

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: P636396

Luminaire Tested: GWS-SA3F-760-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636396  
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-SA3F-760-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

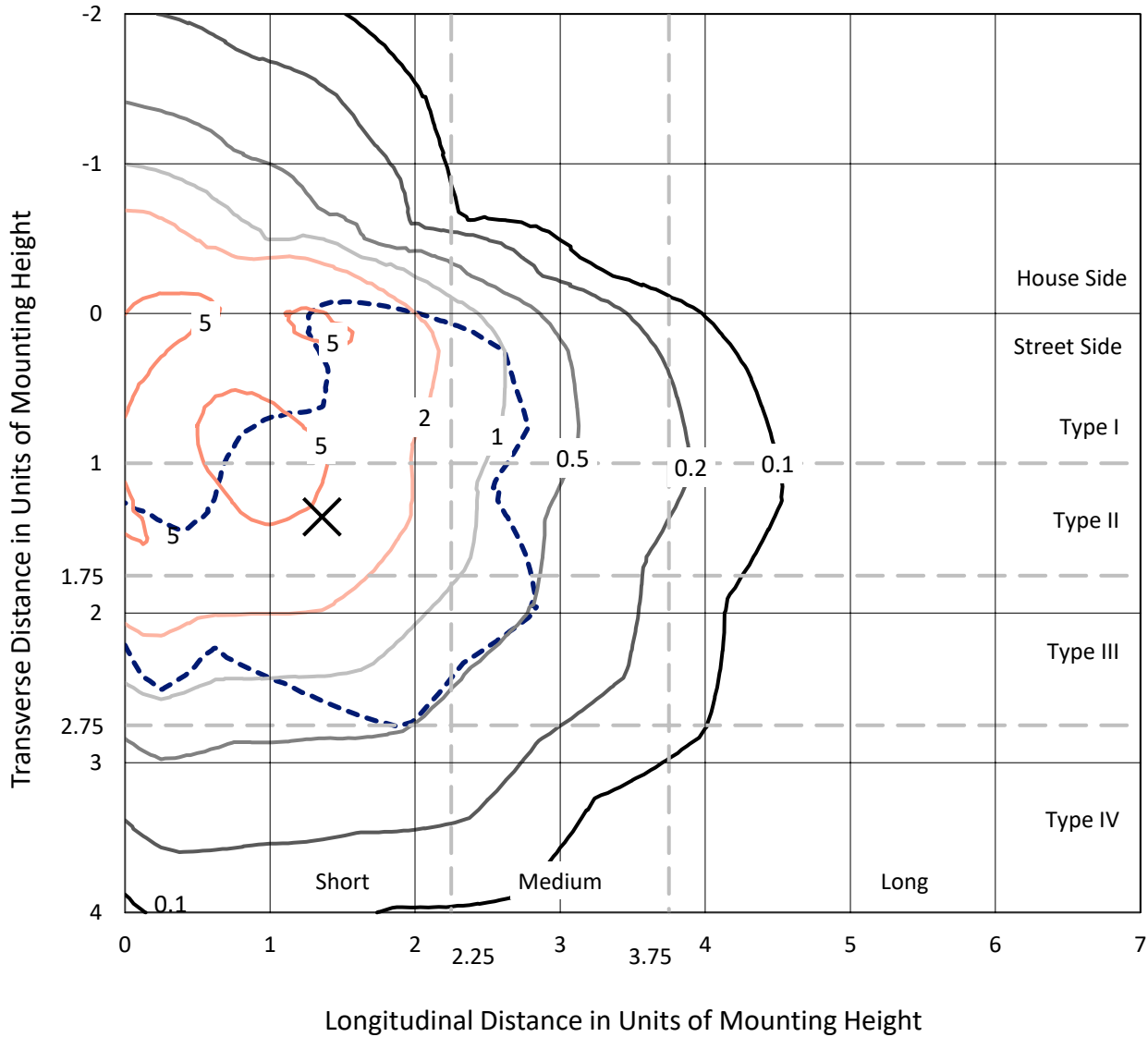
Lumens per Lamp: N/A  
Luminaire Lumens: 23356.9 lumens  
Efficiency: N/A  
Efficacy: 127.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

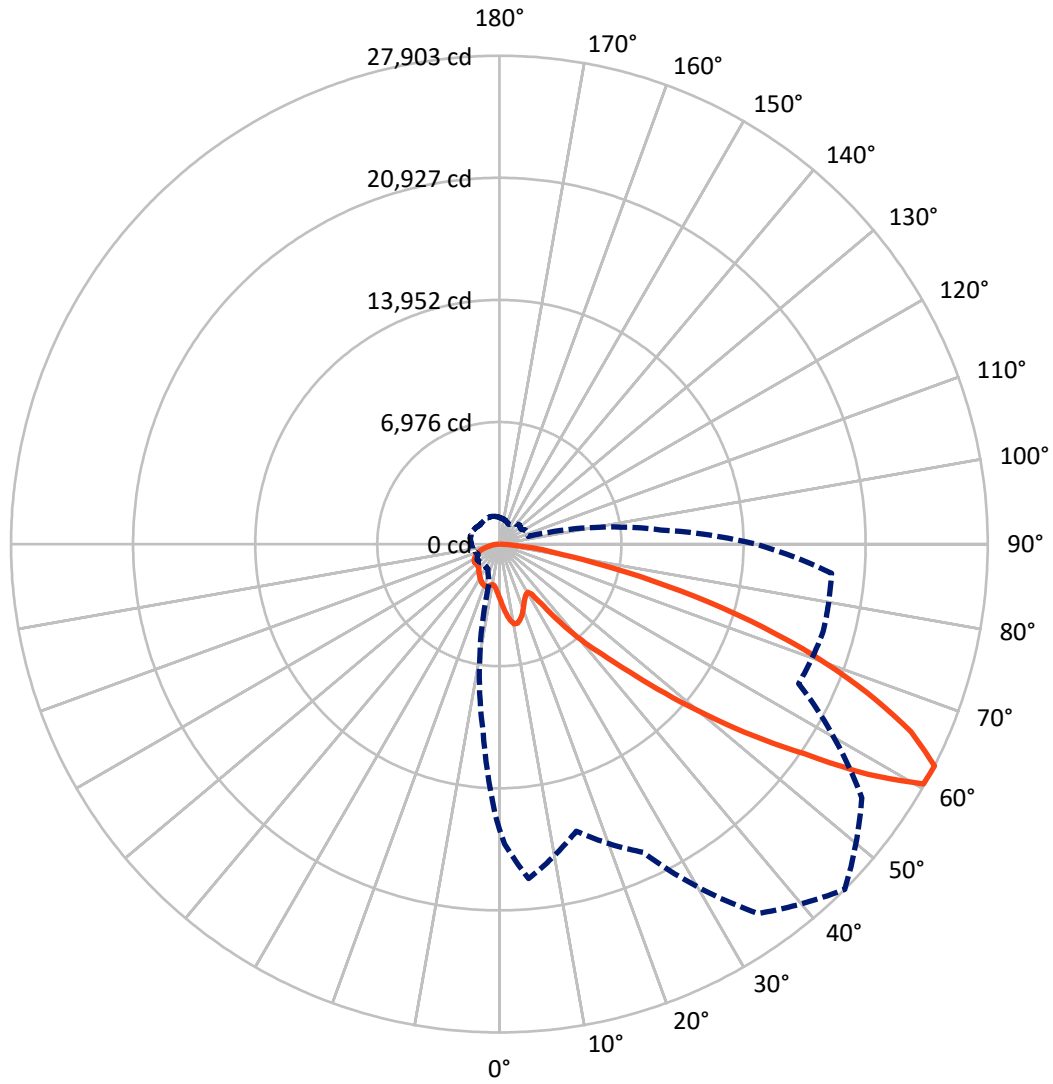
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	5573.4	0.0	5573.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	17783.5	0.0	17783.5
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	23356.9	0.0	23356.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.8	1.3
10°-20°	949.1	4.1
20°-30°	1474.1	6.3
30°-40°	2001.5	8.6
40°-50°	3172.1	13.6
50°-60°	5595.6	24.0
60°-70°	6226.0	26.7
70°-80°	3157.6	13.5
80°-90°	478.1	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°	23356.9	100.0
0°-180°	23356.9	100.0

**Coefficient of Utilization**



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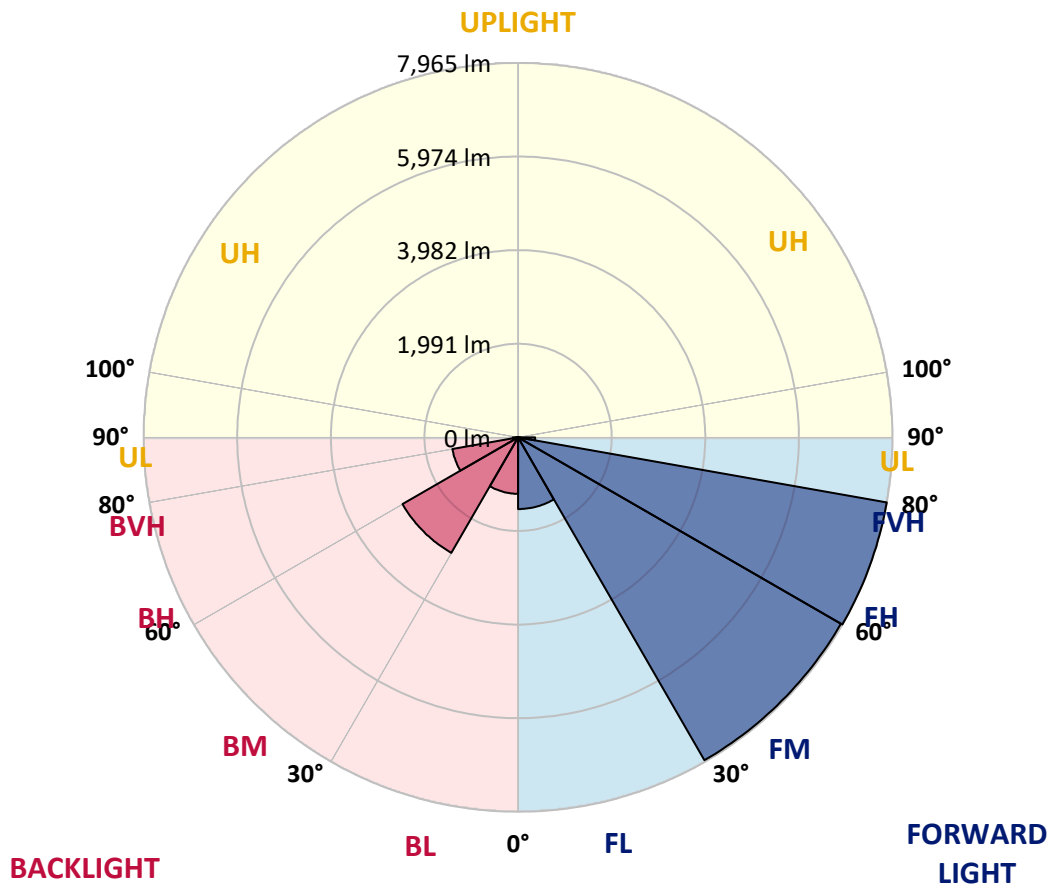
CATALOG NUMBER: GWS-SA3F-760-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1525.0	6.5			
FM (30°-60°)	7930.7	34.0			
FH (60°-80°)	7964.9	34.1			G4/12000
FVH (80°-90°)	362.9	1.6			G3/500
BL (0°-30°)	1200.9	5.1	B3/2500		
BM (30°-60°)	2838.6	12.2	B3/5000		
BH (60°-80°)	1418.7	6.1	B3/2500		G3/2500
BVH (80°-90°)	115.2	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9
2.5°	3331.6	3329.8	3363.4	3414.7	3462.5	3483.7	3519.0	3515.5	3487.2	3450.1	3437.7
