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: P1200805

Luminaire Tested: GPC-SB2D-827-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1200805
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB2D-827-U-T4W
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17657 lumens
Efficiency:	N/A
Efficacy:	119.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

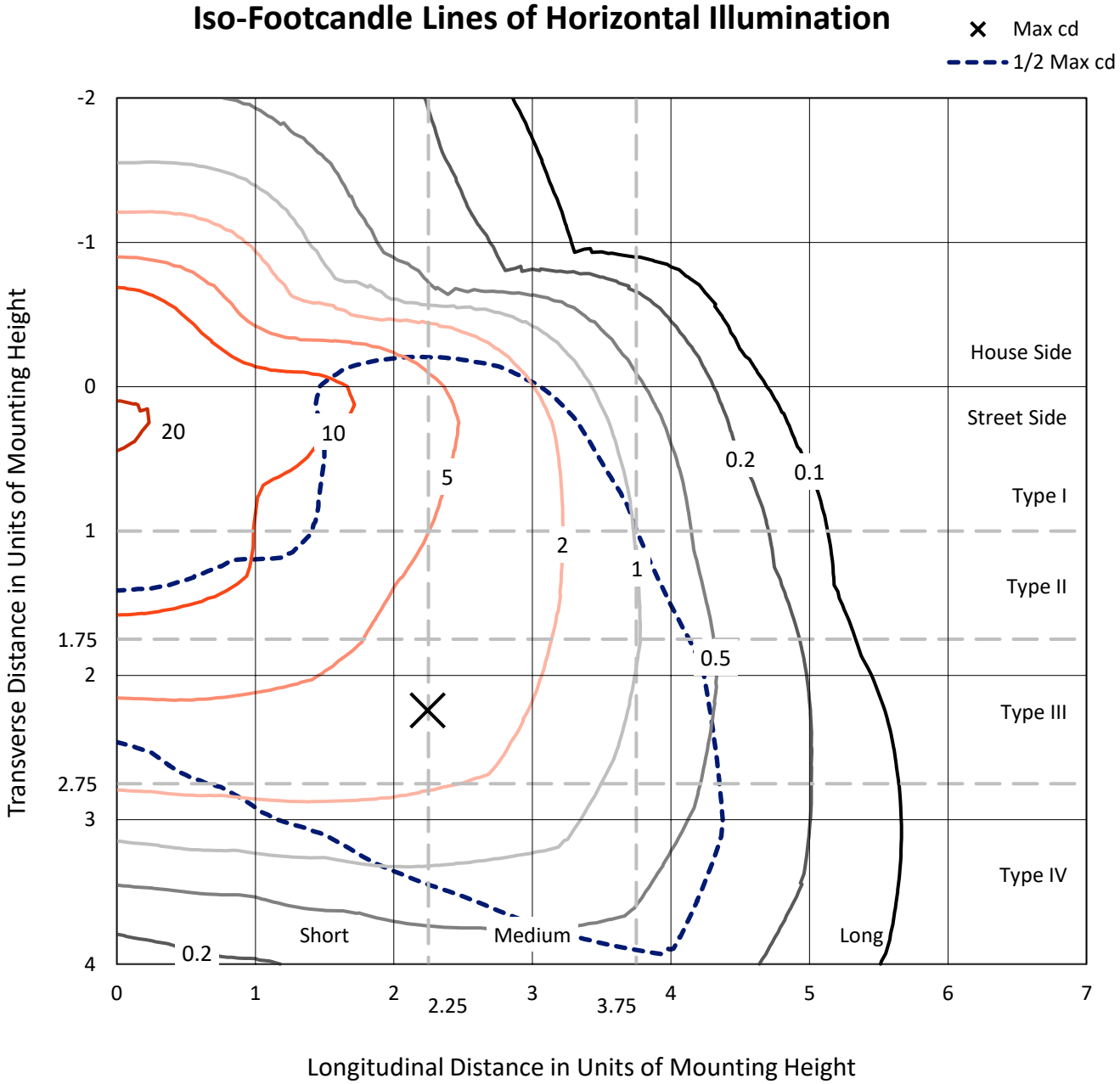


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Iso-Footcandle Lines of Horizontal Illumination



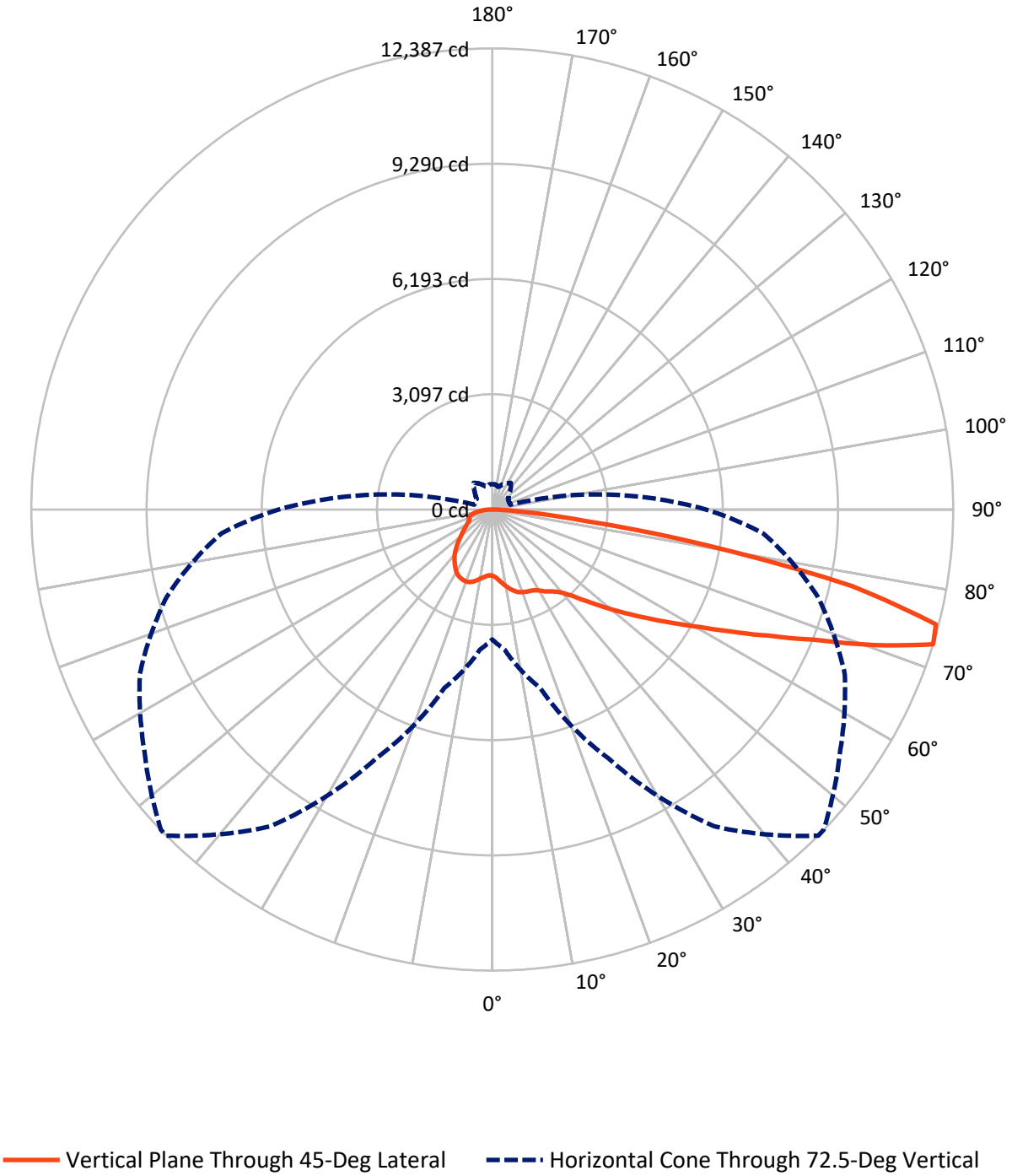
Based on 10 foot mounting height. Maximum calculated value = 22.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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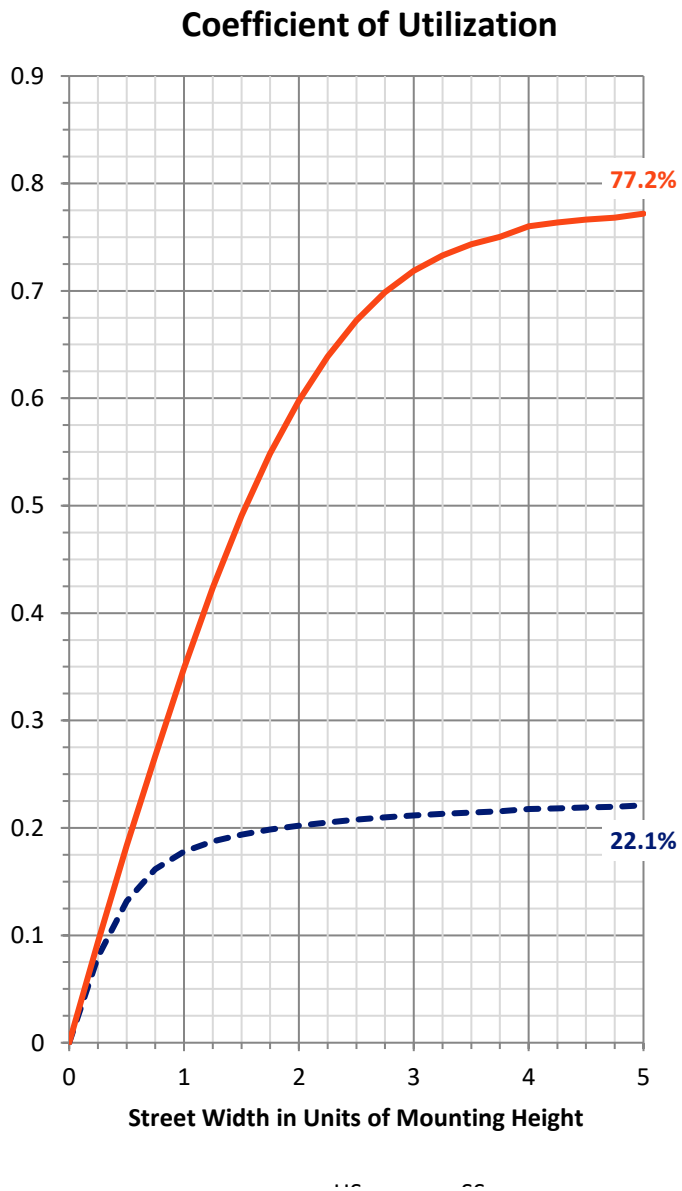
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3991.6	0.0	3991.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	13665.4	0.0	13665.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	17657.0	0.0	17657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	1.0
10°-20°	604.5	3.4
20°-30°	1051.5	6.0
30°-40°	1507.4	8.5
40°-50°	2122.5	12.0
50°-60°	3251.0	18.4
60°-70°	4709.6	26.7
70°-80°	3760.9	21.3
80°-90°	468.4	2.7
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°	17657.0	100.0
0°-180°	17657.0	100.0



