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: P1203471

Luminaire Tested: GWC-SB2C-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203471
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12901 lumens
Efficiency:	N/A
Efficacy:	127.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

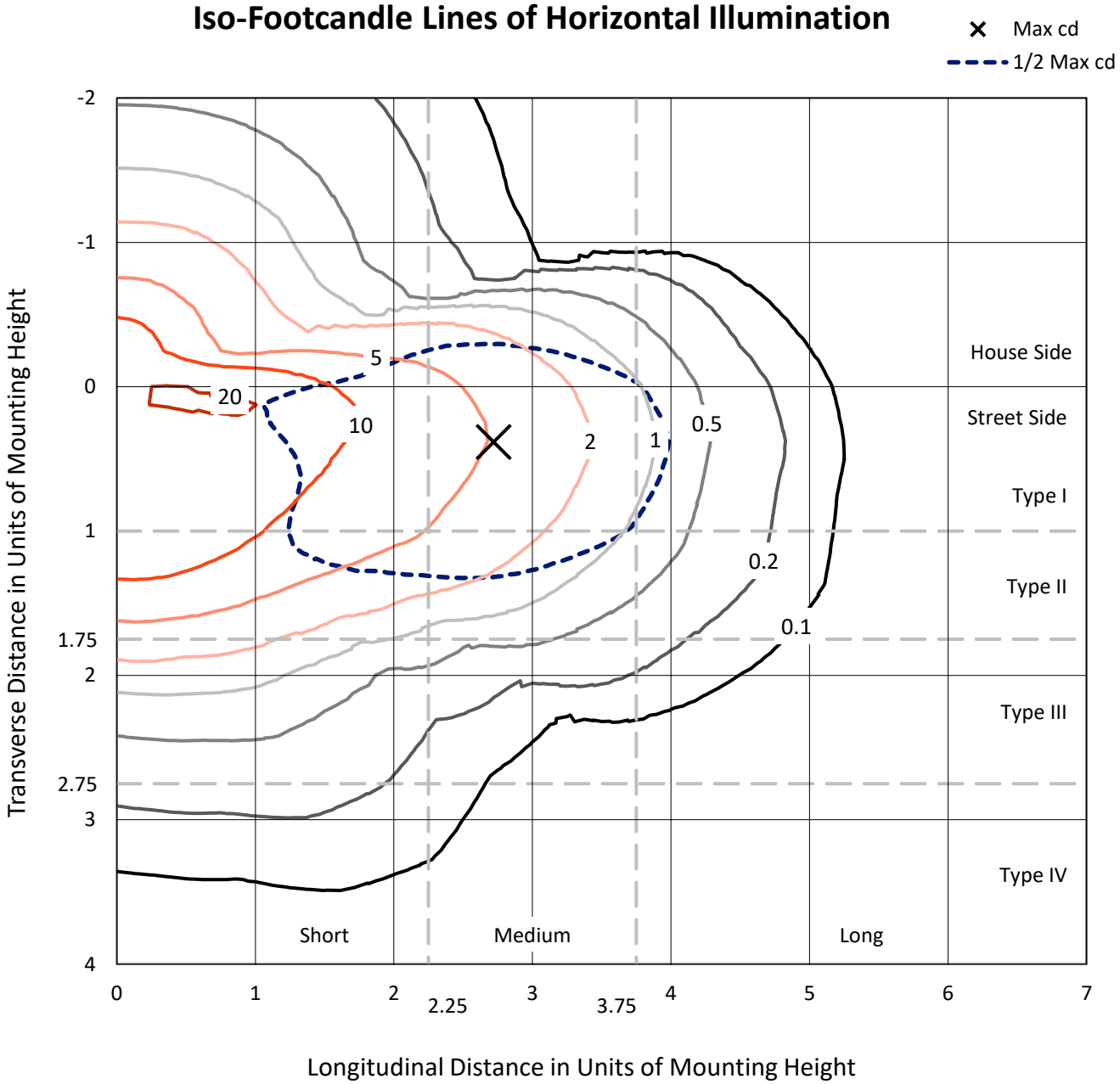


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Iso-Footcandle Lines of Horizontal Illumination



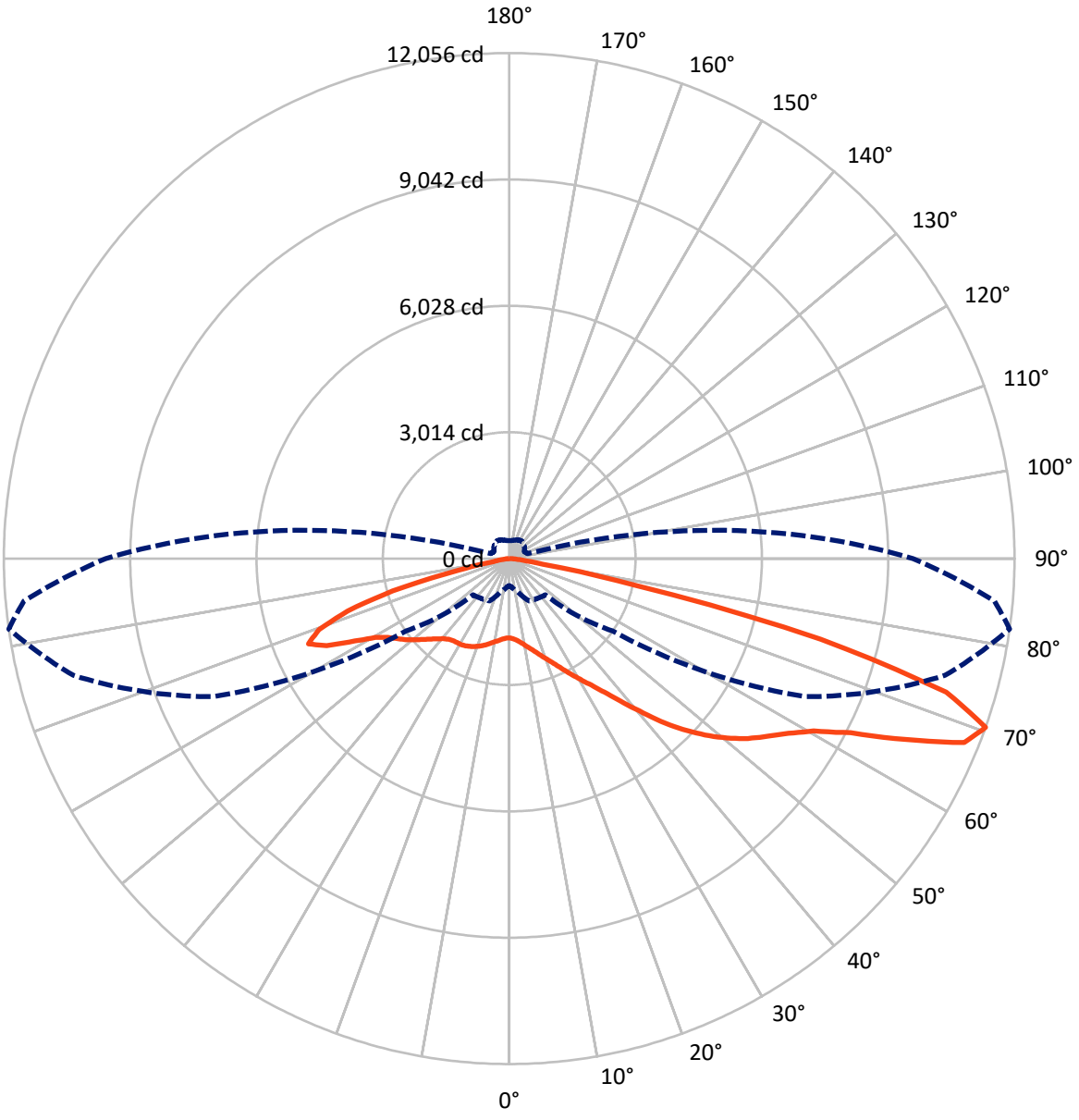
Based on 10 foot mounting height. Maximum calculated value = 21.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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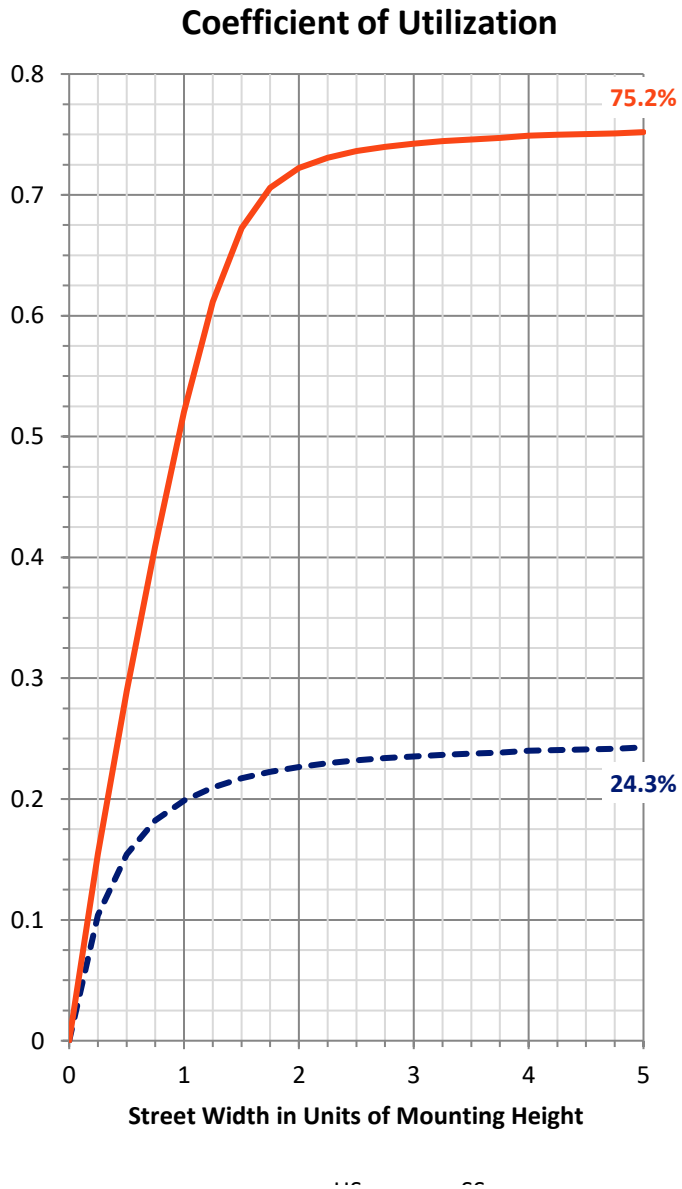
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3180.4	0.0	3180.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9720.6	0.0	9720.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	12901.0	0.0	12901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.4
10°-20°	513.1	4.0
20°-30°	858.3	6.7
30°-40°	1341.0	10.4
40°-50°	2135.6	16.6
50°-60°	2972.0	23.0
60°-70°	3108.8	24.1
70°-80°	1624.8	12.6
80°-90°	168.7	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°	12901.0	100.0
0°-180°	12901.0	100.0



