

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: P632323

Luminaire Tested: GWS-SA2C-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-740-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

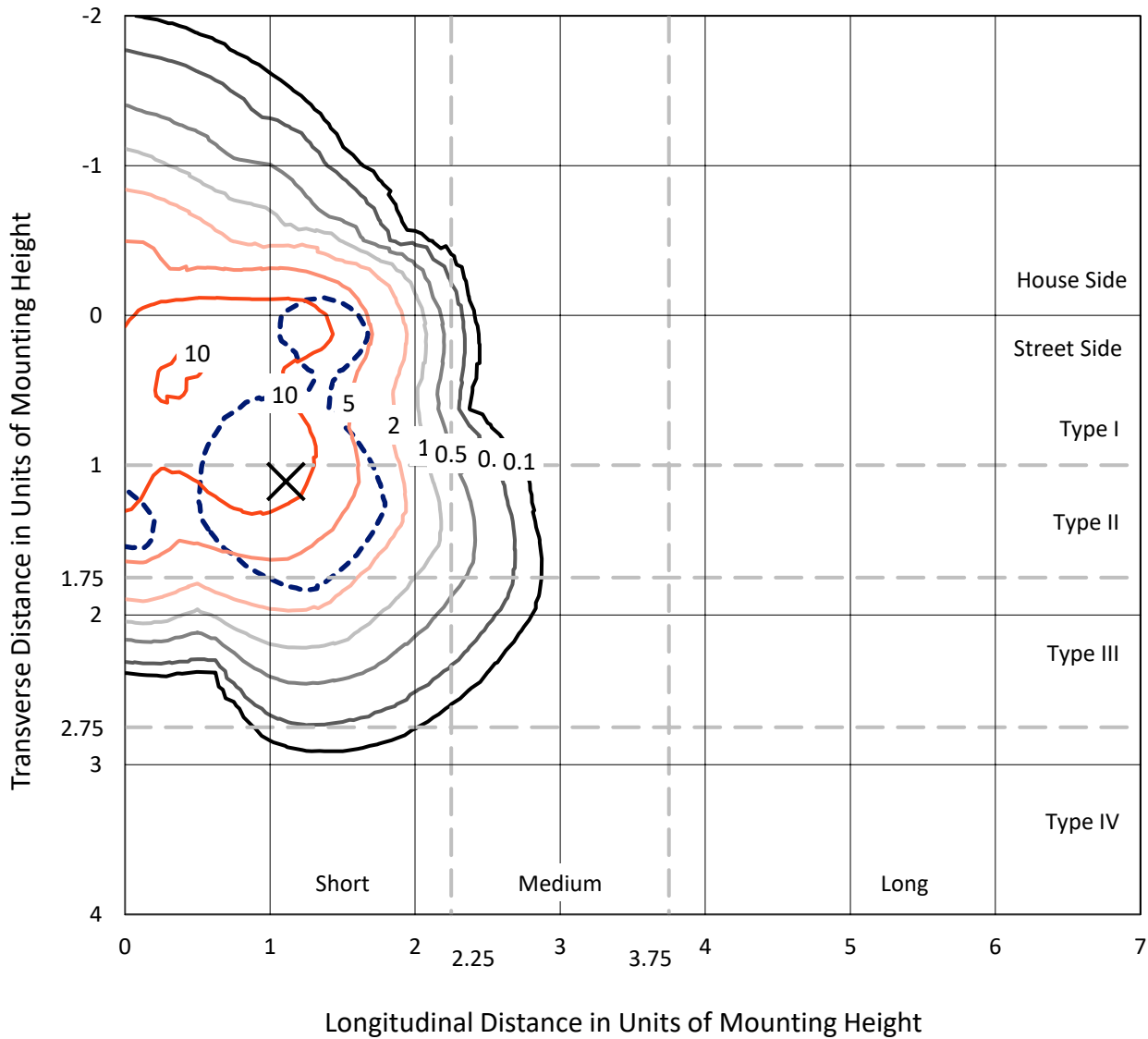
Lumens per Lamp: N/A  
Luminaire Lumens: 4937.7 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

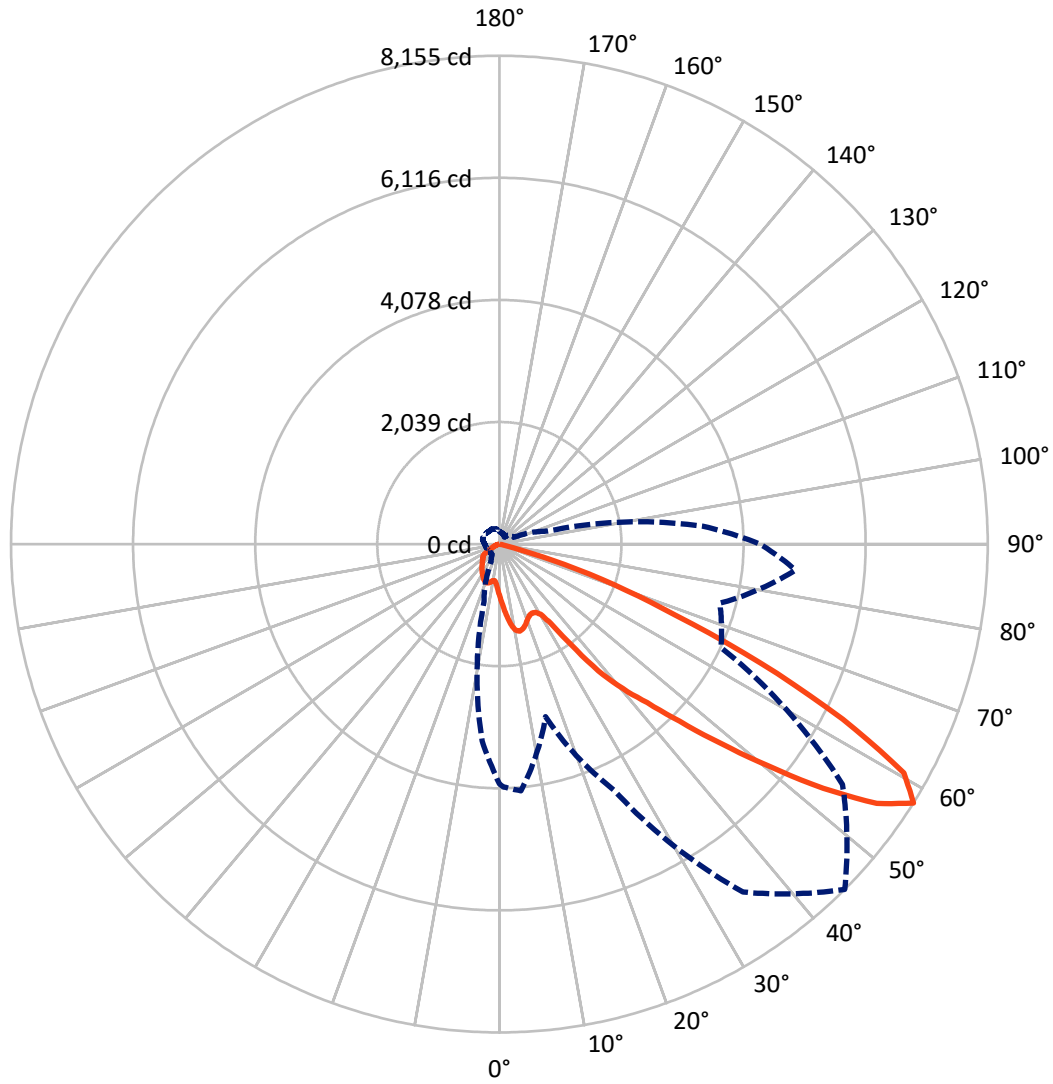
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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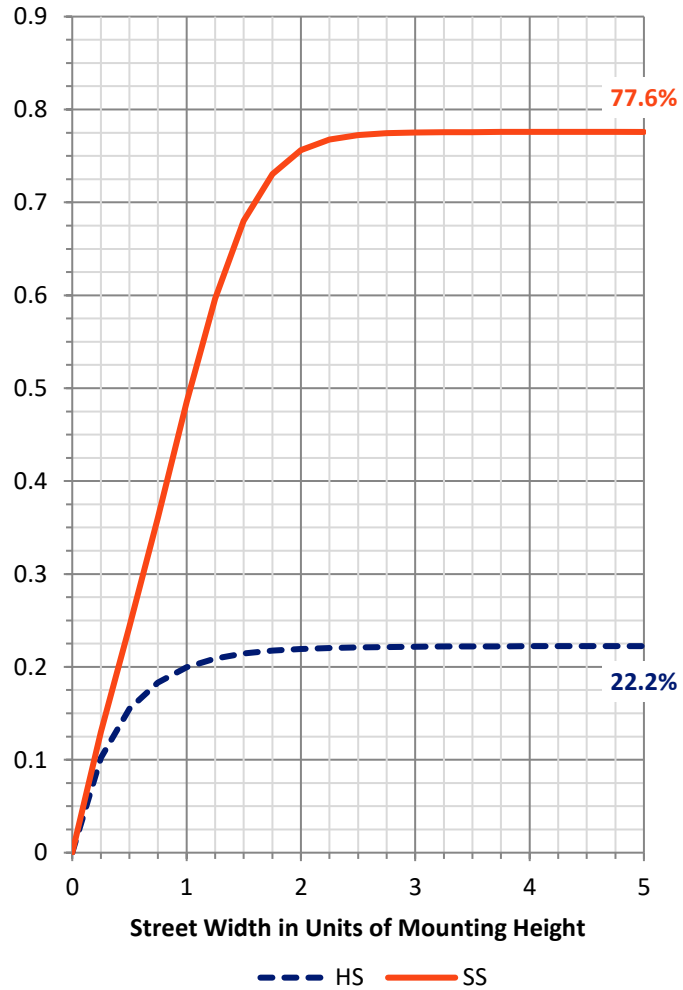
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1105.7	0.0	1105.7
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	3832.0	0.0	3832.0
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	4937.7	0.0	4937.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.4	1.7
10°-20°	276.2	5.6
20°-30°	448.7	9.1
30°-40°	693.2	14.0
40°-50°	1111.6	22.5
50°-60°	1519.3	30.8
60°-70°	735.8	14.9
70°-80°	67.4	1.4
80°-90°	0.2	0.0
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°	4937.7	100.0
0°-180°	4937.7	100.0

**Coefficient of Utilization**



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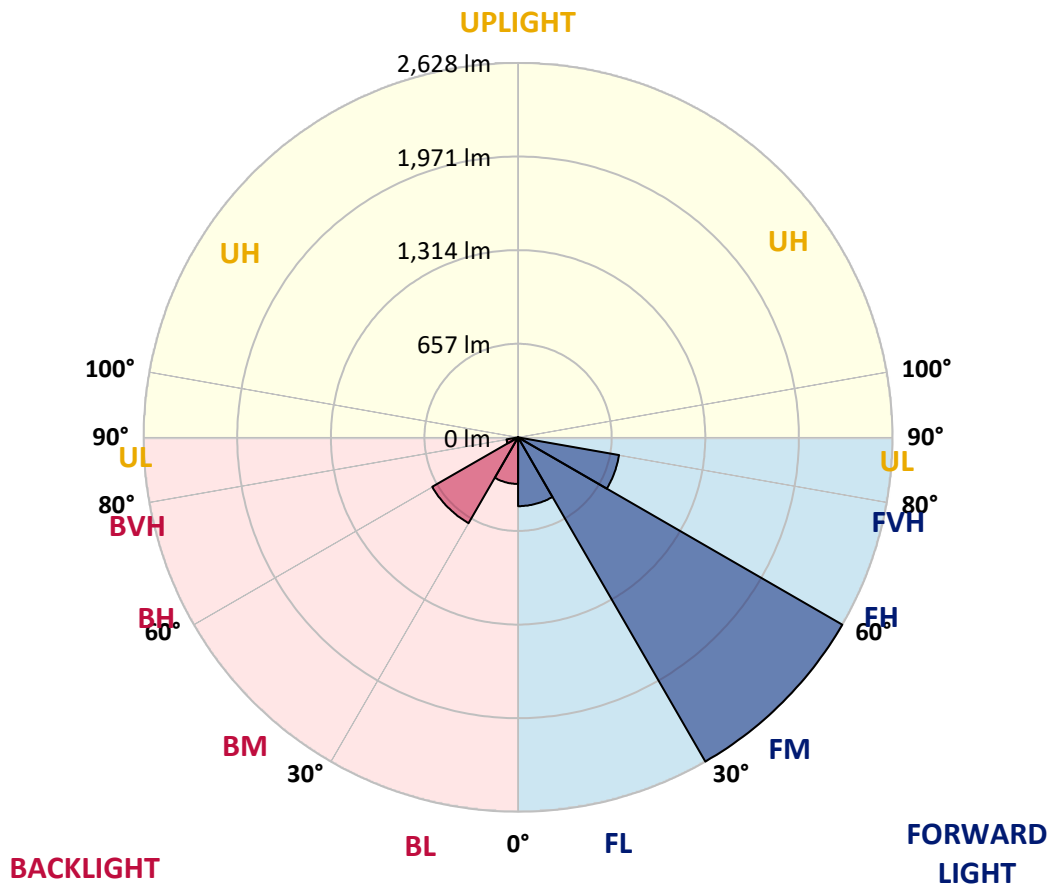
CATALOG NUMBER: GWS-SA2C-740-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.1	9.8			
FM (30°-60°)	2628.5	53.2			
FH (60°-80°)	720.3	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	327.2	6.6	B1/500		
BM (30°-60°)	695.6	14.1	B1/1000		
BH (60°-80°)	82.9	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9
