

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: P638321

Luminaire Tested: GWS-SA4E-750-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638321  
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-SA4E-750-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

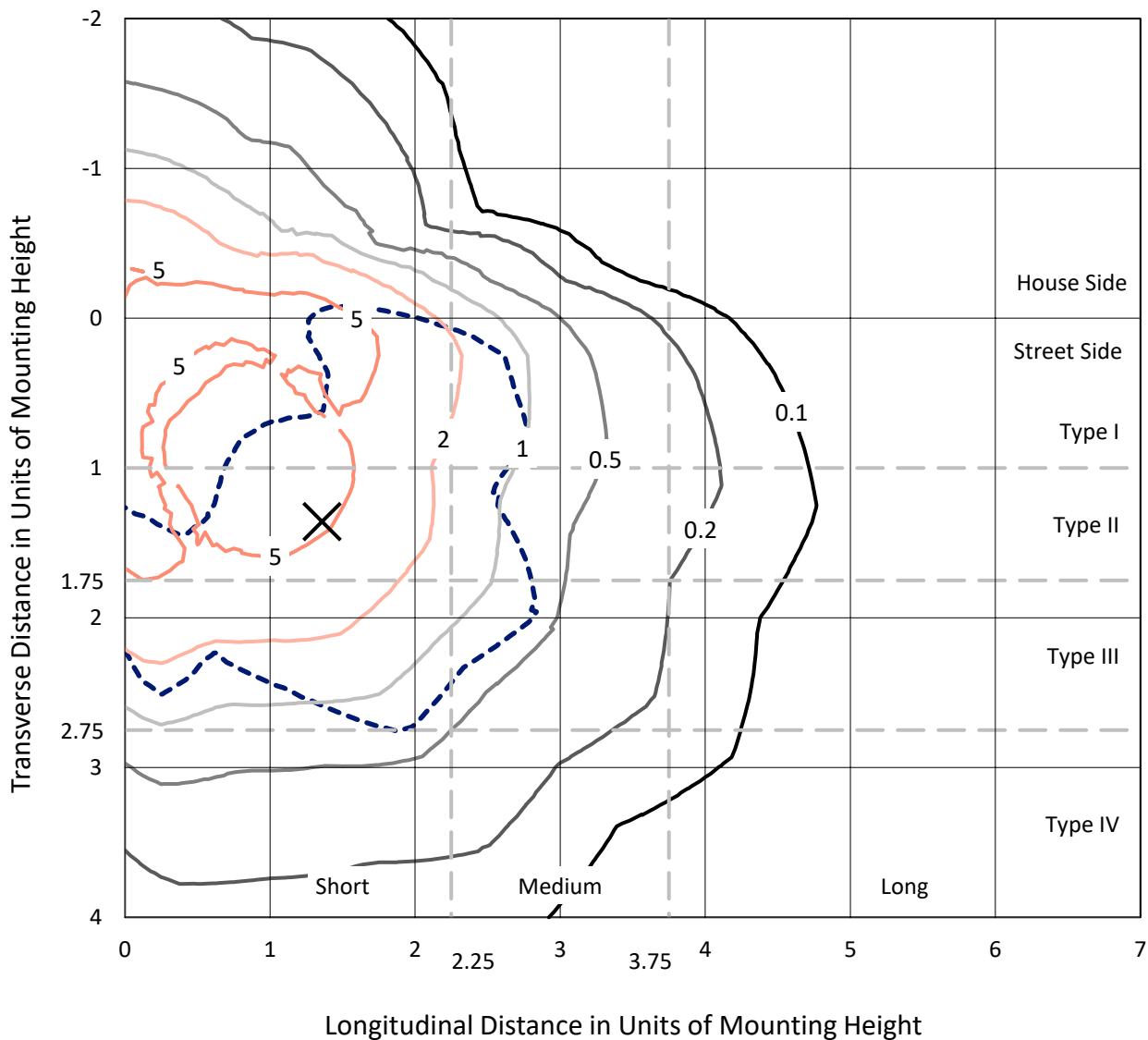
Lumens per Lamp: N/A  
Luminaire Lumens: 29639.9 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): 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

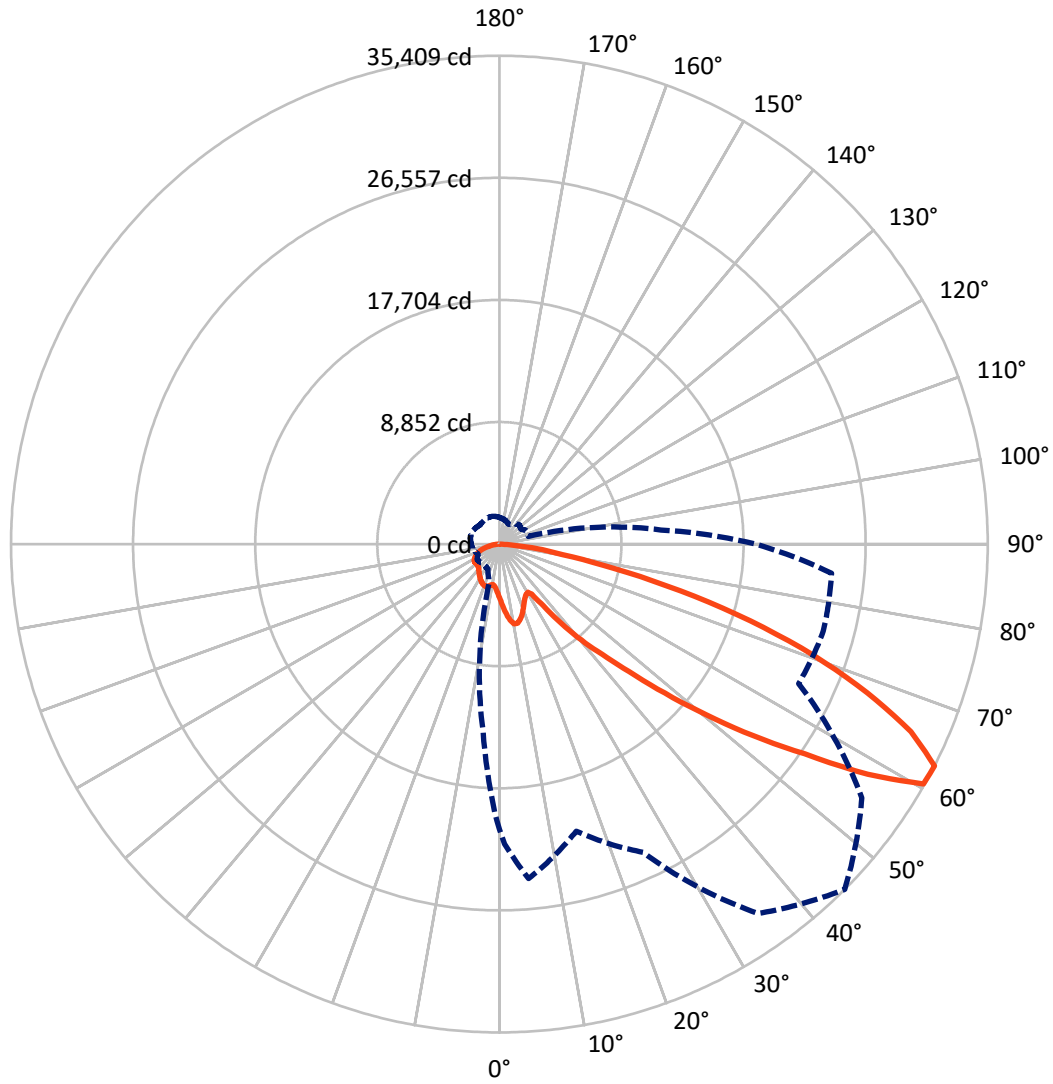
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	7072.6	0.0	7072.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	22567.3	0.0	22567.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	29639.9	0.0	29639.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.2	1.3
10°-20°	1204.4	4.1
20°-30°	1870.7	6.3
30°-40°	2539.8	8.6
40°-50°	4025.4	13.6
50°-60°	7100.9	24.0
60°-70°	7900.8	26.7
70°-80°	4007.0	13.5
80°-90°	606.7	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°	29639.9	100.0
0°-180°	29639.9	100.0

**Coefficient of Utilization**



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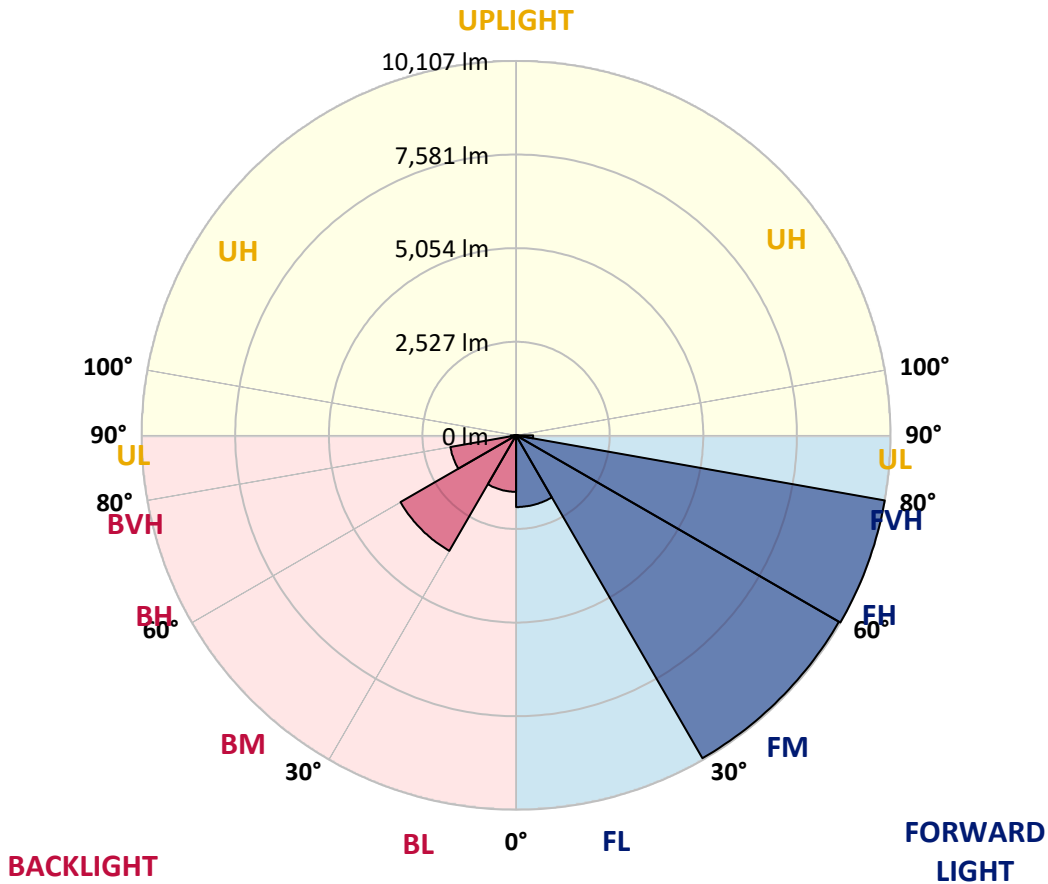
CATALOG NUMBER: GWS-SA4E-750-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1935.2	6.5			
FM (30°-60°)	10064.0	34.0			
FH (60°-80°)	10107.5	34.1			G4/12000
FVH (80°-90°)	460.5	1.6			G3/500
BL (0°-30°)	1524.0	5.1	B3/2500		
BM (30°-60°)	3602.1	12.2	B3/5000		
BH (60°-80°)	1800.3	6.1	B3/2500		G3/2500
BVH (80°-90°)	146.2	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°	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8