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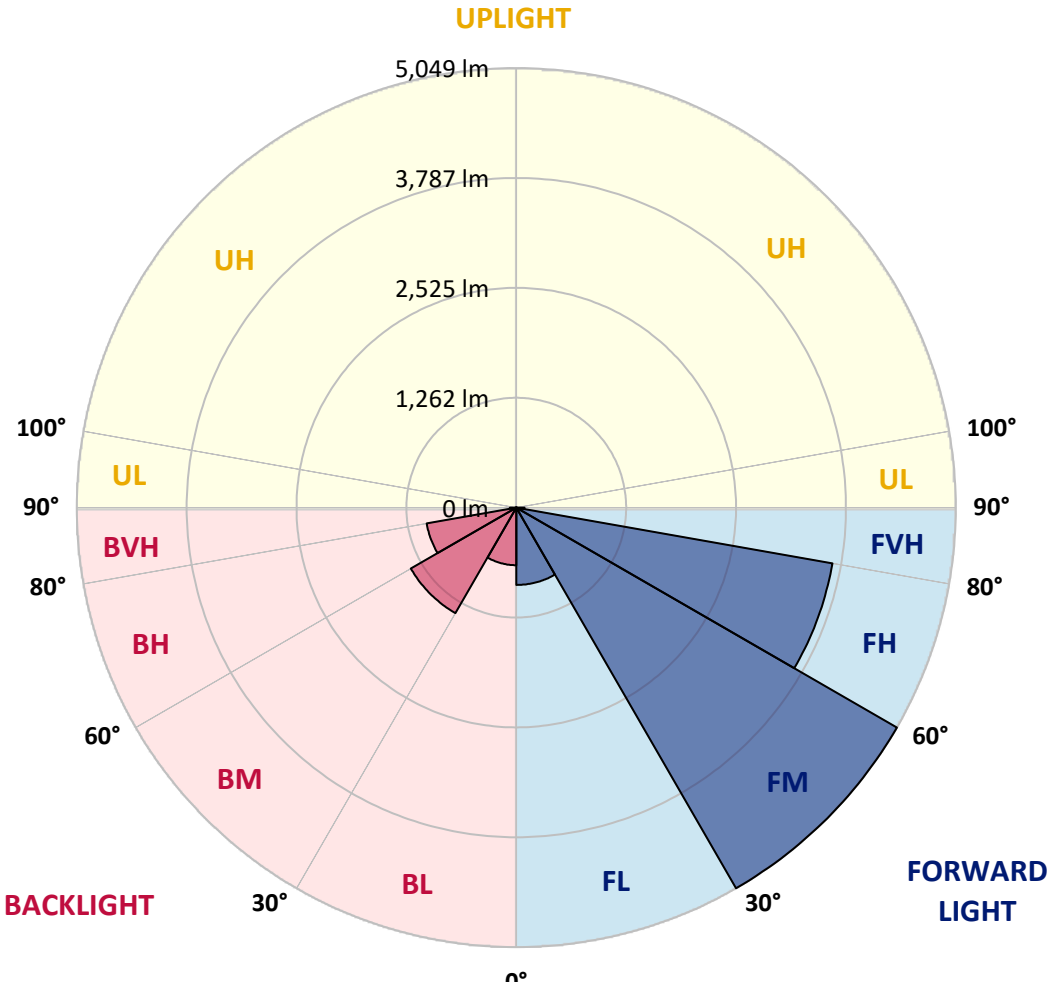
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	888.4	6.9			
FM	(30°-60°)	5049.3	39.1			
FH	(60°-80°)	3688.4	28.6			G2/5000
FVH	(80°-90°)	94.4	0.7			G1/100
BL	(0°-30°)	661.6	5.1	B2/1000		
BM	(30°-60°)	1399.3	10.8	B2/2500		
BH	(60°-80°)	1045.2	8.1	B3/2500		G3/2500
BVH	(80°-90°)	74.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	*1891.4*	1891.4
2.5°	1936.6	1947.6	1944.2	1940.7	1940.7	1935.9	1935.3	1928.4	1922.9	*1914.0*	1912.0
5°	1961.3	1972.9	1971.5	1974.3	1983.2	1985.2	1987.3	1983.2	1972.2	*1961.3*	1956.5
7.5°	1939.4	1952.4	1956.5	1972.9	2000.3	2024.9	2043.4	2051.0	2040.7	*2024.9*	2017.4
10°	1865.4	1879.8	1894.2	1933.2	1981.8	2040.0	2089.3	2118.7	2116.7	*2101.6*	2088.6
12.5°	1715.5	1730.6	1761.4	1837.4	1926.4	2029.0	2120.8	2182.4	2203.6	*2192.7*	2170.1
15°	1595.7	1608.7	1632.0	1710.0	1825.7	1981.8	2132.4	2252.2	2306.3	*2300.1*	2272.7
17.5°	1592.3	1597.8	1612.1	1649.1	1738.1	1907.9	2120.1	2320.7	2424.0	*2423.4*	2389.1
20°	1652.5	1654.6	1662.8	1670.3	1721.0	1851.7	2088.6	2377.5	2556.2	*2556.2*	2519.2
22.5°	1736.1	1734.7	1742.9	1736.1	1760.7	1847.0	2068.7	2427.5	2703.3	*2714.3*	2667.7
25°	1861.3	1854.5	1852.4	1836.7	1841.5	1891.4	2090.7	2484.3	2877.9	*2900.5*	2842.3
