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: P1201591

Luminaire Tested: GWC-SB1B-827-U-SL2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201591
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4893 lumens
Efficiency:	N/A
Efficacy:	122.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

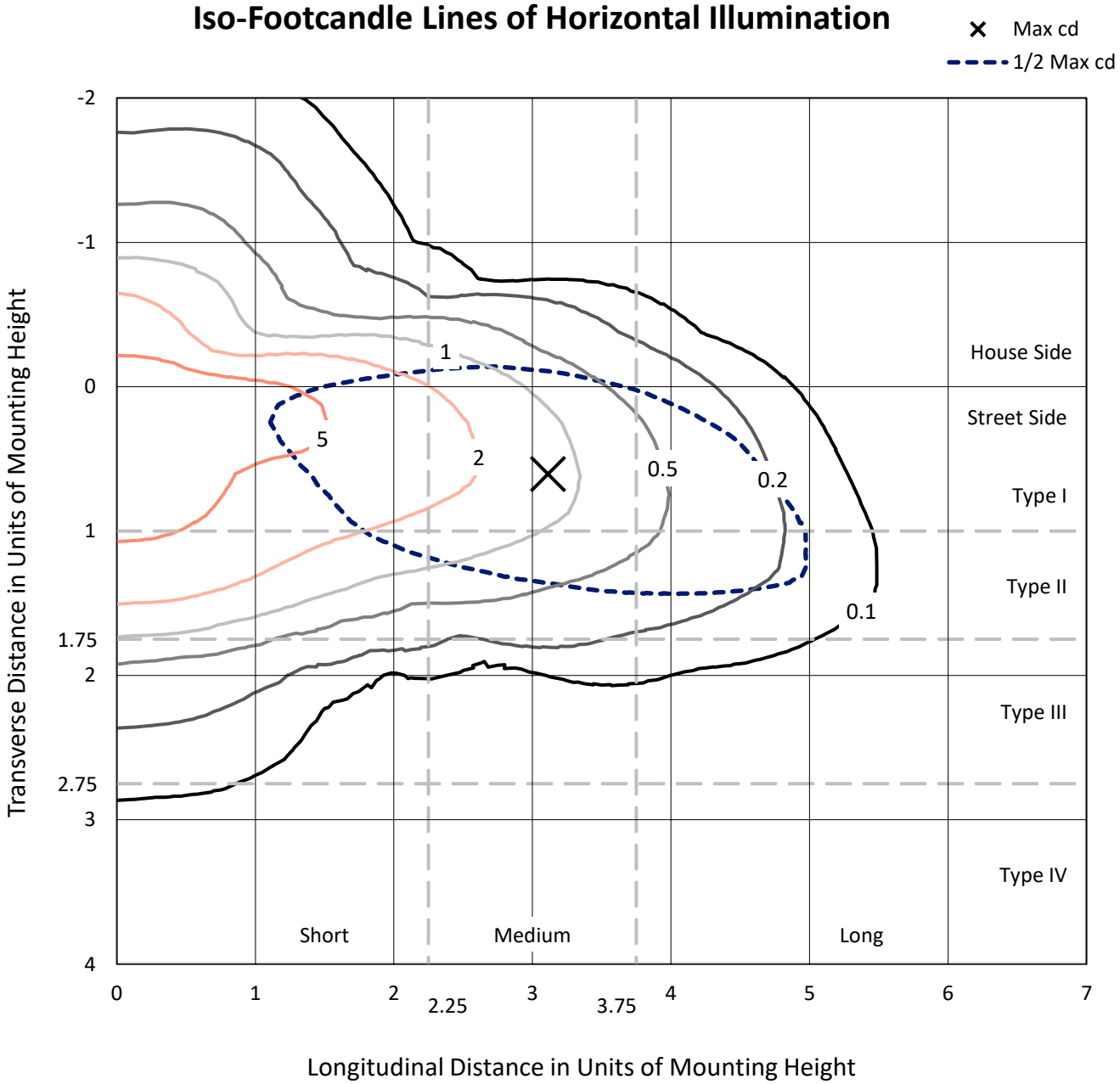


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Iso-Footcandle Lines of Horizontal Illumination



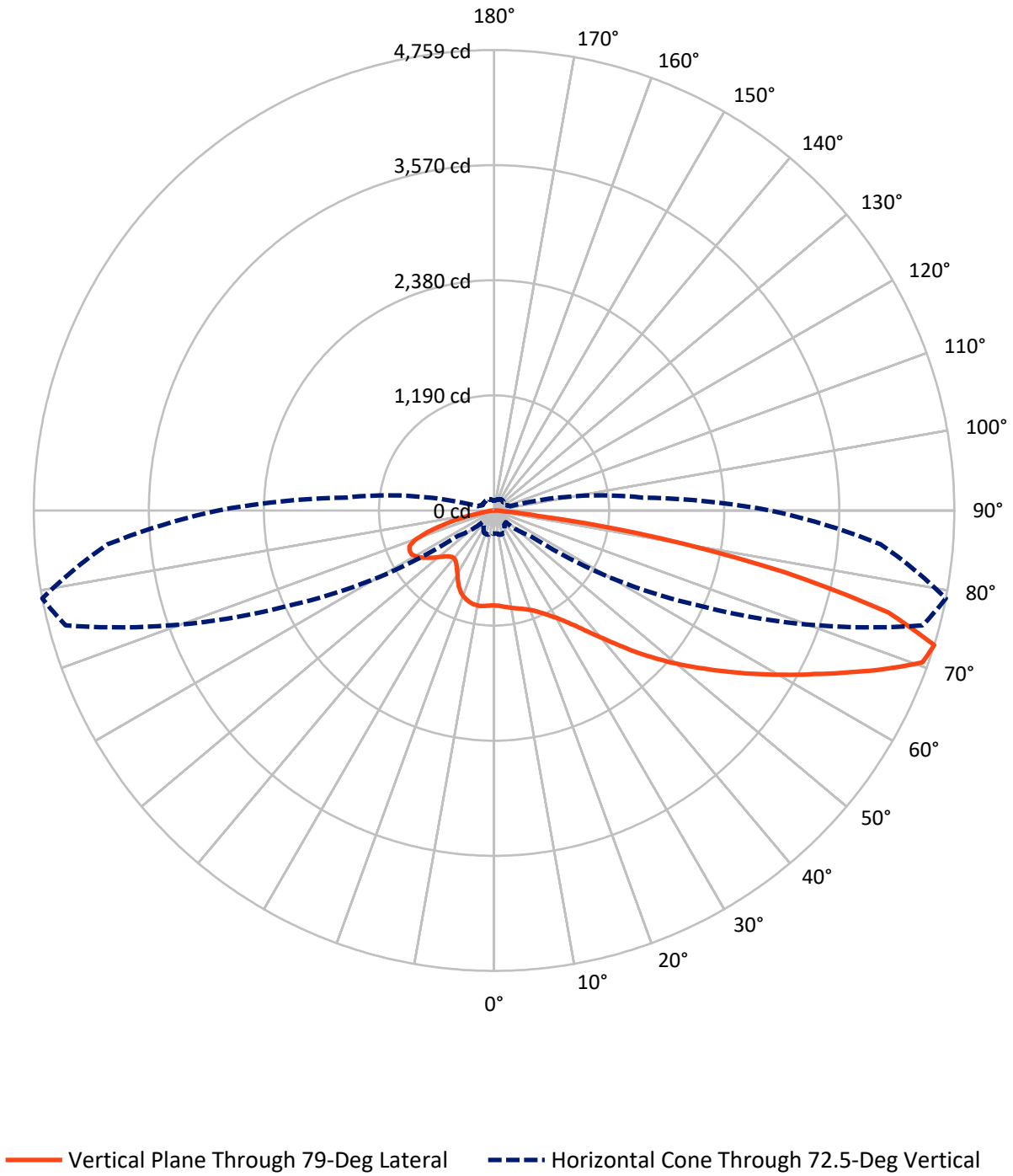
Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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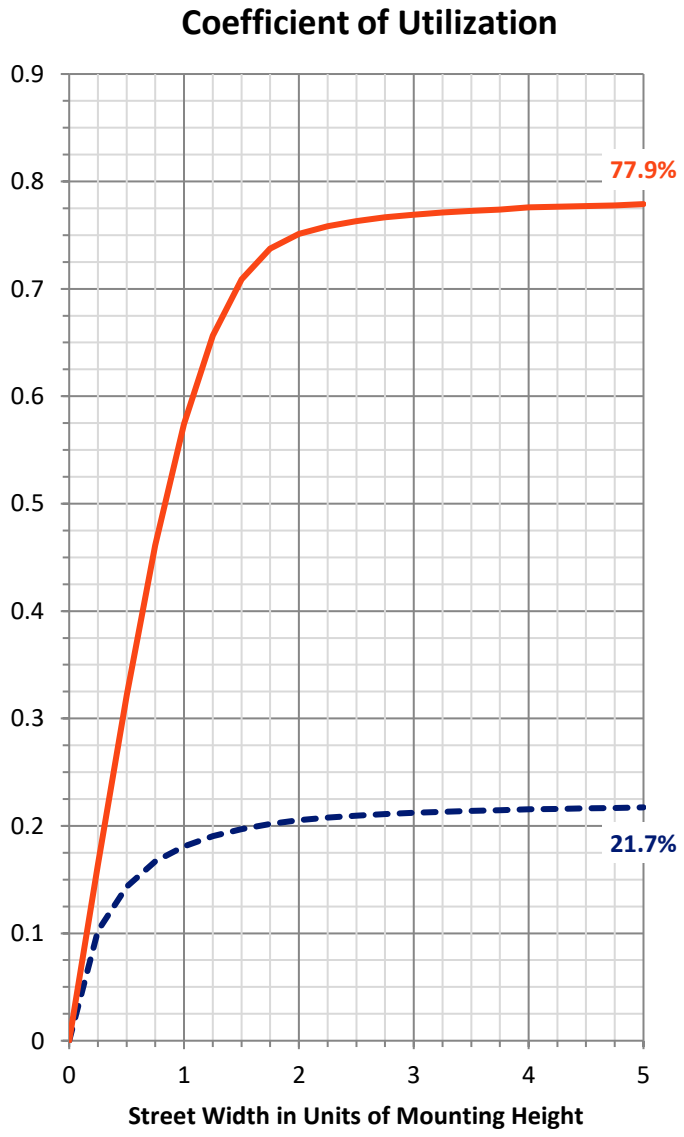
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1076.7	0.0	1076.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3816.3	0.0	3816.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	4893.0	0.0	4893.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	1.8
10°-20°	233.1	4.8
20°-30°	376.1	7.7
30°-40°	564.5	11.5
40°-50°	800.8	16.4
50°-60°	1011.3	20.7
60°-70°	1027.1	21.0
70°-80°	700.0	14.3
80°-90°	90.8	1.9
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°	4893.0	100.0
0°-180°	4893.0	100.0



