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: P1202714

Luminaire Tested: GWC-SB2A-827-U-SL3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202714
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SL3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6281 lumens
Efficiency:	N/A
Efficacy:	109.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

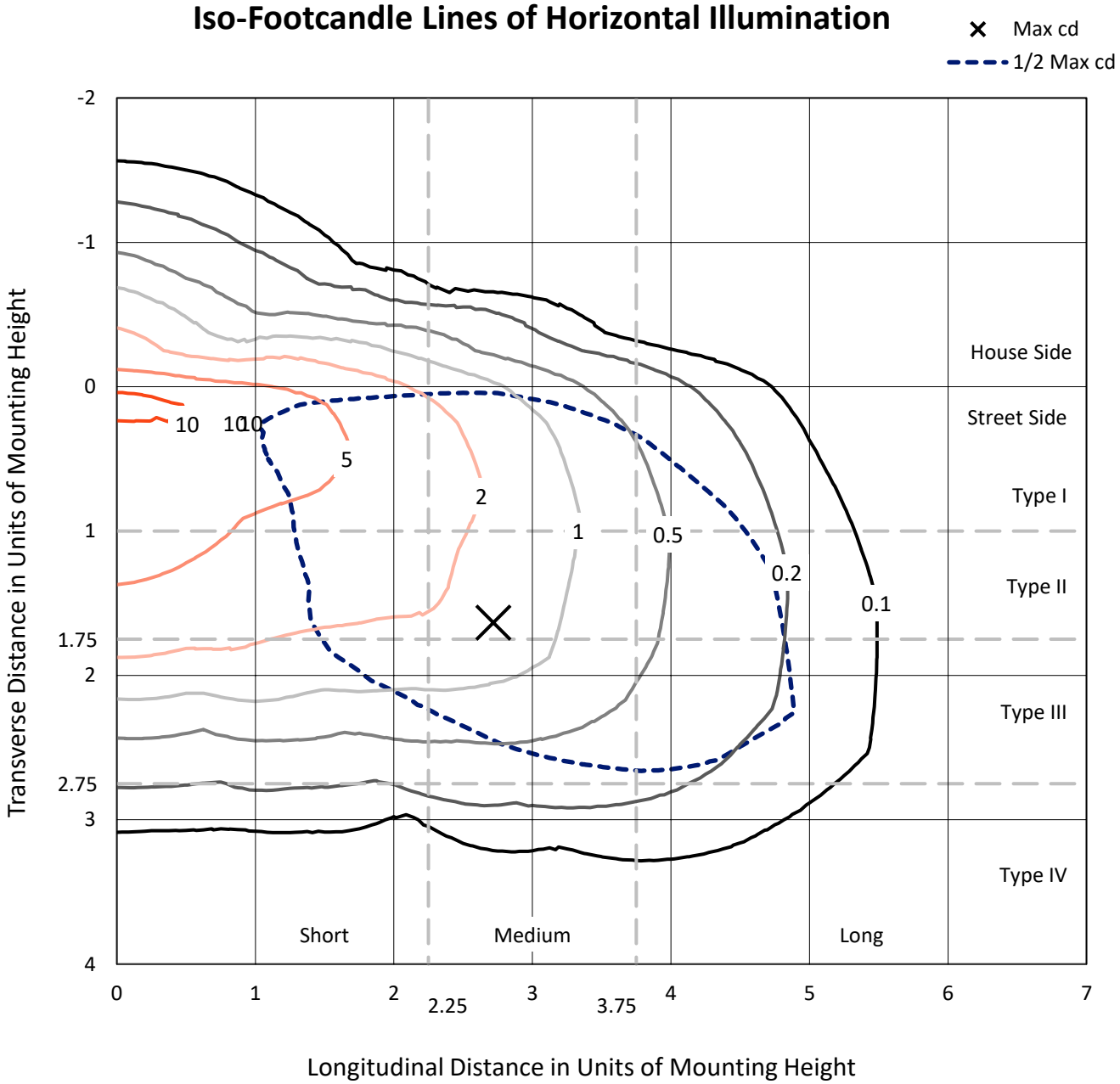


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Iso-Footcandle Lines of Horizontal Illumination



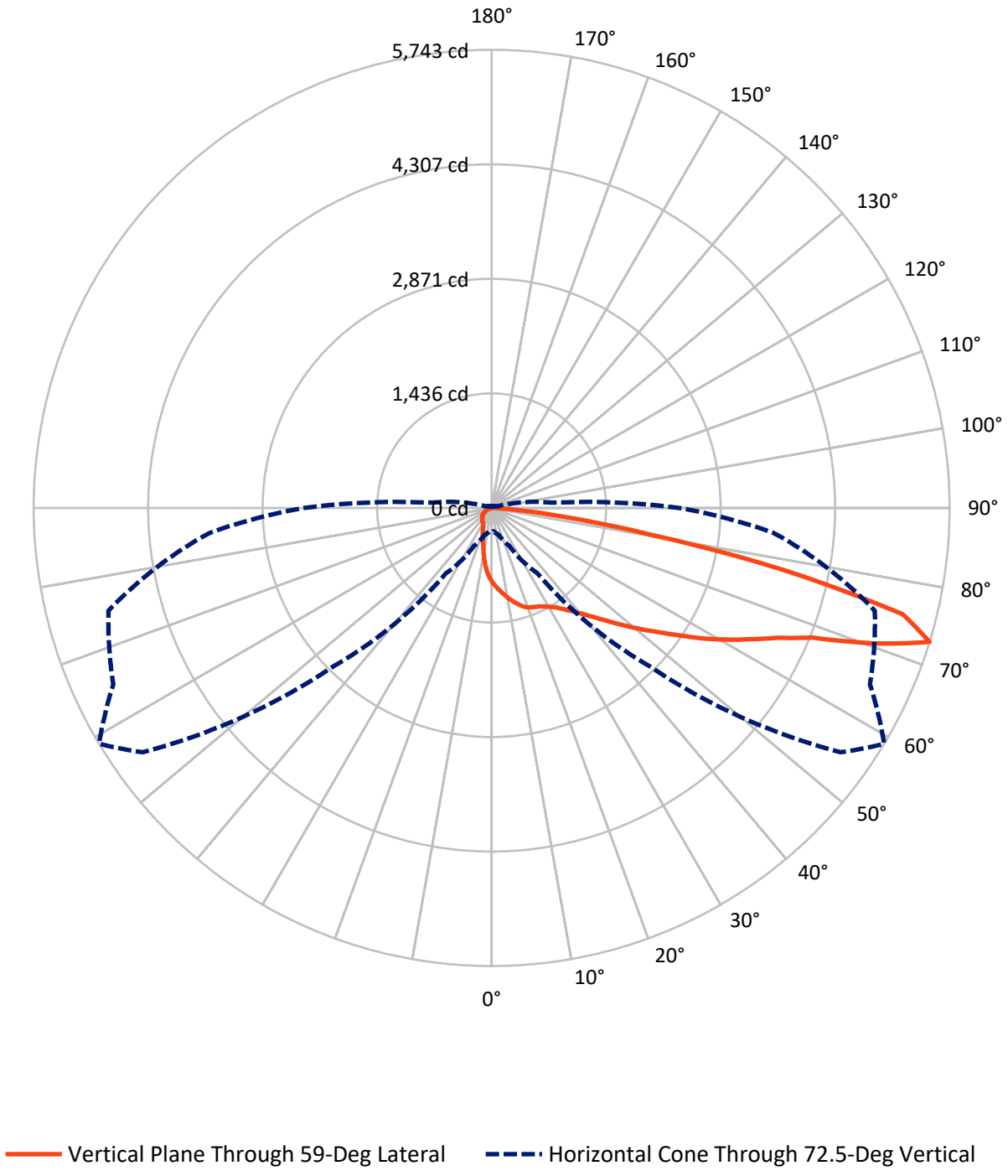
Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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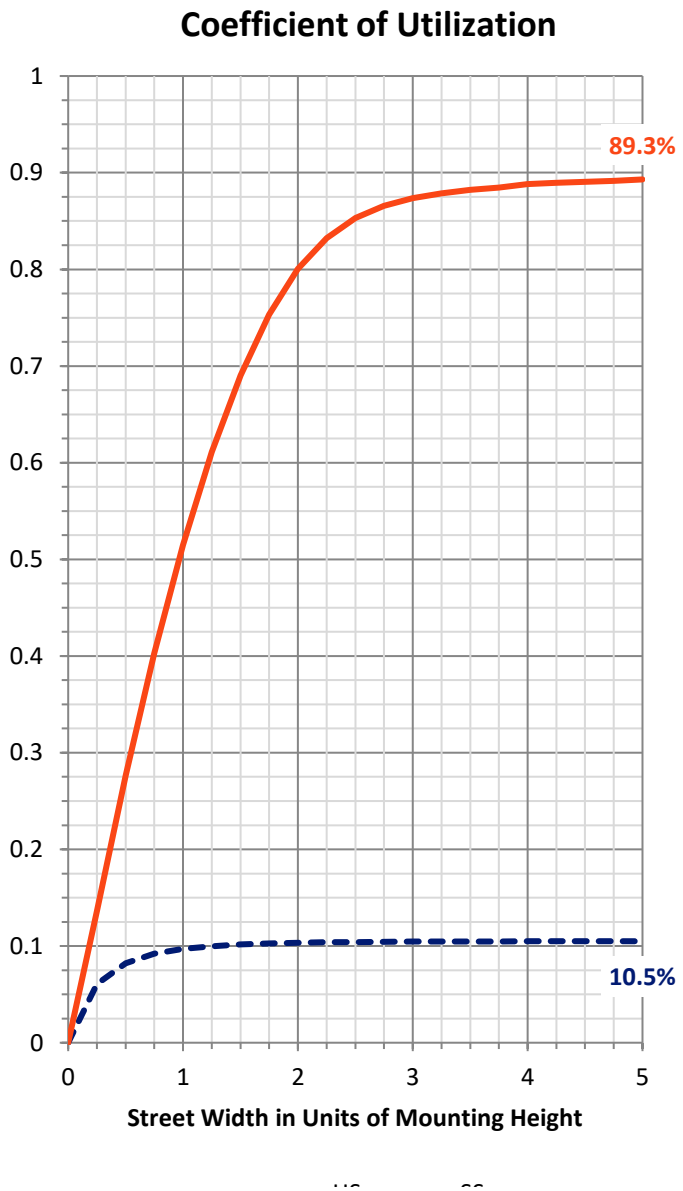
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	663.4	0.0	663.4
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	5617.6	0.0	5617.6
	% Fixture	89.4	0.0	89.4
Total	Lumens	6281.0	0.0	6281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.3
10°-20°	223.2	3.6
20°-30°	353.7	5.6
30°-40°	567.7	9.0
40°-50°	906.7	14.4
50°-60°	1312.8	20.9
60°-70°	1558.0	24.8
70°-80°	1156.6	18.4
80°-90°	118.2	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°	6281.0	100.0
0°-180°	6281.0	100.0