27.5°	2028.4	2017.4	2009.9	1973.6	1961.3	1983.2	2157.7	2552.7	3072.3	*3111.3*	3037.4
30°	2246.1	2226.2	2215.2	2152.3	2107.8	2111.2	2259.1	2643.8	3275.6	*3338.6*	3244.8
32.5°	2543.2	2512.3	2482.9	2379.5	2298.1	2271.4	2389.8	2769.7	3496.1	*3596.7*	3476.2
35°	2875.8	2851.2	2819.7	2660.2	2534.9	2473.3	2566.4	2945.7	3754.1	*3913.6*	3756.9
37.5°	3196.2	3175.0	3190.1	2975.1	2813.6	2723.9	2797.8	3181.8	4072.5	*4308.0*	4108.7
40°	3527.6	3511.1	3513.2	3307.8	3119.6	3018.9	3078.5	3478.3	4437.3	*4776.9*	4531.8
42.5°	3887.6	3875.3	3834.2	3652.1	3440.6	3346.8	3401.6	3820.5	4828.9	*5310.8*	4995.9
45°	4290.8	4283.3	4245.0	4036.2	3793.8	3688.4	3762.4	4198.4	5222.5	*5813.3*	5462.1
47.5°	4639.3	4645.4	4640.7	4464.7	4213.5	4058.8	4147.1	4592.7	5588.8	*6285.7*	5909.1
50°	4807.0	4839.2	4886.4	4831.6	4675.6	4518.1	4535.2	4973.4	5937.9	*6728.6*	6337.7
52.5°	4719.4	4780.3	4909.0	4996.6	5056.9	5024.0	4978.1	5351.2	6266.5	*7128.4*	6742.9
55°	4392.8	4478.4	4692.0	4903.5	5210.9	5449.8	5510.0	5770.2	6586.9	*7480.2*	7126.3
57.5°	3798.0	3936.9	4128.6	4556.5	5074.0	5655.9	6130.3	6351.4	6926.4	*7856.0*	7527.5
60°	2778.0	2964.2	3202.4	3839.0	4594.8	5545.6	6658.1	7244.0	7409.0	*8342.8*	8049.8
