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: P1202254

Luminaire Tested: GWC-SB1D-735-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202254
	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-SB1D-735-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS 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:	7142 lumens
Efficiency:	N/A
Efficacy:	89.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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

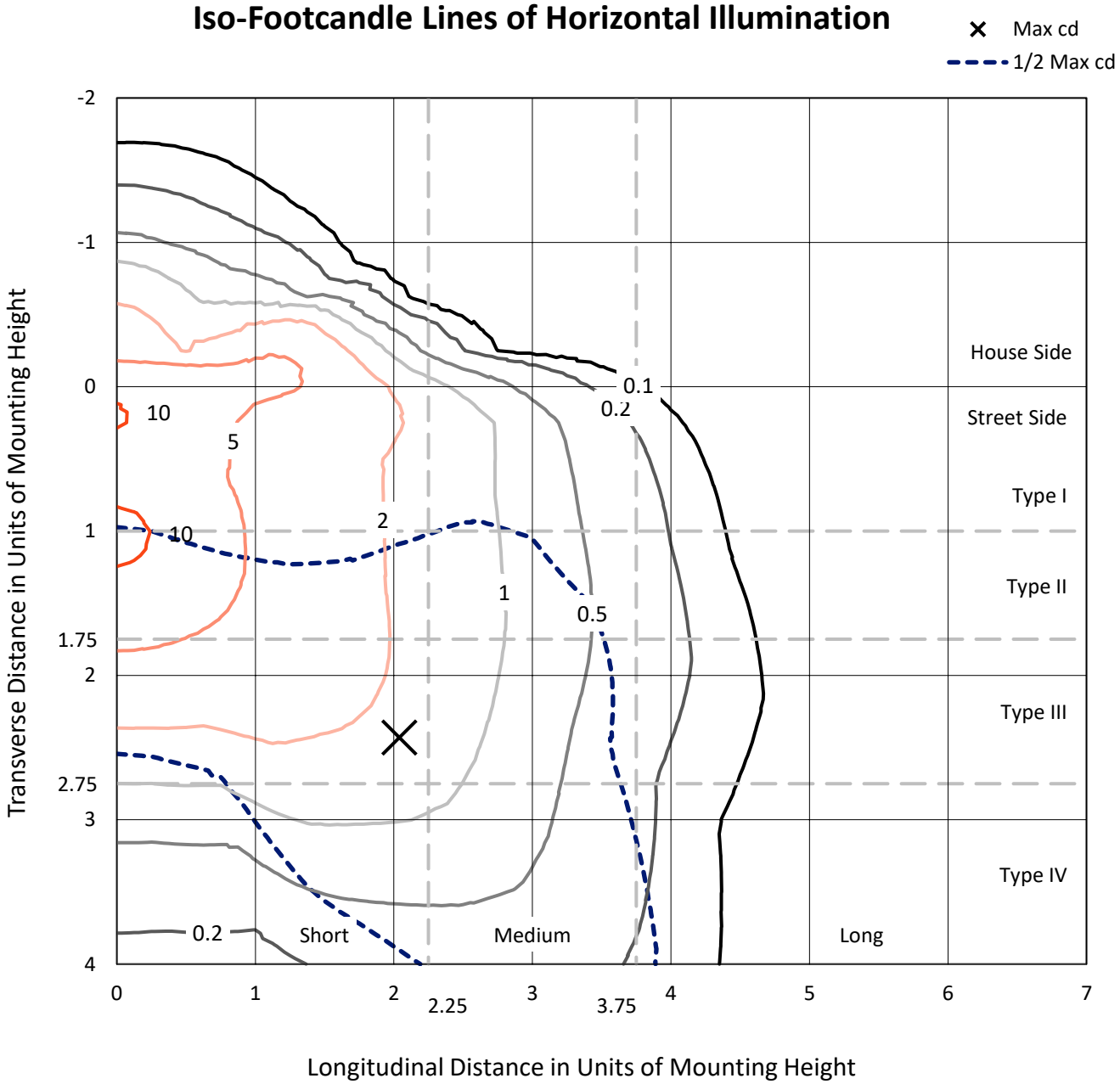


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Iso-Footcandle Lines of Horizontal Illumination



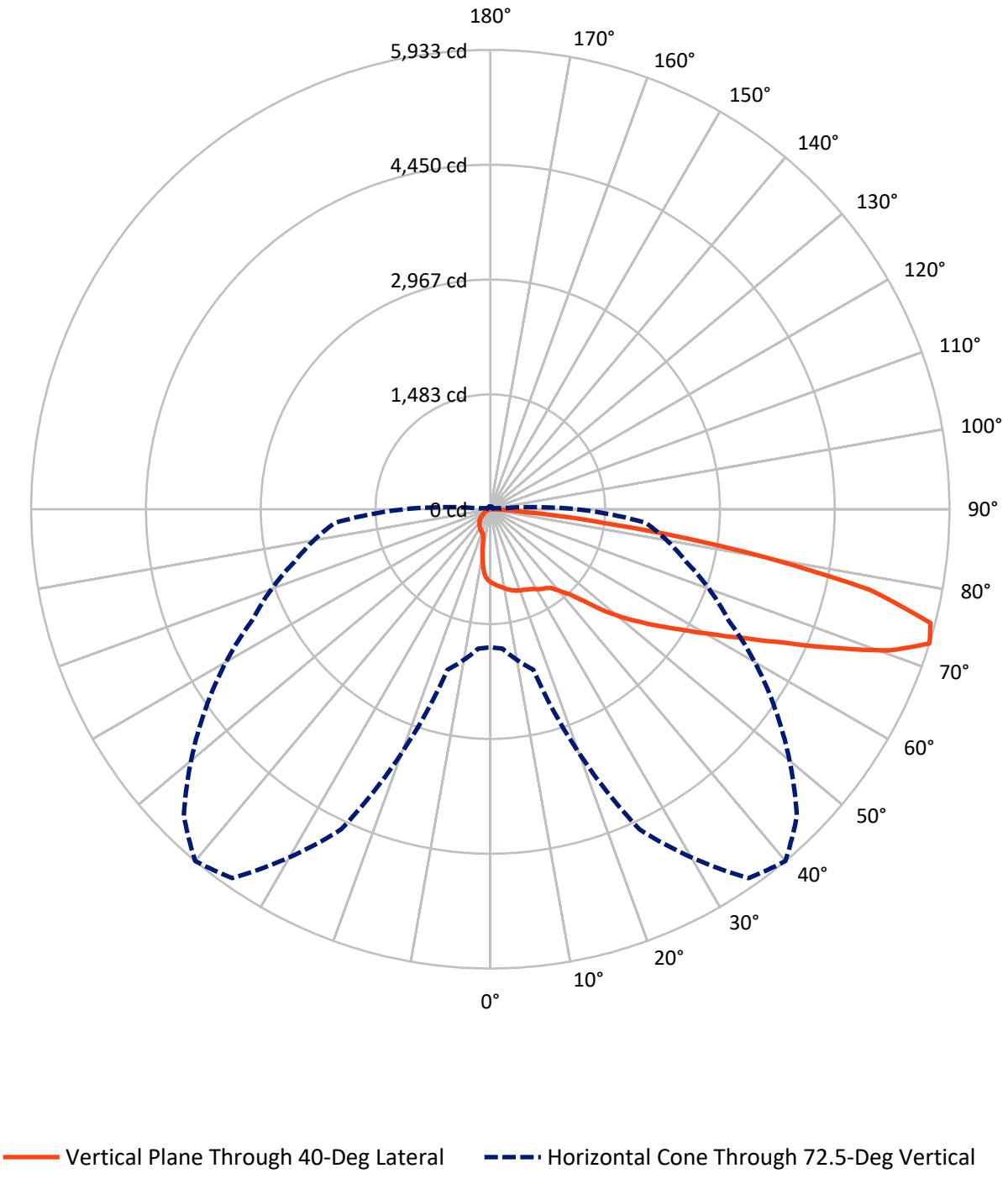
Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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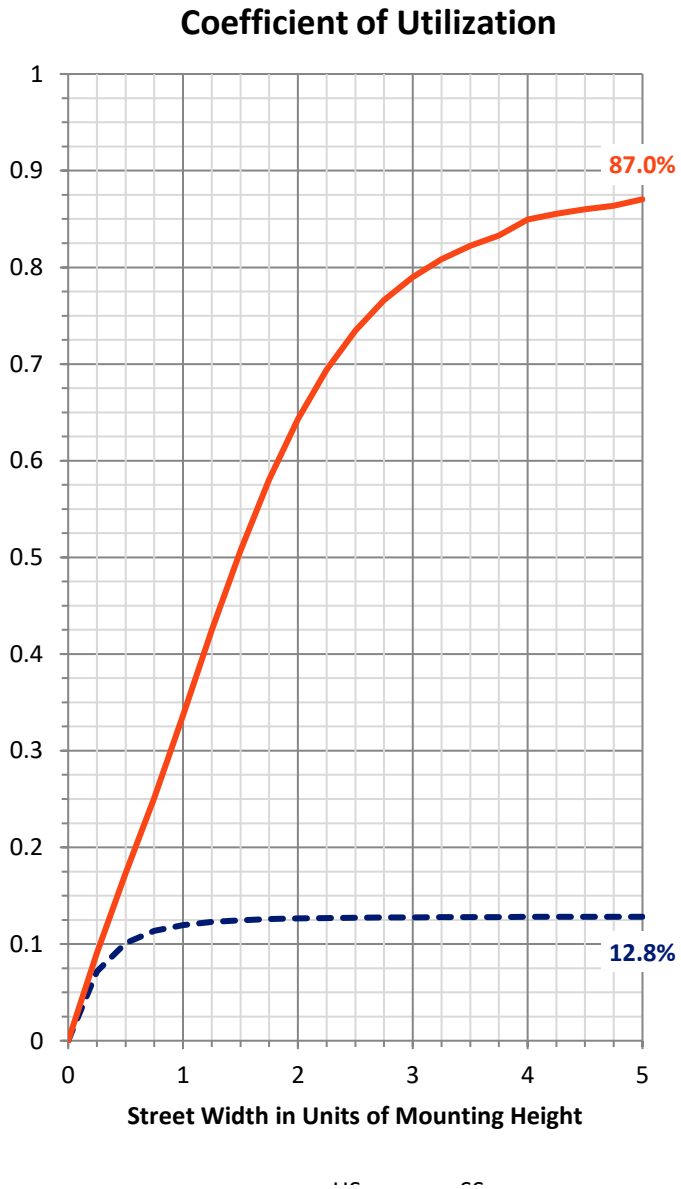
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	922.3	0.0	922.3
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	6219.7	0.0	6219.7
	% Fixture	87.1	0.0	87.1
Total	Lumens	7142.0	0.0	7142.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.2
10°-20°	234.5	3.3
20°-30°	379.5	5.3
30°-40°	560.3	7.8
40°-50°	943.0	13.2
50°-60°	1464.2	20.5
60°-70°	1832.1	25.7
70°-80°	1499.9	21.0