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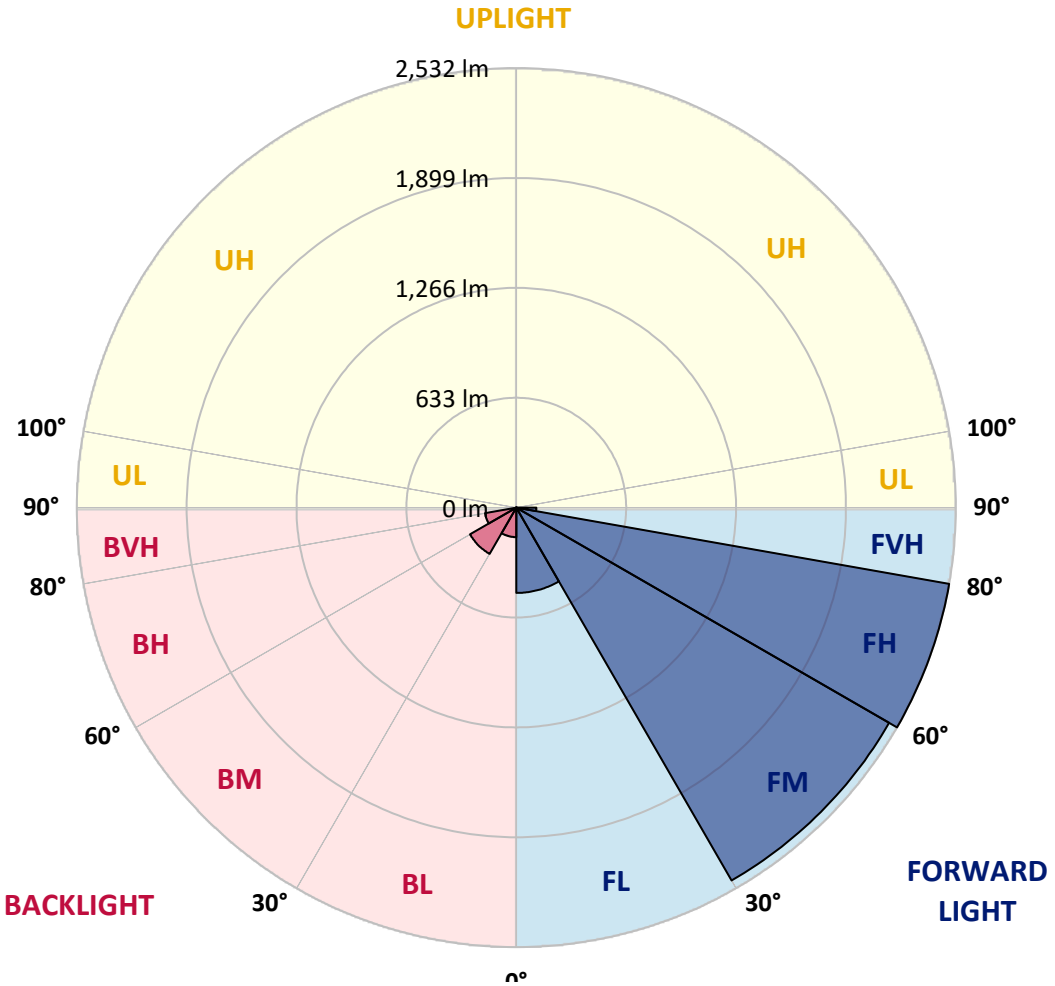
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	491.0	7.8			
FM	(30°-60°)	2479.6	39.5			
FH	(60°-80°)	2531.6	40.3			G2/5000
FVH	(80°-90°)	115.3	1.8			G2/225
BL	(0°-30°)	169.9	2.7	B1/500		
BM	(30°-60°)	307.6	4.9	B1/1000		
BH	(60°-80°)	182.9	2.9	B1/500		G1/500
BVH	(80°-90°)	2.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	928.8	928.8	928.8	928.8	928.8	928.8	928.8	*928.8*	928.8	928.8	928.8
2.5°	1030.5	1024.8	1025.6	1015.7	1008.8	1001.4	987.0	*985.0*	974.7	956.7	938.2
5°	1120.3	1116.6	1113.3	1102.3	1087.9	1069.9	1045.7	*1037.1*	1018.2	987.0	951.0
7.5°	1185.9	1181.4	1183.1	1172.0	1160.5	1140.4	1107.2	*1091.2*	1066.2	1018.6	964.1
10°	1198.6	1196.2	1206.8	1210.9	1210.9	1198.2	1165.8	*1149.8*	1113.3	1052.7	977.6
12.5°	1127.3	1127.7	1154.3	1186.3	1228.2	1240.1	1218.3	*1201.1*	1165.0	1088.7	994.8
15°	1044.0	1044.5	1070.3	1111.3	1179.8	1248.3	1265.5	*1254.4*	1217.1	1127.7	1014.9
17.5°	994.0	992.0	1009.2	1042.8	1114.6	1210.9	1294.2	*1301.6*	1271.2	1170.8	1037.1
20°	987.0	983.3	992.4	1009.2	1060.4	1164.2	1297.5	*1332.3*	1327.0	1219.6	1062.5
