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: P1197940

Luminaire Tested: GPC-SB1B-827-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1197940
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1B-827-U-T2R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5014 lumens
Efficiency:	N/A
Efficacy:	126.0 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

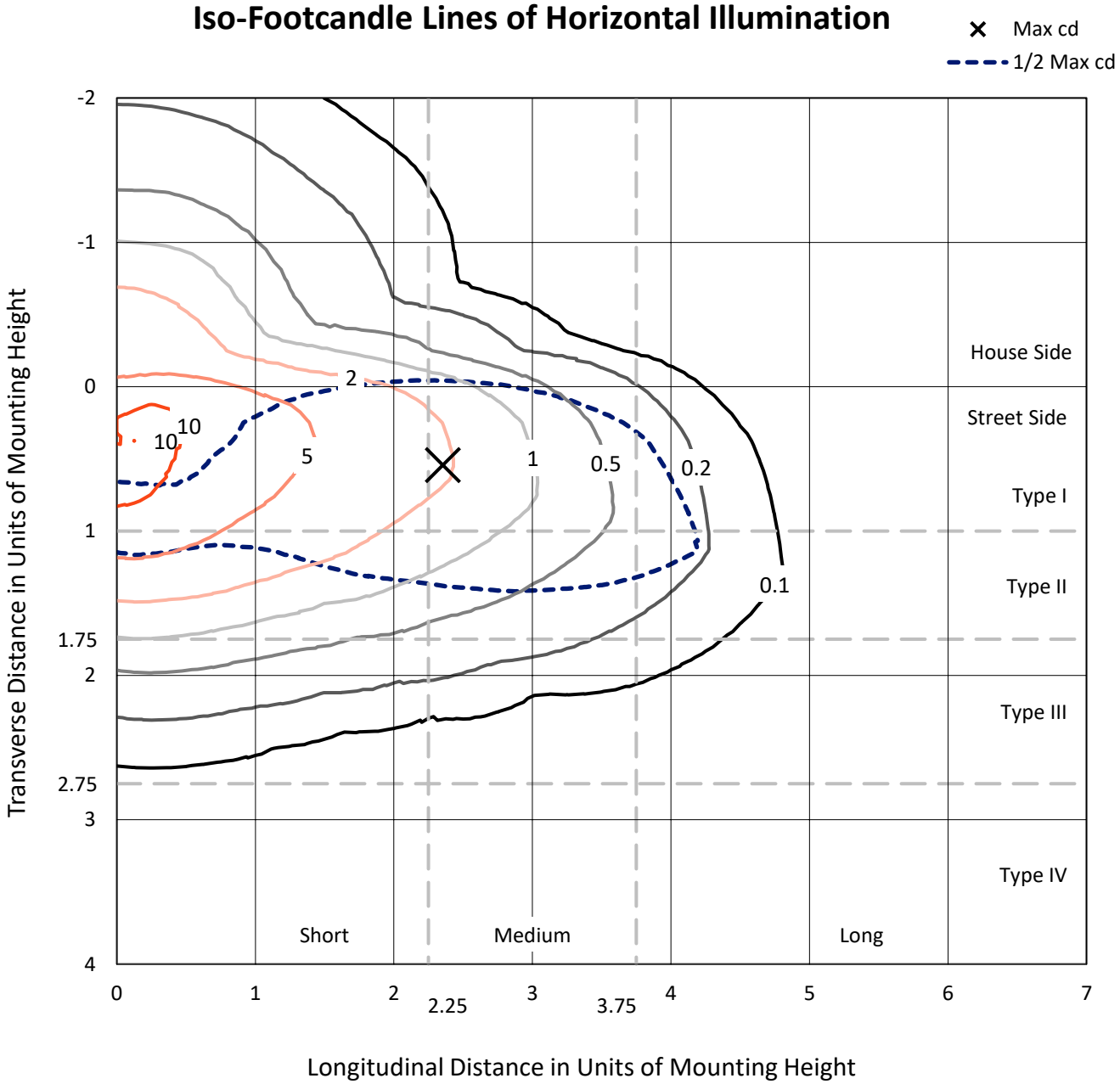


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Iso-Footcandle Lines of Horizontal Illumination



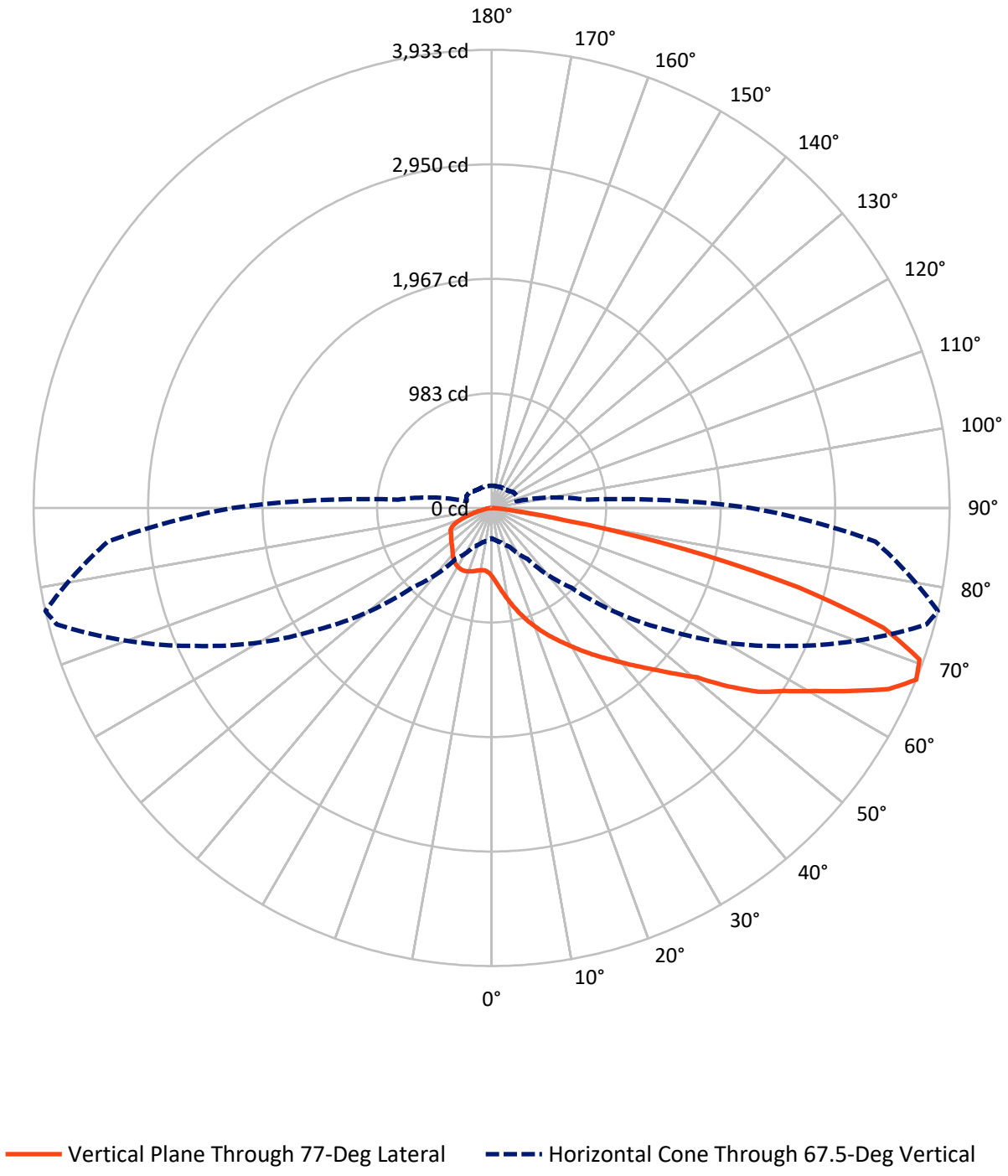
Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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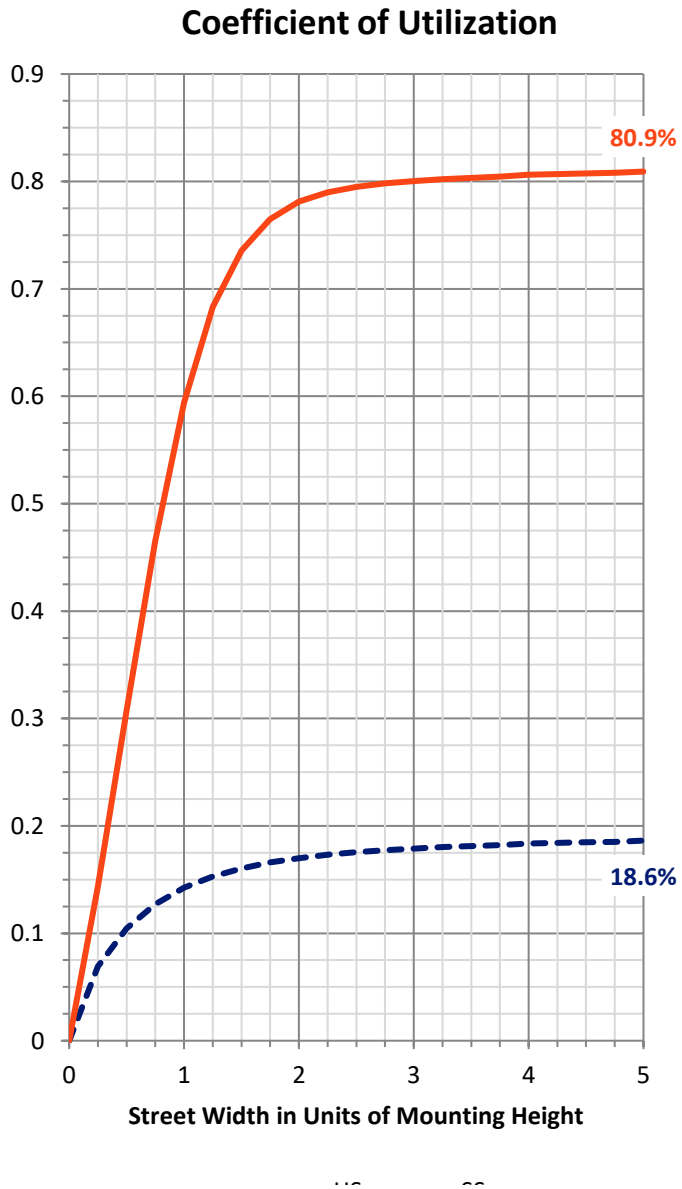
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	948.4	0.0	948.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	4065.6	0.0	4065.6
	% Fixture	81.1	0.0	81.1
Total	Lumens	5014.0	0.0	5014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.3
10°-20°	226.5	4.5
20°-30°	427.7	8.5
30°-40°	689.1	13.7
40°-50°	942.5	18.8
50°-60°	1063.2	21.2
60°-70°	992.3	19.8
70°-80°	544.0	10.8
80°-90°	65.6	1.3
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°	5014.0	100.0
0°-180°	5014.0	100.0