2.5°	4227.8	4225.5	4268.2	4333.3	4393.9	4420.8	4465.7	4461.2	4425.3	4378.1	4362.4
5°	4559.9	4568.9	4642.9	4786.6	4945.9	5013.2	5042.4	5031.2	4966.1	4883.1	4737.2
7.5°	4860.6	4876.3	4990.8	5206.2	5403.7	5493.4	5565.2	5551.8	5457.5	5302.7	5087.3
10°	5080.5	5098.5	5235.4	5488.9	5708.9	5787.4	5879.4	5883.9	5800.9	5592.2	5372.3
12.5°	5300.4	5318.4	5446.3	5677.4	5821.1	5823.3	5877.2	5906.3	5910.8	5814.3	5594.4
15°	5529.3	5545.0	5661.7	5791.9	5785.2	5659.5	5659.5	5715.6	5839.0	5908.6	5756.0
17.5°	5724.6	5744.8	5834.5	5791.9	5592.2	5365.5	5338.6	5410.4	5625.8	5892.9	5877.2
20°	5886.1	5901.9	5951.2	5668.5	5304.9	5008.7	4957.1	5040.1	5331.9	5796.4	5969.2
22.5°	6041.0	6050.0	6023.0	5506.9	4995.3	4656.4	4593.6	4681.1	4995.3	5625.8	6047.7
25°	6225.0	6216.0	6088.1	5338.6	4712.5	4378.1	4313.1	4411.8	4739.4	5399.2	6133.0
27.5°	6438.2	6404.5	6144.2	5156.8	4494.8	4171.7	4126.8	4232.3	4537.5	5190.5	6200.3
30°	6619.9	6554.9	6153.2	4995.3	4382.6	4084.2	4057.2	4156.0	4438.7	5049.1	6285.6
32.5°	6821.9	6732.2	6204.8	4952.6	4445.5	4295.1	4331.0	4337.7	4465.7	5008.7	6413.5
35°	7111.4	6994.7	6346.2	5076.0	5091.7	5345.3	5475.5	5300.4	4871.8	5098.5	6655.9
37.5°	7549.0	7400.9	6633.4	5610.1	6427.0	6994.7	7308.9	6909.4	6106.1	5437.3	7021.6
40°	8080.8	7892.3	7001.4	6597.5	7674.7	8583.5	9142.3	8556.6	7376.2	6283.3	7535.5
42.5°	8823.6	8626.1	7715.0	7566.9	8830.3	10183.5	10912.8	10039.9	8496.0	7376.2	8359.1
45°	10118.4	9927.7	9023.3	8538.6	10183.5	12153.8	13177.1	11963.0	9633.7	8473.5	9898.5
47.5°	12510.6	12286.2	10966.7	9615.8	11727.4	14712.0	16143.7	14375.4	10816.3	9730.2	12483.7
50°	15383.0	15167.5	13406.0	10890.4	13432.9	17447.5	19438.0	17209.6	12178.5	11258.4	15573.7
