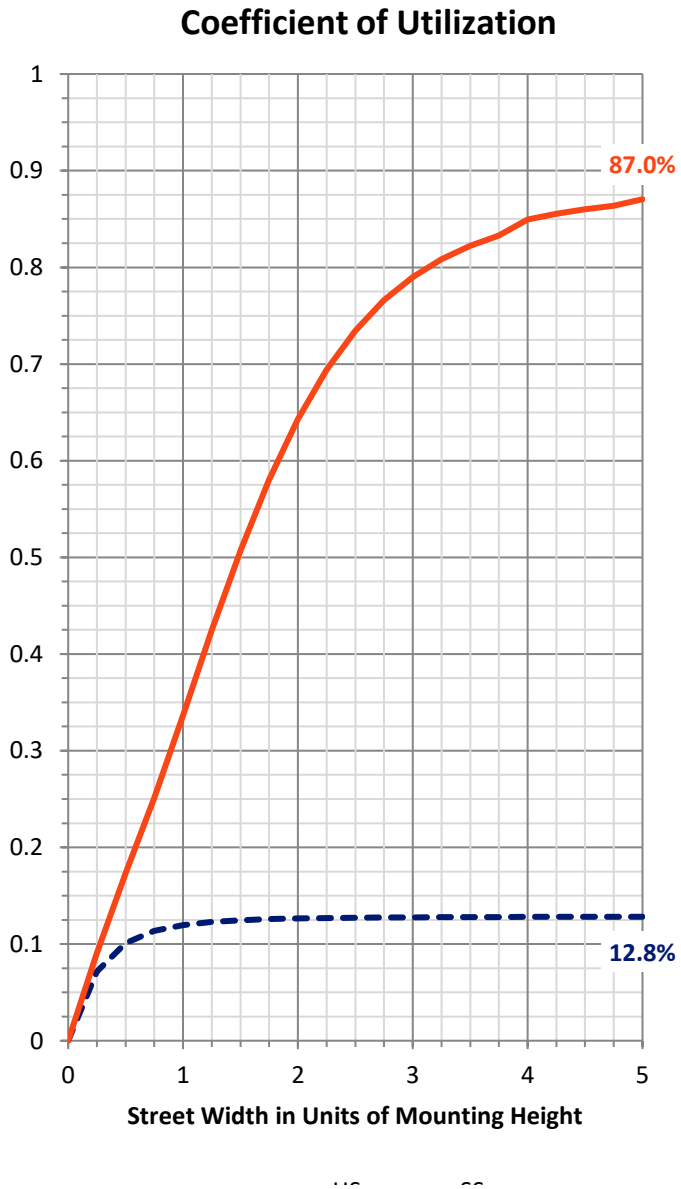
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	882.5	0.0	882.5
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5951.5	0.0	5951.5
	% Fixture	87.1	0.0	87.1
Total	Lumens	6834.0	0.0	6834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	1.2
10°-20°	224.4	3.3
20°-30°	363.1	5.3
30°-40°	536.1	7.8
40°-50°	902.3	13.2
50°-60°	1401.0	20.5
60°-70°	1753.1	25.7
70°-80°	1435.2	21.0
80°-90°	136.1	2.0
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°	6834.0	100.0
0°-180°	6834.0	100.0



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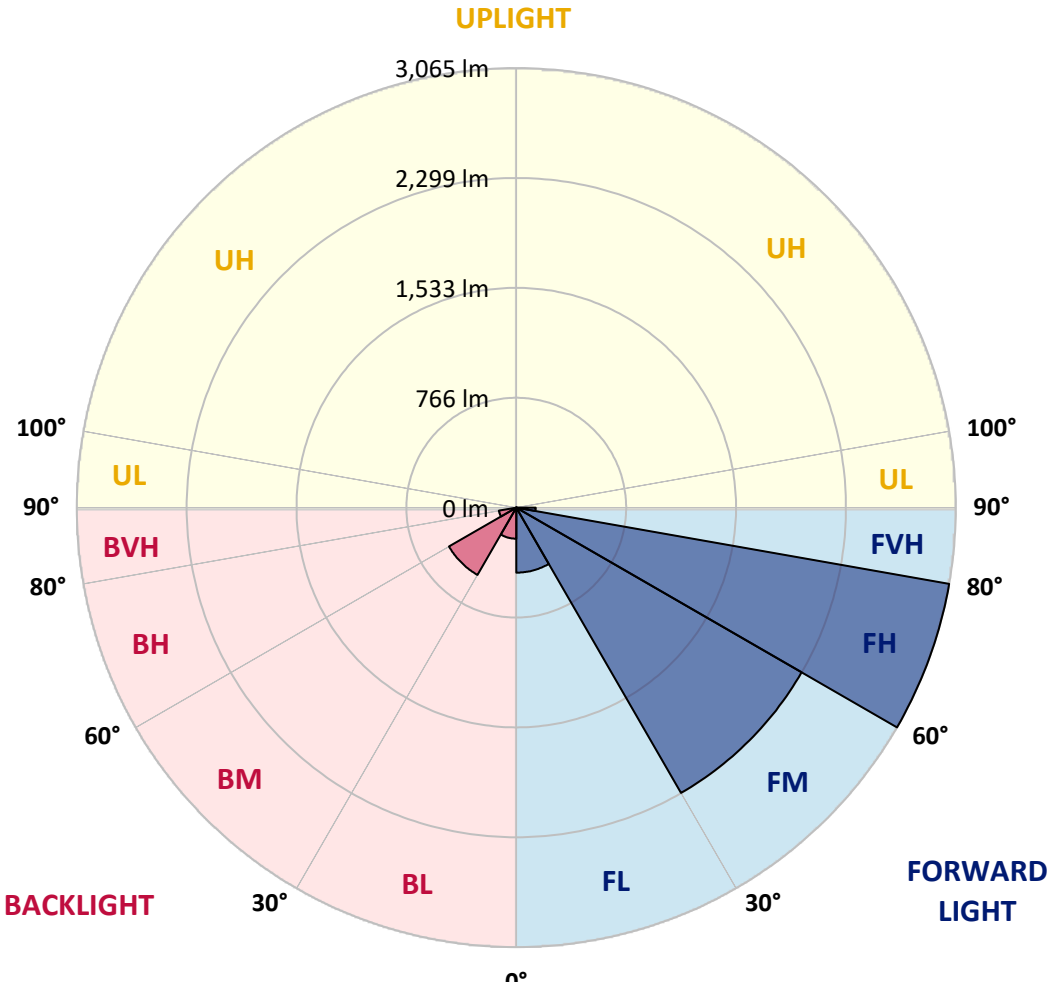
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	453.6	6.6			
FM	(30°-60°)	2297.5	33.6			
FH	(60°-80°)	3065.4	44.9			G2/5000
FVH	(80°-90°)	135.1	2.0			G2/225
BL	(0°-30°)	216.6	3.2	B1/500		
BM	(30°-60°)	541.9	7.9	B1/1000		
BH	(60°-80°)	122.9	1.8	B1/500		G1/500
BVH	(80°-90°)	1.0	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°	40°	45°	55°	65°	75°	85°
0°	904.9	904.9	904.9	904.9	904.9	*904.9*	904.9	904.9	904.9	904.9	904.9
2.5°	932.2	935.8	933.7	929.6	928.6	*926.5*	923.9	922.9	919.3	916.2	912.6
5°	958.4	962.0	959.4	953.8	951.2	*948.6*	945.0	941.9	934.7	928.0	919.8
7.5°	987.2	990.3	987.2	979.0	974.9	*971.8*	966.6	962.0	953.8	944.0	933.7
10°	1019.1	1021.7	1017.1	1006.3	999.6	*995.0*	990.3	985.2	977.5	966.6	954.3
12.5°	1049.0	1052.1	1044.9	1032.0	1024.3	*1019.7*	1014.5	1010.4	1002.7	992.4	979.5
15°	1076.3	1080.9	1068.6	1054.7	1045.9	*1042.3*	1037.2	1034.6	1029.4	1022.2	1010.4
17.5°	1096.9	1100.0	1087.1	1070.6	1060.8	*1058.3*	1054.7	1056.2	1055.2	1051.6	1043.9