62.5°	1777.8	1892.8	2111.9	2711.6	3580.3	4980.9	6819.6	8359.9	8227.1	*9141.0*	8832.9
65°	1217.2	1291.1	1491.7	1828.5	2314.5	3707.6	6387.0	9196.4	9526.4	*10406.0*	10171.9
67.5°	884.5	940.6	1111.7	1406.8	1508.1	2194.0	4956.2	9158.1	10789.4	*11709.5*	11345.3
70°	*644.9*	*684.6*	*828.3*	*1111.7*	*1160.3*	*1220.6*	*3002.5*	*7784.9*	*10762.0*	*12055.8*	*11619.8*
72.5°	477.8	505.2	601.7	862.5	939.2	824.2	1486.2	5657.9	9247.8	*10904.4*	10554.6
75°	345.7	366.2	437.4	659.9	751.7	627.7	741.4	3306.4	6450.6	*7670.5*	7732.1
77.5°	264.2	280.0	326.5	483.3	601.7	471.0	460.0	1521.1	3058.6	*3073.7*	3246.2
80°	212.2	222.5	247.8	340.2	461.4	352.6	299.8	614.1	966.6	*818.1*	858.4
82.5°	156.1	173.2	209.5	238.9	330.0	243.0	182.8	310.1	367.6	*316.3*	319.0
85°	89.0	100.6	126.6	171.1	210.8	148.6	104.7	137.6	171.1	*140.3*	125.3
87.5°	31.5	41.1	44.5	67.1	91.7	61.6	40.4	39.7	56.1	*41.8*	34.9
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°	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4	1891.4
2.5°	1905.1	1901.7	1888.0	1869.5	1850.4	1831.9	1825.7	1812.7	1803.8	1799.0	1804.5
5°	1943.5	1932.5	1900.3	1859.3	1816.1	1769.6	1736.7	1706.6	1684.7	1664.2	1672.4
7.5°	1998.2	1979.1	1923.6	1851.7	1775.1	1697.7	1640.2	1596.4	1567.0	1547.8	1551.9