52.5°	18838.8	18798.4	16886.5	12501.6	15207.9	20364.8	23093.5	20349.0	13670.8	13316.2	19074.4
55°	21953.5	22348.5	21307.3	14958.8	17501.3	24029.3	26852.3	23773.5	15694.9	16718.2	23174.3
57.5°	23632.1	24693.5	26293.5	19972.0	20836.0	28409.7	31490.8	27954.1	19173.2	22382.2	26975.7
60°	22523.5	23726.3	26625.7	23746.5	24143.7	31919.4	35319.1	31468.3	22588.6	26313.7	26760.3
62.5°	20678.9	21758.3	24336.7	21542.9	24655.4	32691.3	35408.9	32080.9	23946.3	24318.8	24172.9
65°	18491.0	19579.3	22310.3	18805.1	23028.4	30857.9	32796.8	30279.0	21507.0	21971.5	22025.4
67.5°	15584.9	16590.3	19370.6	16720.4	20990.8	28167.3	28786.7	27711.8	19806.0	20546.5	19772.3
70°	11644.4	12551.0	15006.0	13587.7	17694.3	24662.1	24161.7	24321.0	17896.3	18632.3	16516.2
72.5°	7957.4	8639.6	10744.5	10677.2	13549.6	19743.2	19045.3	20555.5	14947.6	15923.8	12591.4
75°	5565.2	6097.1	7766.7	8435.4	10241.8	14633.5	13563.0	15385.2	11673.5	13067.1	9187.1
77.5°	3415.4	3767.8	4905.5	6249.7	6588.5	10015.2	8424.2	11577.1	8197.5	9530.5	6128.5
80°	1707.7	1878.3	2383.2	3929.3	4369.2	5901.9	4651.9	6720.9	5547.3	5901.9	3390.8
82.5°	516.1	570.0	697.9	1492.3	2264.2	3397.5	2749.0	3904.6	3029.5	2766.9	1335.2
85°	136.9	154.8	193.0	442.1	794.4	1218.5	929.0	1891.7	1451.9	1021.0	502.7
87.5°	11.2	11.2	9.0	9.0	4.5	0.0	0.0	134.6	271.5	154.8	87.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8
2.5°	4283.9	4274.9	4182.9	4115.6	4037.0	3960.7	3882.2	3812.6	3734.1	3655.6	3633.1
5°	4629.5	4566.6	4371.4	4207.6	4046.0	3904.6	3781.2	3653.3	3550.1	3449.1	3411.0
7.5°	4934.7	4824.7	4542.0	4292.9	4068.5	3893.4	3711.7	3525.4	3379.5	3235.9	3200.0