5°	3593.3	3600.4	3658.7	3771.9	3897.5	3950.5	3973.5	3964.7	3913.4	3848.0	3733.0
7.5°	3830.3	3842.6	3932.8	4102.6	4258.2	4328.9	4385.5	4374.9	4300.7	4178.6	4008.9
10°	4003.6	4017.7	4125.6	4325.4	4498.7	4560.6	4633.1	4636.6	4571.2	4406.8	4233.5
12.5°	4176.9	4191.0	4291.8	4474.0	4587.1	4588.9	4631.3	4654.3	4657.9	4581.8	4408.5
15°	4357.2	4369.6	4461.6	4564.1	4558.8	4459.8	4459.8	4504.0	4601.3	4656.1	4535.8
17.5°	4511.1	4527.0	4597.7	4564.1	4406.8	4228.2	4206.9	4263.5	4433.3	4643.7	4631.3
20°	4638.4	4650.8	4689.7	4466.9	4180.4	3947.0	3906.3	3971.7	4201.6	4567.7	4703.8
22.5°	4760.4	4767.5	4746.3	4339.6	3936.4	3669.3	3619.8	3688.8	3936.4	4433.3	4765.7
25°	4905.4	4898.4	4797.6	4206.9	3713.6	3450.1	3398.8	3476.6	3734.8	4254.7	4832.9
27.5°	5073.4	5046.9	4841.8	4063.7	3542.0	3287.4	3252.0	3335.1	3575.6	4090.2	4886.0
30°	5216.7	5165.4	4848.8	3936.4	3453.6	3218.4	3197.2	3275.0	3497.8	3978.8	4953.2
32.5°	5375.8	5305.1	4889.5	3902.8	3503.1	3384.6	3412.9	3418.2	3519.0	3947.0	5054.0
35°	5603.9	5512.0	5000.9	4000.0	4012.4	4212.2	4314.8	4176.9	3839.1	4017.7	5245.0
37.5°	5948.8	5832.1	5227.3	4420.9	5064.6	5512.0	5759.6	5444.8	4811.7	4284.7	5533.2
40°	6367.9	6219.3	5517.3	5199.0	6047.8	6764.0	7204.3	6742.8	5812.6	4951.4	5938.2
42.5°	6953.2	6797.6	6079.6	5962.9	6958.5	8024.8	8599.5	7911.6	6695.0	5812.6	6587.1
45°	7973.5	7823.2	7110.6	6728.6	8024.8	9577.4	10383.8	9427.1	7591.6	6677.3	7800.2
47.5°	9858.6	9681.8	8642.0	7577.4	9241.5	11593.4	12721.6	11328.1	8523.5	7667.6	9837.4
50°	12122.1	11952.4	10564.2	8581.9	10585.4	13749.0	15317.5	13561.6	9596.9	8871.9	12272.4
52.5°	14845.4	14813.6	13306.9	9851.5	11984.2	16047.9	18198.2	16035.5	10772.9	10493.5	15031.1