22.5°	1029.7	1023.9	1019.0	1019.8	1041.6	1125.2	1289.3	*1349.5*	1384.4	1278.2	1097.3
25°	1114.2	1105.1	1089.1	1068.6	1064.1	1117.0	1283.5	*1368.4*	1437.7	1353.2	1143.3
27.5°	1217.5	1204.8	1174.0	1143.3	1117.0	1140.0	1295.4	*1398.3*	1498.0	1440.6	1196.6
30°	1331.1	1315.5	1284.8	1226.5	1184.7	1191.3	1323.7	*1437.7*	1575.1	1539.4	1263.4
32.5°	1498.0	1461.9	1408.2	1319.2	1263.8	1246.6	1366.4	*1487.7*	1670.6	1671.0	1360.2
35°	1641.1	1621.0	1566.9	1456.2	1342.6	1320.0	1422.5	*1558.3*	1803.1	1845.3	1495.5
37.5°	1735.0	1707.5	1660.0	1576.7	1464.8	1395.5	1497.6	*1644.8*	1943.3	2043.8	1662.4
40°	1840.0	1812.9	1749.8	1671.4	1606.7	1525.1	1592.3	*1744.4*	2097.1	2247.6	1853.1
42.5°	1966.7	1931.4	1856.8	1772.3	1704.7	1695.6	1716.1	*1868.7*	2255.0	2469.0	2051.6
45°	2115.6	2082.3	1996.6	1890.0	1830.6	1814.6	1872.0	*2013.4*	2430.9	2711.8	2252.1
47.5°	2255.0	2216.4	2124.2	2027.0	1961.0	1910.5	2037.6	*2184.4*	2630.2	2965.6	2441.6
50°	2373.5	2334.1	2249.6	2145.9	2101.2	2035.2	2200.4	*2375.1*	2827.8	3223.6	2614.6
52.5°	2454.7	2419.8	2320.6	2250.1	2219.7	2186.5	2391.1	*2577.3*	3024.7	3459.8	2785.6
55°	2436.2	2405.1	2317.7	2312.8	2310.7	2345.6	2619.1	*2806.5*	3225.2	3683.3	2955.8
