

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P637661

Luminaire Tested: GWS-SA4D-730-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637661  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-730-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

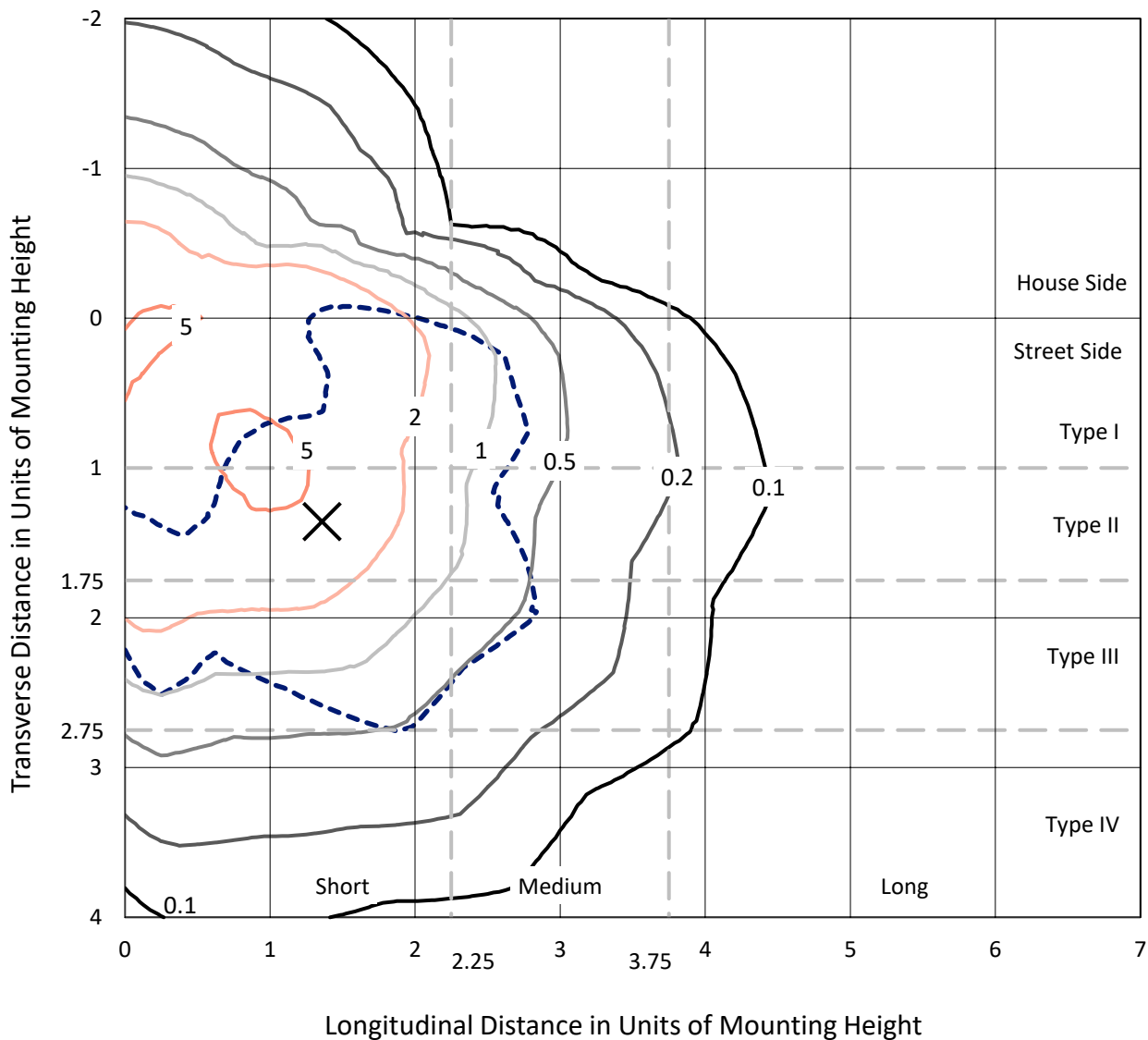
Lumens per Lamp: N/A  
Luminaire Lumens: 21114.6 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
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

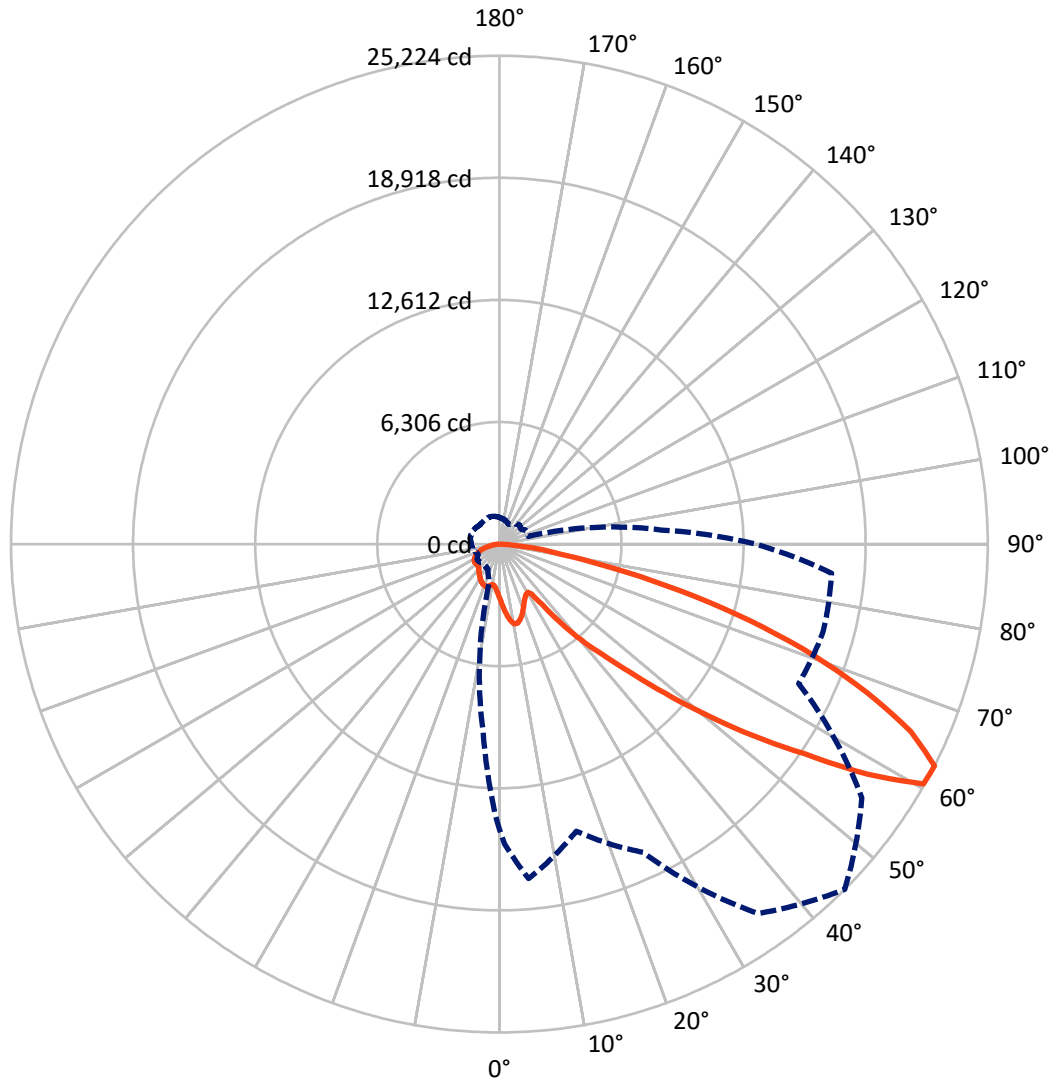
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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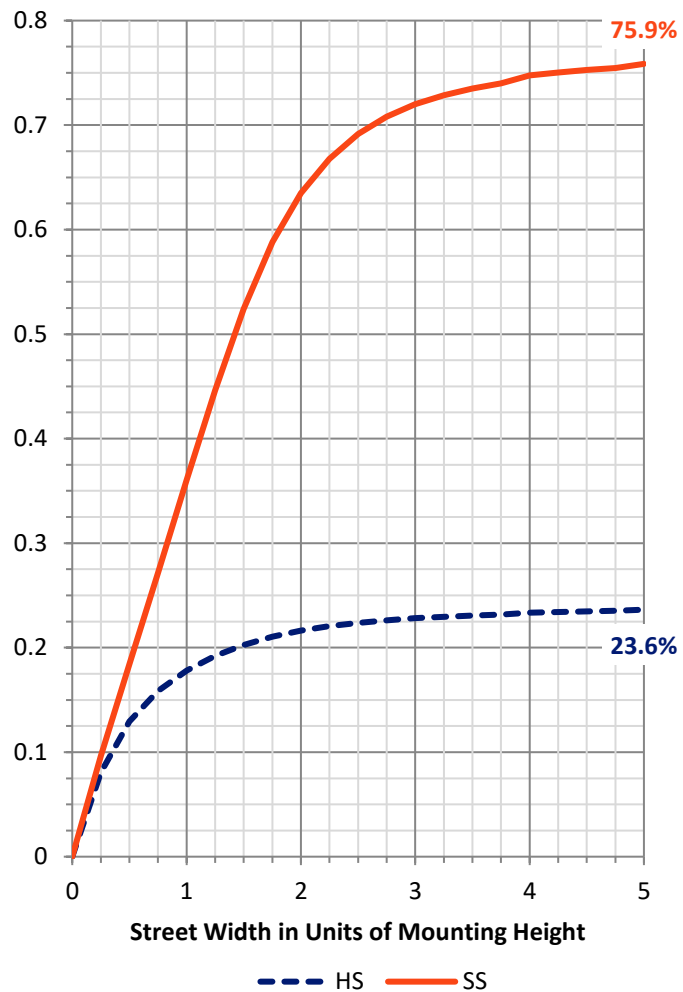
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5038.3	0.0	5038.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	16076.3	0.0	16076.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	21114.6	0.0	21114.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.7	1.3
10°-20°	858.0	4.1
20°-30°	1332.6	6.3
30°-40°	1809.3	8.6
40°-50°	2867.6	13.6
50°-60°	5058.5	24.0
60°-70°	5628.3	26.7
70°-80°	2854.5	13.5
80°-90°	432.2	2.0
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°	21114.6	100.0
0°-180°	21114.6	100.0

**Coefficient of Utilization**



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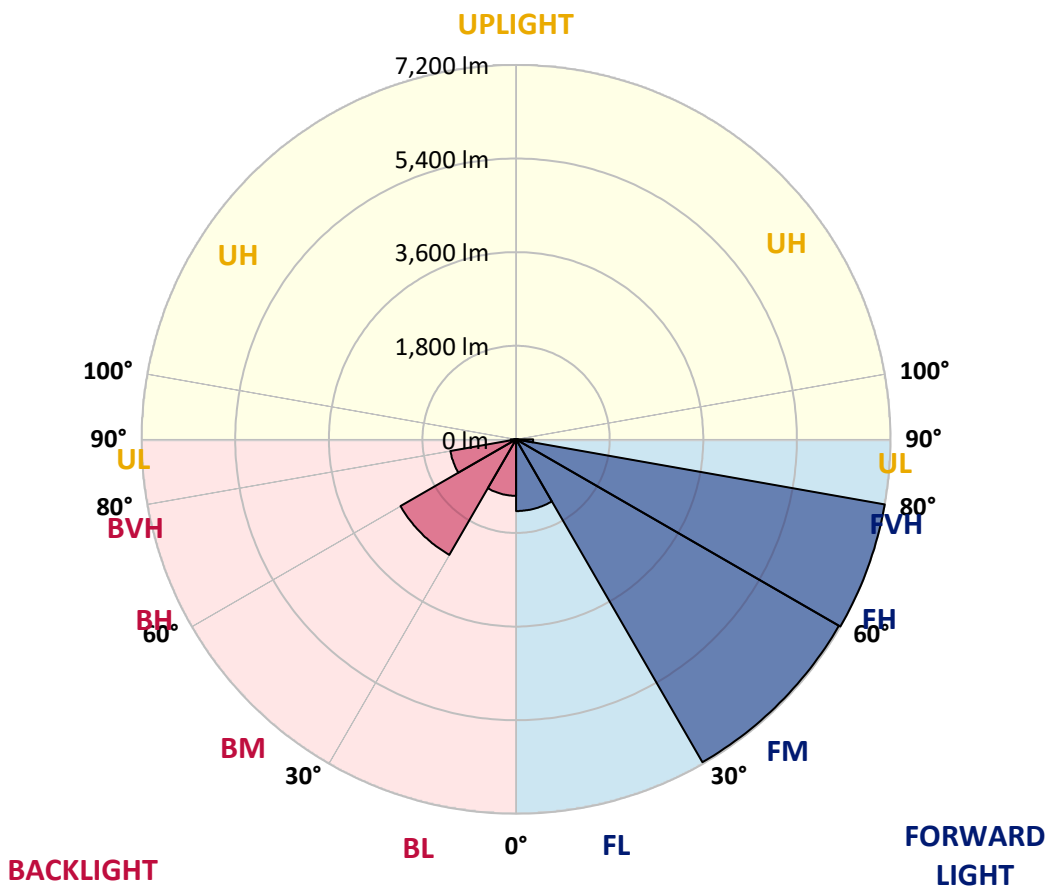
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.6	6.5			
FM (30°-60°)	7169.3	34.0			
FH (60°-80°)	7200.3	34.1			G3/7500
FVH (80°-90°)	328.1	1.6			G3/500
BL (0°-30°)	1085.6	5.1	B3/2500		
BM (30°-60°)	2566.1	12.2	B3/5000		
BH (60°-80°)	1282.5	6.1	B3/2500		G3/2500
BVH (80°-90°)	104.2	0.5			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3