55°	17299.9	17611.1	16790.6	11787.9	13791.5	18935.6	21160.2	18734.0	12367.9	13174.3	18261.9
57.5°	18622.6	19459.0	20719.9	15738.4	16419.2	22387.5	24815.4	22028.5	15108.9	17637.6	21257.5
60°	17749.0	18696.9	20981.6	18712.8	19025.8	25153.2	27832.2	24797.7	17800.3	20735.8	21087.7
62.5°	16295.5	17146.0	19177.9	16976.3	19429.0	25761.5	27903.0	25280.5	18870.2	19163.7	19048.8
65°	14571.3	15429.0	17581.0	14818.9	18146.9	24316.7	25844.6	23860.5	16948.0	17314.0	17356.5
67.5°	12281.3	13073.5	15264.5	13176.1	16541.3	22196.5	22684.5	21837.5	15607.6	16191.1	15581.0
70°	9176.0	9890.4	11825.0	10707.4	13943.5	19434.3	19039.9	19165.5	14102.7	14682.7	13015.1
72.5°	6270.6	6808.2	8466.9	8413.9	10677.4	15558.0	15008.1	16198.2	11779.1	12548.3	9922.3
75°	4385.5	4804.6	6120.3	6647.3	8070.8	11531.5	10688.0	12123.9	9199.0	10297.2	7239.7
77.5°	2691.4	2969.1	3865.6	4924.9	5191.9	7892.2	6638.4	9123.0	6459.8	7510.2	4829.4
80°	1345.7	1480.1	1878.0	3096.4	3443.0	4650.8	3665.8	5296.2	4371.4	4650.8	2672.0
82.5°	406.7	449.2	550.0	1176.0	1784.3	2677.3	2166.2	3076.9	2387.3	2180.4	1052.2
85°	107.9	122.0	152.1	348.4	626.0	960.2	732.1	1490.7	1144.1	804.6	396.1
87.5°	8.8	8.8	7.1	7.1	3.5	0.0	0.0	106.1	214.0	122.0	69.0
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°	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9
2.5°	3375.8	3368.7	3296.2	3243.2	3181.3	3121.2	3059.3	3004.4	2942.6	2880.7	2863.0
5°	3648.1	3598.6	3444.8	3315.7	3188.4	3076.9	2979.7	2878.9	2797.5	2718.0	2687.9
7.5°	3888.6	3802.0	3579.2	3382.9	3206.0	3068.1	2924.9	2778.1	2663.2	2550.0	2521.7
10°	4106.1	3991.2	3710.0	3462.5	3266.2	3108.8	2940.8	2744.5	2578.3	2440.3	2403.2
