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: P1202339

Luminaire Tested: GWC-SB1D-827-U-SL2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202339
	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-SB1D-827-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA 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:	8842 lumens
Efficiency:	N/A
Efficacy:	111.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

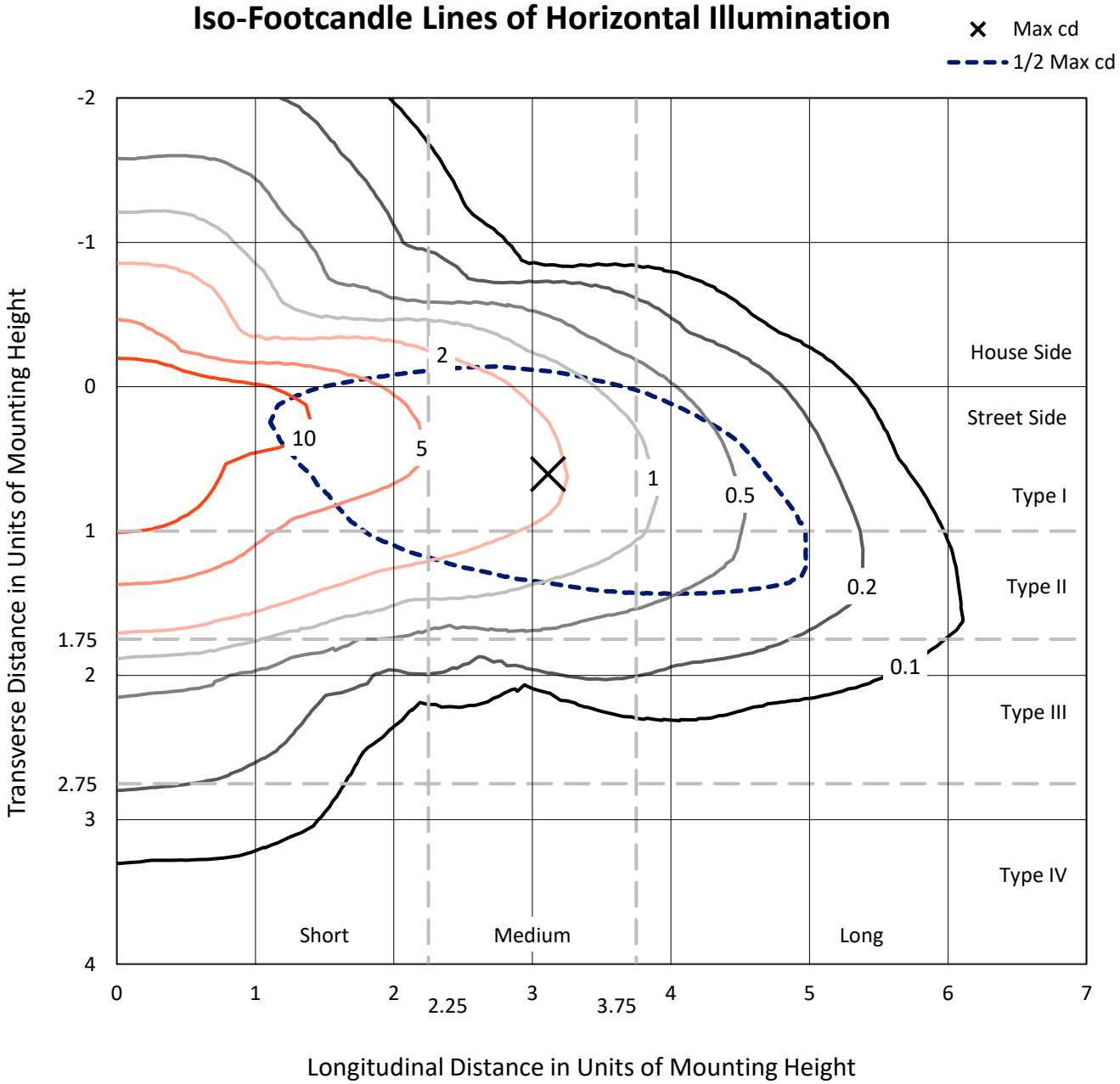


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Iso-Footcandle Lines of Horizontal Illumination



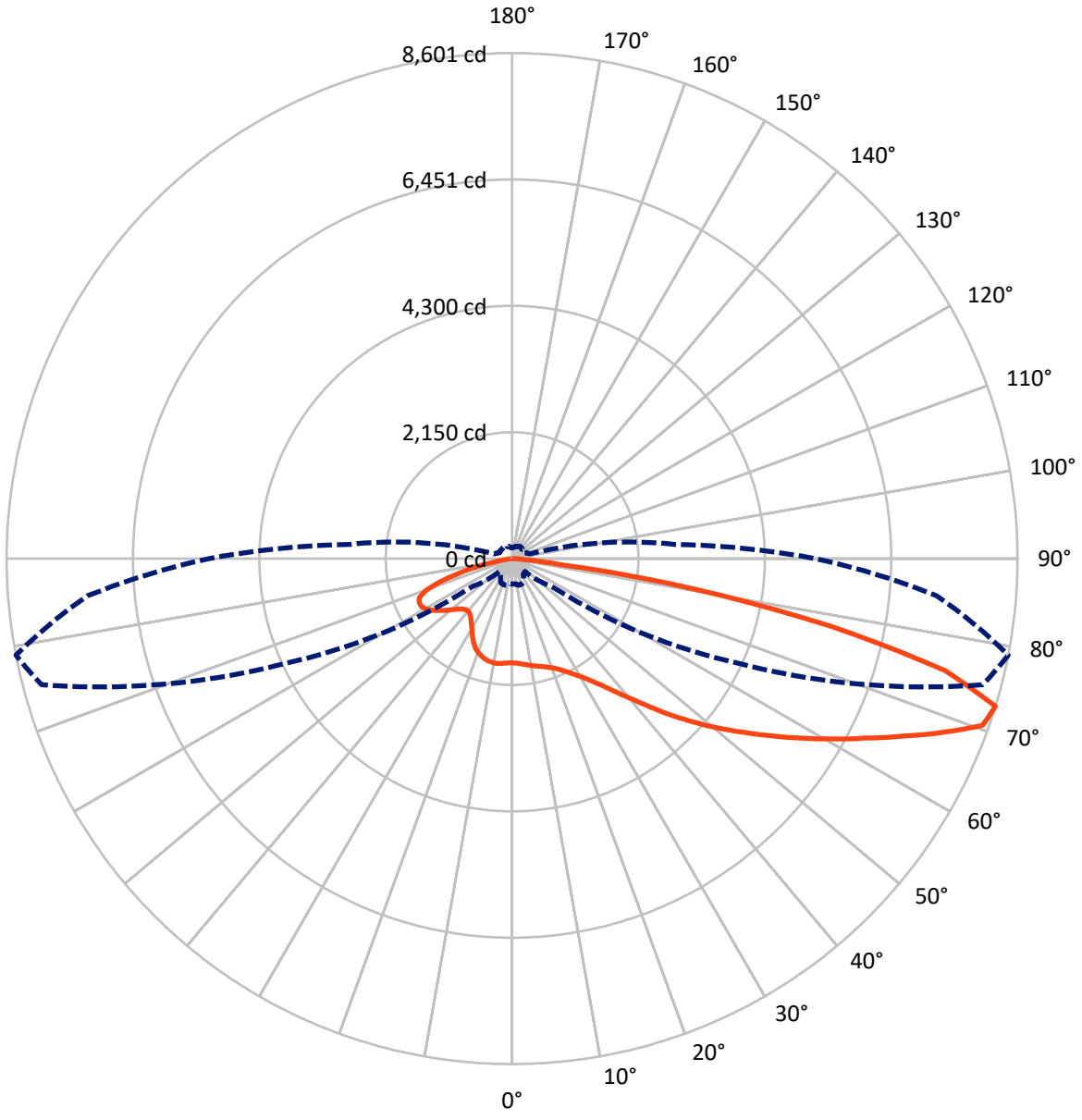
Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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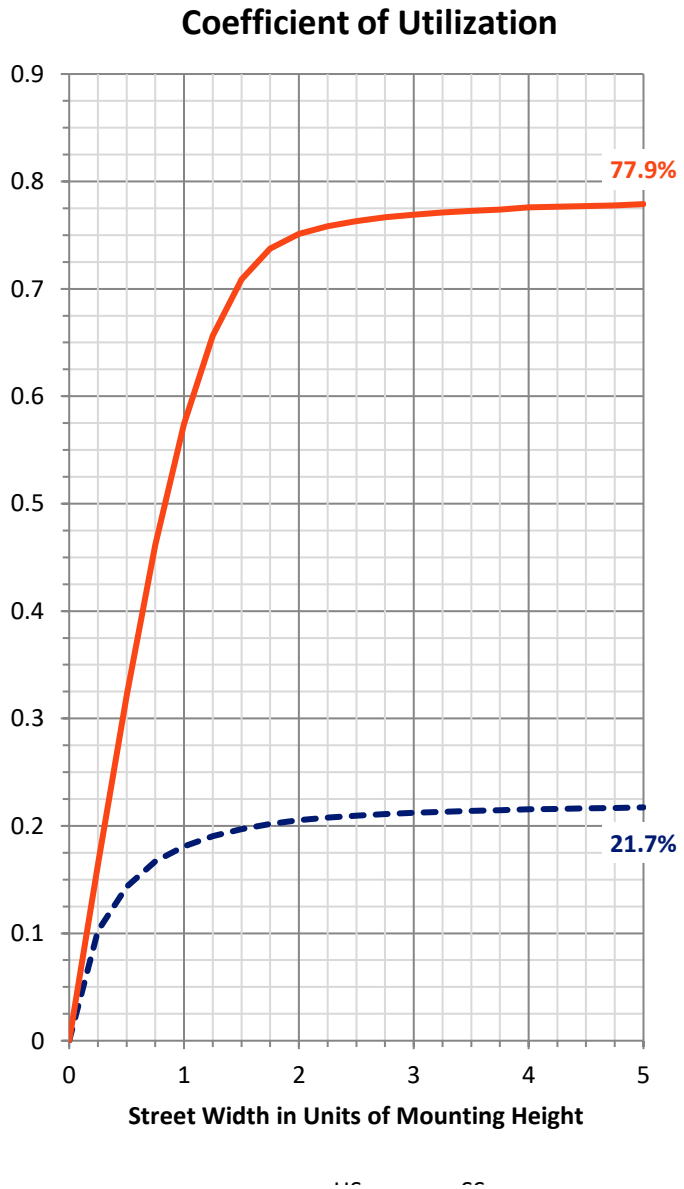
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1945.7	0.0	1945.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6896.3	0.0	6896.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	8842.0	0.0	8842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	1.8
10°-20°	421.2	4.8
20°-30°	679.7	7.7
30°-40°	1020.1	11.5
40°-50°	1447.1	16.4
50°-60°	1827.5	20.7
60°-70°	1856.1	21.0
70°-80°	1265.0	14.3
80°-90°	164.1	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°	8842.0	100.0