2.5°	3011.8	3010.2	3040.5	3086.9	3130.1	3149.2	3181.2	3178.0	3152.4	3118.9	3107.7
5°	3248.3	3254.7	3307.5	3409.8	3523.3	3571.3	3592.0	3584.1	3537.7	3478.5	3374.6
7.5°	3462.6	3473.7	3555.3	3708.7	3849.4	3913.4	3964.5	3954.9	3887.8	3777.5	3624.0
10°	3619.2	3632.0	3729.5	3910.2	4066.8	4122.8	4188.3	4191.5	4132.4	3983.7	3827.0
12.5°	3775.9	3788.7	3879.8	4044.4	4146.8	4148.4	4186.7	4207.5	4210.7	4142.0	3985.3
15°	3938.9	3950.1	4033.3	4126.0	4121.2	4031.7	4031.7	4071.6	4159.5	4209.1	4100.4
17.5°	4078.0	4092.4	4156.3	4126.0	3983.7	3822.2	3803.1	3854.2	4007.7	4197.9	4186.7
20°	4193.1	4204.3	4239.5	4038.1	3779.1	3568.1	3531.3	3590.4	3798.3	4129.2	4252.3
22.5°	4303.4	4309.8	4290.6	3923.0	3558.5	3317.1	3272.3	3334.7	3558.5	4007.7	4308.2
25°	4434.5	4428.1	4337.0	3803.1	3357.1	3118.9	3072.5	3142.8	3376.2	3846.2	4369.0
27.5°	4586.4	4562.4	4377.0	3673.6	3202.0	2971.8	2939.8	3015.0	3232.4	3697.6	4416.9
30°	4715.9	4669.5	4383.3	3558.5	3122.1	2909.4	2890.3	2960.6	3162.0	3596.8	4477.7
32.5°	4859.7	4795.8	4420.1	3528.1	3166.8	3059.7	3085.3	3090.1	3181.2	3568.1	4568.8
35°	5066.0	4982.8	4520.8	3616.0	3627.2	3807.9	3900.6	3775.9	3470.6	3632.0	4741.4
37.5°	5377.7	5272.2	4725.4	3996.5	4578.4	4982.8	5206.6	4922.1	4349.8	3873.4	5002.0
40°	5756.5	5622.3	4987.6	4699.9	5467.2	6114.6	6512.7	6095.4	5254.6	4476.1	5368.1
42.5°	6285.7	6145.0	5496.0	5390.5	6290.5	7254.4	7774.0	7152.1	6052.3	5254.6	5954.8
45°	7208.1	7072.2	6428.0	6082.7	7254.4	8658.0	9387.0	8522.1	6862.8	6036.3	7051.4
47.5°	8912.2	8752.3	7812.3	6850.0	8354.3	10480.4	11500.3	10240.6	7705.2	6931.5	8893.0
