

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: P630841

Luminaire Tested: GWS-SA1E-740-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630841  
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-SA1E-740-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

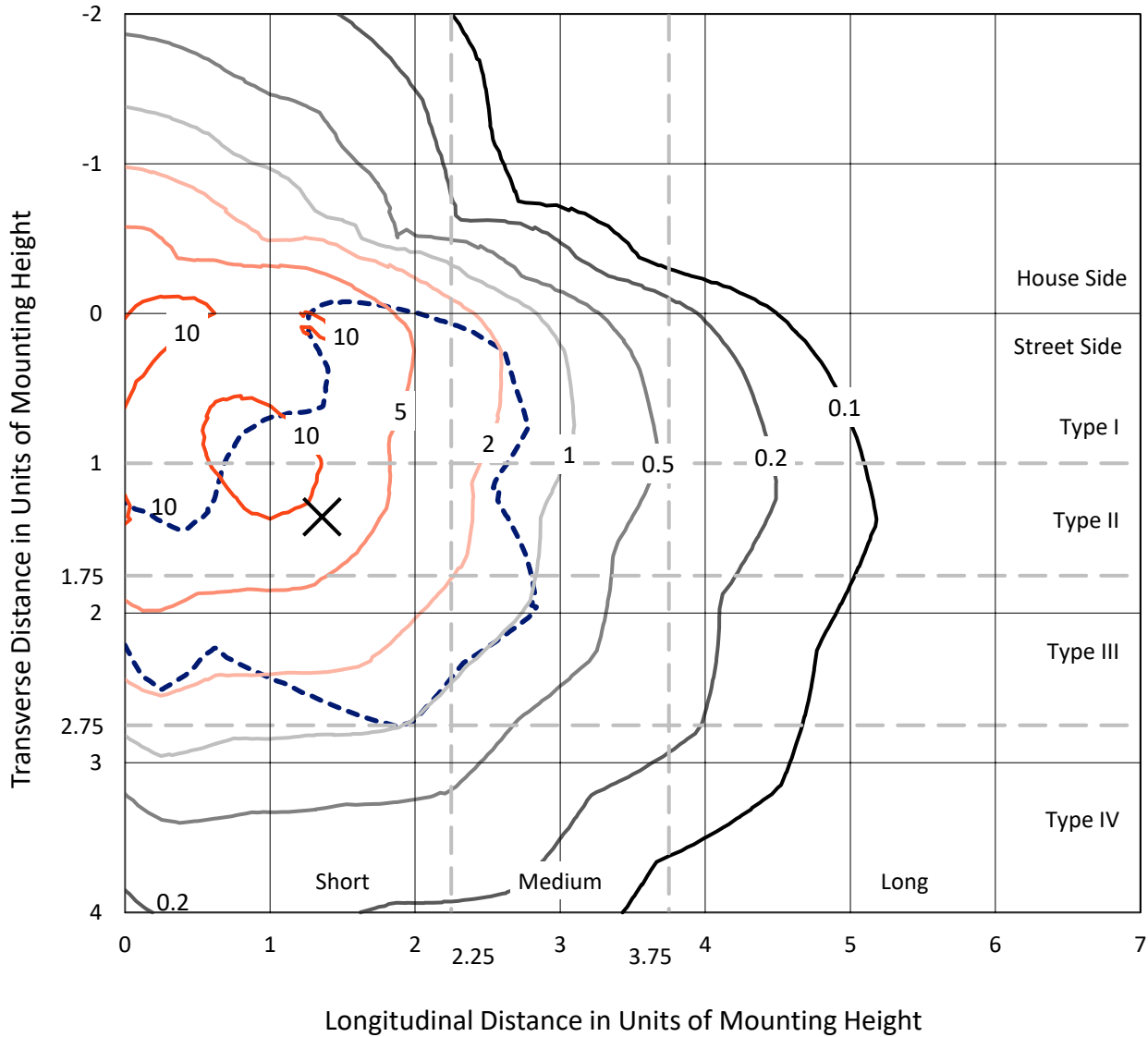
Lumens per Lamp: N/A  
Luminaire Lumens: 7174.8 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

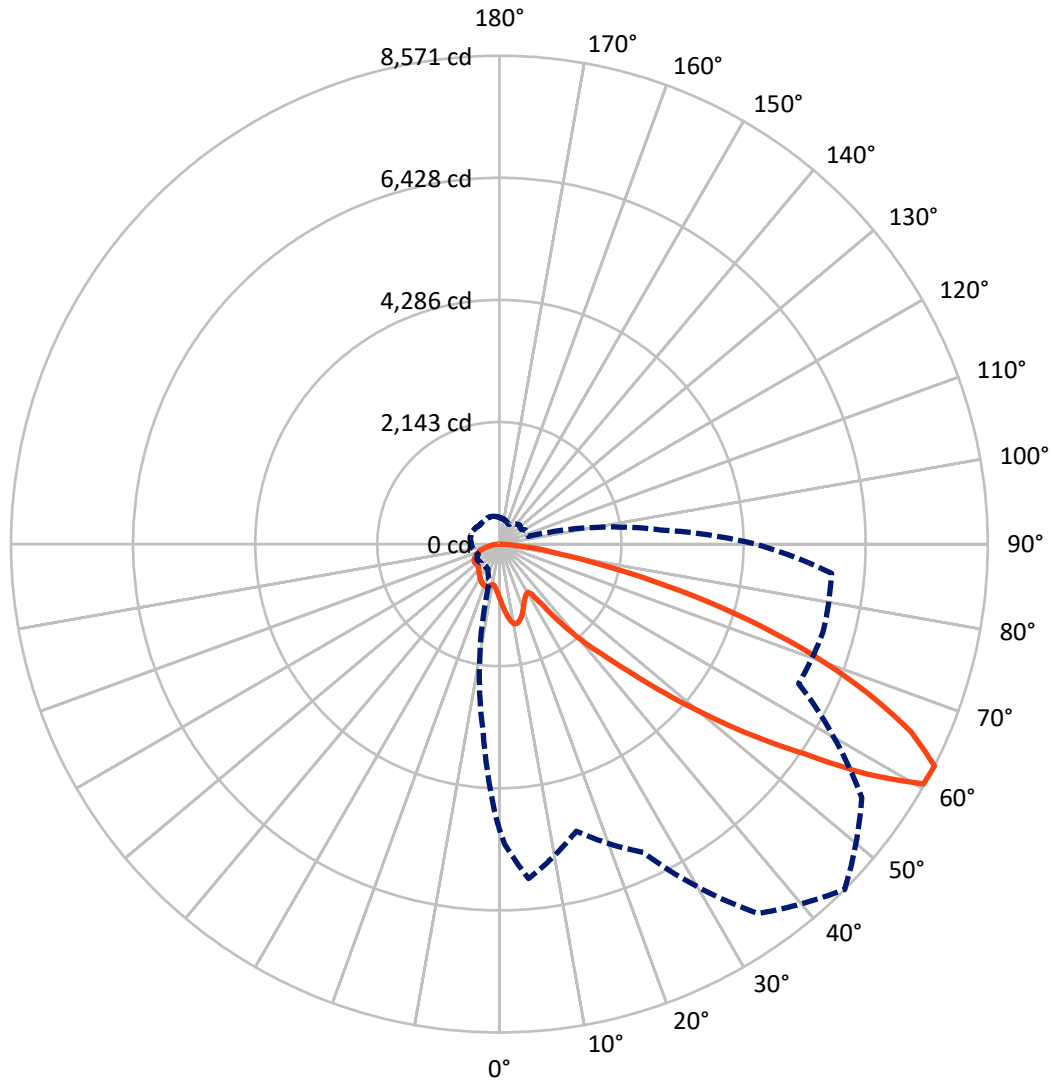
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 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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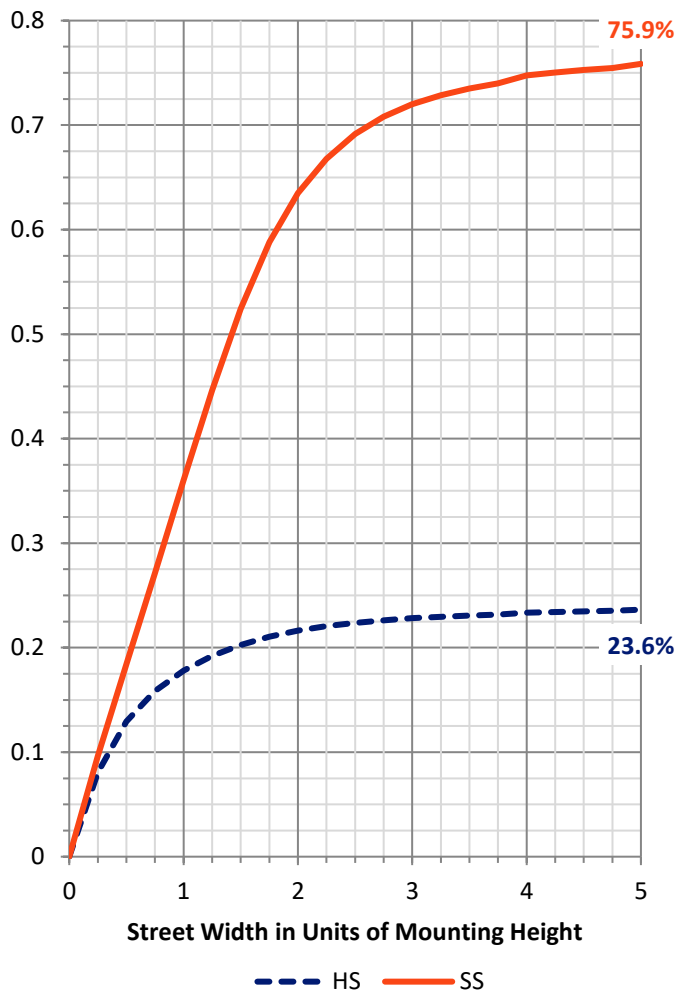
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1712.0	0.0	1712.0
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	5462.8	0.0	5462.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	7174.8	0.0	7174.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.0	1.3
10°-20°	291.5	4.1
20°-30°	452.8	6.3
30°-40°	614.8	8.6
40°-50°	974.4	13.6
50°-60°	1718.9	24.0
60°-70°	1912.5	26.7
70°-80°	969.9	13.5
80°-90°	146.9	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°	7174.8	100.0
0°-180°	7174.8	100.0

**Coefficient of Utilization**



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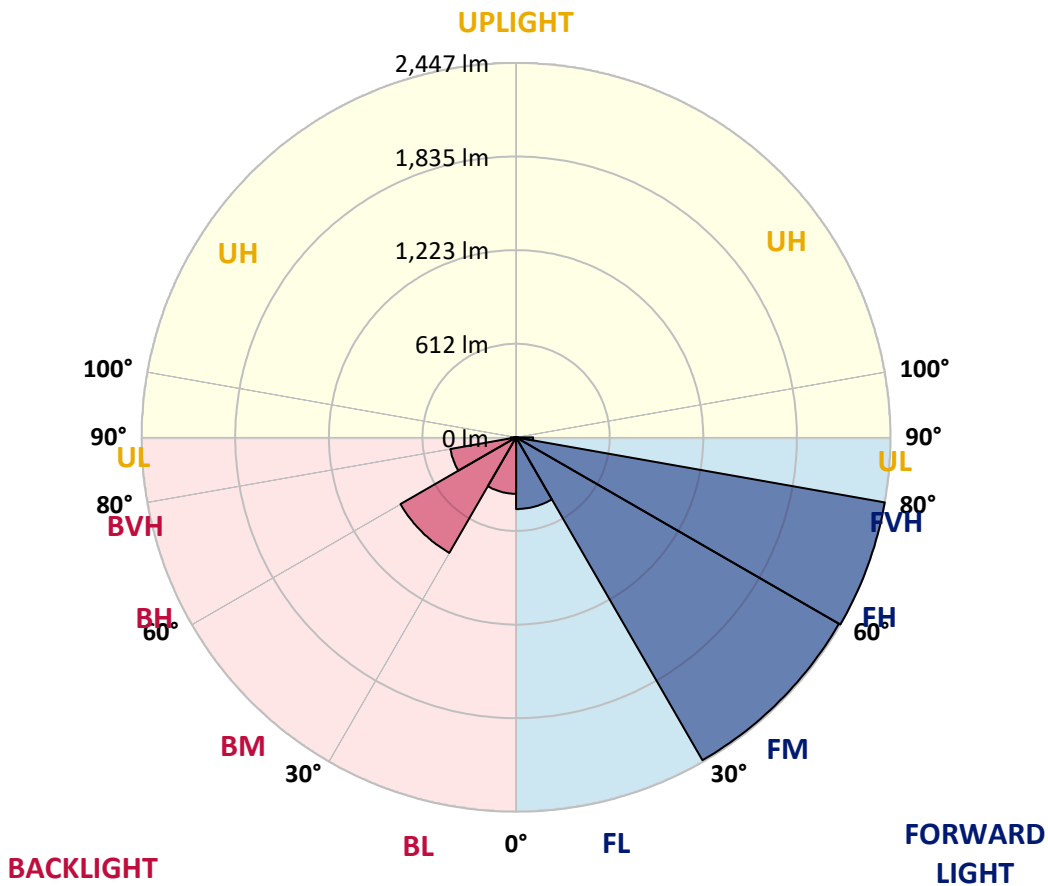
CATALOG NUMBER: GWS-SA1E-740-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.5	6.5			
FM (30°-60°)	2436.2	34.0			
FH (60°-80°)	2446.7	34.1			G2/5000
FVH (80°-90°)	111.5	1.6			G2/225
BL (0°-30°)	368.9	5.1	B1/500		