2.5°	940.2	946.1	956.1	977.3	995.2	1007.2	1012.5	1011.2	1003.9	998.6	987.9
5°	1041.0	1041.0	1060.3	1108.7	1145.9	1169.1	1181.0	1173.7	1159.1	1135.9	1100.1
7.5°	1129.3	1132.6	1165.1	1234.1	1290.5	1323.7	1342.9	1338.9	1313.1	1268.6	1196.9
10°	1198.3	1202.3	1245.4	1329.6	1396.0	1429.8	1458.4	1461.0	1432.5	1373.4	1291.2
12.5°	1265.3	1269.3	1314.4	1395.3	1453.7	1467.7	1492.9	1502.8	1495.5	1453.7	1368.1
15°	1337.6	1346.9	1385.4	1445.8	1470.3	1453.7	1470.3	1488.2	1512.8	1508.8	1431.8
17.5°	1408.6	1415.2	1454.4	1475.6	1448.4	1405.3	1413.2	1434.5	1490.2	1544.6	1494.9
20°	1474.3	1483.6	1516.1	1488.2	1405.9	1338.9	1339.6	1367.5	1452.4	1566.5	1559.2
22.5°	1543.3	1557.2	1580.4	1502.2	1366.8	1286.5	1289.8	1315.1	1422.5	1587.1	1632.2
25°	1633.5	1646.8	1662.1	1536.7	1354.2	1260.6	1273.3	1296.5	1422.5	1622.2	1722.4
27.5°	1755.6	1764.9	1765.6	1601.0	1376.1	1264.6	1291.2	1317.7	1465.0	1692.6	1843.2
30°	1908.9	1923.5	1904.2	1701.2	1444.4	1317.7	1356.9	1390.0	1556.6	1811.3	2021.0
32.5°	2095.3	2115.9	2090.0	1849.8	1587.1	1500.8	1571.8	1591.1	1702.5	1983.2	2222.7
35°	2314.3	2331.5	2303.7	2055.5	1920.2	1936.1	2064.8	2040.3	1995.8	2194.8	2458.3
37.5°	2554.5	2570.4	2516.6	2367.4	2412.5	2481.5	2687.2	2602.9	2459.6	2467.5	2713.7
40°	2774.7	2792.0	2707.7	2706.4	2799.3	2925.4	3173.5	3057.4	2862.3	2824.5	2953.2
42.5°	3003.0	3014.9	2938.6	2886.9	3097.9	3357.3	3620.0	3463.5	3129.1	3087.9	3253.1
45°	3328.8	3354.0	3218.0	2975.8	3366.6	3854.3	4220.5	3914.6	3310.8	3277.7	3712.3
47.5°	3807.8	3826.4	3549.0	3031.5	3616.7	4473.3	4970.9	4499.8	3470.8	3395.1	4339.9