50°	10958.4	10804.9	9550.0	7758.0	9569.2	12429.1	13847.0	12259.6	8675.6	8020.2	11094.3
52.5°	13420.2	13391.4	12029.4	8905.8	10833.7	14507.3	16451.2	14496.1	9738.6	9486.1	13588.1
55°	15639.1	15920.4	15178.7	10656.2	12467.4	17117.8	19128.8	16935.5	11180.6	11909.5	16508.7
57.5°	16834.8	17590.9	18730.7	14227.5	14843.0	20238.2	22433.1	19913.7	13658.4	15944.4	19216.7
60°	16045.1	16902.0	18967.3	16916.3	17199.3	22738.4	25160.3	22417.1	16091.5	18745.1	19063.3
62.5°	14731.1	15500.0	17336.8	15346.5	17563.8	23288.3	25224.2	22853.5	17058.6	17324.0	17220.1
65°	13172.4	13947.7	15893.2	13396.2	16404.8	21982.3	23363.5	21569.9	15320.9	15651.9	15690.2
67.5°	11102.2	11818.4	13799.1	11911.1	14953.3	20065.6	20506.8	19741.1	14109.2	14636.7	14085.2
70°	8295.1	8940.9	10689.8	9679.5	12604.9	17568.6	17212.1	17325.6	12748.8	13273.1	11765.7
72.5°	5668.6	6154.6	7654.1	7606.1	9652.3	14064.4	13567.3	14643.1	10648.2	11343.6	8969.7
75°	3964.5	4343.4	5532.7	6009.1	7296.0	10424.4	9661.9	10960.0	8315.9	9308.6	6544.7
77.5°	2433.1	2684.0	3494.5	4452.1	4693.5	7134.5	6001.1	8247.2	5839.7	6789.2	4365.8
80°	1216.5	1338.0	1697.7	2799.1	3112.5	4204.3	3313.9	4787.8	3951.7	4204.3	2415.5
82.5°	367.7	406.0	497.2	1063.1	1613.0	2420.3	1958.3	2781.6	2158.1	1971.1	951.2
85°	97.5	110.3	137.5	314.9	565.9	868.0	661.8	1347.6	1034.3	727.4	358.1
87.5°	8.0	8.0	6.4	6.4	3.2	0.0	0.0	95.9	193.4	110.3	62.3
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°	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3
2.5°	3051.7	3045.3	2979.8	2931.8	2875.9	2821.5	2765.6	2716.0	2660.1	2604.1	2588.1
5°	3297.9	3253.1	3114.1	2997.4	2882.3	2781.6	2693.6	2602.5	2529.0	2457.0	2429.9