12.5°	4267.1	4141.5	3823.2	3538.5	3315.7	3138.8	2972.6	2799.3	2624.2	2445.6	2405.0
15°	4394.4	4263.5	3916.9	3596.8	3317.4	3089.3	2928.4	2868.3	2813.5	2638.4	2564.1
17.5°	4496.9	4359.0	3998.3	3632.2	3269.7	2939.0	2799.3	2887.7	3027.4	2917.8	2778.1
20°	4590.7	4451.0	4060.2	3657.0	3163.6	2732.1	2654.3	2841.8	3052.2	3048.7	2923.1
22.5°	4693.2	4557.1	4150.3	3671.1	3015.1	2521.7	2567.7	2774.6	2946.1	2997.4	2919.6
25°	4824.1	4703.8	4275.9	3702.9	2847.1	2376.7	2504.0	2687.9	2831.1	2843.5	2797.5
27.5°	4976.2	4886.0	4463.3	3777.2	2684.4	2302.4	2429.7	2565.9	2696.8	2702.1	2647.2
30°	5142.4	5082.3	4636.6	3839.1	2562.4	2279.4	2334.2	2443.9	2527.0	2541.1	2493.4
32.5°	5354.6	5301.5	4790.5	3798.4	2489.9	2274.1	2245.8	2302.4	2371.4	2371.4	2334.2
35°	5646.4	5572.1	4953.2	3642.8	2401.4	2252.9	2152.1	2168.0	2198.1	2203.4	2182.2
37.5°	6060.2	5938.2	5117.6	3335.1	2256.4	2176.9	2044.2	2024.8	2035.4	2049.5	2044.2
40°	6573.0	6373.2	5358.1	2965.5	2083.1	2030.1	1932.8	1895.7	1886.8	1915.1	1925.7
42.5°	7218.5	6912.5	5616.3	2620.7	1925.7	1862.1	1802.0	1770.1	1756.0	1803.7	1832.0
45°	8249.4	7745.4	5863.9	2279.4	1837.3	1718.8	1678.2	1655.2	1662.3	1718.8	1754.2
47.5°	10030.1	9016.9	6099.1	2063.7	1830.3	1616.3	1566.8	1572.1	1591.5	1651.6	1694.1
50°	12283.0	10719.8	6256.5	1973.5	1851.5	1554.4	1489.0	1517.3	1547.3	1605.7	1655.2
52.5°	14576.6	12306.0	6069.0	1924.0	1849.7	1556.2	1416.5	1501.3	1515.5	1573.8	1626.9
55°	16154.0	12482.9	5243.2	1847.9	1821.4	1626.9	1359.9	1494.3	1503.1	1556.2	1603.9
57.5°	16755.2	11878.1	3998.3	1869.2	1736.5	1681.7	1335.1	1444.8	1508.4	1554.4	1603.9