50°	4203.9	4216.5	3853.6	3092.6	3882.8	5140.8	5826.2	5193.9	3650.6	3589.5	4925.8
52.5°	4495.9	4543.6	4253.7	3218.0	4232.4	5925.7	6773.0	6015.9	3931.2	3965.1	5411.5
55°	4556.2	4621.3	4527.0	3294.9	4540.3	6725.2	7647.5	6751.7	4211.2	4249.7	5574.7
57.5°	4004.2	4056.0	4134.2	2984.4	4533.0	7091.5	8155.0	6995.9	4083.8	3811.1	4963.6
60°	2999.7	3035.5	3177.5	2281.1	4168.8	6767.7	7759.6	6580.6	3570.9	2908.1	3781.9
62.5°	1778.8	1794.8	1974.6	1477.6	3460.1	5828.2	6435.3	5678.2	2821.9	1956.0	2316.3
65°	682.7	676.1	813.4	729.2	2544.5	4642.5	4786.5	4328.7	1936.1	896.4	883.1
67.5°	105.5	100.9	136.0	215.6	1835.2	3217.3	3158.2	3119.8	1212.9	209.0	182.5
70°	23.9	23.9	29.2	63.7	1121.3	1890.3	2023.0	1928.8	776.3	44.5	23.9
72.5°	11.3	11.3	13.9	27.2	406.1	778.9	907.7	893.7	252.1	14.6	8.6
75°	4.0	4.6	4.6	6.0	24.5	40.5	92.9	66.3	15.9	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9
2.5°	964.7	960.1	942.8	919.6	897.0	877.1	856.6	832.0	814.1	793.5	786.9
5°	1072.2	1043.0	995.9	946.8	901.7	863.2	826.1	786.2	757.0	727.9	717.9
7.5°	1163.1	1120.0	1043.7	970.0	908.3	853.9	800.2	745.8	703.3	668.8	658.2
10°	1244.7	1195.0	1092.8	1001.9	924.3	861.2	796.2	727.9	672.8	631.6	621.7
12.5°	1315.1	1257.3	1134.6	1025.8	930.9	858.6	795.5	741.1	691.4	644.3	631.6
15°	1374.1	1310.4	1169.7	1041.7	920.9	825.4	770.3	761.7	757.7	706.0	681.4
17.5°	1431.8	1360.2	1198.3	1049.0	893.1	767.0	727.2	766.3	808.1	774.3	743.1
20°	1492.2	1410.6	1227.5	1050.3	846.6	701.3	694.7	756.4	809.5	798.9	769.7
22.5°	1563.2	1473.6	1264.0	1049.7	788.2	645.6	670.8	737.1	780.3	779.6	756.4