80°-90°	142.2	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°	7142.0	100.0
0°-180°	7142.0	100.0



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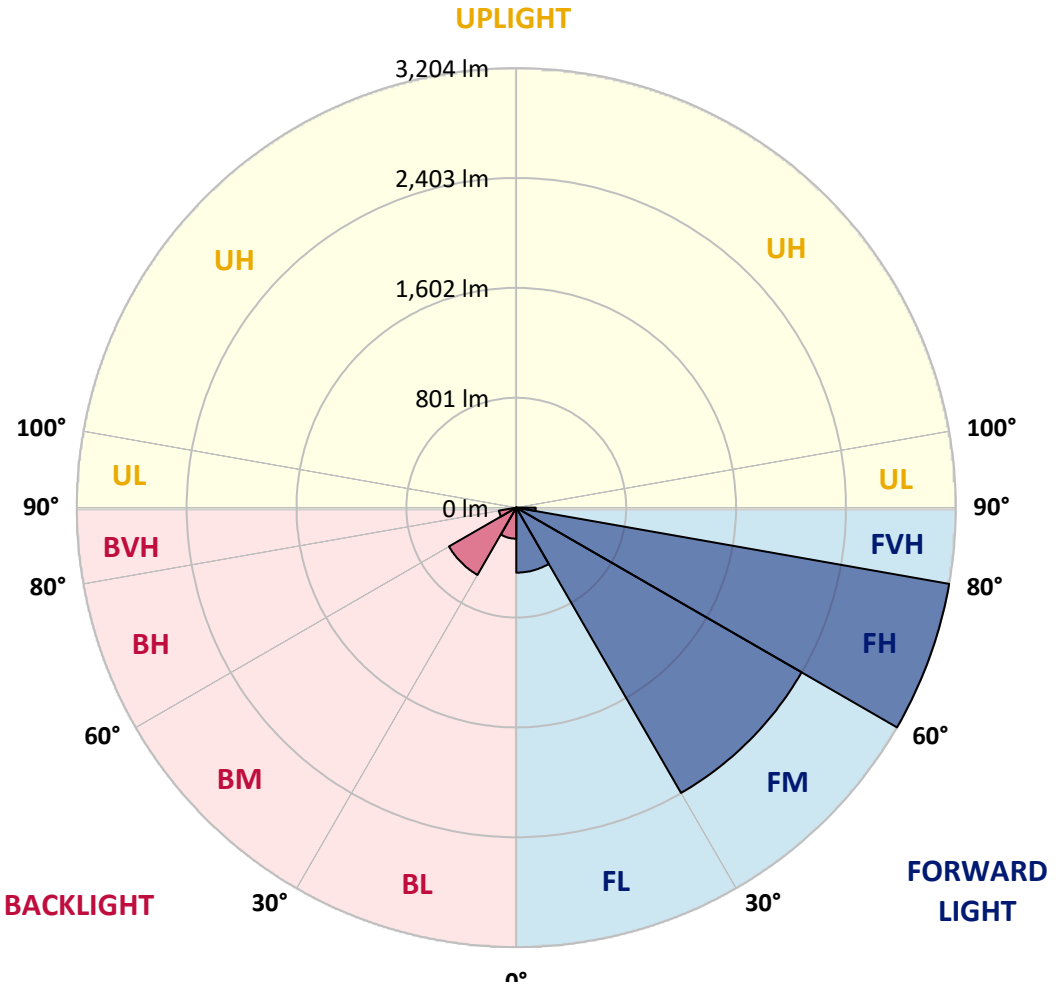
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	474.0	6.6			
FM	(30°-60°)	2401.0	33.6			
FH	(60°-80°)	3203.5	44.9			G2/5000
FVH	(80°-90°)	141.1	2.0			G2/225
BL	(0°-30°)	226.4	3.2	B1/500		
BM	(30°-60°)	566.4	7.9	B1/1000		
BH	(60°-80°)	128.5	1.8	B1/500		G1/500
BVH	(80°-90°)	1.1	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°	945.7	945.7	945.7	945.7	945.7	*945.7*	945.7	945.7	945.7	945.7	945.7
2.5°	974.2	977.9	975.8	971.5	970.4	*968.3*	965.6	964.5	960.7	957.5	953.7
5°	1001.6	1005.4	1002.7	996.8	994.1	*991.4*	987.6	984.4	976.9	969.9	961.3
7.5°	1031.7	1035.0	1031.7	1023.1	1018.8	*1015.6*	1010.2	1005.4	996.8	986.5	975.8
10°	1065.1	1067.8	1062.9	1051.6	1044.6	*1039.8*	1035.0	1029.6	1021.5	1010.2	997.3
12.5°	1096.3	1099.5	1092.0	1078.5	1070.5	*1065.6*	1060.2	1055.9	1047.9	1037.1	1023.7
15°	1124.8	1129.6	1116.7	1102.2	1093.0	*1089.3*	1083.9	1081.2	1075.8	1068.3	1055.9
17.5°	1146.3	1149.5	1136.1	1118.9	1108.6	*1106.0*	1102.2	1103.8	1102.7	1099.0	1090.9