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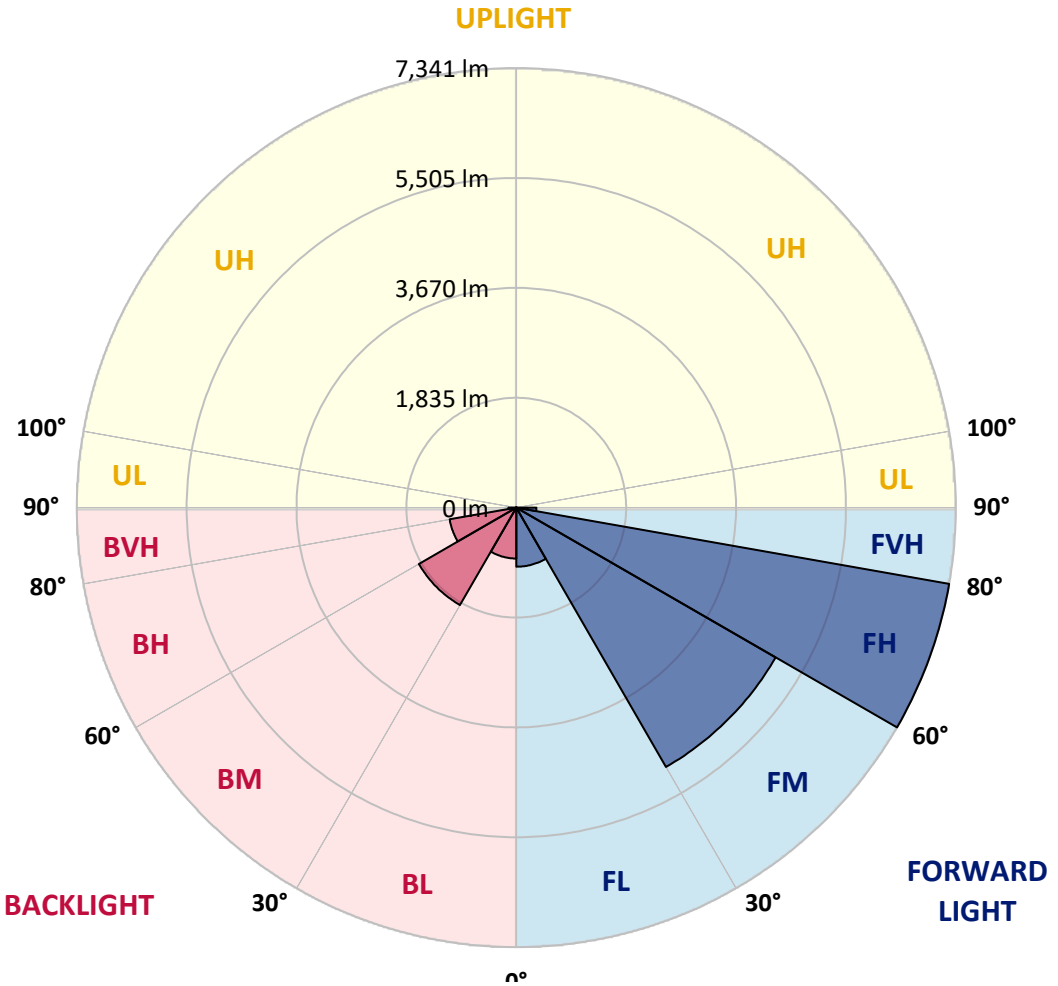
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	987.4	5.6			
FM	(30°-60°)	5001.4	28.3			
FH	(60°-80°)	7340.5	41.6			G3/7500
FVH	(80°-90°)	336.0	1.9			G3/500
BL	(0°-30°)	849.9	4.8	B2/1000		
BM	(30°-60°)	1879.5	10.6	B2/2500		
BH	(60°-80°)	1129.9	6.4	B3/2500		G3/2500
BVH	(80°-90°)	132.4	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1781.2	1781.2	1781.2	1781.2	1781.2	*1781.2*	1781.2	1781.2	1781.2	1781.2	1781.2
2.5°	1851.0	1863.1	1851.9	1841.7	1837.1	*1825.0*	1824.0	1816.6	1811.9	1798.9	1795.2
5°	1980.3	1996.1	1977.5	1957.0	1938.4	*1908.7*	1905.0	1883.6	1859.4	1831.5	1815.7
7.5°	2126.3	2140.3	2118.9	2088.2	2055.6	*2006.3*	2005.4	1966.3	1928.2	1880.8	1853.8
10°	2253.8	2272.4	2243.5	2201.7	2160.8	*2104.9*	2098.4	2053.8	2005.4	1944.0	1903.1
12.5°	2366.3	2379.3	2351.4	2300.3	2252.8	*2197.0*	2188.7	2139.4	2085.4	2015.6	1963.6
15°	2455.6	2472.4	2435.1	2380.3	2330.0	*2275.2*	2267.7	2223.1	2169.1	2095.6	2028.7
17.5°	2514.2	2528.2	2490.0	2428.6	2380.3	*2334.7*	2329.1	2291.9	2244.5	2170.1	2098.4
20°	2536.5	2551.4	2511.4	2449.1	2404.5	*2369.1*	2366.3	2339.3	2306.8	2238.9	2166.3
22.5°	2558.9	2572.8	2520.7	2455.6	2416.5	*2394.2*	2393.3	2375.6	2362.6	2306.8	2236.1
