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: P1201229

Luminaire Tested: GWC-SB1A-827-U-T3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201229
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-T3
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3925 lumens
Efficiency:	N/A
Efficacy:	127.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

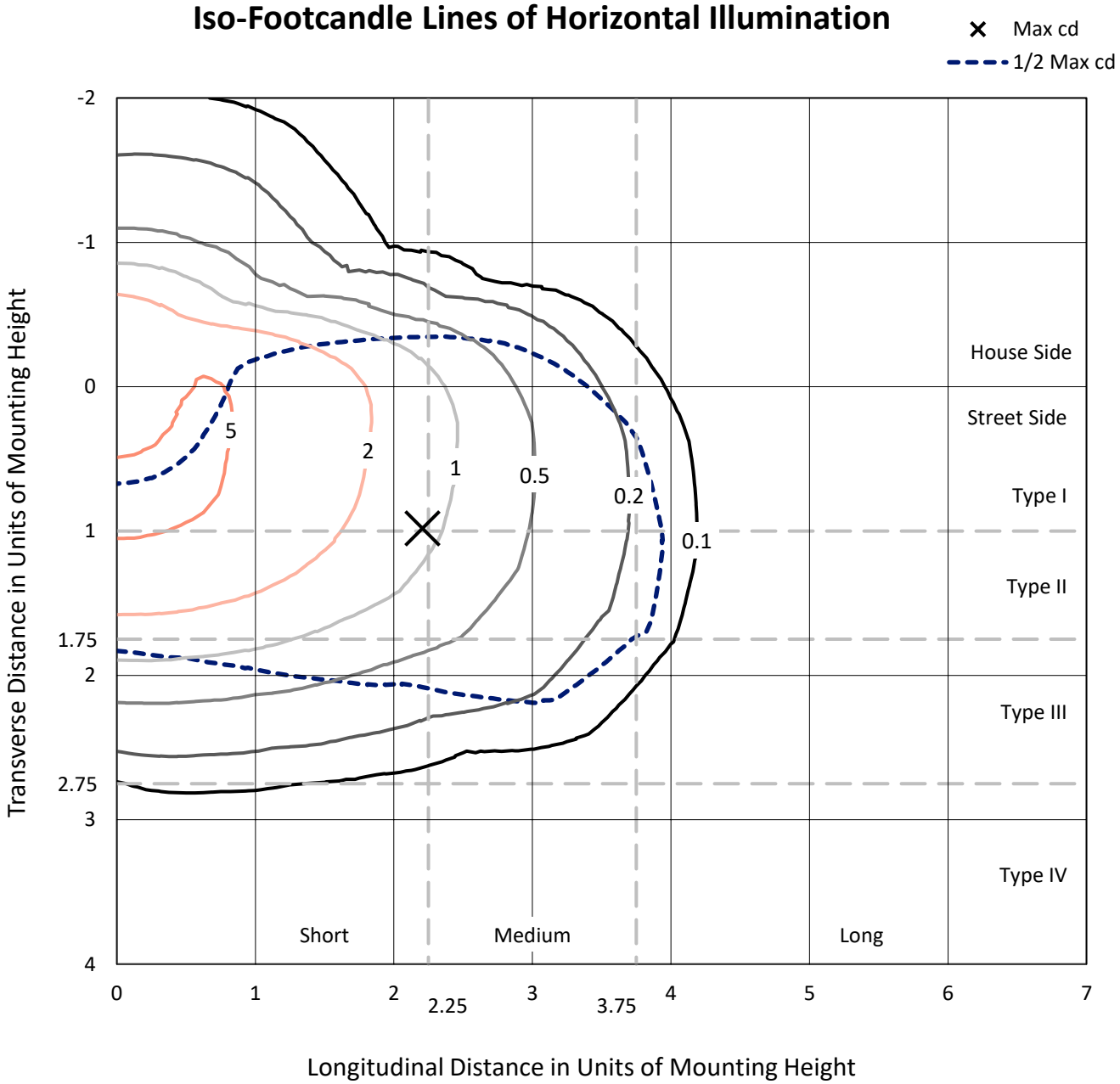


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Iso-Footcandle Lines of Horizontal Illumination



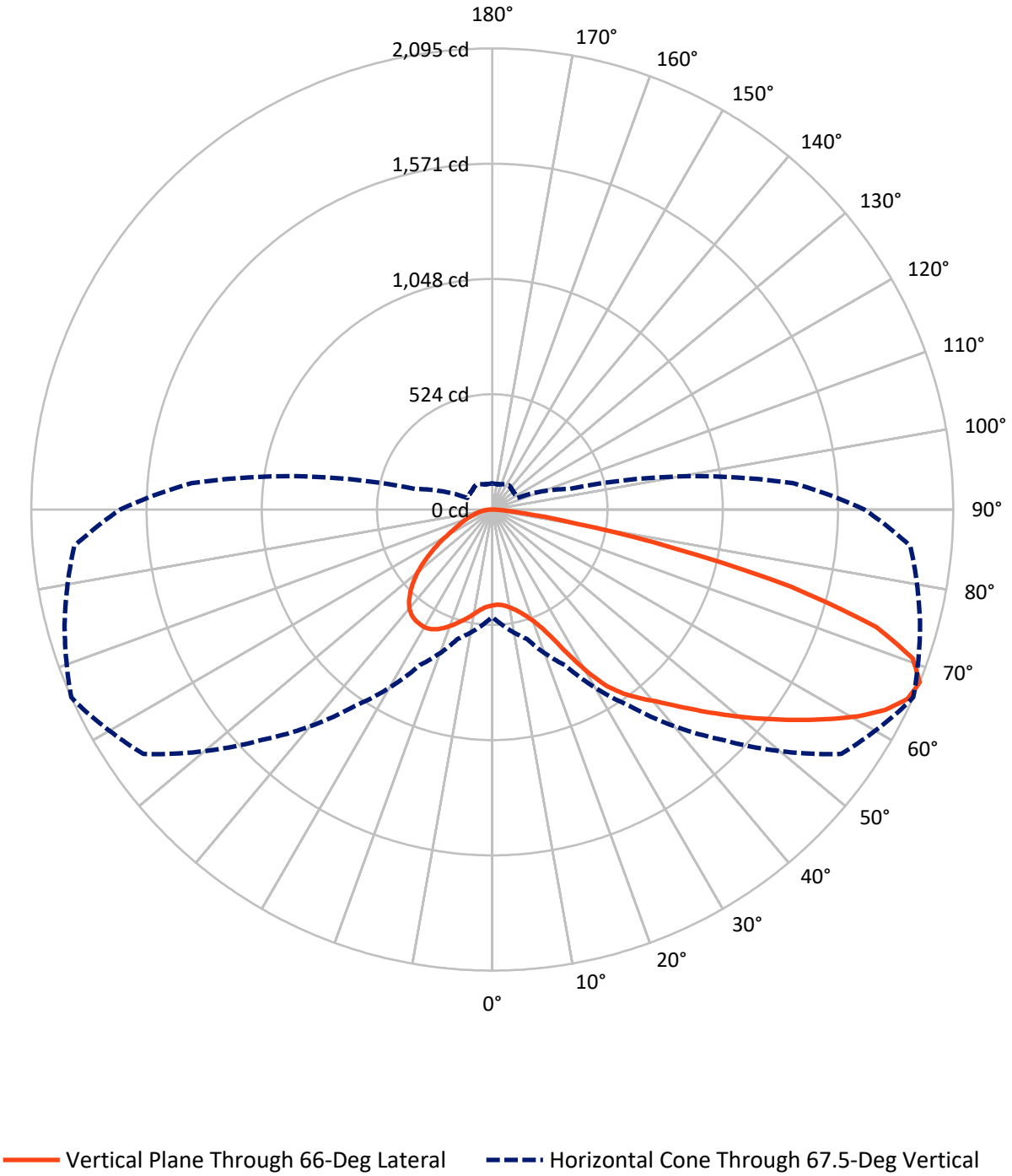
Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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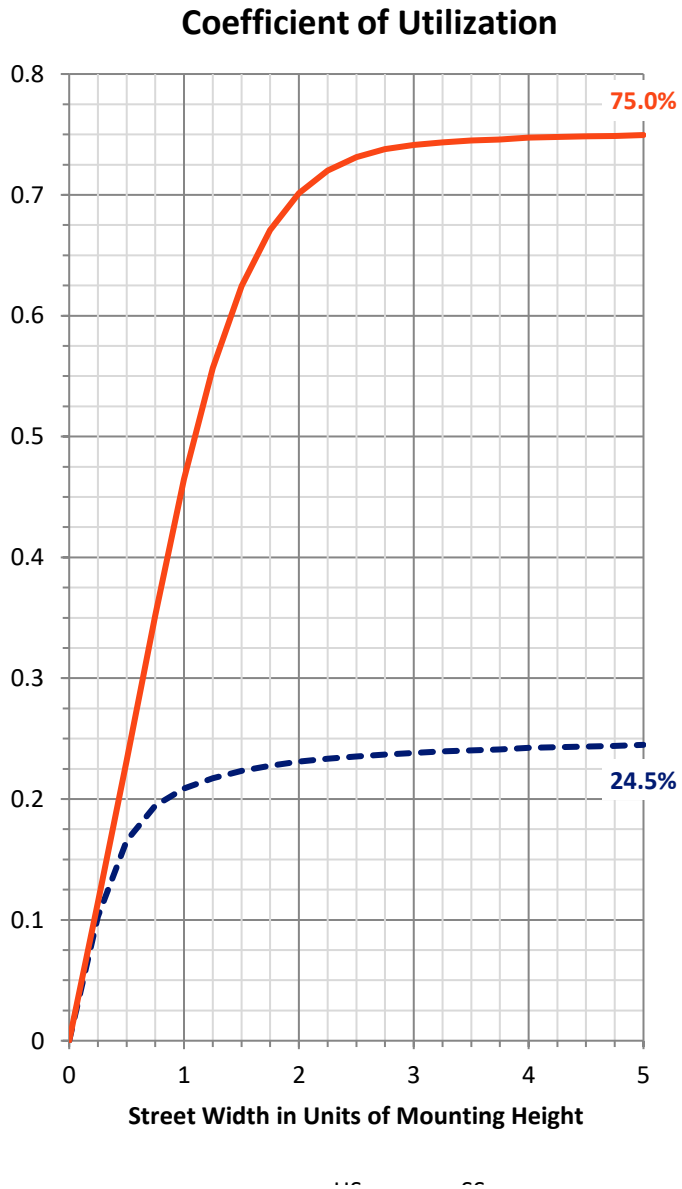
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.9	0.0	975.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2949.1	0.0	2949.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	3925.0	0.0	3925.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.1
10°-20°	142.6	3.6
20°-30°	274.9	7.0
30°-40°	481.9	12.3
40°-50°	716.5	18.3
50°-60°	908.2	23.1
60°-70°	888.6	22.6
70°-80°	423.9	10.8
80°-90°	45.3	1.2
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°	3925.0	100.0