BM (30°-60°)	872.0	12.2	B1/1000		
BH (60°-80°)	435.8	6.1	B1/500		G1/500
BVH (80°-90°)	35.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2
2.5°	1023.4	1022.9	1033.2	1048.9	1063.6	1070.1	1081.0	1079.9	1071.2	1059.8	1056.0
5°	1103.8	1106.0	1123.9	1158.7	1197.2	1213.5	1220.6	1217.9	1202.1	1182.0	1146.7
7.5°	1176.6	1180.4	1208.1	1260.2	1308.0	1329.8	1347.2	1343.9	1321.1	1283.6	1231.5
10°	1229.8	1234.2	1267.3	1328.7	1381.9	1400.9	1423.2	1424.3	1404.2	1353.7	1300.4
12.5°	1283.1	1287.4	1318.4	1374.3	1409.1	1409.6	1422.7	1429.7	1430.8	1407.5	1354.2
15°	1338.5	1342.3	1370.5	1402.0	1400.4	1370.0	1370.0	1383.5	1413.4	1430.3	1393.3
17.5°	1385.7	1390.6	1412.3	1402.0	1353.7	1298.8	1292.3	1309.7	1361.8	1426.5	1422.7
20°	1424.8	1428.6	1440.6	1372.1	1284.1	1212.4	1199.9	1220.0	1290.7	1403.1	1444.9
22.5°	1462.3	1464.5	1458.0	1333.0	1209.2	1127.2	1111.9	1133.1	1209.2	1361.8	1463.9
25°	1506.9	1504.7	1473.7	1292.3	1140.7	1059.8	1044.0	1067.9	1147.3	1307.0	1484.6
27.5°	1558.5	1550.3	1487.3	1248.3	1088.0	1009.8	999.0	1024.5	1098.4	1256.4	1500.9
30°	1602.5	1586.7	1489.5	1209.2	1060.9	988.6	982.1	1006.0	1074.5	1222.2	1521.5
32.5°	1651.4	1629.6	1502.0	1198.9	1076.1	1039.7	1048.4	1050.0	1081.0	1212.4	1552.5
35°	1721.4	1693.2	1536.2	1228.7	1232.5	1293.9	1325.4	1283.1	1179.3	1234.2	1611.2
37.5°	1827.3	1791.5	1605.7	1358.0	1555.7	1693.2	1769.2	1672.5	1478.1	1316.2	1699.7
40°	1956.1	1910.5	1694.8	1597.0	1857.8	2077.8	2213.0	2071.2	1785.5	1521.0	1824.1
42.5°	2135.9	2088.1	1867.5	1831.7	2137.5	2465.1	2641.6	2430.3	2056.6	1785.5	2023.4