10°	2061.9	2032.5	1947.6	1840.1	1721.7	1610.8	1543.0	1505.4	1486.9	1476.6	1479.3
12.5°	2135.2	2093.4	1972.2	1813.4	1640.2	1513.6	1467.0	1456.1	1456.8	1457.4	1458.8
15°	2225.5	2167.3	1992.1	1755.2	1534.1	1439.0	1430.7	1448.5	1467.0	1475.9	1475.2
17.5°	2327.5	2245.4	1995.5	1659.4	1430.1	1391.0	1417.0	1455.4	1483.4	1495.8	1498.5
20°	2437.0	2324.8	1970.9	1523.8	1344.5	1352.0	1398.6	1447.9	1478.7	1494.4	1498.5
22.5°	2562.3	2409.7	1912.0	1381.4	1274.7	1309.6	1364.3	1412.3	1444.4	1460.2	1464.3
25°	2705.4	2504.8	1819.6	1261.6	1214.4	1261.6	1316.4	1356.1	1382.1	1396.5	1400.6
27.5°	2864.2	2604.1	1696.3	1166.5	1161.7	1212.4	1257.5	1288.3	1302.0	1313.0	1317.1
30°	3023.7	2694.4	1547.1	1094.6	1115.8	1163.8	1195.9	1209.6	1213.7	1215.8	1220.6
32.5°	3196.2	2772.5	1390.3	1035.1	1072.0	1116.5	1135.7	1141.9	1122.7	1109.7	1113.8
35°	3405.0	2856.0	1237.0	987.8	1028.9	1067.2	1073.4	1067.9	1045.3	1018.6	1020.0
37.5°	3663.1	2960.1	1114.5	954.3	988.5	1013.8	1006.3	1004.9	1007.0	975.5	977.6
40°	3979.4	3095.6	1024.8	928.3	955.7	961.1	939.9	951.5	961.8	913.9	915.3
42.5°	4330.5	3259.2	968.0	910.5	928.3	915.3	882.4	895.4	894.0	831.1	830.4
45°	4688.6	3437.2	948.1	897.5	902.9	876.9	840.6	844.1	815.3	758.5	760.5
47.5°	5044.5	3628.2	960.4	886.5	871.4	842.0	813.9	798.9	756.4	714.0	714.0