0°-180°	8842.0	100.0



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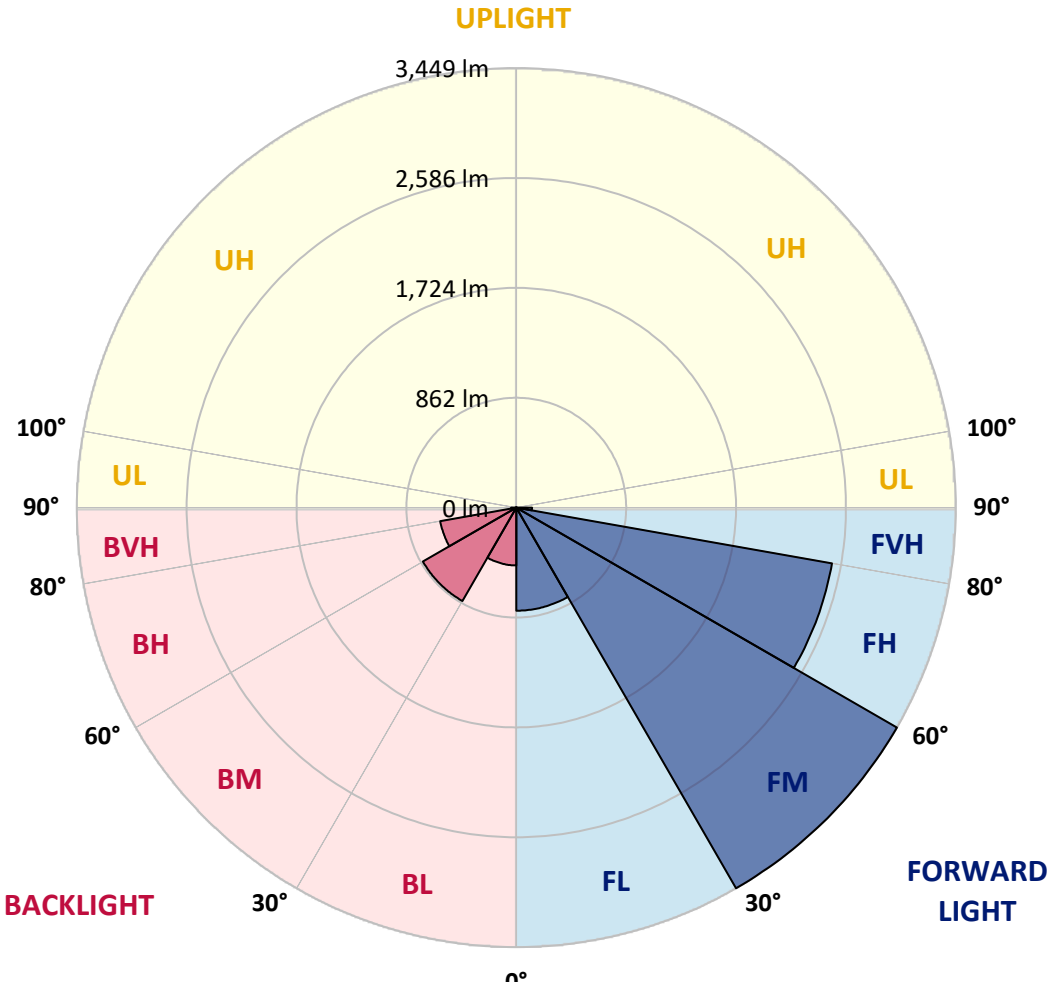
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	808.8	9.1			
FM	(30°-60°)	3448.6	39.0			
FH	(60°-80°)	2515.3	28.4			G2/5000
FVH	(80°-90°)	123.6	1.4			G2/225
BL	(0°-30°)	453.2	5.1	B1/500		
BM	(30°-60°)	846.2	9.6	B1/1000		
BH	(60°-80°)	605.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	40.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	*1774.9*	1774.9
2.5°	1775.9	1767.5	1772.6	1770.7	1773.1	1775.9	1776.8	1778.2	1782.9	*1782.4*	1782.0
5°	1772.1	1763.7	1770.7	1768.4	1774.5	1781.0	1786.6	1791.8	1799.3	*1802.5*	1797.9
7.5°	1764.2	1758.6	1765.6	1772.6	1783.8	1793.7	1801.6	1813.3	1824.1	*1825.9*	1829.2
10°	1717.9	1713.7	1730.0	1748.3	1779.2	1805.8	1823.1	1836.7	1848.4	*1850.2*	1854.9
12.5°	1669.7	1664.6	1682.8	1707.6	1757.6	1805.8	1842.3	1860.1	1870.4	*1876.4*	1883.5
15°	1661.8	1657.6	1667.8	1689.4	1731.0	1793.2	1855.4	1888.1	1897.0	*1904.0*	1906.8
17.5°	1700.1	1692.2	1696.4	1703.9	1728.2	1781.5	1865.7	1919.9	1933.5	*1941.0*	1941.0
20°	1789.0	1777.8	1771.2	1756.2	1752.0	1783.4	1864.7	1958.3	1976.1	*1985.4*	1987.8