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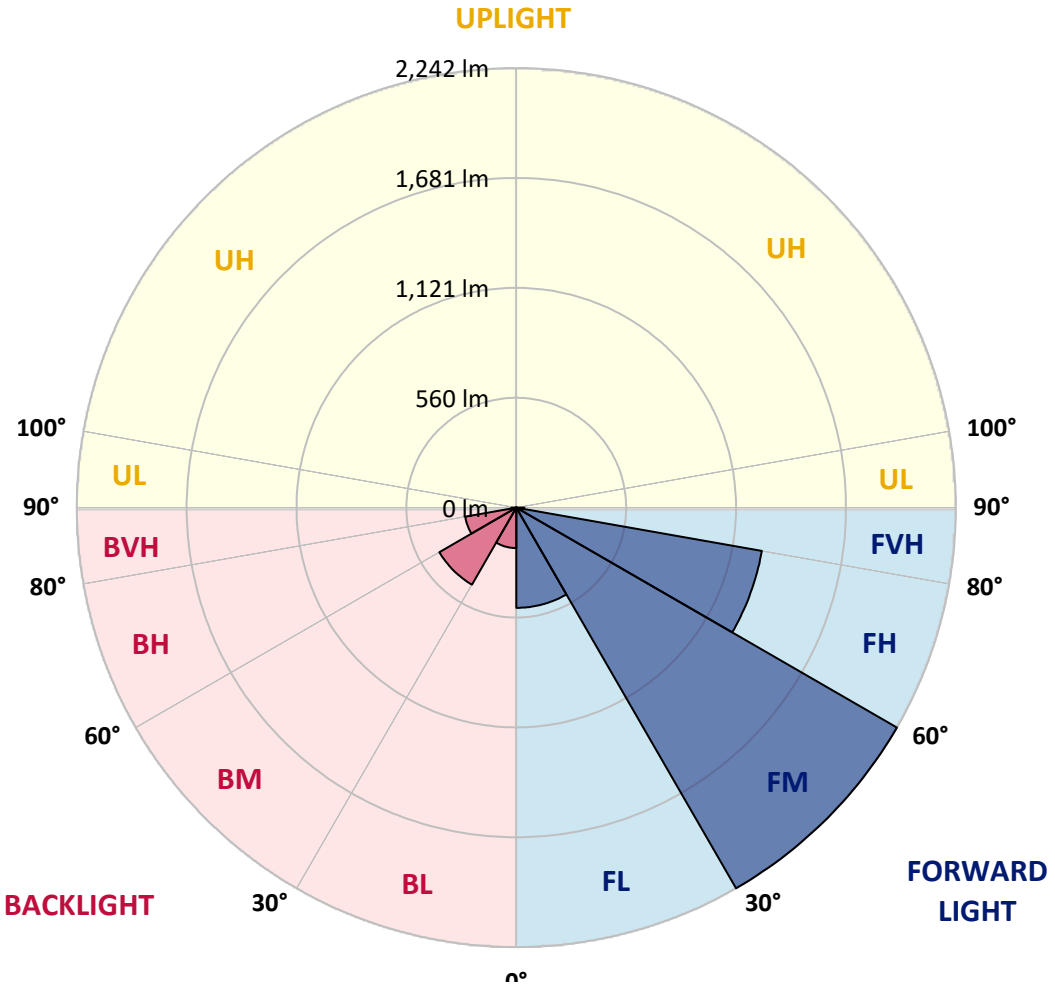
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	511.1	10.2			
FM	(30°-60°)	2241.7	44.7			
FH	(60°-80°)	1271.7	25.4			G1/1800
FVH	(80°-90°)	41.0	0.8			G1/100
BL	(0°-30°)	206.2	4.1	B1/500		
BM	(30°-60°)	453.0	9.0	B1/1000		
BH	(60°-80°)	264.6	5.3	B1/500		G1/500
BVH	(80°-90°)	24.6	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	588.3	588.3	588.3	588.3	588.3	588.3	588.3	588.3	588.3	*588.3*	588.3
2.5°	736.6	741.8	735.3	735.3	713.6	702.2	680.4	663.9	634.1	*628.9*	609.3
5°	870.7	877.1	868.1	864.2	838.6	815.0	778.5	742.6	689.5	*684.1*	637.7
7.5°	974.5	982.7	974.7	970.6	947.8	921.4	878.7	828.5	753.7	*743.1*	676.0
10°	1059.1	1060.4	1057.8	1059.4	1041.5	1019.8	976.0	917.5	824.1	*809.6*	722.4
12.5°	1107.0	1112.9	1118.1	1127.4	1124.3	1110.9	1071.5	1001.6	898.6	*880.0*	772.8
15°	1129.5	1139.8	1151.5	1173.0	1190.3	1193.7	1163.7	1092.0	974.5	*951.9*	823.8
17.5°	1137.5	1147.3	1165.7	1196.8	1234.1	1259.2	1245.7	1179.7	1049.5	*1023.6*	877.4
20°	1178.1	1181.0	1192.1	1221.6	1262.0	1303.7	1313.8	1264.1	1123.8	*1094.5*	932.8
22.5°	1265.1	1259.4	1262.5	1276.0	1305.0	1345.3	1368.4	1338.6	1200.1	*1166.5*	988.7