45°	2449.3	2403.1	2184.2	2066.9	2465.1	2942.0	3189.7	2895.8	2332.0	2051.2	2396.1
47.5°	3028.4	2974.1	2654.7	2327.6	2838.8	3561.3	3907.8	3479.8	2618.3	2355.3	3021.9
50°	3723.7	3671.5	3245.1	2636.2	3251.6	4223.4	4705.3	4165.9	2948.0	2725.3	3769.9
52.5°	4560.2	4550.4	4087.6	3026.2	3681.3	4929.6	5590.1	4925.8	3309.2	3223.4	4617.3
55°	5314.2	5409.8	5157.8	3621.0	4236.5	5816.7	6500.0	5754.7	3799.2	4046.9	5609.7
57.5°	5720.5	5977.5	6364.8	4834.5	5043.7	6877.0	7622.8	6766.7	4641.2	5418.0	6529.9
60°	5452.2	5743.3	6445.2	5748.2	5844.4	7726.6	8549.5	7617.4	5467.9	6369.6	6477.7
62.5°	5005.7	5266.9	5891.1	5214.8	5968.2	7913.4	8571.3	7765.7	5796.6	5886.7	5851.4
65°	4476.0	4739.5	5400.6	4552.1	5574.4	7469.6	7939.0	7329.5	5206.1	5318.5	5331.6
67.5°	3772.6	4015.9	4689.0	4047.4	5081.2	6818.3	6968.3	6708.1	4794.3	4973.6	4786.2
70°	2818.7	3038.2	3632.4	3289.1	4283.2	5969.8	5848.7	5887.3	4332.1	4510.3	3998.0
72.5°	1926.2	2091.3	2600.9	2584.6	3279.9	4779.1	4610.2	4975.8	3618.3	3854.6	3047.9
75°	1347.2	1475.9	1880.0	2041.9	2479.2	3542.3	3283.1	3724.2	2825.8	3163.1	2223.9
77.5°	826.8	912.0	1187.5	1512.8	1594.9	2424.3	2039.2	2802.4	1984.3	2307.0	1483.5
80°	413.4	454.7	576.9	951.2	1057.6	1428.6	1126.1	1626.9	1342.8	1428.6	820.8
82.5°	124.9	138.0	168.9	361.2	548.1	822.4	665.4	945.2	733.3	669.8	323.2
85°	33.1	37.5	46.7	107.0	192.3	295.0	224.9	457.9	351.5	247.2	121.7
87.5°	2.7	2.7	2.2	2.2	1.1	0.0	0.0	32.6	65.7	37.5	21.2
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2