22.5°	1907.3	1899.8	1885.8	1847.9	1806.8	1806.3	1882.5	2007.4	2040.6	*2049.5*	2043.9
25°	2050.4	2039.2	2021.4	1970.0	1890.9	1851.7	1912.5	2070.1	2125.7	*2128.1*	2111.7
27.5°	2215.1	2198.2	2173.9	2106.1	1999.4	1922.7	1958.3	2142.1	2223.5	*2222.5*	2188.9
30°	2388.6	2371.7	2346.0	2263.7	2129.5	2018.6	2021.9	2219.7	2339.5	*2334.3*	2276.8
32.5°	2515.3	2502.7	2497.6	2433.9	2279.1	2131.8	2094.9	2305.8	2482.6	*2477.9*	2397.5
35°	2612.6	2596.2	2602.3	2570.0	2442.4	2258.6	2184.2	2408.2	2656.6	*2656.1*	2556.0
37.5°	2709.0	2694.5	2699.6	2678.1	2593.4	2419.4	2293.2	2533.6	2872.2	*2882.5*	2747.8
40°	2796.9	2781.5	2802.0	2781.9	2710.8	2590.6	2417.1	2675.3	3121.9	*3141.6*	2979.8
42.5°	2849.7	2837.6	2871.7	2872.2	2812.8	2735.1	2553.2	2831.5	3411.0	*3455.0*	3265.1
45°	2868.0	2863.8	2915.2	2926.0	2903.1	2818.9	2675.8	3001.7	3722.5	*3801.1*	3590.1
47.5°	2848.3	2840.4	2911.5	2951.2	2969.5	2858.2	2777.2	3186.0	4040.5	*4155.6*	3944.6
50°	2749.2	2733.7	2839.4	2923.2	2988.2	2883.9	2879.7	3398.8	4402.1	*4527.9*	4301.0
52.5°	2571.0	2559.3	2679.5	2824.9	2947.0	2896.5	2994.7	3631.3	4745.4	*4908.1*	4666.3
55°	2343.2	2327.8	2460.1	2650.0	2844.6	2892.3	3109.8	3891.3	5150.4	*5315.5*	5043.8
57.5°	1982.1	1951.3	2118.7	2343.2	2677.6	2887.2	3229.5	4150.0	5562.0	*5759.8*	5446.4