20°	1164.6	1166.7	1149.0	1128.0	1116.7	*1117.3*	1116.2	1121.6	1123.7	1123.7	1123.2
22.5°	1187.2	1187.7	1165.1	1138.8	1125.3	*1129.1*	1130.7	1136.6	1140.9	1145.2	1154.9
25°	1216.8	1215.7	1188.8	1152.8	1140.9	*1146.3*	1150.1	1152.2	1157.1	1164.1	1186.1
27.5°	1260.9	1257.7	1223.2	1175.3	1161.4	*1166.2*	1173.2	1172.1	1170.0	1175.3	1212.5
30°	1316.8	1312.5	1266.8	1207.1	1194.2	*1198.5*	1200.6	1190.9	1175.3	1180.2	1235.6
32.5°	1405.6	1398.0	1334.6	1242.6	1222.7	*1227.5*	1224.8	1204.9	1181.8	1186.6	1258.7
35°	1560.0	1541.7	1451.8	1316.8	1255.0	*1249.6*	1243.1	1223.8	1195.3	1190.4	1278.1
37.5°	1888.1	1855.8	1702.5	1461.5	1328.1	*1293.2*	1273.3	1253.9	1209.8	1190.4	1300.1
40°	2258.2	2225.4	2048.4	1703.6	1449.7	*1390.5*	1343.2	1289.4	1224.8	1197.4	1334.6
42.5°	2644.4	2608.4	2426.5	2003.7	1623.4	*1501.9*	1413.6	1317.9	1249.6	1218.9	1380.3
45°	3075.8	3030.6	2792.9	2316.8	1875.7	*1686.9*	1527.1	1376.5	1292.6	1257.1	1442.7
47.5°	3530.9	3472.3	3158.1	2620.7	2147.4	*1943.0*	1734.8	1481.4	1356.1	1314.1	1527.1
50°	3934.3	3876.2	3535.2	2938.6	2401.3	*2186.6*	1971.5	1626.7	1451.3	1394.8	1640.6
52.5°	4224.3	4180.2	3878.4	3266.8	2665.4	*2415.2*	2186.1	1795.6	1571.8	1498.1	1774.6
55°	4418.5	4378.1	4121.5	3577.7	2972.5	*2667.0*	2397.5	1979.0	1717.0	1621.8	1922.5