2.5°	1037.0	1034.8	1012.5	996.2	977.2	958.8	939.7	922.9	903.9	884.9	879.5
5°	1120.6	1105.4	1058.2	1018.5	979.4	945.2	915.3	884.3	859.4	834.9	825.7
7.5°	1194.5	1167.9	1099.5	1039.2	984.8	942.5	898.5	853.4	818.1	783.3	774.6
10°	1261.3	1226.0	1139.6	1063.6	1003.3	955.0	903.4	843.1	792.0	749.6	738.2
12.5°	1310.8	1272.2	1174.4	1087.0	1018.5	964.2	913.1	859.9	806.1	751.3	738.8
15°	1349.9	1309.7	1203.2	1104.9	1019.1	949.0	899.6	881.1	864.2	810.5	787.7
17.5°	1381.4	1339.0	1228.2	1115.7	1004.4	902.8	859.9	887.1	930.0	896.3	853.4
20°	1410.2	1367.3	1247.2	1123.4	971.8	839.3	815.4	872.9	937.6	936.5	897.9
22.5°	1441.7	1399.8	1274.9	1127.7	926.2	774.6	788.7	852.3	905.0	920.7	896.8
25°	1481.9	1444.9	1313.5	1137.5	874.6	730.1	769.2	825.7	869.7	873.5	859.4
27.5°	1528.6	1500.9	1371.1	1160.3	824.6	707.3	746.4	788.2	828.4	830.0	813.2
30°	1579.6	1561.2	1424.3	1179.3	787.1	700.2	717.0	750.7	776.2	780.6	765.9
32.5°	1644.8	1628.5	1471.5	1166.8	764.8	698.6	689.9	707.3	728.4	728.4	717.0
35°	1734.5	1711.6	1521.5	1119.0	737.7	692.0	661.1	666.0	675.2	676.8	670.3
37.5°	1861.6	1824.1	1572.0	1024.5	693.1	668.7	627.9	622.0	625.2	629.6	627.9
40°	2019.1	1957.7	1645.9	911.0	639.9	623.6	593.7	582.3	579.6	588.3	591.6
42.5°	2217.4	2123.4	1725.2	805.0	591.6	572.0	553.5	543.8	539.4	554.1	562.8
45°	2534.1	2379.2	1801.3	700.2	564.4	528.0	515.5	508.4	510.6	528.0	538.9
47.5°	3081.1	2769.8	1873.5	633.9	562.2	496.5	481.3	482.9	488.9	507.4	520.4
50°	3773.1	3292.9	1921.9	606.2	568.7	477.5	457.4	466.1	475.3	493.2	508.4
52.5°	4477.7	3780.2	1864.3	591.0	568.2	478.0	435.1	461.2	465.5	483.5	499.8