25°	2649.1	2652.8	2583.0	2489.1	2433.3	*2413.8*	2412.8	2411.9	2417.5	2373.8	2311.4
27.5°	2727.2	2726.3	2666.8	2578.4	2491.9	*2451.0*	2450.0	2459.3	2477.0	2440.7	2389.6
30°	2841.6	2831.4	2760.7	2668.6	2589.6	*2526.3*	2520.7	2512.3	2526.3	2497.5	2467.7
32.5°	3084.4	3051.8	2937.4	2773.7	2670.5	*2622.1*	2614.7	2562.6	2568.2	2550.5	2535.6
35°	3432.3	3389.5	3236.9	2972.8	2770.9	*2702.1*	2698.4	2632.3	2621.2	2605.4	2610.9
37.5°	3846.2	3793.2	3615.5	3261.1	2943.9	*2795.1*	2789.5	2730.0	2684.4	2667.7	2699.3
40°	4262.0	4195.0	4048.0	3612.7	3198.8	*2950.5*	2932.8	2842.6	2790.5	2762.6	2829.5
42.5°	4665.7	4609.9	4484.3	4007.1	3513.2	*3177.4*	3138.3	2983.9	2944.9	2918.8	3039.7
45°	5022.8	4972.6	4880.5	4428.5	3881.5	*3486.2*	3448.1	3196.0	3183.9	3183.9	3358.8
47.5°	5313.0	5301.9	5204.2	4858.2	4315.9	*3837.8*	3771.8	3490.9	3523.4	3573.7	3811.8
50°	5634.9	5604.2	5500.0	5281.4	4826.6	*4240.6*	4186.6	3852.7	3974.6	4112.2	4466.6
52.5°	5930.7	5947.4	5831.1	5722.3	5403.3	*4689.8*	4595.0	4279.6	4542.9	4770.8	5234.0
55°	6234.8	6235.8	6203.2	6188.3	6007.9	*5186.5*	5082.4	4793.1	5211.7	5494.4	6128.8
57.5°	6520.4	6522.2	6570.6	6701.8	6709.2	*5759.5*	5641.4	5423.7	5954.9	6243.2	7051.5
60°	6775.3	6788.3	6920.4	7227.3	7325.9	*6416.2*	6304.6	6168.8	6723.2	7013.4	8021.7
62.5°	6860.8	6908.3	7202.2	7638.4	7935.2	*7221.7*	7112.0	7031.0	7530.5	7800.3	8832.8