60°	16028.4	10737.5	2429.7	1924.0	1600.4	1678.2	1351.0	1354.6	1464.2	1542.0	1591.5
62.5°	14657.9	9273.3	1706.5	1768.4	1501.3	1584.5	1388.2	1248.5	1386.4	1480.1	1524.3
65°	13087.6	7550.9	1301.5	1522.6	1453.6	1439.4	1400.5	1154.7	1280.3	1372.2	1411.2
67.5°	11451.9	5869.2	1057.5	1135.3	1313.9	1301.5	1280.3	1071.6	1154.7	1220.2	1264.4
70°	9391.8	4106.1	893.0	852.4	1126.4	1167.1	1119.4	967.3	993.8	1061.0	1096.4
72.5°	6870.1	2558.8	733.9	703.8	905.4	1020.3	995.6	852.4	864.7	928.4	956.7
75°	4940.8	1464.2	588.9	580.0	691.4	873.6	824.1	733.9	748.0	795.8	815.2
77.5°	3140.6	815.2	454.5	466.8	495.1	652.5	703.8	627.8	627.8	656.1	672.0
80°	1681.7	466.8	332.5	337.8	346.6	498.7	555.3	486.3	486.3	466.8	486.3
82.5°	686.1	268.8	228.1	212.2	231.7	341.3	389.0	309.5	323.6	291.8	298.9
85°	226.4	134.4	113.2	111.4	109.6	150.3	187.4	153.8	183.9	116.7	122.0
87.5°	30.1	24.8	14.1	10.6	12.4	5.3	10.6	12.4	12.4	8.8	8.8
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°	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9
2.5°	2850.6	2836.5	2785.2	2797.5	2788.7	2774.6	2788.7	2762.2	2783.4	2790.5	2834.7
5°	2664.9	2631.3	2581.8	2557.1	2551.7	2537.6	2539.4	2527.0	2530.5	2560.6	2610.1
7.5°	2498.7	2466.9	2428.0	2410.3	2394.4	2378.4	2376.7	2374.9	2389.1	2415.6	2463.3
10°	2378.4	2360.8	2344.8	2351.9	2344.8	2337.8	2325.4	2325.4	2348.4	2396.1	2454.5
12.5°	2378.4	2374.9	2378.4	2399.7	2397.9	2399.7	2383.8	2392.6	2456.3	2537.6	2620.7
15°	2505.8	2477.5	2477.5	2488.1	2484.5	2484.5	2484.5	2521.7	2666.7	2792.2	2880.7
17.5°	2661.4	2578.3	2542.9	2537.6	2535.8	2535.8	2542.9	2622.5	2848.8	2981.5	3032.7
20°	2769.3	2611.9	2553.5	2530.5	2532.3	2535.8	2557.1	2666.7	2916.0	2983.2	2970.8