57.5°	2377.6	2342.3	2233.2	2308.3	2380.9	2487.5	2866.0	*3077.6*	3445.0	3894.0	3119.8
60°	2205.0	2192.6	2126.2	2299.7	2410.4	2626.5	3148.1	*3349.9*	3682.8	4079.4	3265.4
62.5°	1839.6	1850.2	1849.8	2317.7	2463.7	2784.8	3404.4	*3625.4*	3915.4	4257.8	3395.0
65°	1377.4	1414.3	1461.5	2155.3	2535.1	3067.3	3710.7	*3924.4*	4151.6	4465.3	3526.6
67.5°	925.5	955.1	987.0	1768.2	2322.6	3364.2	4219.6	*4334.0*	4434.5	4695.3	3674.6
70°	529.8	539.2	583.9	1104.3	1790.4	3282.2	5048.4	*5089.8*	4856.5	4978.7	3782.5
72.5°	*296.9*	*293.6*	*352.7*	*524.1*	*1000.6*	*2810.6*	*5338.7*	*5742.6*	*5234.1*	*4974.2*	*3541.8*
75°	198.5	198.9	242.8	330.5	390.0	1967.5	4600.6	*5324.8*	5007.8	4410.7	2893.9
77.5°	135.3	139.8	178.4	255.5	180.4	960.0	3043.5	*3730.0*	4054.4	3406.0	1997.9
80°	58.6	59.1	117.7	183.3	121.8	305.5	1578.0	*1998.3*	2542.8	1912.6	791.4
82.5°	30.3	34.4	75.0	118.5	76.7	107.0	745.5	*873.0*	1067.0	561.4	162.4
85°	10.7	12.7	46.3	58.2	38.5	38.1	259.6	*264.5*	225.9	84.5	44.7
87.5°	0.0	2.1	18.0	14.4	4.9	4.5	30.8	*25.8*	20.5	11.9	14.8
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°	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8	928.8
2.5°	929.6	918.6	900.5	878.4	852.5	838.6	818.5	806.2	795.1	795.5	804.6