65°	6715.7	6824.6	7392.9	7977.9	8562.1	*8178.9*	8070.0	7981.7	8369.5	8623.5	9498.7
67.5°	6359.5	6499.9	7381.7	8334.2	9322.9	*9330.4*	9229.0	9021.6	9269.0	9366.7	9715.5
70°	5420.9	5631.2	6731.5	8467.2	10196.4	*10905.1*	10807.5	10273.6	10166.6	9694.1	9105.3
72.5°	*3492.7*	*3775.5*	*4956.8*	*7372.4*	*10390.8*	*12386.9*	*12381.3*	*11403.7*	*10450.3*	*9057.9*	*7302.7*
75°	1274.3	1447.3	2303.1	4627.5	8722.1	*12311.5*	12347.8	11210.2	9539.7	6996.6	4549.4
77.5°	464.1	507.9	751.6	1778.5	5364.2	*9878.3*	9953.6	8962.0	6790.1	3511.3	1802.6
80°	243.7	267.9	385.1	690.2	2298.4	*5866.5*	5984.6	5326.1	3191.4	1057.6	540.4
82.5°	134.9	146.0	215.8	374.9	1035.3	*2508.6*	2579.3	2104.0	1122.7	448.3	223.2
85°	72.6	77.2	101.4	204.6	506.0	*869.7*	889.2	628.8	447.4	263.2	107.9
87.5°	21.4	26.0	33.5	65.1	198.1	*195.3*	200.0	124.6	176.7	133.0	35.3
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°	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2	1781.2
2.5°	1789.6	1786.8	1776.6	1771.9	1766.4	1765.4	1770.1	1771.0	1771.9	1772.9	1776.6
5°	1806.4	1797.1	1787.8	1782.2	1784.0	1785.0	1794.3	1800.8	1805.4	1809.2	1811.0
7.5°	1838.9	1831.5	1815.7	1814.7	1817.5	1825.9	1838.0	1852.9	1861.2	1867.8	1869.6
10°	1887.3	1873.3	1854.7	1857.5	1863.1	1875.2	1900.3	1912.4	1926.4	1938.4	1935.7