20°	1114.4	1116.4	1099.4	1079.4	1068.6	*1069.1*	1068.0	1073.2	1075.2	1075.2	1074.7
22.5°	1136.0	1136.5	1114.9	1089.7	1076.8	*1080.4*	1081.9	1087.6	1091.7	1095.8	1105.1
25°	1164.3	1163.3	1137.5	1103.0	1091.7	*1096.9*	1100.5	1102.5	1107.2	1113.9	1135.0
27.5°	1206.5	1203.4	1170.5	1124.7	1111.3	*1115.9*	1122.6	1121.6	1119.5	1124.7	1160.2
30°	1260.0	1255.9	1212.2	1155.0	1142.7	*1146.8*	1148.9	1139.6	1124.7	1129.3	1182.3
32.5°	1345.0	1337.8	1277.0	1189.0	1170.0	*1174.6*	1172.0	1153.0	1130.8	1135.5	1204.4
35°	1492.7	1475.2	1389.2	1260.0	1200.8	*1195.7*	1189.5	1171.0	1143.7	1139.1	1223.0
37.5°	1806.7	1775.8	1629.1	1398.5	1270.8	*1237.4*	1218.3	1199.8	1157.6	1139.1	1244.1
40°	2160.8	2129.4	1960.1	1630.1	1387.2	*1330.6*	1285.3	1233.8	1172.0	1145.8	1277.0
42.5°	2530.4	2495.9	2321.9	1917.3	1553.4	*1437.1*	1352.7	1261.1	1195.7	1166.4	1320.8
45°	2943.2	2899.9	2672.4	2216.9	1794.8	*1614.2*	1461.3	1317.2	1236.9	1202.9	1380.5
47.5°	3378.6	3322.5	3021.9	2507.7	2054.8	*1859.2*	1660.0	1417.5	1297.6	1257.5	1461.3
50°	3764.7	3709.1	3382.7	2811.9	2297.7	*2092.3*	1886.4	1556.5	1388.7	1334.7	1569.9
52.5°	4042.1	3999.9	3711.1	3125.9	2550.4	*2311.1*	2091.8	1718.1	1504.0	1433.5	1698.1
55°	4227.9	4189.3	3943.8	3423.4	2844.3	*2552.0*	2294.1	1893.7	1643.0	1551.9	1839.6
57.5°	4340.6	4318.5	4112.1	3689.0	3135.7	*2815.5*	2525.7	2086.7	1806.7	1691.4	1997.6
60°	4380.8	4362.8	4216.6	3942.2	3487.7	*3132.1*	2798.0	2304.4	2005.3	1849.9	2159.8
62.5°	4273.7	4277.3	4291.7	4242.3	3858.9	*3502.7*	3124.3	2565.9	2225.6	2029.5	2312.1
65°	3769.8	3799.7	4073.5	4574.8	4350.4	*3966.9*	3539.7	2885.0	2477.9	2233.9	2433.1