10°	5210.7	5064.8	4708.0	4393.9	4144.8	3945.0	3731.9	3482.8	3271.8	3096.8	3049.7
12.5°	5414.9	5255.6	4851.6	4490.3	4207.6	3983.2	3772.2	3552.3	3330.2	3103.5	3051.9
15°	5576.5	5410.4	4970.6	4564.4	4209.8	3920.4	3716.1	3639.8	3570.3	3348.1	3253.9
17.5°	5706.6	5531.6	5073.8	4609.3	4149.2	3729.6	3552.3	3664.5	3841.8	3702.7	3525.4
20°	5825.6	5648.3	5152.3	4640.7	4014.6	3467.1	3368.3	3606.2	3873.2	3868.7	3709.4
22.5°	5955.7	5782.9	5266.8	4658.6	3826.1	3200.0	3258.4	3520.9	3738.6	3803.7	3704.9
25°	6121.8	5969.2	5426.1	4699.0	3612.9	3016.0	3177.6	3411.0	3592.7	3608.4	3550.1
27.5°	6314.8	6200.3	5664.0	4793.3	3406.5	2921.8	3083.3	3256.1	3422.2	3428.9	3359.3
30°	6525.7	6449.4	5883.9	4871.8	3251.6	2892.6	2962.1	3101.3	3206.7	3224.7	3164.1
32.5°	6795.0	6727.7	6079.1	4820.2	3159.6	2885.8	2849.9	2921.8	3009.3	3009.3	2962.1
35°	7165.3	7071.0	6285.6	4622.7	3047.4	2858.9	2731.0	2751.2	2789.4	2796.1	2769.2
37.5°	7690.4	7535.5	6494.3	4232.3	2863.4	2762.4	2594.1	2569.4	2582.9	2600.9	2594.1
40°	8341.1	8087.6	6799.5	3763.3	2643.5	2576.2	2452.7	2405.6	2394.4	2430.3	2443.8
42.5°	9160.2	8772.0	7127.1	3325.7	2443.8	2363.0	2286.7	2246.3	2228.3	2288.9	2324.8
45°	10468.5	9828.9	7441.3	2892.6	2331.6	2181.2	2129.6	2100.4	2109.4	2181.2	2226.1
47.5°	12728.3	11442.4	7739.7	2618.8	2322.6	2051.1	1988.2	1995.0	2019.6	2095.9	2149.8
50°	15587.2	13603.4	7939.4	2504.4	2349.5	1972.5	1889.5	1925.4	1963.5	2037.6	2100.4
52.5°	18497.7	15616.3	7701.6	2441.5	2347.3	1974.8	1797.5	1905.2	1923.2	1997.2	2064.5
55°	20499.4	15840.8	6653.6	2345.0	2311.4	2064.5	1725.7	1896.2	1907.4	1974.8	2035.4
57.5°	21262.4	15073.3	5073.8	2372.0	2203.7	2134.1	1694.3	1833.4	1914.2	1972.5	2035.4