55°	4962.2	3834.5	1610.6	567.7	559.5	499.8	417.7	459.0	461.7	478.0	492.7
57.5°	5146.9	3648.7	1228.2	574.2	533.4	516.6	410.1	443.8	463.4	477.5	492.7
60°	4923.6	3298.4	746.4	591.0	491.6	515.5	415.0	416.1	449.8	473.7	488.9
62.5°	4502.6	2848.6	524.2	543.2	461.2	486.7	426.4	383.5	425.9	454.7	468.2
65°	4020.3	2319.5	399.8	467.7	446.5	442.2	430.2	354.7	393.3	421.5	433.5
67.5°	3517.8	1802.9	324.8	348.7	403.6	399.8	393.3	329.2	354.7	374.8	388.4
70°	2885.0	1261.3	274.3	261.8	346.0	358.5	343.9	297.1	305.3	325.9	336.8
72.5°	2110.4	786.0	225.4	216.2	278.1	313.4	305.8	261.8	265.6	285.2	293.9
75°	1517.7	449.8	180.9	178.2	212.4	268.3	253.1	225.4	229.8	244.4	250.4
77.5°	964.7	250.4	139.6	143.4	152.1	200.4	216.2	192.8	192.8	201.5	206.4
80°	516.6	143.4	102.1	103.8	106.5	153.2	170.6	149.4	149.4	143.4	149.4
82.5°	210.8	82.6	70.1	65.2	71.2	104.8	119.5	95.1	99.4	89.6	91.8
85°	69.5	41.3	34.8	34.2	33.7	46.2	57.6	47.3	56.5	35.9	37.5
87.5°	9.2	7.6	4.3	3.3	3.8	1.6	3.3	3.8	3.8	2.7	2.7
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°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2
2.5°	875.7	871.3	855.6	859.4	856.6	852.3	856.6	848.5	855.0	857.2	870.8
5°	818.6	808.3	793.1	785.5	783.8	779.5	780.0	776.2	777.3	786.6	801.8
7.5°	767.6	757.8	745.8	740.4	735.5	730.6	730.1	729.5	733.9	742.0	756.7
10°	730.6	725.2	720.3	722.5	720.3	718.1	714.3	714.3	721.4	736.0	754.0
12.5°	730.6	729.5	730.6	737.1	736.6	737.1	732.2	735.0	754.5	779.5	805.0
15°	769.7	761.0	761.0	764.3	763.2	763.2	763.2	774.6	819.2	857.7	884.9