60°	1455.5	1409.7	1615.0	1881.1	2351.2	2837.1	3377.8	4439.9	6055.9	*6234.1*	5886.1
62.5°	847.5	820.8	955.1	1203.4	1772.1	2542.5	3461.0	4777.2	6541.3	*6728.4*	6318.3
65°	658.1	650.6	662.3	681.4	986.4	1903.6	3204.3	5106.0	7158.7	*7289.7*	6768.7
67.5°	601.9	596.3	601.5	565.5	500.4	1060.3	2535.0	5189.2	7820.1	*7899.6*	7162.9
70°	535.1	528.5	545.3	514.5	393.8	482.2	1637.9	4887.1	8346.2	*8495.4*	7462.7
72.5°	*435.9*	*428.4*	*467.7*	*453.7*	*331.6*	*309.6*	*822.7*	*4169.1*	*8291.0*	*8600.7*	*7248.1*
75°	334.9	330.7	377.4	389.1	270.3	243.7	394.7	3099.0	7296.2	*7608.2*	6246.7
77.5°	260.0	256.8	280.6	323.2	218.0	189.0	242.7	1965.8	5498.4	*5553.1*	4304.8
80°	195.0	185.7	207.7	250.2	169.8	138.0	164.6	1146.3	3475.5	*3150.5*	1873.6
82.5°	122.1	117.4	135.6	167.0	119.7	94.9	107.1	633.3	1392.8	*820.4*	361.5
85°	69.7	67.8	73.9	95.4	65.0	54.7	61.3	279.7	254.4	*174.9*	109.0
87.5°	28.1	27.1	33.7	42.6	23.9	20.1	21.5	67.3	56.1	*51.9*	36.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9
2.5°	1780.1	1780.1	1773.5	1763.3	1751.6	1744.1	1731.9	1728.6	1716.0	1712.3	1718.4
5°	1801.6	1797.9	1777.8	1748.8	1709.0	1672.5	1632.3	1607.0	1571.5	1558.9	1568.2
7.5°	1828.7	1818.4	1783.8	1720.2	1637.0	1555.1	1470.0	1405.5	1343.7	1321.7	1324.5