50°	5393.7	3828.8	1005.6	864.6	828.3	811.2	790.7	764.0	718.8	682.5	679.8
52.5°	5717.5	4030.7	1056.3	828.3	774.2	784.5	771.5	740.7	696.2	659.2	659.9
55°	6024.2	4232.7	1076.1	778.3	723.6	761.2	753.7	696.9	643.5	613.4	610.6
57.5°	6358.2	4475.7	1054.2	714.7	682.5	734.5	705.8	642.8	612.0	589.4	587.4
60°	6821.0	4857.0	1007.0	636.0	643.5	694.8	645.5	619.5	586.0	560.7	559.3
62.5°	7589.8	5568.2	931.0	557.9	597.6	636.0	616.8	590.8	556.5	531.9	531.9
65°	8726.1	6556.7	787.9	497.0	546.3	578.5	586.0	560.0	524.4	498.4	499.7
67.5°	9684.5	7177.0	596.3	446.3	493.6	531.9	553.1	527.8	490.1	464.8	465.5
70°	*9631.8*	*6726.5*	*455.2*	*396.4*	*447.0*	*486.0*	*513.4*	*493.6*	*453.2*	*429.2*	*431.3*
72.5°	8555.0	5627.1	368.3	345.7	399.8	438.1	471.0	455.9	414.8	391.6	391.6
75°	6285.0	3994.4	294.4	294.4	340.9	388.1	424.4	414.8	377.2	360.8	356.0
77.5°	2649.3	1675.8	230.7	244.4	283.4	333.4	378.6	382.0	349.1	369.7	335.4
80°	704.4	462.1	175.9	192.4	222.5	275.2	329.3	327.9	292.3	273.1	254.0
82.5°	268.3	182.1	125.3	135.5	160.9	210.8	260.8	269.0	233.4	201.9	201.9
85°	103.4	78.0	77.4	81.5	93.8	139.7	197.2	204.0	175.9	149.2	154.0
87.5°	26.7	23.3	28.8	27.4	43.1	74.6	113.0	117.1	107.5	62.3	89.0
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)