17.5°	817.5	792.0	781.1	779.5	779.0	779.0	781.1	805.6	875.1	915.8	931.6
20°	850.7	802.3	784.4	777.3	777.9	779.0	785.5	819.2	895.7	916.4	912.6
22.5°	856.6	794.2	772.4	762.1	763.7	764.8	774.6	810.5	867.5	870.8	863.2
25°	828.9	771.4	748.0	739.8	742.0	741.5	750.2	776.2	817.0	815.9	811.6
27.5°	787.7	735.0	717.6	712.1	715.9	711.6	714.3	734.4	765.9	764.8	763.2
30°	745.3	699.7	683.9	681.2	686.1	679.6	680.1	696.9	718.7	717.6	717.0
32.5°	702.9	664.3	650.2	650.2	655.1	648.0	649.1	663.8	678.5	674.1	674.1
35°	662.7	635.6	624.1	622.0	625.8	620.9	623.1	636.6	642.1	636.1	632.3
37.5°	627.4	615.5	604.0	596.4	597.0	597.5	604.0	614.4	611.1	602.4	597.5
40°	594.8	594.8	583.9	569.8	568.2	572.0	582.9	594.3	585.0	575.3	569.3
42.5°	571.5	576.3	566.0	551.9	548.6	555.2	567.1	575.3	564.4	553.5	545.4
45°	549.7	561.7	554.6	538.9	534.5	542.1	557.3	560.6	545.9	535.6	529.6
47.5°	534.5	550.8	545.9	530.7	524.2	535.1	550.8	550.3	531.8	520.9	516.0
50°	523.7	544.3	543.8	530.7	523.7	537.2	551.4	544.3	524.2	512.8	507.9
52.5°	515.0	543.8	547.6	539.9	535.1	547.0	555.7	542.1	518.8	506.8	503.0
55°	511.2	545.9	548.6	541.6	537.2	548.1	555.7	546.5	518.8	507.9	504.6
57.5°	512.2	543.2	543.8	534.0	526.4	539.9	551.9	549.2	524.7	512.2	508.4
60°	505.7	528.5	529.6	514.4	505.7	522.0	543.2	541.6	522.0	509.0	501.9
62.5°	484.0	504.1	504.6	490.5	478.0	501.4	524.7	524.2	506.3	493.2	485.1
65°	447.6	468.8	474.2	460.6	450.9	475.8	500.3	499.2	481.3	469.3	461.2
67.5°	402.5	425.3	435.7	426.4	422.6	445.4	468.2	467.7	453.0	441.6	434.6