22.5°	2788.7	2585.3	2514.6	2481.0	2486.3	2489.9	2521.7	2638.4	2824.1	2834.7	2809.9
25°	2698.5	2511.1	2435.0	2408.5	2415.6	2413.8	2442.1	2527.0	2659.6	2656.1	2641.9
27.5°	2564.1	2392.6	2336.0	2318.3	2330.7	2316.6	2325.4	2390.8	2493.4	2489.9	2484.5
30°	2426.2	2277.6	2226.4	2217.5	2233.4	2212.2	2214.0	2268.8	2339.5	2336.0	2334.2
32.5°	2288.3	2162.7	2116.7	2116.7	2132.6	2109.7	2113.2	2160.9	2208.7	2194.5	2194.5
35°	2157.4	2069.0	2031.8	2024.8	2037.2	2021.2	2028.3	2072.5	2090.2	2070.8	2058.4
37.5°	2042.5	2003.6	1966.4	1941.7	1943.4	1945.2	1966.4	2000.0	1989.4	1961.1	1945.2
40°	1936.4	1936.4	1901.0	1855.0	1849.7	1862.1	1897.5	1934.6	1904.5	1872.7	1853.2
42.5°	1860.3	1876.2	1842.6	1796.7	1786.0	1807.3	1846.2	1872.7	1837.3	1802.0	1775.4
45°	1789.6	1828.5	1805.5	1754.2	1740.1	1764.8	1814.3	1824.9	1777.2	1743.6	1724.2
47.5°	1740.1	1793.1	1777.2	1727.7	1706.5	1741.8	1793.1	1791.4	1731.2	1695.9	1679.9
50°	1704.7	1771.9	1770.1	1727.7	1704.7	1748.9	1794.9	1771.9	1706.5	1669.3	1653.4
52.5°	1676.4	1770.1	1782.5	1757.8	1741.8	1780.7	1809.0	1764.8	1688.8	1649.9	1637.5
55°	1664.0	1777.2	1786.0	1763.1	1748.9	1784.3	1809.0	1779.0	1688.8	1653.4	1642.8
57.5°	1667.6	1768.4	1770.1	1738.3	1713.5	1757.8	1796.7	1787.8	1708.2	1667.6	1655.2
60°	1646.3	1720.6	1724.2	1674.6	1646.3	1699.4	1768.4	1763.1	1699.4	1657.0	1634.0
62.5°	1575.6	1641.0	1642.8	1596.8	1556.2	1632.2	1708.2	1706.5	1648.1	1605.7	1579.1
65°	1457.1	1526.1	1543.8	1499.6	1467.7	1549.1	1628.7	1625.1	1566.8	1527.9	1501.3
67.5°	1310.4	1384.6	1418.2	1388.2	1375.8	1450.1	1524.3	1522.6	1474.8	1437.7	1414.7
70°	1131.8	1193.6	1250.2	1250.2	1241.4	1326.3	1405.8	1398.8	1354.6	1326.3	1308.6