25°	1408.8	1392.2	1375.6	1360.1	1374.9	1397.6	1423.8	1413.2	1280.1	*1237.4*	1045.1
27.5°	1590.2	1570.0	1533.5	1482.5	1464.7	1472.7	1484.3	1482.3	1354.1	*1310.9*	1103.3
30°	1768.8	1745.2	1701.7	1628.0	1580.9	1559.6	1550.8	1544.9	1434.6	*1388.6*	1162.1
32.5°	1911.4	1892.8	1850.0	1767.5	1699.2	1662.9	1633.7	1612.4	1518.8	*1472.7*	1224.2
35°	2036.1	2018.8	1969.9	1879.8	1805.5	1767.0	1728.7	1683.4	1606.2	*1559.6*	1291.0
37.5°	2150.0	2132.7	2065.6	1971.9	1897.2	1870.5	1836.3	1759.5	1694.0	*1650.0*	1361.7
40°	2222.0	2218.1	2155.5	2049.3	1971.7	1958.5	1947.1	1847.7	1791.3	*1750.4*	1439.3
42.5°	2240.3	2248.9	2199.2	2112.0	2037.9	2027.3	2054.0	1947.6	1900.5	*1861.4*	1527.3
45°	2196.1	2220.7	2188.1	2128.8	2085.1	2079.4	2148.7	2056.8	2021.4	*1985.7*	1633.4
47.5°	2084.0	2125.7	2112.2	2103.9	2097.7	2122.3	2232.1	2172.8	2158.3	*2127.2*	1754.5
50°	1857.8	1936.8	1960.3	2012.6	2072.6	2155.7	2307.9	2299.4	2318.3	*2286.9*	1902.1
52.5°	1466.7	1575.4	1712.1	1843.1	1995.5	2144.6	2391.2	2481.0	2560.8	*2543.7*	2136.6
55°	1210.8	1259.7	1364.8	1604.9	1845.9	2097.7	2428.8	2627.8	2801.5	*2786.2*	2314.4
57.5°	1014.1	1057.8	1122.5	1323.1	1619.7	1991.4	2452.1	2717.4	2966.3	*2964.8*	2489.8