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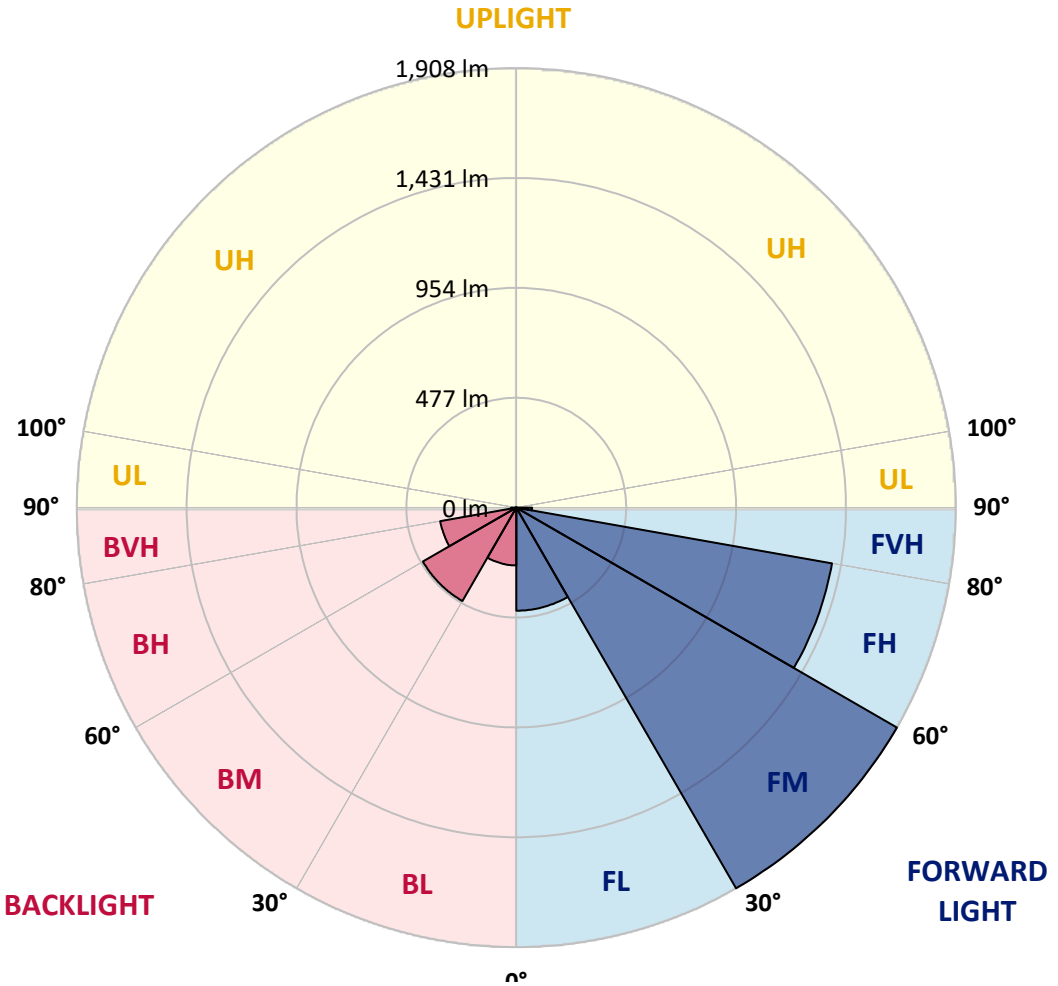
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	447.6	9.1			
FM	(30°-60°)	1908.4	39.0			
FH	(60°-80°)	1391.9	28.4			G1/1800
FVH	(80°-90°)	68.4	1.4			G1/100
BL	(0°-30°)	250.8	5.1	B1/500		
BM	(30°-60°)	468.3	9.6	B1/1000		
BH	(60°-80°)	335.3	6.9	B1/500		G1/500
BVH	(80°-90°)	22.4	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	*982.2*	982.2
2.5°	982.7	978.1	980.9	979.9	981.2	982.7	983.3	984.0	986.6	*986.4*	986.1
5°	980.7	976.0	979.9	978.6	982.0	985.6	988.7	991.5	995.7	*997.5*	994.9
7.5°	976.3	973.2	977.0	980.9	987.1	992.6	997.0	1003.4	1009.4	*1010.4*	1012.2
10°	950.6	948.3	957.4	967.5	984.6	999.3	1008.9	1016.4	1022.9	*1023.9*	1026.5
12.5°	924.0	921.1	931.2	945.0	972.6	999.3	1019.5	1029.3	1035.0	*1038.4*	1042.3
15°	919.6	917.3	923.0	934.9	957.9	992.3	1026.7	1044.9	1049.8	*1053.7*	1055.2
17.5°	940.8	936.4	938.7	942.9	956.3	985.8	1032.4	1062.5	1070.0	*1074.1*	1074.1
20°	990.0	983.8	980.2	971.9	969.5	986.9	1031.9	1083.7	1093.5	*1098.7*	1100.0
22.5°	1055.5	1051.3	1043.6	1022.6	999.8	999.6	1041.8	1110.9	1129.2	*1134.2*	1131.0
25°	1134.7	1128.5	1118.6	1090.2	1046.4	1024.7	1058.3	1145.5	1176.3	*1177.6*	1168.6