57.5°	4536.3	4513.1	4297.4	3855.3	3277.0	*2942.4*	2639.6	2180.7	1888.1	1767.6	2087.7
60°	4578.2	4559.4	4406.6	4119.9	3644.9	*3273.2*	2924.1	2408.3	2095.7	1933.3	2257.1
62.5°	4466.3	4470.1	4485.2	4433.5	4032.8	*3660.5*	3265.2	2681.5	2326.0	2121.0	2416.3
65°	3939.7	3970.9	4257.1	4781.0	4546.5	*4145.7*	3699.3	3015.0	2589.5	2334.6	2542.7
67.5°	3261.9	3307.1	3663.2	4984.3	5094.1	*4775.6*	4303.9	3440.0	2903.7	2551.9	2590.6
70°	2497.0	2545.4	2976.8	4941.8	5606.7	*5464.2*	5051.6	3980.6	3229.1	2702.5	2468.5
72.5°	*1782.1*	*1806.9*	*2146.8*	*4563.7*	*5817.0*	*5933.2*	*5602.4*	*4492.7*	*3395.3*	*2619.1*	*2013.4*
75°	1252.3	1248.0	1473.4	3675.1	5489.4	*5876.2*	5409.3	4215.7	3072.6	2080.7	1241.5
77.5°	545.4	546.5	735.9	2231.8	4381.3	*5018.8*	4496.5	2640.6	2142.0	1102.7	523.9
80°	141.5	145.8	270.0	888.6	2637.9	*3312.5*	2742.3	1160.8	989.8	269.0	100.1
82.5°	50.0	53.3	124.3	279.2	973.1	*1519.1*	1221.1	371.2	258.2	76.9	26.9
85°	14.5	17.2	66.7	85.5	201.2	*429.3*	296.4	72.1	63.5	39.8	7.0
87.5°	0.0	2.2	13.4	11.8	11.8	*8.1*	15.1	8.1	10.2	4.8	2.2
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°	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7	945.7