7.5°	3515.3	3437.0	3235.6	3058.1	2898.3	2773.6	2644.1	2511.4	2407.5	2305.2	2279.6
10°	3711.9	3608.0	3353.9	3130.1	2952.6	2810.3	2658.5	2481.0	2330.8	2206.1	2172.5
12.5°	3857.4	3743.9	3456.2	3198.8	2997.4	2837.5	2687.2	2530.6	2372.3	2210.9	2174.1
15°	3972.5	3854.2	3540.9	3251.5	2999.0	2792.7	2647.3	2592.9	2543.4	2385.1	2318.0
17.5°	4065.2	3940.5	3614.4	3283.5	2955.8	2656.9	2530.6	2610.5	2736.8	2637.7	2511.4
20°	4150.0	4023.7	3670.4	3305.9	2859.9	2469.8	2399.5	2568.9	2759.2	2756.0	2642.5
22.5°	4242.7	4119.6	3751.9	3318.7	2725.6	2279.6	2321.2	2508.2	2663.3	2709.6	2639.3
25°	4361.0	4252.3	3865.4	3347.5	2573.7	2148.5	2263.6	2429.9	2559.4	2570.5	2529.0
27.5°	4498.4	4416.9	4034.9	3414.6	2426.7	2081.4	2196.5	2319.6	2437.9	2442.7	2393.1
30°	4648.7	4594.4	4191.5	3470.6	2316.4	2060.6	2110.1	2209.3	2284.4	2297.2	2254.0
32.5°	4840.5	4792.6	4330.6	3433.8	2250.8	2055.8	2030.2	2081.4	2143.7	2143.7	2110.1
35°	5104.3	5037.2	4477.7	3293.1	2170.9	2036.6	1945.5	1959.9	1987.1	1991.9	1972.7
37.5°	5478.4	5368.1	4626.3	3015.0	2039.8	1967.9	1848.0	1830.4	1840.0	1852.8	1848.0
40°	5942.0	5761.3	4843.7	2680.8	1883.1	1835.2	1747.3	1713.7	1705.7	1731.3	1740.9
42.5°	6525.5	6248.9	5077.1	2369.1	1740.9	1683.3	1629.0	1600.2	1587.4	1630.6	1656.1
45°	7457.4	7001.9	5300.9	2060.6	1660.9	1553.8	1517.1	1496.3	1502.7	1553.8	1585.8
47.5°	9067.2	8151.2	5513.6	1865.6	1654.5	1461.1	1416.4	1421.2	1438.7	1493.1	1531.5
50°	11103.8	9690.7	5655.8	1784.0	1673.7	1405.2	1346.0	1371.6	1398.8	1451.5	1496.3
52.5°	13177.2	11124.6	5486.4	1739.3	1672.1	1406.8	1280.5	1357.2	1370.0	1422.8	1470.7
55°	14603.2	11284.5	4739.8	1670.5	1646.6	1470.7	1229.3	1350.8	1358.8	1406.8	1449.9