27.5°	1225.8	1216.5	1203.0	1165.5	1106.5	1064.0	1083.7	1185.4	1230.4	*1229.9*	1211.3
30°	1321.8	1312.5	1298.2	1252.7	1178.4	1117.1	1118.9	1228.4	1294.6	*1291.8*	1259.9
32.5°	1391.9	1384.9	1382.1	1346.9	1261.2	1179.7	1159.3	1276.0	1373.8	*1371.2*	1326.7
35°	1445.8	1436.7	1440.1	1422.2	1351.6	1249.8	1208.7	1332.7	1470.1	*1469.8*	1414.5
37.5°	1499.1	1491.1	1493.9	1482.0	1435.2	1338.9	1269.0	1402.0	1589.4	*1595.1*	1520.6
40°	1547.7	1539.2	1550.6	1539.5	1500.1	1433.6	1337.6	1480.5	1727.6	*1738.5*	1648.9
42.5°	1577.0	1570.3	1589.2	1589.4	1556.5	1513.6	1412.9	1566.9	1887.6	*1911.9*	1806.8
45°	1587.1	1584.8	1613.2	1619.2	1606.5	1559.9	1480.7	1661.1	2060.0	*2103.4*	1986.7
47.5°	1576.2	1571.8	1611.2	1633.2	1643.3	1581.7	1536.9	1763.1	2235.9	*2299.6*	2182.9
50°	1521.3	1512.8	1571.3	1617.6	1653.6	1595.9	1593.6	1880.8	2436.0	*2505.6*	2380.1
52.5°	1422.7	1416.3	1482.8	1563.3	1630.8	1602.9	1657.2	2009.5	2626.0	*2716.1*	2582.3
55°	1296.7	1288.1	1361.4	1466.5	1574.1	1600.5	1720.9	2153.4	2850.1	*2941.5*	2791.1
57.5°	1096.9	1079.8	1172.5	1296.7	1481.7	1597.7	1787.2	2296.5	3077.9	*3187.4*	3014.0
60°	805.4	780.1	893.7	1041.0	1301.1	1570.0	1869.2	2457.0	3351.2	*3449.8*	3257.3