0°-180°	3925.0	100.0



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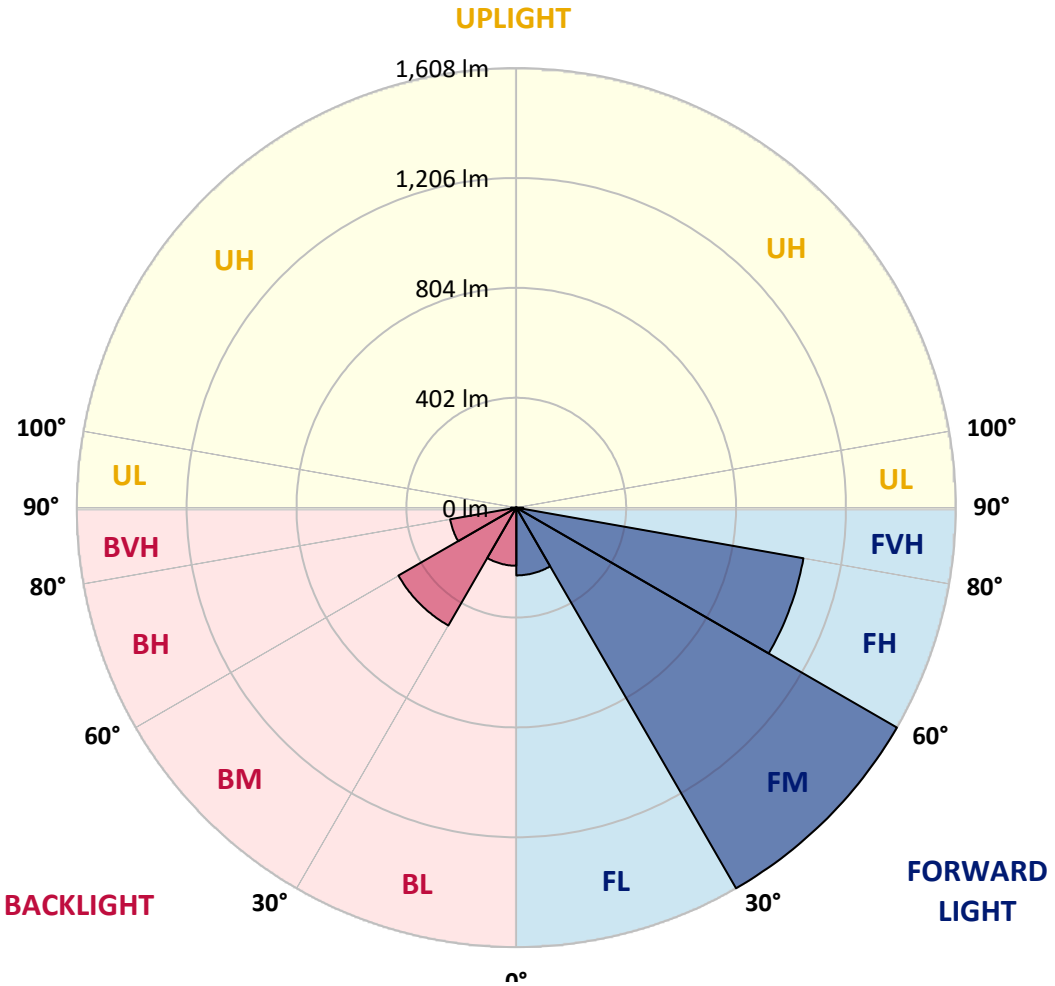
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	248.0	6.3			
FM	(30°-60°)	1608.4	41.0			
FH	(60°-80°)	1066.9	27.2			G1/1800
FVH	(80°-90°)	25.7	0.7			G1/100
BL	(0°-30°)	212.6	5.4	B1/500		
BM	(30°-60°)	498.1	12.7	B1/1000		
BH	(60°-80°)	245.6	6.3	B1/500		G1/500
BVH	(80°-90°)	19.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	*435.3*	435.3	435.3
2.5°	430.8	433.3	432.7	431.6	431.4	431.8	432.4	433.1	*432.9*	433.9	435.5
5°	429.6	432.0	431.8	431.8	432.7	434.3	435.3	436.4	*435.3*	436.6	438.8
7.5°	430.4	432.2	433.1	433.9	436.0	439.0	441.5	443.8	*442.6*	444.0	446.9
10°	440.9	442.3	443.2	443.2	444.6	448.1	450.6	454.7	*453.7*	456.0	459.7
12.5°	460.1	461.5	461.5	460.7	461.7	464.0	464.8	469.4	*467.5*	471.2	474.9
15°	483.6	486.5	484.2	482.8	483.2	485.4	485.2	488.7	*486.9*	490.0	493.3
17.5°	509.6	513.3	509.6	509.4	508.5	511.0	511.2	514.3	*511.0*	513.3	515.6
20°	540.3	545.5	542.4	543.4	541.5	542.6	543.6	548.1	*543.0*	544.6	544.0
22.5°	583.6	589.8	586.5	590.4	589.2	588.4	588.1	596.2	*588.1*	588.8	582.8