67.5°	3121.3	3164.5	3505.2	4769.4	4874.4	*4569.7*	4118.3	3291.6	2778.5	2441.8	2478.9
70°	2389.3	2435.7	2848.5	4728.7	5364.9	*5228.5*	4833.7	3808.9	3089.9	2586.0	2362.0
72.5°	*1705.3*	*1728.9*	*2054.2*	*4366.9*	*5566.2*	*5677.4*	*5360.8*	*4298.9*	*3248.9*	*2506.2*	*1926.6*
75°	1198.3	1194.1	1409.8	3516.6	5252.7	*5622.8*	5176.0	4033.9	2940.1	1990.9	1188.0
77.5°	521.9	523.0	704.1	2135.6	4192.4	*4802.3*	4302.5	2526.8	2049.6	1055.2	501.3
80°	135.4	139.5	258.4	850.3	2524.2	*3169.6*	2624.0	1110.8	947.1	257.4	95.7
82.5°	47.9	51.0	118.9	267.1	931.1	*1453.6*	1168.4	355.2	247.1	73.6	25.7
85°	13.9	16.5	63.8	81.8	192.5	*410.7*	283.6	69.0	60.7	38.1	6.7
87.5°	0.0	2.1	12.9	11.3	11.3	*7.7*	14.4	7.7	9.8	4.6	2.1
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°	904.9	904.9	904.9	904.9	904.9	904.9	904.9	904.9	904.9	904.9	904.9
2.5°	909.5	905.9	898.2	890.0	882.2	875.0	873.0	865.2	861.6	862.2	861.6
5°	914.1	907.5	892.5	874.5	856.0	834.9	817.4	792.7	771.6	769.0	767.4
7.5°	926.5	915.7	891.5	856.5	810.2	752.0	698.0	644.4	614.1	597.6	596.6
10°	945.5	931.1	894.1	827.2	728.8	624.9	543.0	475.6	441.1	425.2	422.1
12.5°	968.2	952.2	898.2	777.2	623.8	487.4	398.9	357.7	350.5	349.5	349.0
15°	1000.1	982.6	902.8	709.8	510.1	371.1	330.4	331.0	336.6	339.7	339.2
17.5°	1035.6	1018.1	896.1	627.4	397.9	317.1	316.0	320.7	328.9	332.0	331.5
20°	1071.6	1055.2	872.4	530.7	321.7	302.1	306.3	311.4	319.6	323.8	323.8
22.5°	1108.7	1094.3	834.9	427.7	290.3	291.3	296.5	301.6	310.9	315.5	315.5
25°	1148.3	1136.0	784.9	342.8	276.9	280.0	286.7	292.9	302.7	308.3	308.3
27.5°	1188.5	1179.2	728.3	286.2	264.6	268.2	275.9	284.1	293.9	300.6	301.1