10°	1853.5	1839.0	1780.1	1668.8	1524.7	1383.0	1247.4	1152.4	1080.4	1050.9	1057.5
12.5°	1878.3	1851.7	1755.3	1583.2	1365.2	1173.0	1028.5	954.6	910.2	874.6	886.3
15°	1901.7	1864.3	1717.0	1468.6	1190.3	995.3	888.6	829.7	794.2	770.8	775.0
17.5°	1928.8	1875.0	1659.4	1323.1	1023.8	872.3	785.3	749.7	742.7	739.9	741.8
20°	1966.7	1884.9	1583.7	1160.4	901.3	774.1	729.2	725.9	725.4	724.0	728.7
22.5°	2007.4	1896.6	1483.6	1012.6	797.0	712.8	704.8	698.3	694.1	693.6	698.8
25°	2055.6	1900.3	1358.2	891.4	708.1	683.8	674.4	664.6	661.8	661.8	664.6
27.5°	2102.3	1887.7	1212.3	786.2	658.1	657.1	645.0	641.7	641.2	642.6	646.4
30°	2149.1	1863.8	1067.3	688.9	629.1	629.1	624.9	627.2	629.1	633.7	637.0
32.5°	2212.3	1838.6	946.2	616.9	603.8	599.1	603.3	608.0	609.9	616.0	621.1
35°	2304.9	1820.8	849.8	577.6	577.6	571.5	573.9	572.9	568.7	565.9	572.5
37.5°	2427.4	1819.8	770.3	559.4	555.6	554.7	555.2	549.1	532.7	513.1	513.5
40°	2574.7	1845.1	709.0	546.7	543.9	549.6	546.7	530.4	485.5	451.3	450.4
42.5°	2772.6	1917.1	669.8	531.3	539.7	546.7	535.5	478.9	448.5	425.6	424.7
45°	3005.5	2034.1	649.6	514.9	531.8	540.2	485.9	461.2	436.8	409.2	407.4
47.5°	3269.3	2181.4	645.0	499.5	514.0	519.2	464.9	453.7	426.1	396.1	393.8