25°	646.7	654.1	648.4	653.7	653.7	656.4	659.5	669.8	*656.4*	652.5	637.0
27.5°	739.9	747.3	736.0	739.3	738.3	744.9	741.6	767.1	*752.7*	746.3	715.2
30°	852.1	865.3	843.9	843.0	842.0	852.5	857.3	874.2	*859.5*	853.1	815.6
32.5°	973.4	987.2	961.6	954.2	950.3	956.7	952.7	966.4	*956.3*	946.4	900.0
35°	1101.6	1115.2	1090.9	1076.5	1060.8	1047.4	1033.4	1036.9	*1027.4*	1012.3	964.3
37.5°	1222.9	1247.8	1222.1	1206.6	1177.7	1151.5	1112.4	1096.1	*1087.2*	1073.4	1024.9
40°	1346.4	1360.7	1341.1	1327.9	1296.5	1255.5	1192.8	1158.3	*1146.4*	1133.0	1091.9
42.5°	1437.4	1451.0	1440.5	1431.4	1406.8	1359.2	1278.2	1235.1	*1217.7*	1202.7	1167.8
45°	1509.5	1519.6	1513.0	1516.3	1505.8	1459.6	1366.6	1317.3	*1299.4*	1281.1	1253.6
47.5°	1538.6	1549.3	1559.9	1579.5	1597.4	1563.4	1461.7	1406.4	*1387.5*	1368.7	1341.7
50°	1535.3	1546.3	1576.8	1618.4	1674.1	1662.8	1561.9	1501.3	*1483.8*	1462.3	1437.4
52.5°	1508.9	1521.3	1560.5	1629.8	1718.4	1737.2	1664.0	1599.3	*1582.8*	1557.2	1532.2
55°	1439.6	1447.1	1505.8	1604.0	1729.0	1789.2	1764.0	1703.6	*1687.1*	1651.4	1624.2
57.5°	1311.2	1321.9	1407.5	1534.5	1702.6	1824.4	1851.9	1813.3	*1797.4*	1746.1	1717.6
60°	1143.5	1160.6	1258.6	1417.8	1635.3	1824.2	1931.7	1921.2	*1908.0*	1839.3	1809.6