5°	930.9	912.4	866.5	817.7	763.6	723.8	679.5	648.3	624.5	618.8	627.4
7.5°	934.6	903.4	828.3	747.1	656.9	590.1	529.0	490.4	468.7	463.0	468.7
10°	939.5	893.5	785.3	661.0	549.1	468.7	417.9	393.3	383.4	376.0	380.5
12.5°	943.6	883.3	731.2	572.0	453.1	390.4	351.8	331.3	322.7	317.4	320.3
15°	950.5	869.8	672.5	489.2	388.3	337.1	300.6	285.4	282.9	283.8	285.0
17.5°	957.5	856.6	606.9	424.4	340.8	290.3	268.2	265.7	269.0	272.3	273.5
20°	965.3	837.8	540.5	375.6	296.9	257.9	252.2	253.8	255.5	261.2	262.9
22.5°	976.8	814.0	482.2	334.2	260.4	242.4	239.5	240.7	241.9	247.7	249.3
25°	993.2	788.6	435.1	296.1	237.4	229.6	226.8	226.8	228.4	233.7	235.8
27.5°	1010.4	752.5	396.9	260.8	223.9	215.7	210.8	210.8	212.8	219.0	221.4
30°	1029.7	719.7	367.0	234.6	212.4	201.8	195.2	193.6	196.0	203.8	205.9
32.5°	1064.5	698.4	345.7	222.3	202.2	189.0	180.0	175.5	178.0	187.0	189.5
35°	1117.4	693.4	330.9	216.1	192.3	177.6	164.8	157.9	159.9	169.4	172.2
37.5°	1179.4	703.7	316.6	207.9	182.9	166.5	149.7	140.7	143.9	152.5	155.0
40°	1268.3	746.3	305.5	201.8	173.5	153.4	134.5	125.5	130.8	138.2	139.4
42.5°	1375.8	822.2	302.6	196.0	162.0	139.4	120.6	114.0	118.1	125.1	126.3
45°	1509.1	919.0	315.8	188.6	149.3	125.9	109.5	105.8	107.0	114.0	117.3