50°	3556.4	2355.8	657.6	481.3	488.3	470.5	457.9	447.6	419.1	389.6	386.3
52.5°	3853.4	2548.1	682.9	456.5	462.6	442.9	455.1	446.2	414.9	375.1	372.3
55°	4145.3	2741.7	707.2	427.5	436.4	418.1	447.1	440.6	395.7	350.8	348.4
57.5°	4441.8	2934.4	731.0	401.8	411.1	394.3	434.5	425.6	374.2	328.3	327.4
60°	4750.0	3121.5	742.3	377.0	383.5	372.3	415.3	399.9	349.8	305.4	304.0
62.5°	5038.6	3277.2	724.0	352.2	356.4	351.7	390.1	369.5	325.5	279.7	279.2
65°	5328.1	3369.8	667.9	327.9	328.8	326.5	354.5	336.7	297.0	257.2	254.4
67.5°	5590.5	3421.7	578.6	301.7	299.3	298.4	321.3	301.2	269.4	234.8	232.0
70°	5646.2	3289.8	442.0	270.8	270.8	268.5	284.8	264.3	239.0	210.9	210.0
72.5°	*5156.9*	*2767.4*	*313.8*	*235.7*	*239.5*	*234.8*	*248.4*	*231.0*	*208.1*	*189.4*	*183.8*
75°	4158.4	2029.4	228.2	199.7	206.3	198.3	210.9	198.8	179.1	178.7	160.9
77.5°	2857.2	1254.9	165.6	164.6	169.3	159.0	173.5	167.0	149.2	141.2	132.4
80°	1219.3	500.4	120.7	127.2	127.2	117.9	134.7	136.6	121.1	117.4	117.4
82.5°	242.7	142.2	84.7	87.5	82.3	79.5	95.4	105.7	145.9	162.3	162.8
85°	73.0	52.4	51.0	47.7	42.1	42.6	56.1	106.2	131.0	74.8	64.5
87.5°	20.1	13.1	13.6	10.8	8.9	11.7	19.2	80.4	44.0	18.7	15.9
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)