62.5°	953.8	973.6	1067.8	1252.8	1517.8	1772.5	1981.6	2011.5	*2004.7*	1925.3	1887.3
65°	732.5	746.1	839.9	1039.4	1334.9	1661.3	1987.4	2073.1	*2074.4*	1990.7	1928.0
67.5°	*487.7*	*526.9*	*608.4*	*779.9*	*1089.9*	*1479.6*	*1936.6*	*2083.3*	*2095.2*	*2013.1*	*1907.6*
70°	238.0	289.5	369.3	506.9	779.9	1201.0	1804.0	2000.4	*2027.0*	1947.6	1785.9
72.5°	98.8	115.5	159.0	250.1	447.7	810.5	1537.6	1775.6	*1824.9*	1725.7	1501.5
75°	66.6	72.2	90.9	128.3	204.0	399.7	1108.9	1323.9	*1403.3*	1303.3	1065.3
77.5°	51.3	54.9	66.2	89.7	121.3	151.2	593.5	797.9	*838.9*	776.6	554.3
80°	40.4	43.1	49.5	65.4	86.0	80.8	202.3	361.5	*385.2*	323.1	178.2
82.5°	35.1	36.1	35.5	44.3	57.1	47.2	66.4	133.4	*147.2*	106.8	58.2
85°	25.4	28.3	29.5	27.4	30.3	23.9	27.2	47.2	*52.0*	46.4	32.8
87.5°	10.3	15.3	18.8	17.7	11.1	6.8	8.5	13.8	*15.9*	17.3	10.7
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°	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3	435.3
2.5°	435.7	437.2	438.2	439.5	440.3	441.5	444.0	445.4	445.6	446.7	446.5
5°	439.7	441.7	444.0	447.3	451.0	454.1	458.8	462.1	463.4	464.4	464.2
7.5°	448.1	451.0	455.1	460.9	466.3	470.4	476.2	480.1	484.0	485.4	485.7