62.5°	469.0	454.2	528.5	665.9	980.7	1406.9	1915.3	2643.6	3619.9	*3723.4*	3496.4
65°	364.2	360.0	366.5	377.1	545.9	1053.4	1773.2	2825.5	3961.5	*4034.0*	3745.6
67.5°	333.1	330.0	332.8	312.9	276.9	586.7	1402.8	2871.6	4327.5	*4371.5*	3963.8
70°	296.1	292.5	301.8	284.7	217.9	266.8	906.4	2704.4	4618.6	*4701.2*	4129.7
72.5°	*241.2*	*237.1*	*258.8*	*251.1*	*183.5*	*171.3*	*455.3*	*2307.1*	*4588.1*	*4759.4*	*4010.9*
75°	185.3	183.0	208.9	215.3	149.6	134.8	218.4	1714.9	4037.6	*4210.2*	3456.8
77.5°	143.9	142.1	155.3	178.8	120.6	104.6	134.3	1087.8	3042.7	*3073.0*	2382.2
80°	107.9	102.8	114.9	138.5	94.0	76.4	91.1	634.4	1923.3	*1743.4*	1036.8
82.5°	67.6	65.0	75.1	92.4	66.3	52.5	59.3	350.4	770.8	*454.0*	200.1
85°	38.6	37.5	40.9	52.8	36.0	30.3	33.9	154.8	140.8	*96.8*	60.3
87.5°	15.5	15.0	18.6	23.6	13.2	11.1	11.9	37.3	31.1	*28.7*	19.9
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°	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2
2.5°	985.1	985.1	981.4	975.8	969.3	965.1	958.4	956.6	949.6	947.5	950.9
5°	997.0	994.9	983.8	967.7	945.7	925.5	903.3	889.3	869.6	862.6	867.8
7.5°	1012.0	1006.3	987.1	951.9	905.9	860.6	813.5	777.8	743.6	731.4	733.0