25°	1666.0	1553.2	1313.1	1053.6	724.5	602.5	644.3	704.6	739.8	738.5	719.2
27.5°	1776.2	1648.1	1376.8	1063.6	670.1	577.2	613.1	660.2	690.7	689.4	672.8
30°	1930.8	1757.6	1437.8	1064.2	631.0	564.0	578.6	611.1	640.3	637.0	624.4
32.5°	2118.5	1881.0	1488.9	1026.4	606.4	551.4	542.7	559.3	581.9	577.2	573.9
35°	2345.5	2027.6	1532.7	943.5	568.6	526.2	502.9	506.2	522.2	524.8	523.5
37.5°	2604.2	2202.1	1587.1	834.0	517.5	489.7	458.5	455.8	465.1	473.7	480.4
40°	2859.7	2398.5	1660.7	723.2	471.1	443.2	413.4	406.7	410.7	426.0	439.9
42.5°	3147.0	2626.1	1740.4	628.3	439.2	392.1	363.6	351.0	362.3	386.8	403.4
45°	3561.0	2945.3	1818.0	552.7	426.0	347.0	308.5	307.2	319.8	351.7	370.2
47.5°	4142.2	3358.0	1869.1	493.6	425.3	311.8	266.1	274.0	288.6	319.8	341.0
50°	4708.8	3874.8	1812.7	448.5	411.4	288.6	234.2	250.1	264.7	291.9	313.8
52.5°	5050.5	4152.8	1593.1	406.1	368.2	278.0	203.0	230.9	233.6	258.1	281.3
55°	5014.7	3973.0	1220.2	340.4	304.5	262.7	170.5	208.3	209.7	228.2	248.1
57.5°	4352.5	3411.0	838.0	276.0	228.9	217.0	140.7	175.8	188.4	199.7	214.3
60°	3243.8	2488.8	373.5	224.3	145.3	146.6	120.1	132.7	151.9	165.2	177.8
62.5°	1911.5	1431.8	151.9	134.7	80.3	92.2	96.9	96.9	108.8	118.8	126.7
65°	722.5	500.9	61.7	67.7	41.8	43.1	57.1	70.3	79.6	88.2	98.9
67.5°	126.7	87.6	31.8	25.2	24.5	21.9	29.2	45.8	51.1	57.7	62.4
70°	21.2	17.9	13.3	12.6	11.3	11.9	19.2	32.5	35.8	37.8	39.8
72.5°	6.0	5.3	4.0	3.3	2.7	3.3	11.9	25.2	26.5	27.9	29.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	17.9	19.2	19.9	21.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.3	6.6	5.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9