57.5°	15146.7	10737.8	3614.4	1689.7	1569.8	1520.3	1206.9	1306.1	1363.6	1405.2	1449.9
60°	14489.7	9706.7	2196.5	1739.3	1446.7	1517.1	1221.3	1224.5	1323.6	1394.0	1438.7
62.5°	13250.8	8383.0	1542.6	1598.6	1357.2	1432.3	1254.9	1128.6	1253.3	1338.0	1378.0
65°	11831.2	6826.0	1176.6	1376.4	1314.0	1301.3	1266.1	1043.9	1157.4	1240.5	1275.7
67.5°	10352.5	5305.7	956.0	1026.3	1187.8	1176.6	1157.4	968.7	1043.9	1103.0	1143.0
70°	8490.1	3711.9	807.3	770.5	1018.3	1055.1	1011.9	874.4	898.4	959.2	991.1
72.5°	6210.5	2313.2	663.4	636.2	818.5	922.4	900.0	770.5	781.7	839.3	864.8
75°	4466.5	1323.6	532.3	524.3	625.1	789.7	744.9	663.4	676.2	719.4	737.0
77.5°	2839.1	737.0	410.8	422.0	447.6	589.9	636.2	567.5	567.5	593.1	607.5
80°	1520.3	422.0	300.5	305.3	313.3	450.8	502.0	439.6	439.6	422.0	439.6
82.5°	620.3	243.0	206.2	191.8	209.4	308.5	351.7	279.8	292.5	263.8	270.2
85°	204.6	121.5	102.3	100.7	99.1	135.9	169.5	139.1	166.3	105.5	110.3
87.5°	27.2	22.4	12.8	9.6	11.2	4.8	9.6	11.2	11.2	8.0	8.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3
2.5°	2576.9	2564.1	2517.8	2529.0	2521.0	2508.2	2521.0	2497.0	2516.2	2522.6	2562.5
5°	2409.1	2378.7	2334.0	2311.6	2306.8	2294.0	2295.6	2284.4	2287.6	2314.8	2359.5
7.5°	2258.8	2230.0	2194.9	2178.9	2164.5	2150.1	2148.5	2146.9	2159.7	2183.7	2226.8
10°	2150.1	2134.1	2119.7	2126.1	2119.7	2113.3	2102.2	2102.2	2122.9	2166.1	2218.9
12.5°	2150.1	2146.9	2150.1	2169.3	2167.7	2169.3	2154.9	2162.9	2220.4	2294.0	2369.1
15°	2265.2	2239.6	2239.6	2249.2	2246.0	2246.0	2246.0	2279.6	2410.7	2524.2	2604.1
17.5°	2405.9	2330.8	2298.8	2294.0	2292.4	2292.4	2298.8	2370.7	2575.3	2695.2	2741.6