10°	1025.7	1017.7	985.1	923.5	843.8	765.3	690.3	637.7	597.9	581.6	585.2
12.5°	1039.4	1024.7	971.4	876.1	755.5	649.1	569.1	528.3	503.7	484.0	490.5
15°	1052.4	1031.7	950.1	812.7	658.7	550.8	491.8	459.1	439.5	426.5	428.9
17.5°	1067.4	1037.6	918.3	732.2	566.6	482.7	434.6	414.9	411.0	409.5	410.5
20°	1088.3	1043.0	876.4	642.1	498.7	428.3	403.5	401.7	401.4	400.7	403.2
22.5°	1110.9	1049.5	821.0	560.3	441.0	394.4	390.0	386.4	384.1	383.8	386.7
25°	1137.5	1051.6	751.6	493.3	391.9	378.4	373.2	367.8	366.2	366.2	367.8
27.5°	1163.4	1044.6	670.9	435.1	364.2	363.6	356.9	355.1	354.8	355.6	357.7
30°	1189.3	1031.4	590.6	381.2	348.1	348.1	345.8	347.1	348.1	350.7	352.5
32.5°	1224.2	1017.4	523.6	341.4	334.1	331.5	333.9	336.5	337.5	340.9	343.7
35°	1275.5	1007.6	470.3	319.6	319.6	316.3	317.6	317.1	314.7	313.2	316.8
37.5°	1343.3	1007.1	426.3	309.5	307.5	307.0	307.2	303.9	294.8	283.9	284.2
40°	1424.8	1021.0	392.4	302.6	301.0	304.1	302.6	293.5	268.7	249.8	249.2
42.5°	1534.3	1060.9	370.6	294.0	298.7	302.6	296.3	265.0	248.2	235.5	235.0
45°	1663.2	1125.6	359.5	285.0	294.3	298.9	268.9	255.2	241.7	226.5	225.4
47.5°	1809.2	1207.1	356.9	276.4	284.4	287.3	257.3	251.1	235.8	219.2	217.9