2.5°	782.9	769.7	762.4	758.4	758.4	753.1	747.1	745.1	753.7	753.7	768.3
5°	705.3	694.7	682.7	675.4	664.2	666.2	659.5	658.9	667.5	671.5	686.7
7.5°	651.6	638.3	631.0	626.3	620.4	617.7	611.7	609.8	614.4	621.0	635.6
10°	615.7	613.7	613.1	616.4	616.4	613.1	607.8	604.4	605.8	618.4	635.0
12.5°	625.0	629.0	630.3	635.6	638.3	635.6	631.6	633.0	641.6	664.8	689.4
15°	665.5	662.2	660.8	663.5	665.5	662.8	661.5	671.5	701.3	734.5	762.4
17.5°	708.6	687.4	678.1	678.1	679.4	678.1	679.4	698.7	747.1	780.3	800.8
20°	730.5	691.4	676.8	673.4	676.1	676.8	681.4	703.3	756.4	779.6	784.3
22.5°	723.9	674.8	658.2	655.5	658.2	660.8	665.5	684.1	733.8	745.8	743.8
25°	690.7	642.3	629.0	629.0	635.0	634.3	636.3	649.6	690.7	698.0	694.7
27.5°	648.9	603.1	591.8	598.5	603.8	602.5	603.1	614.4	644.9	646.9	643.6
30°	606.4	566.6	556.0	564.0	571.3	569.9	570.6	581.9	601.1	599.1	594.5
32.5°	563.3	534.1	526.2	530.8	542.1	540.7	543.4	555.3	562.6	554.0	548.7
35°	523.5	508.2	502.3	504.9	513.5	515.5	520.2	528.1	528.1	517.5	508.2
37.5°	486.3	484.4	480.4	477.1	485.0	491.0	497.6	506.9	493.6	478.4	469.8
40°	451.8	460.5	455.2	446.5	451.2	459.8	473.1	480.4	464.4	449.2	434.6
42.5°	420.0	434.6	432.6	422.0	426.0	433.9	449.2	455.2	436.6	419.3	405.4
45°	389.5	410.0	411.4	398.1	402.1	410.0	428.0	429.9	406.1	387.5	377.5
47.5°	362.9	385.5	386.2	376.2	377.5	388.8	405.4	406.1	378.9	361.6	349.0
50°	337.7	363.6	365.6	357.0	358.3	371.6	385.5	382.8	353.6	335.7	324.4