2.5°	950.5	946.7	938.7	930.1	922.0	914.5	912.3	904.2	900.5	901.0	900.5
5°	955.3	948.3	932.7	913.9	894.6	872.5	854.2	828.4	806.3	803.6	802.0
7.5°	968.3	957.0	931.7	895.1	846.7	785.9	729.4	673.5	641.7	624.5	623.4
10°	988.2	973.1	934.4	864.4	761.7	653.0	567.5	497.0	461.0	444.3	441.1
12.5°	1011.8	995.1	938.7	812.3	652.0	509.4	416.9	373.9	366.3	365.2	364.7
15°	1045.2	1026.9	943.5	741.8	533.1	387.8	345.3	345.9	351.8	355.0	354.5
17.5°	1082.3	1064.0	936.5	655.7	415.8	331.4	330.3	335.1	343.7	347.0	346.4
20°	1119.9	1102.7	911.8	554.6	336.2	315.8	320.1	325.4	334.0	338.4	338.4
22.5°	1158.7	1143.6	872.5	447.0	303.4	304.5	309.8	315.2	324.9	329.7	329.7
25°	1200.1	1187.2	820.3	358.3	289.4	292.6	299.6	306.1	316.3	322.2	322.2
27.5°	1242.1	1232.4	761.2	299.1	276.5	280.3	288.3	296.9	307.2	314.1	314.7
30°	1287.8	1282.4	713.8	277.0	264.1	267.3	276.5	286.2	297.5	306.1	307.2
32.5°	1334.6	1333.5	690.7	293.2	252.8	255.0	263.0	272.7	286.7	297.5	298.5
35°	1380.8	1383.0	677.2	338.9	249.1	243.1	248.5	257.1	273.8	287.2	289.4
37.5°	1440.0	1445.4	676.7	388.4	258.2	231.3	235.1	241.0	255.5	271.1	273.8
40°	1528.2	1556.7	711.1	430.9	274.3	220.5	221.6	222.7	230.2	243.1	247.4
42.5°	1645.5	1728.9	835.4	459.9	280.8	210.9	207.1	201.2	200.1	207.1	210.9