60°	803.1	849.4	915.7	1057.8	1355.4	1807.6	2446.9	2819.3	3176.8	*3189.7*	2703.9
62.5°	565.0	616.0	689.5	822.0	1085.5	1569.5	2341.3	2893.1	3424.4	*3459.6*	2961.4
65°	371.4	405.1	460.4	574.8	808.8	1263.3	2139.7	2902.7	3689.5	*3749.0*	3203.2
67.5°	*260.4*	*273.3*	*305.9*	*368.0*	*533.2*	*968.8*	*1818.5*	*2803.5*	*3866.3*	*3933.3*	*3308.0*
70°	203.2	209.6	226.2	251.1	334.9	651.5	1393.5	2545.8	3828.5	*3898.3*	3198.5
72.5°	175.5	181.7	187.9	191.0	224.7	402.2	943.9	2128.5	3472.6	*3520.0*	2781.0
75°	159.2	160.7	165.9	164.9	171.3	260.9	544.8	1550.8	2739.9	*2723.6*	2053.0
77.5°	133.8	135.9	144.4	143.1	152.2	178.3	282.9	1000.9	1776.3	*1665.5*	1142.7
80°	113.4	114.4	123.7	122.2	132.3	129.2	144.4	510.1	753.4	*638.3*	329.5
82.5°	39.3	48.7	94.5	97.3	100.9	78.2	83.3	208.1	230.1	*176.3*	69.1
85°	19.2	20.4	48.1	68.3	68.1	39.3	40.6	74.3	72.5	*56.9*	23.0
87.5°	3.1	3.9	5.7	26.7	21.2	10.4	14.0	14.5	15.0	*12.9*	5.2
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°	588.3	588.3	588.3	588.3	588.3	588.3	588.3	588.3	588.3	588.3	588.3
2.5°	594.8	581.8	554.7	529.5	509.9	491.0	480.4	471.3	466.1	465.1	465.1
5°	610.8	584.2	534.7	493.1	465.9	445.7	435.1	428.3	425.0	422.9	422.7