60°	20340.1	13625.9	3083.3	2441.5	2030.9	2129.6	1714.5	1718.9	1858.1	1956.8	2019.6
62.5°	18600.9	11767.8	2165.5	2244.1	1905.2	2010.7	1761.6	1584.3	1759.3	1878.3	1934.4
65°	16608.2	9582.1	1651.6	1932.1	1844.6	1826.7	1777.3	1465.4	1624.7	1741.4	1790.8
67.5°	14532.5	7448.0	1341.9	1440.7	1667.3	1651.6	1624.7	1359.9	1465.4	1548.4	1604.5
70°	11918.2	5210.7	1133.2	1081.6	1429.5	1481.1	1420.5	1227.5	1261.2	1346.4	1391.3
72.5°	8718.1	3247.1	931.3	893.1	1149.0	1294.8	1263.4	1081.6	1097.3	1178.1	1214.0
75°	6269.9	1858.1	747.3	736.0	877.4	1108.6	1045.7	931.3	949.2	1009.8	1034.5
77.5°	3985.4	1034.5	576.7	592.4	628.3	828.1	893.1	796.6	796.6	832.5	852.7
80°	2134.1	592.4	421.9	428.6	439.8	632.8	704.6	617.1	617.1	592.4	617.1
82.5°	870.7	341.1	289.5	269.3	294.0	433.1	493.7	392.7	410.7	370.3	379.2
85°	287.2	170.5	143.6	141.4	139.1	190.7	237.9	195.2	233.4	148.1	154.8
87.5°	38.1	31.4	18.0	13.5	15.7	6.7	13.5	15.7	15.7	11.2	11.2
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°	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8
2.5°	3617.4	3599.5	3534.4	3550.1	3538.9	3520.9	3538.9	3505.2	3532.1	3541.1	3597.2
5°	3381.8	3339.1	3276.3	3244.9	3238.2	3220.2	3222.5	3206.7	3211.2	3249.4	3312.2
7.5°	3170.8	3130.5	3081.1	3058.6	3038.4	3018.2	3016.0	3013.8	3031.7	3065.4	3126.0
10°	3018.2	2995.8	2975.6	2984.6	2975.6	2966.6	2950.9	2950.9	2980.1	3040.7	3114.7
12.5°	3018.2	3013.8	3018.2	3045.2	3042.9	3045.2	3025.0	3036.2	3117.0	3220.2	3325.7
15°	3179.8	3143.9	3143.9	3157.4	3152.9	3152.9	3152.9	3200.0	3384.0	3543.4	3655.6
17.5°	3377.3	3271.8	3226.9	3220.2	3218.0	3218.0	3226.9	3327.9	3615.2	3783.5	3848.5
20°	3514.2	3314.5	3240.4	3211.2	3213.5	3218.0	3244.9	3384.0	3700.4	3785.7	3770.0