20°	2503.4	2361.1	2308.4	2287.6	2289.2	2292.4	2311.6	2410.7	2636.1	2696.8	2685.6
22.5°	2521.0	2337.1	2273.2	2242.8	2247.6	2250.8	2279.6	2385.1	2553.0	2562.5	2540.2
25°	2439.5	2270.0	2201.3	2177.3	2183.7	2182.1	2207.7	2284.4	2404.3	2401.1	2388.3
27.5°	2318.0	2162.9	2111.7	2095.8	2106.9	2094.2	2102.2	2161.3	2254.0	2250.8	2246.0
30°	2193.3	2059.0	2012.6	2004.6	2019.0	1999.8	2001.4	2051.0	2114.9	2111.7	2110.1
32.5°	2068.6	1955.1	1913.5	1913.5	1927.9	1907.1	1910.3	1953.5	1996.6	1983.9	1983.9
35°	1950.3	1870.4	1836.8	1830.4	1841.6	1827.2	1833.6	1873.6	1889.5	1872.0	1860.8
37.5°	1846.4	1811.2	1777.6	1755.3	1756.9	1758.5	1777.6	1808.0	1798.4	1772.8	1758.5
40°	1750.5	1750.5	1718.5	1676.9	1672.1	1683.3	1715.3	1748.9	1721.7	1692.9	1675.3
42.5°	1681.7	1696.1	1665.7	1624.2	1614.6	1633.8	1668.9	1692.9	1660.9	1629.0	1605.0
45°	1617.8	1652.9	1632.2	1585.8	1573.0	1595.4	1640.2	1649.8	1606.6	1576.2	1558.6
47.5°	1573.0	1621.0	1606.6	1561.8	1542.6	1574.6	1621.0	1619.4	1565.0	1533.1	1518.7
50°	1541.0	1601.8	1600.2	1561.8	1541.0	1581.0	1622.6	1601.8	1542.6	1509.1	1494.7
52.5°	1515.5	1600.2	1611.4	1589.0	1574.6	1609.8	1635.4	1595.4	1526.7	1491.5	1480.3
55°	1504.3	1606.6	1614.6	1593.8	1581.0	1613.0	1635.4	1608.2	1526.7	1494.7	1485.1
57.5°	1507.5	1598.6	1600.2	1571.4	1549.0	1589.0	1624.2	1616.2	1544.2	1507.5	1496.3
60°	1488.3	1555.4	1558.6	1513.9	1488.3	1536.3	1598.6	1593.8	1536.3	1497.9	1477.1
62.5°	1424.3	1483.5	1485.1	1443.5	1406.8	1475.5	1544.2	1542.6	1489.9	1451.5	1427.5
65°	1317.2	1379.6	1395.6	1355.6	1326.8	1400.4	1472.3	1469.1	1416.4	1381.2	1357.2
67.5°	1184.6	1251.7	1282.1	1254.9	1243.7	1310.8	1378.0	1376.4	1333.2	1299.7	1278.9