10°	460.7	464.8	470.8	478.6	484.4	489.8	495.8	499.1	503.0	504.6	505.4
12.5°	476.4	480.7	488.5	499.5	504.8	508.5	510.6	509.8	510.6	512.0	512.5
15°	494.3	499.1	507.9	519.7	523.4	520.1	515.6	511.4	510.8	511.2	512.7
17.5°	515.6	519.1	529.4	539.3	536.6	523.0	513.1	506.5	503.2	502.2	503.6
20°	545.3	545.3	553.7	559.9	542.0	518.9	503.4	492.7	485.9	483.0	482.4
22.5°	581.3	578.0	583.4	579.1	540.9	507.3	485.9	467.3	457.0	452.9	452.2
25°	627.1	623.2	621.8	595.0	533.5	489.0	454.1	431.6	422.5	420.3	420.7
27.5°	696.2	686.3	667.5	603.6	519.9	460.1	417.0	396.2	391.0	391.2	391.8
30°	788.2	768.4	722.4	605.1	497.6	419.2	379.0	364.2	361.7	362.7	366.3
32.5°	873.3	854.6	778.5	598.5	463.4	379.2	345.0	335.1	331.4	332.6	334.3
35°	940.2	935.0	830.5	589.2	421.3	341.7	314.5	306.0	298.8	297.2	298.4
37.5°	1003.3	1001.2	869.4	576.2	379.7	315.1	289.9	278.8	268.3	262.5	262.7
40°	1072.6	1070.5	895.0	556.2	342.7	292.0	267.9	253.2	240.2	229.7	230.8
42.5°	1150.5	1138.3	907.2	527.5	311.4	272.4	249.9	230.1	213.0	203.3	204.0
45°	1235.7	1208.3	907.0	491.0	285.0	254.5	230.8	202.7	186.8	177.8	177.4
47.5°	1326.0	1275.1	895.8	450.6	259.4	234.7	201.1	179.6	169.1	163.5	162.3