22.5°	3538.9	3280.8	3191.0	3148.4	3155.1	3159.6	3200.0	3348.1	3583.7	3597.2	3565.8
25°	3424.4	3186.6	3090.1	3056.4	3065.4	3063.1	3099.0	3206.7	3375.1	3370.6	3352.6
27.5°	3253.9	3036.2	2964.4	2941.9	2957.7	2939.7	2950.9	3034.0	3164.1	3159.6	3152.9
30°	3078.8	2890.3	2825.3	2814.0	2834.2	2807.3	2809.6	2879.1	2968.9	2964.4	2962.1
32.5°	2903.8	2744.5	2686.1	2686.1	2706.3	2677.2	2681.6	2742.2	2802.8	2784.9	2784.9
35°	2737.7	2625.5	2578.4	2569.4	2585.1	2564.9	2573.9	2630.0	2652.5	2627.8	2612.1
37.5°	2591.9	2542.5	2495.4	2464.0	2466.2	2468.5	2495.4	2538.0	2524.6	2488.7	2468.5
40°	2457.2	2457.2	2412.4	2354.0	2347.3	2363.0	2407.9	2455.0	2416.8	2376.4	2351.8
42.5°	2360.7	2380.9	2338.3	2280.0	2266.5	2293.4	2342.8	2376.4	2331.6	2286.7	2253.0
45°	2271.0	2320.3	2291.2	2226.1	2208.1	2239.6	2302.4	2315.9	2255.3	2212.6	2187.9
47.5°	2208.1	2275.5	2255.3	2192.4	2165.5	2210.4	2275.5	2273.2	2196.9	2152.0	2131.8
50°	2163.3	2248.5	2246.3	2192.4	2163.3	2219.4	2277.7	2248.5	2165.5	2118.4	2098.2
52.5°	2127.4	2246.3	2262.0	2230.6	2210.4	2259.8	2295.7	2239.6	2143.1	2093.7	2078.0
55°	2111.7	2255.3	2266.5	2237.3	2219.4	2264.2	2295.7	2257.5	2143.1	2098.2	2084.7
57.5°	2116.1	2244.1	2246.3	2205.9	2174.5	2230.6	2280.0	2268.7	2167.8	2116.1	2100.4
60°	2089.2	2183.5	2187.9	2125.1	2089.2	2156.5	2244.1	2237.3	2156.5	2102.7	2073.5
62.5°	1999.4	2082.5	2084.7	2026.4	1974.8	2071.3	2167.8	2165.5	2091.5	2037.6	2003.9
65°	1849.1	1936.6	1959.1	1903.0	1862.6	1965.8	2066.8	2062.3	1988.2	1938.9	1905.2
67.5°	1662.8	1757.1	1799.7	1761.6	1745.9	1840.1	1934.4	1932.1	1871.5	1824.4	1795.2