70°	347.7	366.7	384.0	384.0	381.3	407.4	431.8	429.7	416.1	407.4	402.0
72.5°	302.0	316.7	322.1	327.6	335.7	362.9	383.5	385.1	375.4	371.0	375.4
75°	256.9	266.2	271.1	266.7	280.8	309.1	336.2	339.0	328.6	321.6	323.2
77.5°	211.3	221.6	226.5	216.7	215.7	251.5	284.6	290.6	281.9	271.1	274.3
80°	152.6	166.2	174.4	167.9	165.7	181.4	227.1	233.6	225.4	216.7	221.6
82.5°	93.4	101.0	103.2	109.7	123.3	129.8	146.1	167.9	161.9	154.3	167.9
85°	36.9	44.0	48.9	55.4	64.6	76.6	90.2	107.6	97.8	94.5	111.4
87.5°	2.2	0.5	0.0	1.1	9.2	17.9	38.6	53.2	44.5	47.8	57.6
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°	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2	952.2
2.5°	881.6	895.7	914.8	930.5	950.6	969.6	989.2	1008.7	1019.1	1023.4
5°	819.2	845.2	875.7	909.3	948.4	989.7	1031.6	1074.5	1101.6	1103.8
7.5°	781.7	819.2	861.0	903.4	951.7	1008.7	1075.0	1141.3	1169.0	1176.6
10°	793.6	835.5	868.6	908.2	961.5	1032.6	1110.9	1188.5	1220.6	1229.8
12.5°	841.4	849.6	859.9	896.3	961.5	1053.3	1147.8	1240.1	1274.4	1283.1
15°	881.1	842.0	823.5	862.1	948.4	1071.2	1186.9	1289.0	1330.3	1338.5
17.5°	884.3	817.0	776.8	811.6	925.6	1083.7	1224.4	1343.4	1378.1	1385.7
20°	851.2	790.4	738.2	759.4	894.7	1089.1	1251.5	1383.0	1417.2	1424.8
22.5°	813.7	768.6	712.1	711.1	857.2	1095.1	1284.1	1420.5	1457.4	1462.3
25°	778.4	738.8	691.0	675.7	813.7	1106.5	1328.1	1477.0	1505.2	1506.9
27.5°	737.1	706.7	674.1	659.5	775.7	1128.2	1393.3	1544.3	1561.2	1558.5
30°	699.7	676.8	662.2	657.8	751.8	1144.5	1455.3	1610.6	1611.7	1602.5
32.5°	660.0	651.3	651.3	665.4	732.2	1140.7	1505.8	1675.3	1664.9	1651.4