50°	1968.1	1303.7	363.9	266.3	270.2	260.4	253.4	247.7	231.9	215.6	213.8
52.5°	2132.4	1410.1	377.9	252.6	256.0	245.1	251.8	246.9	229.6	207.6	206.0
55°	2293.9	1517.2	391.3	236.6	241.5	231.4	247.4	243.8	219.0	194.1	192.8
57.5°	2458.0	1623.8	404.5	222.3	227.5	218.2	240.4	235.5	207.1	181.7	181.2
60°	2628.6	1727.4	410.7	208.6	212.2	206.0	229.8	221.3	193.6	169.0	168.2
62.5°	2788.3	1813.6	400.7	194.9	197.2	194.6	215.9	204.5	180.1	154.8	154.5
65°	2948.5	1864.8	369.6	181.4	182.0	180.7	196.2	186.4	164.4	142.4	140.8
67.5°	3093.7	1893.5	320.2	166.9	165.6	165.1	177.8	166.7	149.1	129.9	128.4
70°	3124.5	1820.5	244.6	149.9	149.9	148.6	157.6	146.2	132.3	116.7	116.2
72.5°	*2853.8*	*1531.4*	*173.7*	*130.4*	*132.5*	*129.9*	*137.4*	*127.9*	*115.2*	*104.8*	*101.7*
75°	2301.2	1123.0	126.3	110.5	114.1	109.7	116.7	110.0	99.1	98.9	89.0
77.5°	1581.1	694.4	91.6	91.1	93.7	88.0	96.0	92.4	82.6	78.2	73.2
80°	674.7	276.9	66.8	70.4	70.4	65.2	74.5	75.6	67.0	65.0	65.0
82.5°	134.3	78.7	46.8	48.4	45.6	44.0	52.8	58.5	80.8	89.8	90.1
85°	40.4	29.0	28.2	26.4	23.3	23.6	31.1	58.8	72.5	41.4	35.7
87.5°	11.1	7.2	7.5	6.0	4.9	6.5	10.6	44.5	24.3	10.4	8.8
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)