52.5°	307.2	342.4	347.0	343.0	348.3	359.0	367.6	358.3	324.4	306.5	296.6
55°	274.0	319.8	329.8	327.1	333.1	341.7	343.7	337.7	295.3	277.3	268.1
57.5°	235.5	263.4	280.7	275.4	280.0	288.6	294.6	289.9	258.1	244.2	236.2
60°	195.1	213.6	217.6	209.0	205.0	220.3	234.2	228.2	201.0	192.4	183.1
62.5°	142.7	163.9	166.5	155.3	150.6	167.2	179.1	173.2	143.3	134.0	126.7
65°	114.1	134.0	139.3	128.7	126.1	138.7	146.0	131.4	110.1	100.2	92.2
67.5°	75.0	90.9	104.8	104.2	98.9	102.8	97.5	85.6	70.3	65.0	59.7
70°	46.4	55.7	64.4	67.7	67.0	65.7	58.4	49.8	45.1	43.1	40.5
72.5°	35.8	45.1	51.8	53.7	54.4	52.4	46.4	38.5	33.8	31.2	29.2
75°	26.5	33.8	39.1	41.8	43.1	41.8	35.8	30.5	25.9	23.9	21.9
77.5°	9.3	11.3	13.9	15.3	14.6	13.9	12.6	12.6	10.0	9.3	8.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9	867.9
2.5°	784.9	796.9	818.8	838.7	859.9	881.8	905.7	930.2	941.5	940.2
5°	709.9	735.8	771.6	810.8	854.6	901.7	954.1	1007.9	1031.1	1041.0
7.5°	662.8	699.3	746.4	796.2	853.9	920.9	999.9	1084.2	1118.0	1129.3
10°	668.8	711.3	750.4	798.9	860.6	947.5	1045.7	1145.9	1185.7	1198.3
12.5°	717.2	726.5	737.1	777.0	854.6	967.4	1087.5	1206.9	1252.7	1265.3
15°	761.0	717.9	698.0	734.5	833.4	981.3	1129.9	1272.6	1323.0	1337.6
17.5°	763.0	698.0	653.5	682.1	798.9	987.3	1171.7	1339.6	1394.7	1408.6
20°	738.5	676.1	619.0	619.7	751.7	986.0	1206.2	1400.0	1461.7	1474.3
22.5°	702.6	650.2	591.2	570.6	701.3	983.3	1244.1	1464.3	1531.4	1543.3
25°	662.8	617.1	564.6	533.5	650.9	986.0	1297.1	1548.6	1622.2	1633.5
27.5°	619.7	580.6	544.1	518.9	608.4	995.9	1360.8	1656.1	1743.7	1755.6