50°	1419.2	1337.6	876.9	404.2	233.2	212.2	182.5	167.9	159.8	154.7	152.8
52.5°	1506.9	1394.3	854.0	351.6	206.6	190.3	174.3	162.9	154.5	148.7	146.2
55°	1588.3	1443.1	821.6	297.8	185.0	175.7	170.3	160.9	151.2	144.4	141.7
57.5°	1660.7	1474.9	765.7	247.3	169.5	165.6	166.2	157.3	146.2	140.4	136.7
60°	1720.9	1498.2	683.0	200.4	156.9	155.7	159.8	150.7	137.8	131.2	128.3
62.5°	1757.0	1497.8	581.5	164.2	146.2	146.6	151.4	142.5	129.3	123.1	121.3
65°	1753.9	1461.1	470.2	140.4	135.9	136.3	142.5	133.4	122.3	118.6	118.4
67.5°	*1691.8*	*1371.6*	*360.7*	*125.0*	*124.6*	*126.4*	*133.6*	*127.2*	*118.0*	*117.5*	*118.2*
70°	1523.8	1185.8	259.8	112.6	112.8	115.5	125.0	123.3	115.7	116.5	116.3
72.5°	1221.9	904.1	174.5	99.6	99.8	104.1	116.7	120.2	113.4	124.4	126.0
75°	813.8	563.8	112.2	85.8	86.0	91.6	109.5	114.2	107.2	123.9	125.0
77.5°	391.0	253.4	81.3	72.2	72.2	77.3	94.7	102.3	91.4	96.3	88.3
80°	135.1	95.3	63.9	58.2	56.9	60.4	79.8	88.7	78.8	72.6	68.1
82.5°	53.2	49.5	51.3	45.2	41.0	43.3	62.1	73.2	57.9	52.4	52.2
85°	30.5	32.2	36.3	29.9	23.7	26.6	45.6	52.6	43.7	38.6	39.4
87.5°	8.2	11.3	16.7	15.5	10.7	11.3	21.7	29.1	25.2	19.4	20.0
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)