70°	1023.1	1079.1	1130.2	1130.2	1122.2	1198.9	1270.9	1264.5	1224.5	1198.9	1183.0
72.5°	888.8	932.0	948.0	964.0	987.9	1067.9	1128.6	1133.4	1104.6	1091.8	1104.6
75°	756.1	783.3	797.7	784.9	826.5	909.6	989.5	997.5	967.2	946.4	951.2
77.5°	621.9	652.2	666.6	637.8	634.6	740.1	837.7	855.2	829.7	797.7	807.3
80°	449.2	489.2	513.1	494.0	487.6	533.9	668.2	687.4	663.4	637.8	652.2
82.5°	275.0	297.3	303.7	322.9	362.9	382.1	430.0	494.0	476.4	454.0	494.0
85°	108.7	129.5	143.9	163.1	190.2	225.4	265.4	316.5	287.7	278.2	327.7
87.5°	6.4	1.6	0.0	3.2	27.2	52.8	113.5	156.7	131.1	140.7	169.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3
2.5°	2594.5	2636.1	2692.0	2738.4	2797.5	2853.5	2911.0	2968.6	2999.0	3011.8
5°	2410.7	2487.4	2576.9	2676.0	2791.1	2912.6	3035.7	3162.0	3242.0	3248.3
7.5°	2300.4	2410.7	2533.8	2658.5	2800.7	2968.6	3163.6	3358.6	3440.2	3462.6
10°	2335.5	2458.6	2556.2	2672.9	2829.5	3038.9	3269.1	3497.7	3592.0	3619.2
12.5°	2476.2	2500.2	2530.6	2637.7	2829.5	3099.7	3377.8	3649.6	3750.3	3775.9
15°	2592.9	2477.8	2423.5	2537.0	2791.1	3152.4	3492.9	3793.5	3915.0	3938.9
17.5°	2602.5	2404.3	2286.0	2388.3	2724.0	3189.2	3603.2	3953.3	4055.6	4078.0
20°	2505.0	2326.0	2172.5	2234.8	2632.9	3205.2	3683.2	4070.0	4170.7	4193.1
22.5°	2394.7	2262.0	2095.8	2092.6	2522.6	3222.8	3779.1	4180.3	4289.0	4303.4
25°	2290.8	2174.1	2033.4	1988.7	2394.7	3256.3	3908.6	4346.6	4429.7	4434.5
27.5°	2169.3	2079.8	1983.9	1940.7	2282.8	3320.3	4100.4	4544.8	4594.4	4586.4
30°	2059.0	1991.9	1948.7	1935.9	2212.5	3368.2	4282.6	4739.8	4743.0	4715.9
32.5°	1942.3	1916.7	1916.7	1958.3	2154.9	3357.1	4431.3	4930.1	4899.7	4859.7