7.5°	633.9	594.8	524.4	477.0	448.5	434.0	428.6	427.6	427.3	427.6	428.3
10°	665.7	612.1	523.3	473.1	449.3	441.3	441.0	441.3	442.3	442.6	442.8
12.5°	700.1	630.0	527.5	476.5	459.1	454.7	454.0	453.7	454.5	455.0	455.3
15°	737.6	653.5	534.5	483.7	470.0	465.4	464.6	463.0	462.8	462.5	462.3
17.5°	776.2	676.8	542.2	491.5	477.0	470.5	467.7	464.1	461.2	460.4	461.2
20°	815.3	699.8	547.7	495.4	477.5	468.5	462.8	456.6	451.6	448.8	449.8
22.5°	857.0	723.9	551.0	494.3	472.9	460.4	450.1	442.8	435.3	430.4	430.7
25°	897.6	744.9	550.8	488.9	463.8	448.0	434.8	425.5	415.1	410.0	410.0
27.5°	936.7	763.8	544.3	479.3	450.9	433.3	417.5	406.3	396.3	391.3	391.1
30°	977.0	779.6	534.2	465.4	435.6	416.2	398.8	389.3	380.2	375.5	375.3
32.5°	1017.2	794.1	520.0	448.0	418.0	399.4	382.3	373.5	368.0	368.0	368.3
35°	1059.6	804.2	501.1	427.8	399.4	381.5	368.0	362.9	362.3	359.2	358.5
37.5°	1104.4	810.6	478.0	407.1	381.0	364.2	360.0	353.8	348.6	341.9	340.9
40°	1151.5	817.1	450.3	385.6	361.6	352.3	350.4	342.2	327.4	310.8	308.5
42.5°	1208.7	821.5	421.6	364.2	341.1	338.0	340.6	326.4	302.8	290.4	290.7
45°	1274.9	828.7	395.2	342.9	320.2	320.2	331.0	312.4	293.0	285.2	286.5
47.5°	1360.9	845.6	370.6	319.6	300.7	305.9	309.8	295.6	284.7	275.1	274.9