72.5°	983.2	1031.0	1048.6	1066.3	1092.8	1181.3	1248.5	1253.8	1221.9	1207.8	1221.9
75°	836.4	866.5	882.4	868.3	914.2	1006.2	1094.6	1103.5	1069.9	1046.9	1052.2
77.5°	687.9	721.5	737.4	705.6	702.0	818.8	926.6	946.1	917.8	882.4	893.0
80°	496.9	541.1	567.6	546.4	539.4	590.6	739.2	760.4	733.9	705.6	721.5
82.5°	304.2	328.9	336.0	357.2	401.4	422.6	475.7	546.4	527.0	502.2	546.4
85°	120.2	143.2	159.2	180.4	210.4	249.3	293.5	350.1	318.3	307.7	362.5
87.5°	7.1	1.8	0.0	3.5	30.1	58.4	125.6	173.3	145.0	155.6	187.4
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°	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9	3099.9
2.5°	2870.1	2916.0	2977.9	3029.2	3094.6	3156.5	3220.2	3283.8	3317.4	3331.6
5°	2666.7	2751.6	2850.6	2960.2	3087.6	3222.0	3358.1	3497.8	3586.2	3593.3
7.5°	2544.7	2666.7	2802.9	2940.8	3098.2	3283.8	3499.6	3715.3	3805.5	3830.3
10°	2583.6	2719.7	2827.6	2956.7	3130.0	3361.7	3616.3	3869.2	3973.5	4003.6
12.5°	2739.2	2765.7	2799.3	2917.8	3130.0	3428.9	3736.5	4037.2	4148.6	4176.9
15°	2868.3	2741.0	2680.8	2806.4	3087.6	3487.2	3863.9	4196.3	4330.7	4357.2
17.5°	2878.9	2659.6	2528.8	2641.9	3013.3	3527.9	3985.9	4373.2	4486.3	4511.1
20°	2771.0	2573.0	2403.2	2472.2	2912.5	3545.6	4074.3	4502.2	4613.7	4638.4
22.5°	2649.0	2502.2	2318.3	2314.8	2790.5	3565.0	4180.4	4624.3	4744.5	4760.4
25°	2534.1	2405.0	2249.4	2199.8	2649.0	3602.2	4323.6	4808.2	4900.1	4905.4
27.5°	2399.7	2300.6	2194.5	2146.8	2525.2	3672.9	4535.8	5027.5	5082.3	5073.4
30°	2277.6	2203.4	2155.6	2141.5	2447.4	3725.9	4737.4	5243.2	5246.7	5216.7
32.5°	2148.6	2120.3	2120.3	2166.2	2383.8	3713.6	4901.9	5453.6	5420.0	5375.8