12.5°	1936.6	1924.5	1903.1	1905.0	1914.3	1935.7	1959.8	1974.7	1984.0	1993.3	1997.0
15°	2000.8	1979.4	1956.1	1956.1	1972.9	1996.1	2007.3	2019.4	2024.9	2035.2	2038.9
17.5°	2066.8	2038.9	2008.2	2006.3	2026.8	2038.0	2044.5	2046.3	2048.2	2059.4	2063.1
20°	2132.8	2102.2	2058.4	2054.7	2059.4	2057.5	2056.6	2054.7	2057.5	2071.5	2077.0
22.5°	2198.0	2162.6	2102.2	2085.4	2072.4	2054.7	2053.8	2052.9	2054.7	2068.7	2078.0
25°	2274.2	2231.4	2150.5	2100.3	2056.6	2032.4	2035.2	2036.1	2038.0	2049.1	2064.0
27.5°	2357.0	2309.6	2195.2	2095.6	2016.6	1999.8	1995.2	1998.0	2004.5	2022.2	2039.8
30°	2439.8	2384.0	2236.1	2077.0	1966.3	1943.1	1928.2	1934.7	1955.2	1972.9	1992.4
32.5°	2515.1	2459.3	2268.6	2036.1	1902.2	1865.9	1846.4	1854.7	1875.2	1881.7	1905.0
35°	2603.5	2540.3	2282.6	1971.0	1832.4	1776.6	1750.6	1738.5	1748.7	1742.2	1762.6
37.5°	2702.1	2636.1	2280.7	1885.4	1750.6	1686.4	1650.1	1604.5	1583.1	1560.8	1574.8
40°	2848.1	2753.3	2258.4	1782.2	1649.2	1590.6	1525.5	1448.3	1399.9	1356.2	1359.0
42.5°	3047.2	2916.0	2217.5	1668.7	1534.8	1479.9	1391.5	1301.3	1225.0	1152.5	1146.0
45°	3343.9	3129.0	2166.3	1547.8	1411.0	1357.1	1261.3	1159.9	1073.4	980.4	969.2
47.5°	3771.8	3415.5	2118.0	1410.1	1280.8	1231.5	1145.0	1051.1	948.8	858.5	848.3
50°	4359.6	3826.7	2073.3	1276.2	1152.5	1115.3	1046.4	950.6	847.4	774.8	770.2