70°	1436.2	1514.7	1586.5	1586.5	1575.3	1683.0	1784.0	1775.0	1718.9	1683.0	1660.6
72.5°	1247.7	1308.3	1330.7	1353.2	1386.8	1499.0	1584.3	1591.0	1550.6	1532.7	1550.6
75°	1061.4	1099.6	1119.8	1101.8	1160.2	1276.9	1389.1	1400.3	1357.7	1328.5	1335.2
77.5°	872.9	915.6	935.8	895.4	890.9	1039.0	1175.9	1200.6	1164.7	1119.8	1133.2
80°	630.6	686.7	720.3	693.4	684.4	749.5	938.0	964.9	931.3	895.4	915.6
82.5°	386.0	417.4	426.4	453.3	509.4	536.3	603.6	693.4	668.7	637.3	693.4
85°	152.6	181.8	202.0	228.9	267.0	316.4	372.5	444.3	403.9	390.5	460.0
87.5°	9.0	2.2	0.0	4.5	38.1	74.1	159.3	219.9	184.0	197.5	237.9
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8	3933.8
2.5°	3642.1	3700.4	3779.0	3844.1	3927.1	4005.6	4086.4	4167.2	4209.8	4227.8
5°	3384.0	3491.7	3617.4	3756.5	3918.1	4088.7	4261.5	4438.7	4550.9	4559.9
7.5°	3229.2	3384.0	3556.8	3731.9	3931.6	4167.2	4441.0	4714.7	4829.2	4860.6
10°	3278.6	3451.3	3588.2	3752.1	3972.0	4265.9	4589.1	4910.0	5042.4	5080.5
12.5°	3476.0	3509.7	3552.3	3702.7	3972.0	4351.2	4741.7	5123.2	5264.5	5300.4
15°	3639.8	3478.3	3402.0	3561.3	3918.1	4425.3	4903.2	5325.1	5495.7	5529.3
17.5°	3653.3	3375.1	3209.0	3352.6	3823.9	4476.9	5058.1	5549.5	5693.2	5724.6
20°	3516.4	3265.1	3049.7	3137.2	3696.0	4499.3	5170.3	5713.4	5854.7	5886.1
22.5°	3361.6	3175.3	2941.9	2937.5	3541.1	4524.0	5304.9	5868.2	6020.8	6041.0
25°	3215.7	3051.9	2854.4	2791.6	3361.6	4571.1	5486.7	6101.6	6218.3	6225.0
27.5°	3045.2	2919.5	2784.9	2724.3	3204.5	4660.9	5756.0	6379.8	6449.4	6438.2
30°	2890.3	2796.1	2735.5	2717.5	3105.8	4728.2	6011.8	6653.6	6658.1	6619.9
32.5°	2726.5	2690.6	2690.6	2749.0	3025.0	4712.5	6220.5	6920.7	6878.0	6821.9