35°	2033.6	2038.9	2076.1	2183.9	2277.6	3589.8	5059.3	5717.1	5667.6	5603.9
37.5°	1924.0	1964.6	2017.7	2122.0	2137.9	3405.9	5243.2	6090.2	6028.3	5948.8
40°	1830.3	1892.1	1954.0	2005.3	1989.4	3144.1	5499.6	6528.8	6459.8	6367.9
42.5°	1756.0	1816.1	1885.1	1890.4	1895.7	2871.8	5771.9	7066.4	7054.0	6953.2
45°	1708.2	1747.1	1812.6	1803.7	1890.4	2571.2	6023.0	7886.9	8049.6	7973.5
47.5°	1676.4	1706.5	1713.5	1750.7	1936.4	2302.4	6346.6	9492.6	9945.3	9858.6
50°	1658.7	1688.8	1609.2	1754.2	1943.4	2129.1	6794.0	11508.5	12237.1	12122.1
52.5°	1657.0	1649.9	1529.6	1791.4	1904.5	2023.0	7027.5	12979.8	14596.1	14845.4
55°	1660.5	1572.1	1489.0	1802.0	1826.7	1984.1	6245.9	13687.1	16772.9	17299.9
57.5°	1628.7	1487.2	1511.9	1759.5	1679.9	2088.4	4617.2	13434.2	17642.9	18622.6
60°	1568.5	1405.8	1554.4	1644.6	1529.6	1909.8	3179.5	12306.0	16741.1	17749.0
62.5°	1481.9	1349.3	1549.1	1496.0	1474.8	1563.2	2185.7	10726.9	15310.5	16295.5
65°	1384.6	1303.3	1466.0	1352.8	1365.2	1202.5	1545.5	8944.4	13602.2	14571.3
67.5°	1280.3	1275.0	1344.0	1204.3	1153.0	953.1	1126.4	7168.9	11407.7	12281.3
70°	1161.8	1200.7	1221.9	1069.9	935.5	748.0	836.4	5013.3	8415.6	9176.0
72.5°	1043.3	1046.9	1076.9	930.2	700.3	599.5	627.8	3036.3	5717.1	6270.6
75°	923.1	889.5	917.8	756.9	521.7	491.6	484.5	1876.2	3948.8	4385.5
77.5°	794.0	756.9	719.7	569.4	419.1	380.2	371.4	1052.2	2422.7	2691.4
80°	645.5	595.9	537.6	417.3	305.9	272.3	270.6	512.8	1207.8	1345.7
82.5°	502.2	408.5	392.6	259.9	189.2	166.2	176.8	196.3	364.3	406.7
85°	351.9	297.1	208.7	104.3	84.9	69.0	67.2	58.4	97.3	107.9
87.5°	196.3	129.1	67.2	12.4	14.1	15.9	12.4	8.8	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)