50°	1485.1	885.9	345.3	296.1	286.0	296.3	290.9	282.6	269.9	262.2	261.4
52.5°	1639.4	909.8	322.7	274.9	273.3	283.7	275.9	268.1	258.6	248.2	246.1
55°	1744.4	914.2	303.9	259.3	264.8	263.7	260.9	253.9	248.7	235.0	235.3
57.5°	1862.0	923.0	288.3	250.0	259.3	247.9	246.9	241.0	234.2	224.9	221.8
60°	2002.5	936.7	274.9	246.4	254.7	237.6	232.4	230.1	223.4	218.7	220.0
62.5°	2155.7	949.1	261.1	246.9	249.2	227.5	219.7	219.0	214.8	213.3	213.3
65°	2260.3	915.2	244.1	246.4	240.7	217.2	207.3	207.1	203.7	203.2	202.9
67.5°	*2223.8*	*807.8*	*221.0*	*239.1*	*231.9*	*206.8*	*195.9*	*194.9*	*190.5*	*190.8*	*190.8*
70°	2041.1	654.6	189.2	221.3	221.0	197.5	184.0	180.7	174.7	175.7	176.8
72.5°	1698.4	485.0	146.5	191.5	203.7	188.9	170.3	164.9	157.4	158.4	158.1
75°	1226.5	329.7	106.6	145.7	177.3	178.8	156.8	147.5	138.5	140.0	140.5
77.5°	627.6	186.9	78.4	100.4	139.2	162.5	144.7	132.3	130.2	144.7	142.6
80°	204.7	93.7	54.4	70.4	91.4	133.0	126.8	112.6	112.1	115.4	99.1
82.5°	61.1	39.6	34.9	46.3	50.5	102.0	109.5	85.2	73.2	77.1	79.7
85°	21.0	19.2	19.9	23.0	24.1	59.8	76.6	56.4	53.3	58.8	58.0
87.5°	4.9	6.7	5.7	5.2	5.2	14.5	29.8	23.6	32.6	21.7	21.0
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)