35°	624.7	626.3	637.7	670.9	699.7	1102.7	1554.1	1756.2	1741.0	1721.4
37.5°	591.0	603.5	619.8	651.8	656.7	1046.2	1610.6	1870.8	1851.8	1827.3
40°	562.2	581.2	600.2	616.0	611.1	965.8	1689.4	2005.5	1984.3	1956.1
42.5°	539.4	557.9	579.1	580.7	582.3	882.2	1773.0	2170.7	2166.9	2135.9
45°	524.7	536.7	556.8	554.1	580.7	789.8	1850.2	2422.7	2472.7	2449.3
47.5°	515.0	524.2	526.4	537.8	594.8	707.3	1949.6	2915.9	3055.0	3028.4
50°	509.5	518.8	494.3	538.9	597.0	654.0	2087.0	3535.2	3759.0	3723.7
52.5°	509.0	506.8	469.9	550.3	585.0	621.4	2158.7	3987.1	4483.6	4560.2
55°	510.1	482.9	457.4	553.5	561.1	609.5	1918.6	4204.4	5152.3	5314.2
57.5°	500.3	456.8	464.4	540.5	516.0	641.5	1418.3	4126.7	5419.6	5720.5
60°	481.8	431.8	477.5	505.2	469.9	586.7	976.7	3780.2	5142.5	5452.2
62.5°	455.2	414.5	475.8	459.6	453.0	480.2	671.4	3295.1	4703.1	5005.7
65°	425.3	400.3	450.3	415.6	419.4	369.4	474.8	2747.5	4178.4	4476.0
67.5°	393.3	391.7	412.8	369.9	354.2	292.8	346.0	2202.2	3504.2	3772.6
70°	356.9	368.8	375.4	328.6	287.4	229.8	256.9	1540.0	2585.1	2818.7
72.5°	320.5	321.6	330.8	285.7	215.1	184.1	192.8	932.7	1756.2	1926.2
75°	283.6	273.2	281.9	232.5	160.2	151.0	148.8	576.3	1213.0	1347.2
77.5°	243.9	232.5	221.1	174.9	128.7	116.8	114.1	323.2	744.2	826.8
80°	198.3	183.1	165.1	128.2	94.0	83.7	83.1	157.5	371.0	413.4
82.5°	154.3	125.5	120.6	79.9	58.1	51.1	54.3	60.3	111.9	124.9
85°	108.1	91.3	64.1	32.0	26.1	21.2	20.6	17.9	29.9	33.1
87.5°	60.3	39.7	20.6	3.8	4.3	4.9	3.8	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)