35°	1838.4	1843.2	1876.8	1974.3	2059.0	3245.1	4573.6	5168.3	5123.5	5066.0
37.5°	1739.3	1776.0	1824.0	1918.3	1932.7	3078.9	4739.8	5505.6	5449.6	5377.7
40°	1654.5	1710.5	1766.4	1812.8	1798.4	2842.3	4971.6	5902.0	5839.7	5756.5
42.5°	1587.4	1641.8	1704.1	1708.9	1713.7	2596.1	5217.8	6388.0	6376.8	6285.7
45°	1544.2	1579.4	1638.6	1630.6	1708.9	2324.4	5444.8	7129.7	7276.8	7208.1
47.5°	1515.5	1542.6	1549.0	1582.6	1750.5	2081.4	5737.4	8581.3	8990.5	8912.2
50°	1499.5	1526.7	1454.7	1585.8	1756.9	1924.7	6141.8	10403.7	11062.3	10958.4
52.5°	1497.9	1491.5	1382.8	1619.4	1721.7	1828.8	6352.8	11733.7	13194.8	13420.2
55°	1501.1	1421.2	1346.0	1629.0	1651.3	1793.6	5646.2	12373.1	15162.7	15639.1
57.5°	1472.3	1344.4	1366.8	1590.6	1518.7	1887.9	4173.9	12144.5	15949.2	16834.8
60°	1418.0	1270.9	1405.2	1486.7	1382.8	1726.5	2874.3	11124.6	15133.9	16045.1
62.5°	1339.6	1219.7	1400.4	1352.4	1333.2	1413.2	1975.9	9697.1	13840.6	14731.1
65°	1251.7	1178.2	1325.2	1222.9	1234.1	1087.0	1397.2	8085.7	12296.4	13172.4
67.5°	1157.4	1152.6	1214.9	1088.6	1042.3	861.6	1018.3	6480.7	10312.5	11102.2
70°	1050.3	1085.4	1104.6	967.2	845.7	676.2	756.1	4532.0	7607.7	8295.1
72.5°	943.2	946.4	973.5	840.9	633.0	541.9	567.5	2744.8	5168.3	5668.6
75°	834.5	804.1	829.7	684.2	471.6	444.4	438.0	1696.1	3569.7	3964.5
77.5°	717.8	684.2	650.6	514.7	378.9	343.7	335.7	951.2	2190.1	2433.1
80°	583.5	538.7	486.0	377.3	276.6	246.2	244.6	463.6	1091.8	1216.5
82.5°	454.0	369.3	354.9	235.0	171.0	150.3	159.9	177.4	329.3	367.7
85°	318.1	268.6	188.6	94.3	76.7	62.3	60.7	52.8	87.9	97.5
87.5°	177.4	116.7	60.7	11.2	12.8	14.4	11.2	8.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)