45°	1791.3	1937.0	1053.8	476.1	274.3	200.1	189.9	174.3	168.4	173.2	173.2
47.5°	1962.9	2165.1	1312.5	479.8	263.6	186.7	168.4	147.9	143.1	144.7	144.2
50°	2130.2	2336.2	1540.1	448.6	245.8	169.4	144.7	127.5	124.3	124.8	124.8
52.5°	2278.1	2394.8	1604.6	374.9	222.2	148.5	124.3	112.4	110.3	110.3	109.7
55°	2376.0	2331.3	1430.9	286.7	192.6	126.9	106.5	100.6	99.5	99.0	97.9
57.5°	2396.4	2124.8	1080.7	207.1	150.6	107.0	94.7	91.4	89.3	87.1	86.1
60°	2323.3	1780.5	688.0	144.7	113.0	91.4	83.9	81.8	77.5	73.2	71.5
62.5°	2165.1	1344.8	380.8	100.6	90.9	78.0	74.2	71.5	63.5	56.5	54.3
65°	1952.6	894.0	168.4	78.5	74.2	65.6	63.5	59.7	50.0	42.0	40.3
67.5°	1739.1	514.8	75.8	62.9	59.7	53.8	52.2	49.5	42.5	35.0	33.9
70°	1495.4	260.9	52.2	50.0	46.3	40.9	42.5	42.0	35.0	28.5	27.4
72.5°	*1113.5*	*129.6*	*39.3*	*37.7*	*33.4*	*29.0*	*35.0*	*34.4*	*27.4*	*21.5*	*20.4*
75°	630.4	64.0	28.5	26.4	19.9	21.5	28.0	26.4	18.8	14.0	12.9
77.5°	250.1	32.8	18.8	16.1	11.8	14.5	20.4	17.8	9.7	5.9	5.4
80°	57.6	16.1	9.7	7.0	5.4	8.6	10.8	6.5	2.7	0.5	0.0
82.5°	16.1	7.0	3.2	2.7	2.7	3.2	2.7	1.1	0.0	0.0	0.0
85°	5.4	3.2	1.1	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	2.2	1.1	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)