35°	2580.7	2587.4	2634.5	2771.4	2890.3	4555.4	6420.2	7255.0	7192.2	7111.4
37.5°	2441.5	2493.1	2560.5	2692.9	2713.1	4322.0	6653.6	7728.5	7650.0	7549.0
40°	2322.6	2401.1	2479.7	2544.8	2524.6	3989.9	6979.0	8285.0	8197.5	8080.8
42.5°	2228.3	2304.6	2392.2	2398.9	2405.6	3644.3	7324.6	8967.2	8951.5	8823.6
45°	2167.8	2217.1	2300.2	2288.9	2398.9	3262.8	7643.2	10008.5	10214.9	10118.4
47.5°	2127.4	2165.5	2174.5	2221.6	2457.2	2921.8	8053.9	12046.1	12620.5	12510.6
50°	2104.9	2143.1	2042.1	2226.1	2466.2	2701.8	8621.6	14604.3	15528.8	15383.0
52.5°	2102.7	2093.7	1941.1	2273.2	2416.8	2567.2	8917.9	16471.3	18522.4	18838.8
55°	2107.2	1995.0	1889.5	2286.7	2318.1	2517.8	7926.0	17368.9	21284.8	21953.5
57.5°	2066.8	1887.2	1918.7	2232.8	2131.8	2650.2	5859.2	17048.0	22388.9	23632.1
60°	1990.5	1784.0	1972.5	2087.0	1941.1	2423.6	4034.8	15616.3	21244.4	22523.5
62.5°	1880.5	1712.2	1965.8	1898.5	1871.5	1983.7	2773.6	13612.4	19429.0	20678.9
65°	1757.1	1653.9	1860.3	1716.7	1732.4	1526.0	1961.3	11350.4	17261.2	18491.0
67.5°	1624.7	1618.0	1705.5	1528.2	1463.1	1209.5	1429.5	9097.4	14476.4	15584.9
70°	1474.3	1523.7	1550.6	1357.7	1187.1	949.2	1061.4	6361.9	10679.4	11644.4
72.5°	1324.0	1328.5	1366.6	1180.4	888.6	760.7	796.6	3853.0	7255.0	7957.4
75°	1171.4	1128.8	1164.7	960.5	662.0	623.8	614.9	2380.9	5011.0	5565.2
77.5°	1007.6	960.5	913.3	722.6	531.8	482.5	471.3	1335.2	3074.3	3415.4
80°	819.1	756.2	682.2	529.6	388.2	345.6	343.3	650.8	1532.7	1707.7
82.5°	637.3	518.4	498.2	329.9	240.1	210.9	224.4	249.1	462.3	516.1
85°	446.6	377.0	264.8	132.4	107.7	87.5	85.3	74.1	123.4	136.9
87.5°	249.1	163.8	85.3	15.7	18.0	20.2	15.7	11.2	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)