52.5°	5107.5	4385.7	2054.7	1146.9	1032.5	1018.5	963.6	874.3	776.7	715.3	710.6
55°	5966.0	5054.5	2054.7	1023.2	927.4	932.0	893.9	811.1	726.5	671.6	666.0
57.5°	6842.2	5731.6	2017.5	908.8	838.1	857.6	833.4	760.9	684.6	627.9	618.6
60°	7649.6	6299.0	1866.8	804.6	759.0	789.7	773.9	711.6	618.6	571.1	563.7
62.5°	8270.0	6619.0	1576.6	721.8	693.9	729.2	720.9	646.5	606.5	586.9	580.4
65°	8580.7	6566.9	1205.5	648.3	639.0	693.9	676.2	673.4	641.8	619.5	612.0
67.5°	8390.0	6118.6	874.3	594.4	607.4	661.3	729.2	740.4	681.8	638.1	630.6
70°	7553.8	5307.5	651.1	543.2	567.4	662.3	831.6	774.8	668.8	617.6	609.3
72.5°	*5746.5*	*3957.8*	*505.1*	*489.3*	*515.3*	*666.9*	*877.1*	*759.0*	*631.6*	*682.7*	*677.2*
75°	3286.2	2172.8	405.5	423.2	450.2	623.2	853.9	718.1	602.7	626.9	626.9
77.5°	1252.9	835.3	334.9	358.1	361.8	544.1	816.7	715.3	573.9	560.0	510.7
80°	434.4	326.5	277.2	284.6	280.0	483.7	783.2	622.3	469.7	420.4	406.5
82.5°	177.7	162.8	219.5	210.2	199.1	375.8	632.5	508.8	384.2	339.5	335.8
85°	77.2	103.2	145.1	127.4	115.3	260.4	506.9	430.7	324.6	280.0	279.0
87.5°	15.8	39.1	61.4	57.7	59.5	173.9	360.0	306.0	229.7	172.1	134.9
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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SS

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(END OF REPORT)