30°	574.6	545.4	530.8	515.5	581.9	998.6	1429.8	1781.5	1892.3	1908.9
32.5°	530.1	514.2	514.9	517.5	556.7	980.0	1492.9	1920.8	2068.8	2095.3
35°	489.0	484.4	497.6	510.9	520.2	932.2	1547.9	2085.4	2287.1	2314.3
37.5°	453.8	457.8	474.4	487.7	480.4	864.5	1620.9	2291.1	2531.2	2554.5
40°	420.0	429.9	449.2	455.2	449.9	785.6	1708.5	2489.4	2742.9	2774.7
42.5°	388.8	396.1	423.3	424.6	441.2	705.3	1792.8	2703.1	2986.4	3003.0
45°	363.6	362.3	390.1	398.8	452.5	616.4	1875.0	2987.7	3304.9	3328.8
47.5°	339.0	337.7	344.4	383.5	457.1	534.1	1956.7	3404.4	3766.7	3807.8
50°	315.8	317.8	297.2	376.2	431.9	471.1	1993.8	3789.9	4186.7	4203.9
52.5°	295.3	288.0	252.1	352.3	378.2	411.4	1888.3	3965.1	4446.8	4495.9
55°	266.1	225.6	207.7	286.0	298.6	359.0	1546.6	3863.5	4469.3	4556.2
57.5°	227.6	177.2	176.5	211.0	211.0	333.1	990.6	3300.9	3851.6	4004.2
60°	175.2	137.3	146.0	146.6	135.4	242.8	556.0	2391.2	2847.7	2999.7
62.5°	124.7	104.8	110.1	87.6	77.6	121.4	266.7	1376.8	1757.6	1778.8
65°	83.6	71.0	57.7	48.4	47.8	51.8	110.1	497.6	605.1	682.7
67.5°	55.1	43.1	30.5	30.5	34.5	34.5	41.8	82.3	115.4	105.5
70°	35.8	29.9	19.2	18.6	22.6	22.6	21.2	22.6	23.9	23.9
72.5°	26.5	22.6	11.3	10.0	12.6	13.3	11.9	11.3	11.3	11.3
75°	19.9	15.9	6.6	4.6	6.0	8.0	6.6	4.6	4.6	4.0
77.5°	8.0	6.0	2.7	2.0	3.3	4.6	4.0	2.0	1.3	1.3
80°	0.7	1.3	1.3	1.3	2.0	2.7	3.3	1.3	0.7	0.7
82.5°	0.0	0.7	0.7	0.7	1.3	2.0	2.7	1.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	1.3	2.0	1.3	0.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	1.3	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)