47.5°	1652.2	1018.2	351.8	182.1	138.2	114.8	100.9	97.6	96.8	103.3	107.4
50°	1796.9	1106.4	394.5	177.2	130.4	105.8	94.3	90.2	88.2	92.3	93.9
52.5°	1940.0	1176.5	422.4	168.9	122.6	96.8	88.6	82.4	78.7	80.8	82.4
55°	2085.2	1238.0	424.0	156.6	115.2	91.0	82.8	75.9	71.4	71.4	72.2
57.5°	2220.9	1292.1	399.8	140.2	105.0	85.7	75.0	69.3	64.4	62.7	63.2
60°	2341.1	1332.3	359.6	121.8	96.0	78.7	67.3	62.7	56.6	53.3	52.5
62.5°	2448.1	1352.0	304.7	102.9	84.9	70.5	59.9	54.9	46.7	42.6	42.2
65°	2538.7	1331.9	247.3	85.3	75.5	61.5	51.3	46.3	37.3	32.4	32.4
67.5°	2628.6	1240.1	187.0	71.8	65.6	51.7	42.2	37.7	31.2	27.1	27.1
70°	2640.0	1046.9	130.8	60.3	54.5	39.8	34.0	31.2	25.4	21.7	21.3
72.5°	*2350.1*	*753.3*	*79.6*	*49.2*	*42.6*	*28.3*	*27.1*	*24.6*	*18.9*	*16.4*	*16.0*
75°	1878.5	461.7	46.7	36.9	28.3	20.1	20.1	17.6	12.7	10.7	10.7
77.5°	1298.3	241.5	27.5	23.8	16.8	11.9	13.1	10.7	6.2	4.9	4.9
80°	520.0	91.9	14.8	11.1	7.8	5.3	4.5	2.5	1.2	0.8	1.2
82.5°	103.7	24.2	4.9	2.9	2.9	1.2	0.0	0.0	0.0	0.0	0.0
85°	26.7	5.3	1.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.2	0.0	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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(END OF REPORT)