30°	1232.2	1227.1	683.0	265.1	252.7	255.8	264.6	273.8	284.6	292.9	293.9
32.5°	1277.0	1276.0	660.9	280.5	241.9	244.0	251.7	261.0	274.3	284.6	285.7
35°	1321.3	1323.3	648.0	324.3	238.3	232.7	237.8	246.0	262.0	274.9	276.9
37.5°	1377.9	1383.1	647.5	371.6	247.1	221.3	224.9	230.6	244.5	259.4	262.0
40°	1462.3	1489.6	680.5	412.3	262.5	211.0	212.1	213.1	220.3	232.7	236.8
42.5°	1574.5	1654.3	799.4	440.1	268.7	201.8	198.2	192.5	191.5	198.2	201.8
45°	1714.0	1853.5	1008.3	455.5	262.5	191.5	181.7	166.8	161.1	165.7	165.7
47.5°	1878.2	2071.7	1255.9	459.1	252.2	178.6	161.1	141.5	136.9	138.5	137.9
50°	2038.3	2235.4	1473.6	429.3	235.2	162.1	138.5	122.0	118.9	119.4	119.4
52.5°	2179.8	2291.5	1535.4	358.8	212.6	142.1	118.9	107.6	105.5	105.5	105.0
55°	2273.5	2230.8	1369.2	274.3	184.3	121.5	101.9	96.3	95.2	94.7	93.7
57.5°	2293.1	2033.1	1034.1	198.2	144.1	102.4	90.6	87.5	85.4	83.4	82.4
60°	2223.1	1703.7	658.3	138.5	108.1	87.5	80.3	78.2	74.1	70.0	68.5
62.5°	2071.7	1286.8	364.4	96.3	87.0	74.6	71.0	68.5	60.7	54.0	52.0
65°	1868.4	855.5	161.1	75.1	71.0	62.8	60.7	57.1	47.9	40.1	38.6
67.5°	1664.1	492.6	72.6	60.2	57.1	51.5	49.9	47.4	40.7	33.5	32.4
70°	1430.9	249.6	49.9	47.9	44.3	39.1	40.7	40.1	33.5	27.3	26.3
72.5°	*1065.5*	*124.0*	*37.6*	*36.0*	*31.9*	*27.8*	*33.5*	*32.9*	*26.3*	*20.6*	*19.6*
75°	603.3	61.3	27.3	25.2	19.0	20.6	26.8	25.2	18.0	13.4	12.4
77.5°	239.3	31.4	18.0	15.4	11.3	13.9	19.6	17.0	9.3	5.7	5.1
80°	55.1	15.4	9.3	6.7	5.1	8.2	10.3	6.2	2.6	0.5	0.0
82.5°	15.4	6.7	3.1	2.6	2.6	3.1	2.6	1.0	0.0	0.0	0.0
85°	5.1	3.1	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	2.1	1.0	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)